

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE, 1898.

DAILY WEATHER REPORT.

January to June 1898.



DAILY WEATHER REPORT

for 8 a.m. on

Saturday, 1st January, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.		Rainfall.	
				At 32° and M.S.L.	Dry Bulb.		Dirac.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.					Dirac.	Force (0 to 12.)		Max.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.	
SCANDINAVIA.	Haparanda ...																				
	Hernösand ...																				
	Stockholm ...																				
	Wisby ...																				
	Karlstad ...																				
	Bodö ...	29.25	39	E	2	b	29.23	+12	37	33	-3	E	4	bc	1	b	#	40	36	-	
	Christiansund ...	29.11	42	ESE	3	b	29.12	+01	42	39	+1	Z	0	c	3	b	#	43	39	-	
	Skudesnaes ...	29.13	45	SE	9	0	29.32	+13	45	44	0	SSW	7	bc	6	rf.0	#	45	39	#	
	Færder (Christiania Fjord)	29.43	42	S	4	r	29.50	+07	42	41	0	S	5	0	4	r	#	43	41	0.04	
	Skagen (The Scaw)	29.50	42	SSW	4	0	29.56	+08	41	41	-1	SSW	4	0	1	0	#	43	41	0.04	
Fanø ...	29.49	42	SSW	3	0	29.55	+10	39	38	-3	SSW	2	b	#	0	#	43	39	-		
BRITISH ISLANDS.	Sumburgh Head	28.69	43	SW	2	r	29.10	+41	43	43	-2	HW	2	0	5	0.7	#	46	40	0.15	
	Stornoway ...	28.83	42	HW	4	r	29.25	+69	39	38	-5	HW	4	c	4	0.7	0.0	44	37	0.17	
	Wick ...	28.80	43	SW	2	bc	29.22	+59	39	39	-5	S	1	op	0	bc	#	45	35	0.03	
	Nairn ...	28.85	43	W	2	c	29.24	+57	39	38	-3	W	1	c	1	c	#	46	36	-	
	Aberdeen ...	28.91	43	SSW	3	bc	29.27	+49	39	38	-5	W	2	og	3	cp.bc	1.0	44	35	0.01	
	Leith ...	28.94	43	WSW	3	0	29.28	+50	39	37	-3	WSW	1	0	#	0	#	46	34	0.01	
	Shields ...	29.06	44	SW	3	c	29.31	+37	39	39	-5	SW	1	bc	2	p.c	#	49	38	-	
	Spurn Head ...	29.17	43	S	4	b	29.36	+25	38	38	-6	SSW	1	f	3	bc.bw	#	47	38	-	
	York ...	29.11	44	S	2	b	29.37	+32	36	35	-7	S	1	c	#	b.bj	2.5	49	35	-	
	Loughborough ...	29.18	43	SSW	3	b	29.35	+19	36	35	-7	ESE	1	ogw	#	b.b.c.m	#	49	35	-	
GERMANY & HOLLAND.	Ardrossan ...	28.94	46	S	3	c	29.25	+45	45	45	0	Z	0	om	2	c	#	47	44	0.03	
	Malin Head ...	28.92	45	WSW	3	b	29.28	+51	44	43	0	HE	4	c	3	b	#	45	39	0.04	
	Belmullet ...	29.07	41	HW	2	b	29.31	+60	37	37	-3	ENE	2	0	#	b	#	46	35	0.05	
	Donaghadee ...	28.98	41	HW	3	bc	29.29	+63	35	35	-6	W	3	b	1	bc	#	46	33	-	
	Liverpool (Bidston)	29.06	45	SSW	4	c	29.34	+30	40	38	-5	E	1	0	#	c.p	#	49	39	0.15	
	Holyhead ...	28.95	47	SW	6	r.g	29.31	+34	41	40	-7	S	1	cm	1	cp.r.g	#	50	40	0.16	
	Parsonstown ...	29.06	40	Z	0	b	29.32	+45	30	30	-14	Z	0	bc	#	0.6	0.9	46	30	-	
	Valencia ...	29.10	45	Z	0	c	29.29	+41	38	37	-10	ENE	1	cm	4	cp.c	2.9	50	35	0.05	
	Roche's Point ...	29.10	45	W	3	b	29.28	+35	39	37	-9	W	1	c	4	b	#	49	37	0.05	
	Pembroke (St. Ann's Hd.)	29.12	47	W	5	bc	29.31	+24	42	42	-8	ESE	3	ogm	4	0.6c	0.0	50	42	0.03	
FRANCE & BELGIUM.	Scilly ...	29.15	49	SSW	3	b	29.27	+08	47	46	-1	ENE	1	r	5	cp.b	4.3	52	45	0.17	
	Prawle Point ...	29.23	47	SW	3	c	29.28	+01	46	44	-3	ESE	3	r	3	cp.r	#	51	44	0.30	
	Jersey (St. Aubin's)	29.31	49	S	4	b	29.22	-18	44	44	-5	E	5	o.r.m	4	b.r	#	53	44	0.18	
	Hurst Castle ...	29.28	41	SW	3	p	29.29	+01	49	45	-2	ENE	2	om	2	cp	#	51	44	0.32	
	Dungeness ...	29.35	49	SSW	6	c	29.35	+02	44	43	-4	S	4	0	3	c	#	50	44	-	
	North Foreland	29.37	47	S	4	cp	29.37	+02	43	41	-2	SE	3	cp	3	ep	#	50	42	0.01	
	London (Brixton) ...	29.30	44	S	2	bm	29.34	+04	42	41	-3	ESE	2	bc	#	bc.rhp.b	0.5	49	41	0.06	
	Oxford ...	29.27	43	S	3	b	29.35	+12	39	39	-2	ESE	1	of	#	bc.rh.b	#	50	38	0.09	
	Cambridge ...	29.28	43	S	4	op	29.39	+14	40	40	-5	ESE	1	f	#	bc.op	2.2	50	36	0.01	
	Yarmouth ...	29.30	44	SSW	4	bc	29.39	+11	43	42	-2	SSW	3	e	4	b.b.c	#	48	41	0.01	
PENIN- SULA.	Cuxhaven ...	29.55	45	SSW	2	0	29.59	+08	37	37	-5	SSW	2	bc	#	0	#	46	37	-	
	Berlin ...	29.73	31	SE	2	c	29.73	-05	29	28	+3	ESE	2	b	#	c	#	34	28	-	
	Wiesbaden ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
	Munich ...	29.73	27	SW	2	b	29.60	-16	36	33	+16	SE	4	b	#	b	#	39	21	-	
	The Helder ...	29.44	43	SSW	3	b	29.48	-07	38	37	-5	SSW	1	b	1	b	#	46	37	-	
	Brussels ...	#	#	#	#	#	29.47	-04	40	38	-3	ESE	3	0	#	b	#	48	37	-	
	Cape Gris Nez ...	29.38	45	SSW	4	b	29.34	-03	39	37	-5	ESE	2	0	2	b	#	54	37	-	
	Paris ...	29.51	45	SSW	2	b	29.34	-24	43	39	-0	SE	3	0	#	b	#	49	35	-	
	Brest ...	29.19	51	SSW	3	0	29.19	-16	45	43	-5	SE	3	r	4	0	#	52	37	0.24	
	Lorient ...																				
GERMANY & HOLLAND.	Rochefort ...	29.35	48	SW	5	0	29.03	-59	47	44	+3	SE	6	0	#	c.0	#	54	45	0.24	
	Belfort ...	29.68	41	Z	0	m	29.54	-15	32	32	-10	ENE	4	f	#	m	#	49	31	-	
	Lyons ...	29.71	40	Z	1	c	29.36	-35	48	41	+16	S	4	c	#	c	#	50	39	0.08	
	Nice ...	29.82	43	E	5	r	29.71	-17	45	42	-0	E	6	0	4	r	#	48	40	0.75	
	Pempignan ...	29.63	49	SSW	2	c	29.27	-53	45	43	-14	SW	2	0	#	c	#	50	43	-	
	Biarritz ...	29.34	52	S	6	0	29.20	-54	52	50	+3	W	9	r	8	0	#	57	49	0.35	
	Corunna ...																				
	Lisbon ...	29.86	54	WNW	6	c	30.05	+14	51	47	-6	WNW	4	c	#	c	#	61	50	-	
	Azores (P. Delgada)	30.23	57	WNW	1	0	30.12	-02	59	57	+1	SW	4	0	3	0	#	64	54	-	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport...2.6 hrs.

WEATHER CHARTS

FOR *Saturday 1st January, 1898*

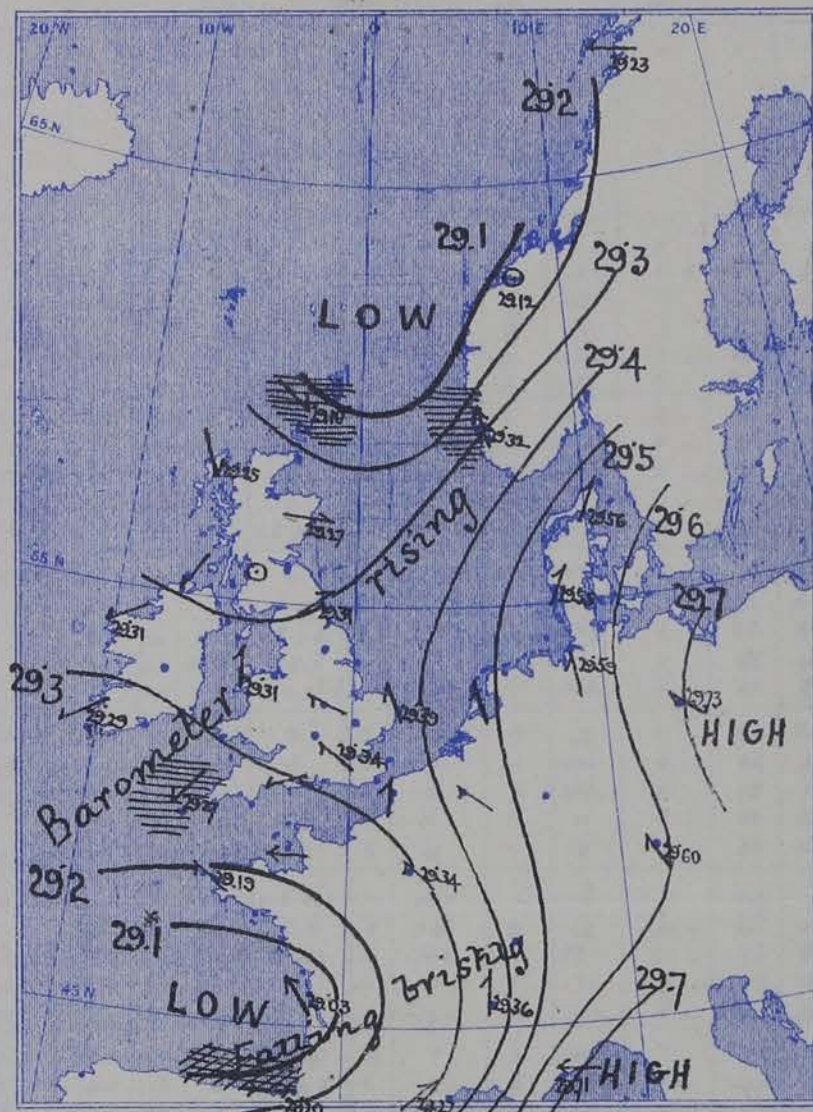
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 → : Force 5 to 7 → : } Calm ☉
Force 8 to 10 → : Force 1 to 4 → : }

SEA—Rough ≡ ; High ≡



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.5.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871—95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	— 4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.932	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3†	8†
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 29.7 ins. and upwards over E.^m Germany and also over the S.E. of France.
 Lowest 29.1 ins. and less in two shallow depressions, - one lying off the W. of Norway, and the other over the Bay of Biscay.
 Gradients slight generally, but moderate over the W. of Norway.
 Barometer falling briskly over the S.^m parts of France, but rising elsewhere.

TEMPERATURE

Highest 52° at Biarritz, 48° at Lyons, 47° at Seilly, Hurst Castle and Rochefort, & 46° at Poulle P.^r.
 Lowest (1) 29° at Berlin, and 32° at Belfast, (2) 30° at Parsonstown, 35° at Donaghadee, & 36° at York & Loughborough.
 During yesterday the thermometer rose to 50° or slightly above it at several of our western and southern stations.

WIND

Light to moderate from the E.^m or S.E.^m over the greater part of England, the Netherlands and the N. of France; light from the N.E.^m on our extreme southwest coasts, strong to a gale from W. at Biarritz.
 Light from W. or S.W. over the northern parts of our islands generally, but N.W.^m in the Shetlands and Hebrides; S.^m on the eastern shores of the North Sea.

WEATHER

Cloudy or dull over W.^m Europe as a whole, with fog over E.^m and central England, and rain over the western parts of the Channel and France.
 Fine at several of the Irish stations, as well as in the Netherlands, Germany & the W. of Norway.
 Showers fell yesterday in many parts of our islands, with hail in London and at Oxford.
 Lunar halos were seen last night at several of our S.^m stations, and a bright Aurora at Aberdeen.

SEA

High at Biarritz, and rather rough at Seilly, as well as at Sumbargh P.^r, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the N. is filling up, while the new disturbance which has appeared suddenly over the Bay of Biscay is inclined to move eastwards over France. Colder weather is probable over our islands, with fog or mist in many places.

FORECASTS

For the 24 hours ending at NOON on 2ND JANUARY 1898

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ² to W ² winds, light, some showers at first, then fair.
1	SCOTLAND EAST	W ² to SW ² winds, light, fair generally, but some fog or mist.
2	ENGLAND N.E.	S ² and SE ² winds, light, fair generally, but some fog or mist, colder.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	E ² winds, light or moderate, cloudy, some mist or fog, showers locally, colder.
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Variable or NE ² airs, fair generally, but some fog or mist, colder.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E ² winds, moderate or fresh, some rain at first then fair.
9	IRELAND NORTH	E ² and NE ² winds, light or moderate, fair generally, colder.
10	IRELAND SOUTH	
WARNINGS		At 7.20 pm yesterday to districts 6, 7 and 9, and at 10.20 am today to districts 5, 8 and 10. Lower Cone

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Direc.						Dry.	Wet.	Direc.			
Skudesnaes ...	29.58	45	43	SSW	9	rf	7	Valencia ...	29.04	48	45	WSW	5	cp	6
Sunburgh Head ...	28.67	45	43	S	4	0	6	Scilly ...	29.17	51	47	SW	4	cp	7
Stornoway ...	28.70	43	43	W	3	0	3	Jersey ...	29.36	53	49	S	5	b	5
Aberdeen ...	28.83	43	41	SW	3	cp	5	Hurst Castle ...	29.29	48	46	SW	4	cp	3
Shields ...	29.00	48	46	SW	3	e	2	Dungeness ...	29.36	49	47	SW	6	c	5
Ardrossan ...	28.90	46	46	S	4	c	3	North Foreland	29.38	48	46	S	5	c	3
Malin Head ...	28.86	45	44	SSW	2	b	2	London (Westminster)	29.30	47	45	SW	3	cp	#
Belmullet ...	28.99	46	43	WNW	2	b	#	Yarmouth ...	29.29	48	45	SSW	4	b	4
Holyhead ...	28.99	48	47	SSW	5	cp	5	Rochefort ...	29.57	52	48	WSW	4	c	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Continental information not yet received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 2nd January, 1898.

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STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.			
				At 32° and M.S.L.	Dry Bulb.		Dir.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.					Dir.	Force (0 to 12.)	Max.	Min.
SCANDINAVIA.	Haparanda ...	Ins.	°	S	2	0	Ins.	Ins.	°	°	°	SW	2	0	#	0	#	°	°	Ins.	
	Hernösand ...	29.54	34	S	4	6	29.62	+ .14	33	33	0	S	2	0	#	0	#	34	30	0.04	
	Stockholm ...	29.63	36	S	4	6	29.76	+ .21	37	35	1	S	2	0	#	6	#	37	32	-	
	Wisby ...	29.88	34	Z	0	f	29.97	+ .26	32	32	5	Z	0	0	#	f	#	41	32	-	
	Karlstad ...	29.87	36	SSW	4	0	29.97	+ .23	36	35	0	S	4	0	#	0	#	37	32	-	
		29.76	39	S	2	0	29.89	+ .29	38	37	2	SSE	2	0	#	0	#	#	#	-	
	Bodö ...	29.32	39	E	4	c	29.38	+ .15	42	36	5	SW	4	0	2	c	#	?	32	-	
	Christiansund ...	29.37	45	SE	5	c	29.75	+ .63	39	37	3	WSW	5	6	5	c	#	45	39	-	
	Skudesnaes ...	29.52	45	SSE	4	0	29.78	+ .46	43	42	2	Z	0	0	4	0	#	45	39	#	
	Færder (Christiania Fjord)	29.68	42	S	4	c	29.82	+ .34	40	39	2	SSW	2	m	2	c	#	43	41	-	
Skagen (The Scaw)	29.76	41	SSW	2	c	29.84	+ .28	37	37	4	S	2	f	0	c	#	41	37	-		
Fanö ...	29.67	38	ESE	2	c	29.73	+ .18	35	35	4	ESE	4	0	#	c	#	41	36	-		
BRITISH ISLANDS.	Sumburgh Head	29.47	37	N	1	c	29.76	+ .66	36	34	7	N	1	0	3	c	#	44	34	0.01	
	Stornoway ...	29.47	37	NNE	4	6	29.75	+ .50	39	38	0	E	3	0	3	c. 6	2.4	40	35	0.15	
	Wick ...	29.54	40	SE	2	c	29.77	+ .35	41	40	2	E	3	0	3	c	#	41	36	0.03	
	Nairn ...	No observations					29.71	+ .47	42	40	3	ESE	3	6	2	?	#	42	37	0.13	
	Aberdeen ...	29.48	39	E	2	c	29.70	+ .43	39	38	0	NN	2	0	2	c	0.4	42	37	-	
	Leith ...	29.43	40	WSW	2	0	29.67	+ .39	43	41	4	NE	1	r	#	0	#	43	35	0.08	
	Shields ...	29.42	41	SW	1	m	29.59	+ .28	44	44	5	NE	1	0.2p	2	m	#	45	37	0.03	
	Spurn Head ...	29.41	43	ESE	3	c	29.55	+ .19	42	42	4	N	2	r	3	c. 0	#	44	38	0.10	
	York ...	29.40	39	ESE	1	0	29.60	+ .23	42	41	6	N	1	0	#	0	0.0	42	35	-	
	Loughborough ...	29.40	42	NE	2	0	29.58	+ .23	41	41	5	WNW	1	0.0d	#	of. 0.0d	#	42	36	0.02	
GERMANY & HOLLAND.	Ardrossan ...	29.40	41	NNE	1	0.0f	29.66	+ .40	41	41	4	NNE	2	0.0m	1	0.0f	#	45	38	0.02	
	Malin Head ...	29.37	44	NE	3	c	29.62	+ .34	44	44	0	NE	3	0.0g	2	6. c	#	44	40	0.04	
	Belmullet ...	29.37	39	ESE	2	0	29.62	+ .31	40	39	3	E	1	0	#	0	#	41	34	0.02	
	Donaghadee ...	29.40	44	E	3	6.0m	29.59	+ .30	44	44	9	E	5	r	3	6.0m	#	44	35	0.01	
	Liverpool (Bidston)	29.41	41	SE	1	r	29.61	+ .27	42	41	2	Z	0	0	?	f. r	#	49	40	-	
	Holyhead ...	29.36	45	Z	0	0.0m	29.59	+ .28	42	41	1	E	1	0.0m	1	0.0m. 0.0m	#	46	40	0.02	
	Parsonstown ...	29.35	38	Z	0	0	29.59	+ .27	35	35	5	Z	0	0.0m	#	0.0m. 6	0.8	40	30	0.22	
	Valencia ...	29.39	42	ENE	1	r	29.53	+ .24	36	35	2	NE	2	6	4	rgm	0.0	44	35	0.73	
	Roche's Point ...	29.32	44	ESE	2	2	29.52	+ .24	43	43	4	E	2	c	4	r	#	47	39	0.28	
	Pembroke (St. Ann's Hd.)	29.34	43	ESE	2	0	29.59	+ .28	43	42	1	SE	2	c	4	0	0.2	45	40	0.05	
FRANCE & BELGIUM.	Scilly ...	29.33	48	WSW	3	c	29.47	+ .20	50	48	3	SE	5	0	4	0.0p	0.2	50	46	0.14	
	Prawle Point ...	29.34	44	NNE	2	0	29.62	+ .34	46	43	0	SE	2	c	2	0	#	46	41	0.33	
	Jersey (St. Aubin's)	29.28	45	ENE	2	r	29.69	+ .47	47	45	3	SW	3	6	3	0.0m	#	47	43	0.35	
	Hurst Castle ...	29.52	44	NE	2	r.0m	29.65	+ .36	40	39	7	WNW	1	6.0m	2	0.0m	#	47	39	0.21	
	Dungeness ...	29.35	47	SE	3	c	29.62	+ .27	44	44	0	WSW	4	0.0p	3	c	#	47	43	0.04	
	North Foreland	29.35	46	ESE	3	c	29.55	+ .18	44	43	1	WSW	4	m	3	c	#	47	42	0.07	
	London (Exington) ...	29.35	43	ESE	3	0.0m	29.61	+ .27	42	41	0	W	2	0.0m	#	gm. 0.0m. r	0.0	44	41	0.10	
	Oxford ...	29.39	41	NNE	1	0	29.63	+ .28	41	41	2	WSW	1	0.0d	#	0	#	43	39	-	
	Cambridge ...	29.39	42	E	1	0	29.59	+ .20	42	42	2	W	1	0.0d	#	0.0m	0.0	45	38	0.12	
	Yarmouth ...	29.38	43	ENE	3	6	29.52	+ .13	44	43	1	ESE	1	f	4	6	#	44	42	0.08	
PENIN- SULA.	Cuxhaven ...	29.63	36	ESE	4	6	29.68	+ .09	31	31	6	SSE	2	6	#	6	#	41	30	-	
	Berlin ...	29.71	32	ESE	2	6	29.77	+ .04	32	31	3	SE	1	6	#	6	#	37	29	-	
	Wiesbaden ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
	Munich ...	29.64	39	SE	2	c	29.85	+ .25	31	29	5	E	2	0	#	c	#	52	29	-	
	The Helder ...	29.50	41	SE	1	0	29.54	+ .06	42	41	4	SSE	1	0	1	0	#	43	37	-	
	Brussels ...	#	#	#	#	#	29.64	+ .17	45	43	5	SSW	5	r	#	r	#	50	40	-	
	Cape Gris Nez ...	29.34	45	ESE	2	0	29.58	+ .24	47	45	8	W	5	f	5	0	#	47	39	0.12	
	Paris ...	29.32	48	ESE	3	r	29.72	+ .38	44	43	1	SSW	3	0	#	r	#	52	39	-	
	Brest ...	?	48	?	3	0	29.55	+ .36	50	48	5	SE	3	c	3	0	#	50	39	0.35	
	Lorient ...	29.38	44	WNW	5	r	29.67	#	49	49	#	SSE	3	6	5	r	#	54	43	0.04	
PENIN- SULA.	Rochefort ...	29.46	50	NW	6	0	29.75	+ .72	44	43	3	S	3	6	#	0	#	50	41	0.28	
	Belfort ...	29.63	32	SW	2	6	29.86	+ .32	41	39	9	SSW	1	0	#	6	#	41	30	-	
	Lyons ...	29.55	48	S	4	0	29.88	+ .52	43	43	5	N	1	0	#	0	#	53	42	0.08	
	Nice ...	29.66	46	E	6	r	29.82	+ .11	45	42	0	W	2	c	4	r	#	48	43	0.24	
	Perpignan ...	29.65	53	NW	3	0	29.92	+ .65	41	38	4	SW	2	6	#	0	#	55	41	-	
	Biarritz ...	29.63	53	W	9	r	29.79	+ .59	48	47	4	SSE	3	6	5	r	#	59	45	0.04	
PENIN- SULA.	Corunna ...	30.03	56	S	8	6	29.65	+ .03	51	48	1	SW	4	f	5	6	#	61	45	1.63	
	Lisbon ...	29.97	53	SW	3	r	29.59	- .46	55	53	4	SSE	6	r	#	r	#	57	51	0.08	
	Azores (P. Delgada)	30.08	55	NNW	5	6	30.21	+ .09	60	59	1	NNW	5	6	4	6	#	63	52	-	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport. 0.0 hrs;

WEATHER CHARTS

FOR SUNDAY, 2nd JANUARY, 1898

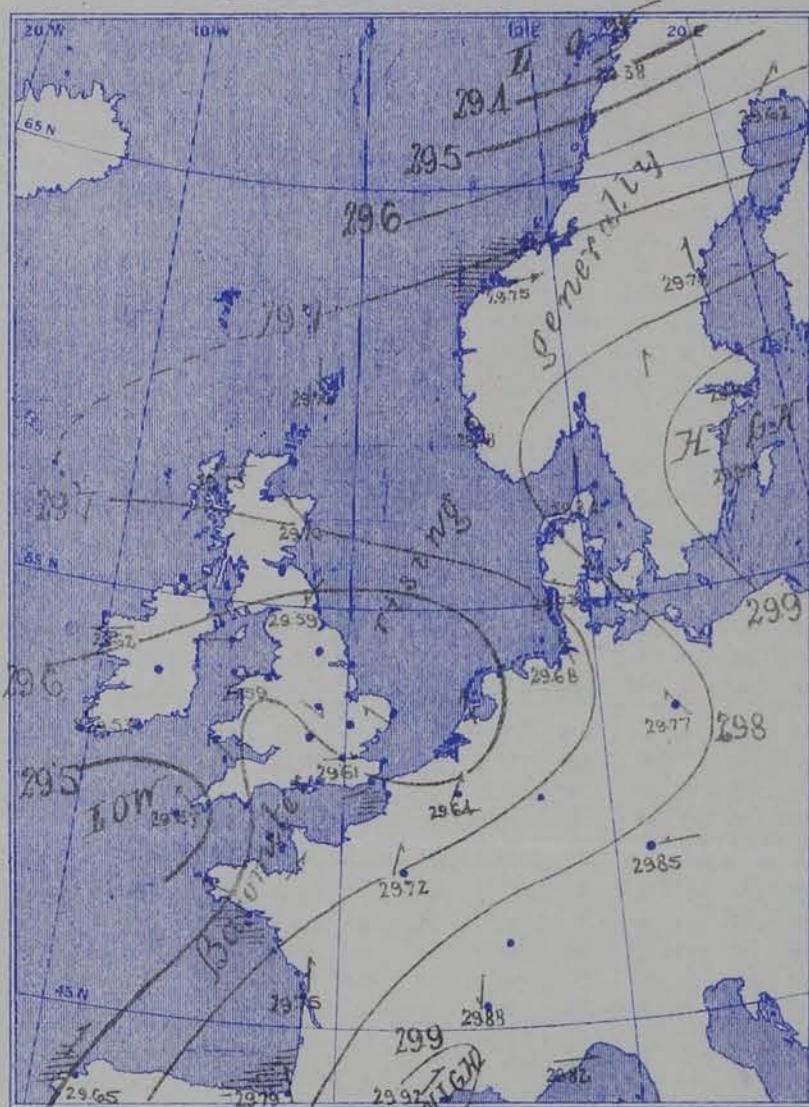
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ ; Force 5 to 7 →→→ ; } Calm ☉
Force 8 to 10 →→→ ; Force 1 to 4 →→→ ; }

SEA—Rough ≡≡≡ ; High ≡≡≡

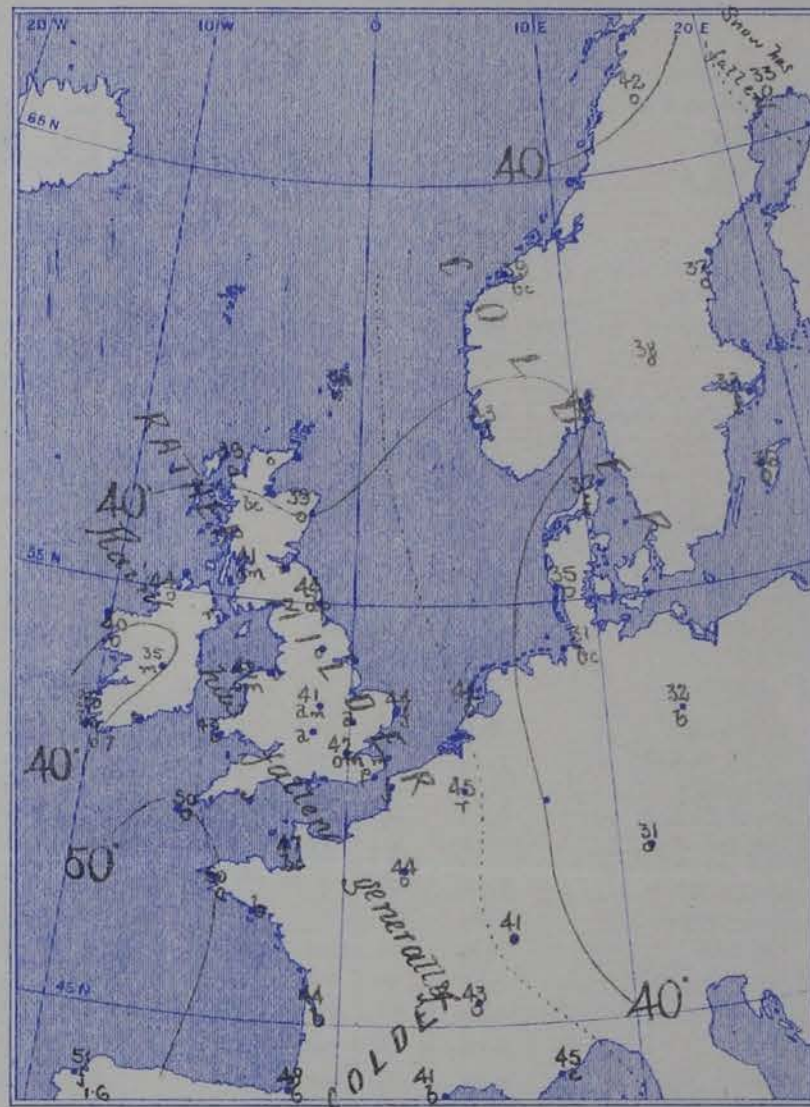


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	— 4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3†	8†
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.9 in. and upwards, over the south of Sweden and also in the neighbourhood of the Eastern Pyrenees.
 Lowest, 29.4 in. and less, in a depression off the northwest of Norway, 29.5 in. and less, in another disturbance off the southwest of our Islands, as well as in a very shallow system off the east of England.
 Gradients slight generally, but moderate over the northern parts of Scandinavia.
 Barometer rising generally, but falling in the western parts of the Spanish Peninsula, - quickly at Lisbon.

TEMPERATURE

Highest, 55° at Lisbon, 51° at Girona, 50° at Seilly and Brest, and 48° at Biarritz.
 Lowest, (1) 3° at Copenhagen and Munich, 32° at Stockholm and Berlin, and 33° at Haparanda; (2) 35° at Paris.
 The maxima recorded yesterday were below 45° at nearly all our more northern and eastern stations, and below 50° except at Seilly.
 Frost occurred over Central Ireland at night.

WIND

Strong breeze off Biscay, the Spanish Peninsula, and strong in force at Lisbon, light from the S.E. in the southwest of England; E or N.E. over Ireland and the northern parts of Great Britain.
 Light from the S.E. in Denmark and Germany, S in Sweden, S.W. in the west of Norway.

WEATHER

Cloudy or dull in most parts of our Islands, with mist and rain at several of our northern, eastern, and central stations.
 Dull also over Scandinavia, Denmark, and the Netherlands, with fog at Stockholm and the Texel, and rain at Brussels.
 Fine over the greater part of France and Germany, but foggy at Girona and rainy at Lisbon.
 Rain fell yesterday in most parts of Western Europe, the largest amounts being 1.6 ins. at Girona, and 0.7 in. at Valencia (Ireland).

SEA

Rather rough in the Bay of Biscay and also at Chirkiansund, moderate off our own southwest coast, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 3rd JAN: 1898

DISTRICTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

FORECASTS.

NONE ISSUED.

DISTRICTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

FORECASTS.

NONE ISSUED.

WARNINGS

NONE ISSUED.

Note.—The **South Cone**, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the **North Cone** is hoisted in preference to the South Cone.
 The **North Cone**, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the **South Cone** is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.37	45	44	SSE	8	o	6	Valencia ...	29.27	44	43	SSE	1	rmg	3
Sumburgh Head	29.32	39	38	NNW	2	c	4	Scilly ...	29.30	49	47	SSE	1	c	5
Stornoway ...	29.38	40	39	NNE	4	o	4	Jersey ...	29.23	45	44	ENE	3	ovm	3
Aberdeen ...								Hurst Castle ...	29.28	45	44	NE	3	rm	2
Shields ...	29.39	42	41	SW	2	cm	2	Dungeness ...	29.32	47	45	SSE	3	c	3
Ardrossan ...	29.33	45	45	NNE	1	p	2	North Foreland	29.34	46	44	SE	3	c	3
Malin Head ...	29.32	44	43	NE	3	bc	2	London (Westminster)	29.33	45	43	E	2	gm	#
Belmullet ...	29.34	41	40	ENE	2	o	#	Yarmouth ...	29.37	44	43	ENE	3	bc	4
Holyhead ...	29.34	46	44	NE	1	cm	1	Rochefort ...	29.19	48	47	NN	6	o	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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" Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on *Monday, 3rd January,* 1898.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.		BAROMETER.		TEMPERATURE.			WIND.			Sea (0 to 9.)		Hours of Bright Sun- shine.	TEMP.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			Weather	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.					Force (0 to 12.)	Weather.	Weather.
SCANDINAVIA.		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.	
Haparanda ...																					
Hernösand ...																					
Stockholm ...																					
Wisby ...																					
Karlstad ...																					
Bodö ...		29.65	50	SSW	9	c	30.06	- .68	36	33	- 6	NW	5	0	2	c	#	50	34	0.43	
Christiansund ...		30.08	39	WSW	3	c	30.25	+ .50	34	32	- 5	Z	0	0	4	c	#	39	34	-	
Skudesnaes ...		29.92	43	ESE	3	0	30.05	+ .27	41	41	- 2	Z	0	0	2	0	#	45	39	-	
Færder (Christiania Fjord)		29.98	39	NE	2	0	30.08	+ .24	35	34	- 5	ESE	2	0	1	0	#	41	35	-	
Skagen (The Seaw)		29.99	38	S	1	0	30.05	+ .21	40	39	+ 3	Z	0	0	0	0	#	40	37	0.08	
Fanö ...		29.91	41	ESE	3	0	30.10	+ .37	43	42	+ 8	SW	3	0	0	0	#	43	35	-	
Sumburgh Head		29.95	39	NE	2	0	30.16	+ .40	35	34	- 1	Z	0	0	3	0	#	41	34	-	
Stornoway ...		29.96	40	ESE	2	bc	30.17	+ .42	35	34	- 4	E	2	0	2	0, bc	0.0	41	30	0.02	
Wick ...		29.99	39	E	4	0	30.20	+ .43	34	33	- 7	NW	2	0	3	0	#	42	32	0.05	
Nairn ...		29.97	41	NE	2	0	30.22	+ .51	32	32	- 10	ESE	1	0	2	0	#	43	30	-	
Aberdeen ...		29.90	42	NW	3	ogr	30.20	+ .50	40	39	+ 1	NW	2	0	3	ogr	0.0	43	39	0.05	
Leith ...		29.84	43	E	2	c	30.20	+ .53	39	38	- 4	Z	0	0	#	c	#	44	35	0.01	
Shields ...		29.84	45	N	2	odp	30.19	+ .60	42	42	- 2	NW	1	0	2	odp	#	46	41	0.12	
Spurn Head ...		29.86	43	W	3	0	30.18	+ .63	40	39	- 2	S	2	0	3	0, 0, w	#	44	39	0.02	
York ...		29.86	44	N	1	c	30.21	+ .61	41	41	- 1	E	1	0	#	0	0.0	45	39	0.10	
Loughborough ...		29.89	40	SE	1	0	30.19	+ .61	41	41	0	S	2	0	#	0	0	45	38	-	
Ardrossan ...		29.88	41	Z	0	cf	30.19	+ .53	36	36	- 5	NE	1	0	1	cf	#	43	36	0.02	
Malin Head ...		29.90	43	NE	3	0	30.15	+ .53	40	40	- 4	S	2	0	1	c.0	#	45	39	-	
Belmullet ...		29.86	45	ESE	2	0	30.15	+ .53	38	35	- 2	ESE	1	0	#	c.0	#	45	38	0.01	
Donaghadee ...		29.85	47	E	5	c	30.16	+ .57	45	44	+ 1	E	6	0	4	c	#	47	43	0.02	
Liverpool (Bidston)		29.88	43	SE	1	0	30.14	+ .53	42	42	0	ESE	3	0	#	0	#	45	41	0.29	
Holyhead ...		29.83	44	NE	1	dm	30.10	+ .51	48	47	+ 6	S	1	0	1	dm	#	48	40	0.64	
Parsonstown ...		29.81	37	W	1	bc	30.12	+ .53	42	41	+ 7	Z	0	0	#	f, bc	0.0	43	35	0.02	
Valencia ...		29.76	42	NE	4	c	30.07	+ .54	44	42	+ 8	ESE	4	0	4	0, c	0.0	44	35	-	
Roche's Point ...		29.71	42	NE	4	r	30.09	+ .57	45	45	+ 2	NW	3	0	4	r	#	45	40	0.90	
Pembroke (St. Ann's Hd.)		29.72	43	ESE	5	r	30.11	+ .52	46	45	+ 3	ESE	3	0	3	0, r	0.0	49	43	0.48	
Sailly ...		29.63	53	SSE	6	0	30.02	+ .55	51	49	+ 1	SSE	3	0	3	0	0.0	57	48	0.48	
Prawle Point ...		29.83	50	SE	4	c	30.11	+ .49	48	47	+ 2	ESE	3	0	3	c	#	50	45	-	
Jersey (St. Aubin's)		29.86	49	SE	3	bc	30.13	+ .44	45	43	- 2	SE	3	0	3	bc	#	52	43	0.08	
Hurst Castle ...		29.89	48	ESE	2	bc	30.17	+ .52	47	45	+ 7	ESE	3	0	2	bc	#	48	39	-	
Dungeness ...		29.92	47	SW	1	b	30.27	+ .65	47	45	+ 3	S	2	0	1	b	#	50	44	-	
North Foreland		29.95	43	WSW	2	b	30.28	+ .73	44	43	0	S	2	0	2	b	#	48	42	0.01	
London (Brixton) ...		29.90	38	SW	1	bf	30.23	+ .62	36	35	- 6	Z	0	0	#	bc, b, f	0.0	46	32	-	
Oxford ...		29.98	40	SSE	2	m	30.21	+ .58	36	36	- 5	Z	0	0	#	g, bc, m	0.0	45	36	-	
Cambridge ...		29.94	38	SW	1	b	30.24	+ .65	34	34	- 8	SSW	1	0	#	0, b	0.0	46	32	-	
Yarmouth ...		29.84	44	WSW	3	bc	30.23	+ .71	40	39	- 4	SW	2	0	3	bc	#	45	34	-	
Cuxhaven ...		29.85	41	S	2	c	30.16	+ .48	42	42	+ 11	WSW	3	0	#	c	#	45	31	-	
Berlin ...		30.06	35	S	1	c	30.29	+ .52	35	35	+ 3	Z	0	0	#	c	#	39	32	-	
Wiesbaden ...		#	#	#	#	#	30.36	#	31	30	#	SE	2	0	#	#	#	?	?	-	
Munich ...		30.10	38	W	2	0	30.37	+ .52	35	35	+ 4	W	1	0	#	0	#	45	30	-	
The Helder ...		29.87	45	WSW	2	0	30.25	+ .71	40	40	- 2	SSW	1	0	1	0	#	45	32	-	
Brussels ...		#	#	#	#	#	30.31	+ .70	37	37	- 8	SE	2	0	#	b	#	48	35	-	
Cape Gris Nez ...		29.89	45	WSW	1	bc	30.21	+ .63	43	39	- 4	SSW	2	0	2	bc	#	50	39	-	
Paris ...		30.01	42	SSE	2	b	30.24	+ .52	35	34	- 9	ESE	2	0	#	b	#	50	33	-	
Brest ...		29.73	57	SSE	4	b	30.00	+ .45	45	43	+ 5	ESE	3	0	3	b	#	52	41	-	
Lorient ...		29.85	49	SE	4	c	30.10	+ .43	42	42	- 7	ESE	3	0	5	c	#	52	41	-	
Rochefort ...		29.84	47	SE	3	b	30.00	+ .25	40	38	- 4	ESE	4	0	#	b	#	52	37	-	
Belfort ...		30.05	41	W	1	c	30.31	+ .45	35	34	- 6	E	2	0	#	c	#	46	31	-	
Lyons ...		30.09	41	NW	1	b	30.31	+ .43	34	34	- 9	SE	1	0	#	b	#	50	32	-	
Nice ...		30.03	46	Z	0	c	30.31	+ .49	40	39	- 5	E	4	0	2	c	#	52	39	-	
Perpignan ...		29.97	46	SE	2	b	30.15	+ .23	35	35	- 6	NW	2	0	#	b	#	53	34	-	
Biarritz ...		29.79	52	ESE	3	b	29.91	+ .12	51	41	+ 3	SE	3	0	2	b	#	59	39	-	
Corunna ...																	#				
Lisbon ...		29.63	51	SSW	3	b	29.83	+ .24	50	49	- 5	ESE	4	0	#	b	#	57	48	0.83	
Azores (P. Delgada)		30.37	46	NW	4	bc	30.39	+ .18	55	49	- 5	N	4	0	3	bc	#	57	54	-	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport. 0.0 hrs;

WEATHER CHARTS

FOR Monday, 3rd January, 1898

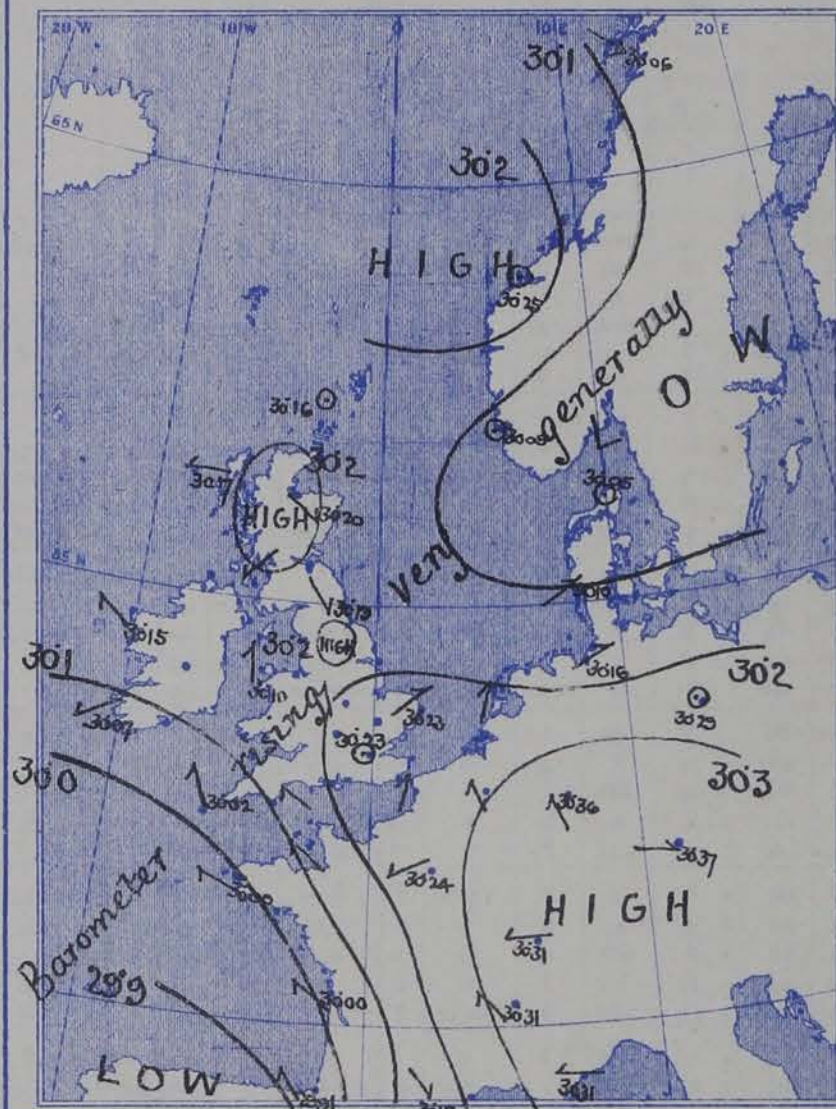
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ ; Force 5 to 7 →→ ; Force 8 to 10 →→→ ; Force 1 to 4 →→ ; Calm ⊙

SEA—Rough ≡≡≡ ; High ≡≡

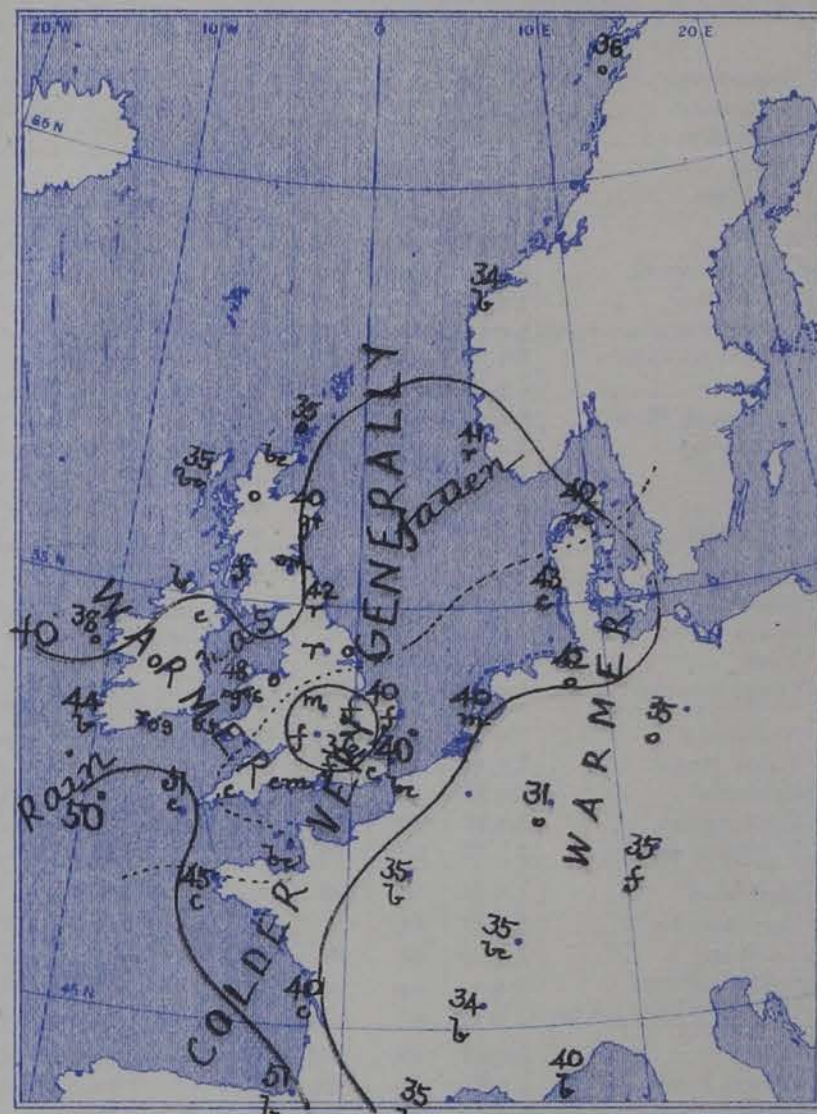


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866-95.	BRIGHT SUNSHINE. Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum	Years.			
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.932	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3	84
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	35.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins: and upwards, over Germany and the east of France.
Lowest, 29.9 ins: and less, in a shallow depression lying over the Spanish Peninsula.
Gradients slight. Barometer rising generally.

TEMPERATURE

Highest, 51° at Selly and Birsley, 50° at Lisbon, 48° at Brouck Point, and 47° at Hunt-Castle and Dungeness.
Lowest, (1) 31° at Wiesbaden and 34° at Lyons; (2) 32° at Nain, and 34° at Wick and Christiansund; (3) 34° at Cambridge, and 36° in London and at Cardiff.
Frost occurred last night in the north of Scotland, as well as in inland parts of our eastern and southern counties.

WIND

Light to moderate from the SE² or E² over France and on our western and south-western coasts.
Light from the S² in the east and southeast of England, but NW¹ on the northern coast of Great Britain.
Calm in the coast of Norway; SW¹ over Denmark and North Germany.

WEATHER

Fair or fine over Western Europe as a whole, but foggy or misty in many parts of Great Britain, and raining at several of our northern stations, as well as at Shetland. Rain is falling at Rochester.
Rain fell yesterday at many of our western and northern stations, the largest amounts being 0.9 in. at Rochester, and 0.6 in. at Holyhead. A solar halo was seen at Hounslow, and lunar halos in many parts of the United Kingdom.

SEA

Moderate off the south of Ireland, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

An anticyclone is steadily forming over nearly the whole of Western Europe. Colder weather is probable, with fog or mist in many parts of our Islands.

FORECASTS

For the 24 hours ending at NOON on 4TH JAN^Y 1898

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Light Variable airs; fair generally.
1	SCOTLAND EAST	Light Variable airs; dull, misty or foggy, slight rain locally, colder.
2	ENGLAND N.E.	
3	ENGLAND EAST	Calms or SE ² airs; foggy or misty in most places, colder.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	



DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Light breezes, chiefly NE ² ; foggy or misty in most places, colder.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E ² and SE ² winds, light; fair generally, but local fogs, colder.
9	IRELAND NORTH	E ² winds, light; fair generally, colder.
10	IRELAND SOUTH	

WARNINGS

NONE ISSUED.

Note.—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes	29.83	44	44	E	2	r	3	Valencia							
Sumburgh Head								Scilly							
Stornoway	29.87	41	39	ESE	2	0	2	Jersey	29.80	50	49	SE	3	bc	3
Aberdeen								Hurst Castle							
Shields								Dungeness	29.79	49	47	WSW	3	b	2
Ardrossan								North Foreland	29.81	48	45	WSW	3	b	2
Malin Head	29.76	45	44	NE	3	c	2	London (Westminster)							#
Belmullet	29.75	43	42	ESE	2	c	#	Yarmouth							
Holyhead								Rochefort	29.78	52	48	S	3	bc	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 26TH DEC. 1897 TO THE 1ST JAN. 1898

During nearly the whole of last week the weather over northwestern Europe was influenced by large cyclonic systems the centres of which moved in a north-north-easterly direction along our own extreme western coast. The prevailing winds were therefore S or SW, and the weather mild and unsettled, with frequent rain in nearly all districts. The three most important depressions observed were those of the 26th, the 29th, and the 30th, each of which occasioned gales in nearly all parts of the Kingdom. In that of the 30th the minimum readings of the barometer were below 28.2 in., the passage of the disturbance along the Irish and Scotch coasts being attended by very strong gales in most places, and by thunder and lightning over the St. George's Channel.

On the 31st the series of depressions in the west had apparently come to an end, the latest system filling up gradually off the Norwegian coast. A shallow disturbance now formed suddenly over the Bay of Biscay, the wind on our southern coasts shifting to the E, but at the close of the week this was also filling up and moving northwards across France, a steady rise of the barometer being in progress over Western Europe generally.

Temperature was on a whole above the average, especially during the earlier half of the week, when maximum readings of 55° or more were registered in many parts of the Kingdom. Early on Dec. 26th, however, a very sharp frost occurred over England, the thermometer in London falling to 23° in the screen, and to 18° on the grass.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 4th January,

1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.				
				At 32° and M.S.L.	Dry Bulb.		Dir.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.				Dir.	Force (0 to 12.)	Max.	Min.	Rainfall.
SCANDINAVIA.		Ins.	°				Ins.	Ins.	°	°	°						°	°	Ins.		
Haparanda ...	30.31	20	2	0	b	30.31	+ .85	2	1	- 25	2	0	b	#	b	#	36	2	-		
Hernösand ...	30.35	23	2	0	b	30.34	+ .34	20	19	- 8	2	0	o	#	b	#	36	20	-		
Stockholm ...	30.21	33	NNE	2	f	30.22	+ .08	33	33	- 2	NE	4	o	#	f	#	36	32	0.08		
Wisby ...	30.20	37	WSW	4	r	30.20	+ .05	36	35	+ 4	NNW	4	o	#	r	#	37	30	0.04		
Karlstad ...	30.27	33	NNE	2	o	30.28	+ .16	29	29	- 3	NNW	2	o	#	o.3	#	#	#	-		
Bodö ...	30.28	31	NE	2	bc	30.08	+ .02	30	27	- 6	E	4	c	1	bc	#	36	28	-		
Christiansund ...	30.26	32	ESE	4	b	29.98	- .27	35	32	+ 1	ESE	6	b	3	b	#	36	32	-		
Skudesnaes ...	30.26	41	2	0	o	30.14	+ .09	42	38	+ 1	SE	8	o	4	o	#	43	37	#		
Færder (Christiania Fjord)	30.27	36	NNE	2	o	30.26	+ .18	34	32	- 1	ESE	2	c	1	o	#	36	34	0.04		
Skagen (The Seaw)	30.25	37	NNE	1	c	30.25	+ .20	36	34	- 4	E	2	o	0	c	#	40	36	-		
Fanö ...	30.27	41	SW	2	r	30.21	+ .11	41	41	- 2	WSW	1	o	#	r	#	45	41	0.24		
Sumburgh Head	30.17	36	2	0	c	29.55	- .61	45	44	+ 10	S	4	o	4	b.c	#	45	34	0.01		
Stornoway ...	30.07	40	SSW	3	bc	29.66	- .51	45	43	+ 10	WSW	4	o	4	bc	2.9	45	34	0.10		
Wick ...	No observations taken					29.73	- .47	45	44	+ 11	SW	4	o	3	?	#	45	32	-		
Nairn ...	30.16	30	2	0	b	29.74	- .48	46	42	+ 14	W	4	o	3	b	#	46	28	-		
Aberdeen ...	30.21	40	NW	1	og	29.85	- .35	43	42	+ 3	SW	2	opg	2	cp.og	0.0	43	39	0.03		
Leith ...	30.21	42	2	0	o	29.91	- .29	47	44	+ 8	WSW	3	o	#	o	#	48	38	-		
Shields ...	30.22	42	2	0	o	30.03	- .16	42	42	0	SW	3	c	2	r	#	43	38	0.38		
Spurn Head ...	30.22	40	S	3	o	30.12	- .06	38	37	- 2	WSW	3	f	3	om	#	43	35	-		
York ...	30.21	43	E	1	om	30.11	- .10	38	37	- 3	S	1	f	#	om	0.0	43	37	0.01		
Loughborough ...	30.23	37	NE	1	f	30.18	- .01	37	37	- 4	SE	1	cm	#	cm.f.m	#	43	31	-		
Ardrossan ...	30.19	40	NE	1	of	29.95	- .24	47	47	+ 11	SSW	5	rm	4	of	#	47	35	0.06		
Malin Head ...	30.12	41	SE	3	cm	29.90	- .25	46	46	+ 6	W	3	r	3	c	#	46	40	0.57		
Belmullet ...	30.10	40	ESE	2	bc	29.99	- .16	46	45	+ 8	WSW	1	om	#	b.bc	#	48	35	0.32		
Donaghadee ...	30.18	45	ESE	4	c	30.01	- .15	45	45	0	SW	4	r	2	c	#	46	43	0.08		
Liverpool (Bidston)	30.20	44	SE	2	o	30.15	+ .01	46	43	+ 4	S	2	o	2	om	#	47	35	-		
Holyhead ...	30.16	47	SSW	1	bc	30.12	+ .02	49	48	+ 1	SW	4	c	3	gnd.bc	#	50	45	0.01		
Parsonstown ...	30.15	45	SE	1	o	30.08	- .04	45	44	+ 3	2	o	o	#	o	0.0	48	41	-		
Valencia ...	30.18	48	2	0	om	30.10	+ .03	50	48	+ 6	S	2	om	3	o. om	0.7	50	42	-		
Roche's Point ...	30.18	49	SSE	1	m	30.16	+ .07	50	49	+ 5	SW	4	om	4	m	#	50	45	0.01		
Pembroke (St. Ann's Hd.)	30.19	46	ESE	3	b	30.20	+ .09	49	48	+ 3	SW	4	o	4	b	5.0	49	44	-		
Seilly ...	30.12	49	SE	2	bc	30.21	+ .19	50	50	- 1	SSW	3	cur	2	c.bc	4.1	53	47	0.03		
Prawle Point ...	30.22	45	ESE	3	bc	30.28	+ .17	47	45	- 1	WSW	3	c	2	bc	#	51	45	-		
Jersey (St. Aubin's)	30.21	47	SE	4	c	30.34	+ .21	42	42	- 3	W	2	bmw	2	c	#	47	41	-		
Hurst Castle ...	30.22	45	E	1	bm	30.25	+ .08	41	40	- 6	E	1	cm	1	bc.bm	#	51	34	-		
Dungeness ...	30.26	47	SE	3	c	30.27	0.00	41	41	- 6	WSW	3	o	2	bc.c	#	49	39	-		
North Foreland	30.28	45	S	2	c	30.25	- .03	40	39	- 4	WSW	4	c	3	c	#	48	38	0.02		
London (Brixton) ...	30.25	42	SE	1	bm	30.25	+ .02	36	35	0	WSW	1	omg	#	bc.m.bf	1.0	47	30	-		
Oxford ...	30.28	35	2	0	b	30.24	+ .03	40	40	+ 4	WSW	2	o	#	c.bf	#	46	31	-		
Cambridge ...	30.26	35	SSW	1	bm	30.23	- .01	38	38	+ 4	SW	2	o	#	bc	0.0	40	31	0.01		
Yarmouth ...	30.26	43	S	2	bc	30.19	- .04	35	34	- 5	WSW	2	f	3	bc	#	45	31	0.01		
Cuxhaven ...	30.35	41	SW	2	m	30.24	+ .08	36	36	- 6	SSE	1	o	#	m	#	45	36	-		
Berlin ...	30.42	39	2	0	o	30.32	+ .03	36	35	+ 1	2	o	o	#	o	#	39	35	-		
Wiesbaden ...	#	#	#	#	#	30.39	+ .03	30	30	- 1	SE	1	o	#	#	#	39	30	-		
Munich ...	30.48	31	2	0	b	30.47	+ .10	28	28	- 7	W	2	o	#	b	#	45	23	-		
The Helder ...	30.31	39	SSE	1	m	30.20	- .05	35	34	- 5	SSE	1	m	1	m	#	45	30	-		
Brussels ...	#	#	#	#	#	30.33	- .01	35	34	- 2	SW	2	b	#	o	#	47	34	-		
Cape Gris Nez ...	30.21	42	SE	1	bc	30.22	+ .01	48	45	+ 5	W	3	o	3	bc	#	48	37	-		
Paris ...	30.30	41	E	1	b	30.37	+ .13	32	32	- 3	SSE	2	bc	#	b	#	49	31	-		
Brest ...	30.17	47	SE	3	b	30.29	+ .29	45	45	0	E	1	m	2	b	#	52	41	-		
Lorient ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	-		
Rochefort ...	30.13	47	SE	3	b	30.30	+ .30	43	42	+ 3	SSE	3	b	#	b	#	50	40	-		
Belfort ...	30.38	40	ENE	4	b	30.53	+ .22	36	34	+ 1	W	1	b	#	b	#	46	30	-		
Lyons ...	30.38	44	S	1	b	30.52	+ .21	35	35	+ 1	N	1	b	#	b	#	49	34	-		
Nice ...	30.43	45	2	0	b	30.51	+ .20	41	37	+ 1	2	o	b	1	b	#	54	39	-		
Perpignan ...	30.30	53	SE	2	c	30.45	+ .30	50	49	+ 15	SE	2	c	#	c	#	60	35	-		
Biarritz ...	30.11	55	E	3	b	30.27	+ .36	51	44	0	SSE	3	b	2	b	#	64	45	-		
Corunna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	-		
Lisbon ...	30.02	52	NE	5	o	30.08	+ .25	52	49	+ 2	NE	6	c	#	o	#	59	50	0.08		
Azores (P. Delgada)	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	-		

For Explanation of Columns, see bottom of last page

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport 0.9 hrs;

WEATHER CHARTS

FOR *Tuesday, 4th January, 1898*

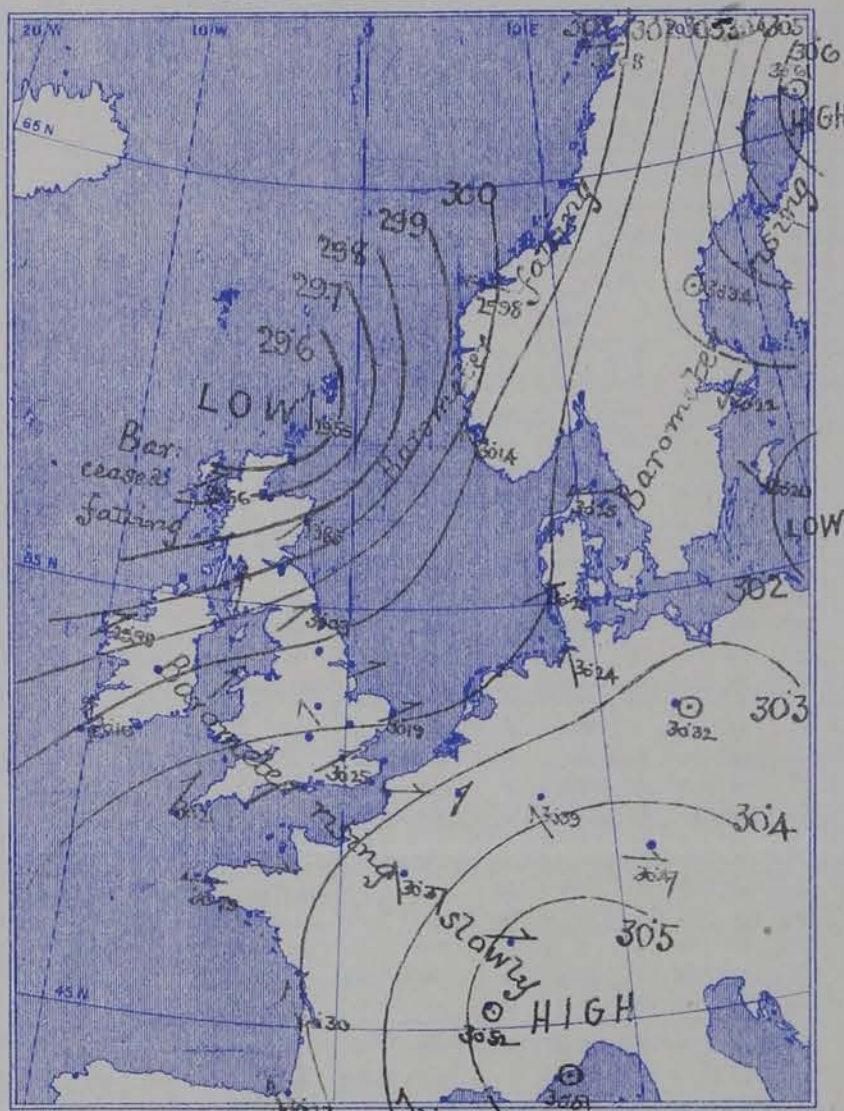
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 \rightarrow ; Force 5 to 7 \rightarrow ; }
Force 8 to 10 \rightarrow ; Force 1 to 4 \rightarrow ; } Calm \odot

SEA—Rough \equiv ; High \equiv



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—{ A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871—95.								RAINFALL Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	— 4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.932	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3†	8†
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest (1) 30.5 ins. and more over the S.E. of France, Switzerland and the N. of Italy; (2) 30.6 ins. and more to 30.5 ins. over the N. part of the Gulf of Bohemia.
 Lowest below 29.6 ins. over the Hebrides and adjacent parts of the Atlantic.
 Gradients steep for S.W. and S. winds over Scotland and the northern parts of the North Sea, slight elsewhere.

TEMPERATURE

Barometer falling fast in Norway, rising slightly at our S. stations.
 Highest 50° in the Scilly Islands and along the S. coast of Ireland, 46° at Malin H. and Narin, 45° at Stromness and Bowness Head.
 Lowest (1) 2° at Haparanda, 20° at Hernösand, 29° at Karlstad; (2) 28° at Munich, 32° at Paris, 36° at Berlin and in London.
 A sharp frost had again occurred on the grass over the inland parts of Gr. Britain last night, but the thermometer was rising quickly again at 8 am.

WIND

Light to calm, and anticyclonic over Germany and France, light S.W. over the Channel and England, moderate to fresh from S.W. or S. on our western and northern coasts, strong from S.E. in the west of Norway.

WEATHER

Fine over the Continent and the English Channel, fair (but foggy) over England, dull over Ireland and Scotland.
 Some rain had fallen at our western and northwestern stations, and a considerable quantity at Shields. Bright Sunshine recorded yesterday exceeded 2 hrs. at most of our Channel stations and amounted to 4 hrs. at Sully, and 5 hrs. at Pembroke.

SEA

Moderate on our S.W. and extreme N. coasts, slight to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the N. is apparently moving N.E. and is not likely to affect our weather much. Other disturbances are likely to appear in the W. shortly, but fine weather is still probable over the E. central, and S. part of England.

FORECASTS

For the 24 hours ending at NOON on 5TH JANUARY. 1898

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

SW winds, strong at times, showery
 SW breezes moderate, mild, slight showers, but as a whole fair.
 Same as No. 5.
 Same as Nos. 1 and 2.
 W. and SW breezes very light, fine on the coasts, hazy to foggy inland.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

WARNINGS

Same as No. 0.
 SW winds, fresh, mild, some rain occasionally.
 None issued.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.19	42	41	Z	0	0	2	Valencia ...	30.10	48	46	Z	0	0	2
Sumburgh Head ...	30.21	40	38	Z	0	6	3	Scilly ...	30.09	52	49	SSE	3	c	3
Stornoway ...	30.13	43	41	WSW	2	6	2	Jersey ...	30.19	47	44	SE	3	bc	3
Aberdeen ...	30.23	41	40	NW	1	4	3	Hurst Castle ...	30.22	50	47	SE	2	bc	2
Shields ...	30.22	43	43	NW	2	2	2	Dungeness ...	30.27	48	46	S	2	bc	2
Ardrossan ...	30.18	40	40	NE	1	0	1	North Foreland ...	30.29	47	45	S	2	c	2
Malin Head ...	30.14	44	44	SE	1	6	1	London (Westminster) ...	30.25	50	47	SW	2	bc	#
Belmullet ...	30.14	46	44	E	1	6	#	Yarmouth ...	30.27	45	44	SSW	2	bc	3
Holyhead ...	30.16	48	47	SSW	2	omgd	1	Rochefort ...	30.08	48	46	SSE	3	bc	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fair and quiet over the greater part of Europe, as well as over Gt. Britain as a whole and the N. of Ireland. Fog or mist prevalent, however, in many places, rain in the N.E. of England, the E. of Scotland and at Skudesnaes. Considerable rain in these latter regions later, as well as in the N. of Ireland and the Hebrides. Heavy dew in the S.E. of England.

Temperature changing irregularly. Morning readings highest 61° at Algiers, and above 55° on the S.^m side of the Mediterranean generally, 55° at Bilbao, 51° at Sicily, 48° at Holyhead, 47° at Dungeness. Lowest (1) 11° at Kharkov, 12° at Hermannstadt, 15° at Moscow, and below the freezing point over central and N.^m Europe generally; 35° at Paris and Berlin, 36° in London. Rising later to 50° or more at several of our W. and SW. stations, but falling fast over Gt. Britain at night.

Wind (1) light and anticyclonic over almost the whole of E.^m, central, and S.^m Europe, and very light and variable over Gt. Britain and the North Sea (2) strong from SE. over Spain, moderate from between SE. and E. over the Bay of Biscay and the Channel, (3) W. (NW to SW) over Lapland and the N. of Russia. No very decided change later.

Barometer highest 30.6 ins. and more over the S. of Russia, and exceeding 30.2 ins. over the whole of E.^m and central Europe, including many parts of the British Islands and Christiansund. Lowest (1) below 29.8 ins. over Lapland and the N. of Finland, (2) below 29.9 ins. in the S. of Portugal. Rising decidedly over the Continent later, falling in the N. of Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on

Wednesday, 5th January,

1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.			
				At 22° and M.S.L.	Dry Bulb.		Dirac.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.					Dirac.	Force (0 to 12.)	Max.	Min.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.	
SCANDINAVIA.	Haparanda ...	30.04	13	SSE	2	bc	29.70	-.91	27	26	+ 25	Z	0	0	#	bc	#	29	2		
	Härnösand ...	30.01	7	S	5	? S	29.69	-.65	28	27	+ 8	S	5	? S	#	? S	#	30	7	0.04	
	Stockholm ...	30.06	32	Z	0	0	29.78	-.44	33	32	0	S	2	S	#	0	#	34	32	0.04	
	Wisby ...	30.12	35	NW	4	0	29.84	-.36	37	37	+ 1	SSW	6	r	#	0	#	37	32	0.12	
	Karlstad ...	30.04	32	S	2	0	29.68	-.60	35	34	+ 6	S	2	m	#	0, S	#	#	#	0.20	
	Bodö ...	29.61	30	E	5	C	29.46	-.62	31	27	+ 1	E	5	0	1	C	#	3.1	27	-	
	Christiansund ...	29.62	42	SSE	4	0	29.61	-.37	41	38	+ 6	SW	6	bc	?	0	#	4.1	35	-	
	Skudesnaes ...	29.78	44	SE	9	r	29.78	-.36	39	38	- 3	SSE	1	bc	4	r	#	4.3	-	#	
	Færder (Christiania Fjord)	29.99	33	SE	4	S	29.69	-.57	33	31	- 1	NW	4	b	2	S	#	3.4	32	0.28	
	Skagen (The Scaw)	29.82	42	SW	3	0	29.72	-.53	40	39	+ 4	NW	4	bc	1	0	#	4.3	36	0.08	
Fanö ...	29.81	42	SW	4	0	29.86	-.35	43	43	+ 2	SW	4	r	#	0	#	4.3	41	0.16		
BRITISH ISLANDS.	Sumburgh Head	29.62	43	r	3	C	29.71	+ .16	41	40	- 4	W	1	0	4	r, C	#	4.6	37	0.27	
	Stornoway ...	29.71	38	r	2	b	29.77	+ .11	35	34	- 10	W	2	bc	2	0, bc, b	#	4.5	33	0.15	
	Wick ...	29.69	39	W	1	b	29.79	+ .06	35	35	- 10	NW	2	b	2	b	#	4.5	32	0.05	
	Nairn ...	29.77	39	Z	0	0	29.83	+ .09	36	35	- 10	W	1	b	1	0	#	4.6	32	0.20	
	Aberdeen ...	29.78	43	SW	2	ogr	29.85	-.00	32	31	- 11	NW	1	bm	2	ogr, gr	#	4.6	31	-	
	Leith ...	29.85	45	W	3	r	29.84	-.07	33	32	- 14	Z	0	m	#	r	#	4.8	32	0.07	
	Shields ...	29.92	46	SW	1	m	29.86	-.17	45	44	+ 3	W	2	0	2	omp	#	4.8	40	-	
	Spurn Head ...	30.01	44	SSW	4	r	29.87	-.25	46	46	+ 8	SSW	3	r	3	om, r	#	4.6	38	0.47	
	York ...	30.01	48	S	1	d	29.87	-.24	47	47	+ 9	S	1	fd	#	d	#	4.8	37	0.10	
	Loughborough ...	30.10	46	SSW	3	0	29.91	-.27	48	47	+ 11	SW	2	r	#	om, or	#	4.8	37	0.40	
GERMANY & HOLLAND.	Ardrossan ...	29.86	46	SSW	3	rm	29.83	-.12	37	37	- 10	NNE	1	bm	1	rm	#	4.7	35	0.29	
	Malin Head ...	29.84	45	W	5	r	29.78	-.12	39	39	- 7	SE	3	b	3	r	#	4.6	38	0.42	
	Belmullet ...	29.97	46	r	1	r	29.75	-.24	43	43	- 3	W	1	0	#	om, r	#	4.8	40	0.25	
	Donaghadee ...	29.92	45	SSW	3	r	29.81	-.20	45	45	0	E	4	bc	2	or	#	4.5	42	0.32	
	Liverpool (Bidston)	30.03	47	SW	3	rm	29.84	-.31	47	45	+ 1	S	1	0	?	orm	#	5.0	45	0.50	
	Holyhead ...	30.01	50	SW	4	gmr	29.79	-.33	50	50	+ 1	SW	1	df	1	d, rgm	#	5.0	48	0.75	
	Parsonstown ...	29.95	47	Z	0	r	29.73	-.35	49	48	+ 4	SE	1	r	#	or	#	4.9	44	0.57	
	Valencia ...	29.96	49	S	3	rm	29.74	-.36	53	53	+ 3	SSW	4	gmr	4	r, rm	#	5.3	48	1.58	
	Roche's Point ...	30.02	50	NW	4	r	29.78	-.38	53	53	+ 3	NW	3	r	4	rm	#	5.3	49	0.50	
	Pembroke (St. Ann's Hd.)	30.09	51	NW	5	0	29.84	-.36	51	50	+ 2	SW	6	d	4	0	#	5.1	49	0.57	
FRANCE & BELGIUM.	Seilly ...	30.15	52	SW	3	ow	29.95	-.26	53	51	+ 3	SSW	5	om	3	0, ow	#	5.4	47	0.02	
	Prawle Point ...	30.21	49	SW	3	0	30.02	-.26	50	49	+ 3	NW	4	cu	3	c, 0	#	5.0	46	-	
	Jersey (St. Aubin's)	30.32	48	ESE	2	ofw	30.10	-.24	49	49	+ 7	SSE	3	cmw	3	f, 0	#	4.9	40	-	
	Hurst Castle ...	30.20	50	SW	3	0	30.02	-.23	50	49	+ 9	SW	4	op	2	cm, 0	#	5.0	39	0.01	
	Dungeness ...	30.22	48	NW	3	0	30.04	-.23	49	49	+ 8	NW	4	op	3	0	#	5.2	40	-	
	North Foreland	30.23	45	NW	2	0	30.05	-.20	48	47	+ 8	SSW	2	om	2	0	#	4.8	40	-	
	London (Brixton) ...	30.19	45	SW	2	0	30.02	-.23	49	48	+ 13	SSW	1	or	#	ogr, m	#	4.9	36	0.05	
	Oxford ...	30.14	46	S	2	0	29.96	-.28	49	48	+ 9	SSW	2	or	#	0	#	4.9	40	0.22	
	Cambridge ...	30.16	43	SSW	1	0	29.96	-.27	48	47	+ 10	SW	2	r	#	0	#	4.8	36	0.30	
	Yarmouth ...	30.14	41	NW	2	bcm	29.96	-.23	47	46	+ 12	SW	3	fd	3	bef, bcm	#	4.7	33	0.24	
GERMANY & HOLLAND.	Cuxhaven ...	30.14	39	SW	3	0	29.93	-.31	41	41	+ 5	SW	4	r	#	or	#	4.5	36	0.32	
	Berlin ...	30.25	35	Z	0	0	30.10	-.22	36	35	0	NW	2	r	#	0	#	3.7	32	-	
	Wiesbaden ...	#	#	#	#	#	30.24	-.15	32	32	+ 2	SE	2	bc	#	#	#	3.6	30	-	
	Munich ...	30.43	37	SW	3	b	30.34	-.13	31	29	+ 3	SW	1	bc	#	b	#	4.8	28	-	
	The Helder ...	30.13	32	SW	3	0	29.96	-.24	45	44	+ 10	SW	3	r	2	0	#	4.5	35	0.08	
	Brussels ...	#	#	#	#	#	30.13	-.20	43	42	+ 8	SW	2	0	#	r	#	4.4	33	? 1.58	
	Cape Gris Nez ...	30.17	48	NW	4	0	30.03	-.19	48	47	0	NW	4	0	4	0	#	5.0	45	-	
	Paris ...	30.36	44	S	2	b	30.21	-.16	37	37	+ 5	SSE	1	bc	#	bc	#	5.0	32	-	
	Brest ...	30.23	50	SSE	1	C	30.09	-.20	50	50	+ 5	SSW	1	bc	2	C	#	5.0	41	-	
	Lorient ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
FRANCE & BELGIUM.	Rocheport ...	30.28	47	SE	2	b	30.14	-.16	44	43	+ 1	SSE	3	C	#	b	#	5.4	39	-	
	Belfort ...	30.45	40	W	1	b	30.31	-.22	36	34	0	Z	0	b	#	b	#	4.9	30	-	
	Lyons ...	30.47	44	S	1	b	30.40	-.12	31	31	- 4	SW	1	b	#	b	#	4.9	31	-	
	Nice ...	30.45	45	Z	0	b	30.39	-.12	40	38	- 1	E	1	b	1	b	#	5.5	39	-	
	Perpignan ...	30.45	49	NW	2	bc	30.39	-.06	48	46	- 2	W	2	0	#	bc	#	6.2	45	-	
	Biarritz ...	30.24	57	C	3	b	30.17	-.10	56	47	+ 5	S	3	C	2	b	#	6.3	45	-	
PENIN- SULA.	Corunna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
	Lisbon ...	30.02	57	NNE	6	0	30.11	+ .03	54	51	+ 2	NNE	5	C	#	0	#	5.9	52	0.12	
	Azores (P. Delgada)	30.27	59	NNE	4	0	30.27	-.02	59	55	0	?	2	0	2	0	#	6.3	57	-	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport... 0.0 hrs;

WEATHER CHARTS

FOR Wednesday, 5th January, 1898

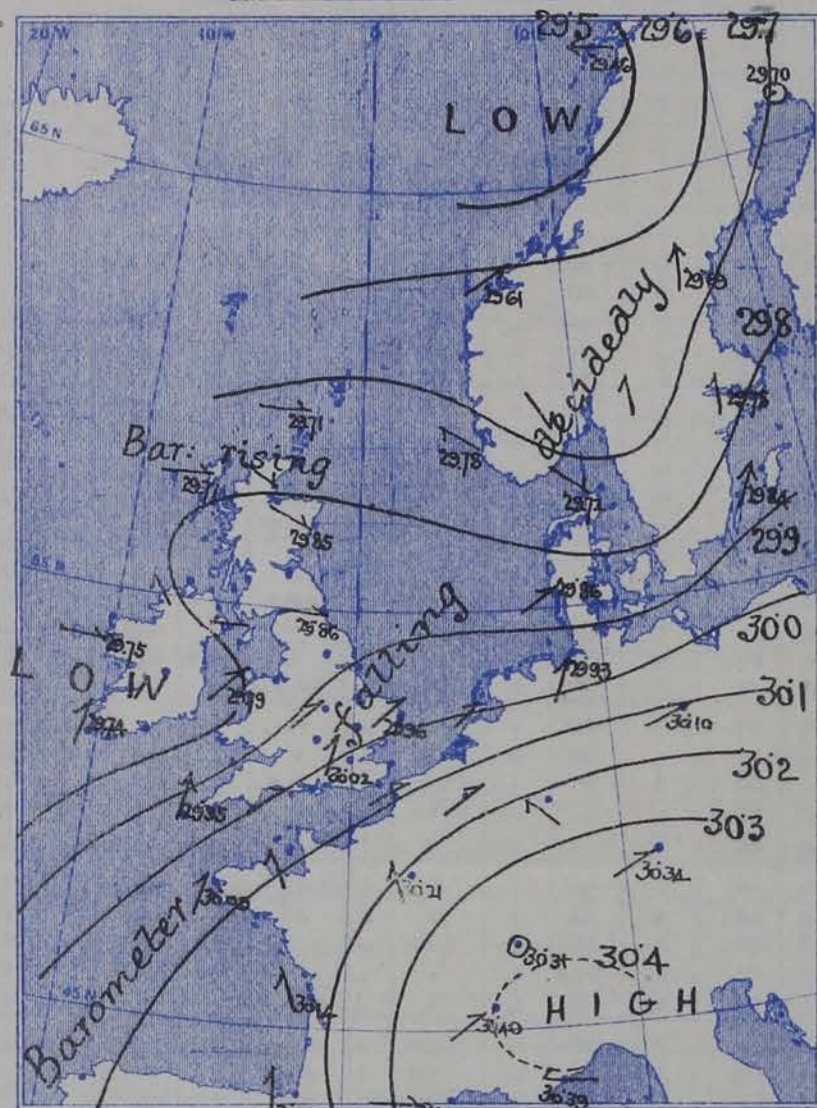
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ ; Force 5 to 7 →→ ;
Force 8 to 10 →→→ ; Force 1 to 4 →→ ; Calm ○

SEA—Rough ■■ ; High ■■

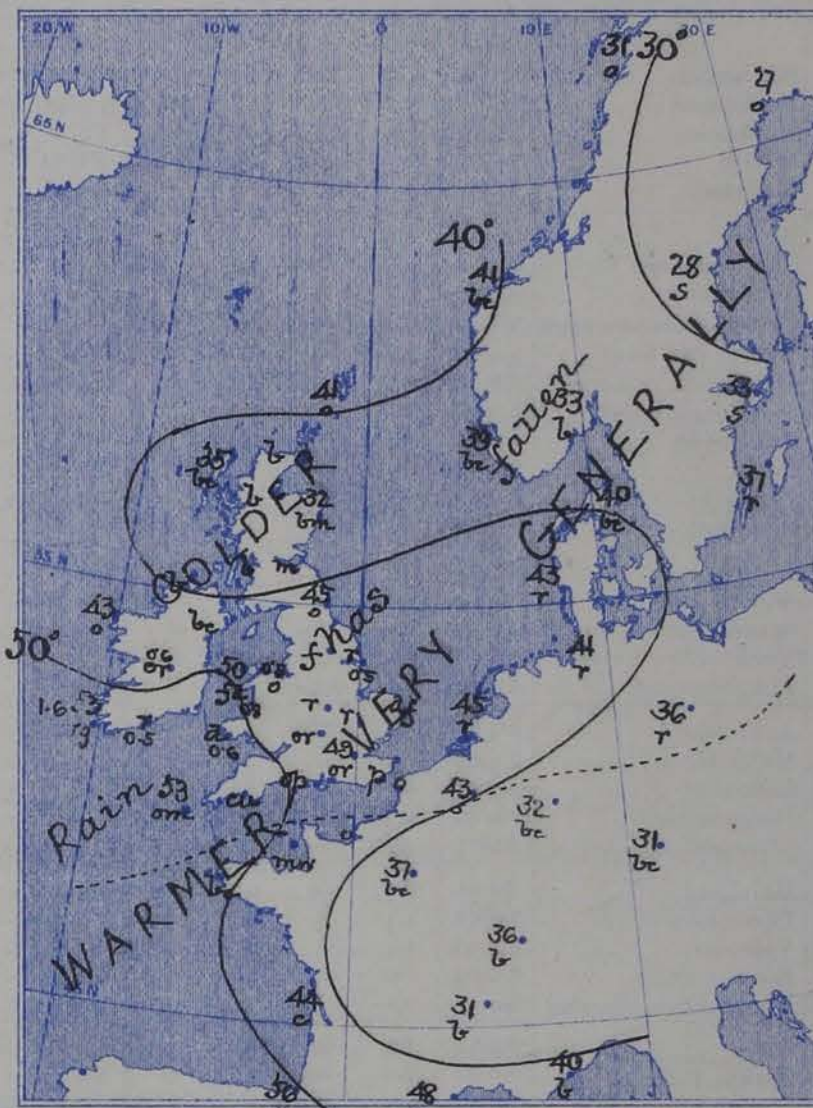


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.		
		Means of				Absolute Extremes.					1866—95.	Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.				
	(Inches.)	°	°	°	°	°		°		(Inches.)			
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—	
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13	
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	— 4	1881	2.24	—	—	
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—	
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23	
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—	
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—	
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—	
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12	
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—	
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—	
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—	
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—	
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—	
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—	
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—	
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21	
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22	
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—	
Pembroke	29.932	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21	
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—	
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—	
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27	
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—	
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—	
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3†	8†	
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19	
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20	
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—	

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in: and more to 30.1 in: in an anticyclone covering southern Europe, France, and the greater part of Germany.
 Lowest, Below 29.5 in: in a depression lying off the northwest of Norway, and below 29.8 in: in another over Ireland.
 Gradients moderate. Barometer still falling in the north of Scotland, where it has risen somewhat.

TEMPERATURE

Highest, 56° at Kilmory, 53° at Jolly, Rock Point and Kilmory (Ireland), 50° at Hunt Castle and Holyhead.
 Lowest, (1) 27° at Hafnarfjörður, 28° at Havn; (2) 31° at Lyons and Munich, 32° at Kristiansund, 37° at Paris; (3) 31° at Aberdeen, 33° at South, 35° at Mill and Hornsea.
 It has risen very quickly over England, fallen quickly over Scotland during the night.

WIND

(1) S over the greater part of Scandinavia, but E at Oslo, NW in the Skager Rack.
 (2) SW, fresh to moderate over Ireland and England, calm over the southern parts of Scotland, very light from W. in the north.
 (3) S over the Bay of Biscay; light and anticyclonic over France.

WEATHER

Fine and bright over Scotland and the north of Ireland, very dull over the south of Ireland, very gloomy and rainy over England, fine and bright over France.
 Heavy rain has fallen over Ireland and a considerable amount over Wales and some parts of England.
 Bright Sunshine recorded yesterday did not spread O.B. now anywhere; at most stations there was none.

SEA

Moderate at our northern and southernmost stations, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of mild, rainy weather is probable over England and Ireland, colder and foggy weather at present in Scotland.

FORECASTS

For the 24 hours ending at NOON on 6TH JAN^Y 1898

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	Varying and E ^{ly} airs; cold, foggy. Uncertain later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW ^{ly} winds, moderate to fresh; mild, very rainy.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	



DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	SE ^{ly} winds, light; colder, changeable.
8	ENGLAND S.W.	Same as Nos 2 to 5.
9	IRELAND NORTH	Same as No 7.
10	IRELAND SOUTH	Same as Nos 2 to 5.

WARNINGS

NONE ISSUED.

Note.—The South Cone, point downwards (, means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (, means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.98	40	37	SSE	8	0	5	Valencia ...	30.03	49	48	SSW	4	r	4
Sunbrough Head ...	29.61	42	41	W	8	r	5	Scilly ...	30.18	49	47	SW	4	0	2
Stornoway ...	29.69	44	42	W	3	bc	3	Jersey ...	30.31	48	48	WSW	2	f	2
Aberdeen ...	29.78	45	43	SW	2	og	2	Hurst Castle ...	30.22	49	46	SW	3	cm	2
Shields ...	29.97	46	45	SW	1	om	2	Dungeness ...	30.22	48	47	WSW	3	0	2
Ardrossan ...	29.89	47	47	SSW	4	ym	3	North Foreland ...	30.23	47	45	WSW	2	0	2
Malin Head ...	29.85	45	45	W	4	r	3	London (Westminster) ...	30.20	47	44	WSW	3	ogm	3
Belmullet ...	29.94	47	46	WSW	1	om	*	Yarmouth ...	30.15	41	40	WSW	3	btf	3
Holyhead ...	30.06	50	49	SW	3	dgm	2	Rochefort ...	30.29	53	50	SSE	4	6	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on *Thursday, 6th January,* 1898.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.			
		At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)					Max.	Min.	Rainfall.	
		Ins.	°				Ins.	Ins.	°	°	°						°	°	Ins.		
SCANDINAVIA.	Haparanda ...	29.49	27	Z	0	0	29.51	-1.4	15	15	-12	Z	0	f	#	0	#	36	10	-	
	Hernösand ...	29.66	20	Z	0	0	29.74	+0.08	30	28	+2	S	2	f	#	0	#	30	8	-	
	Stockholm ...	29.76	32	WNW	2	0	29.90	+1.2	27	26	-6	W	2	0	#	0	#	36	27	-	
	Wisby ...	29.79	36	WNW	6	0	29.95	+1.1	32	32	-5	WNW	4	0	#	0	#	37	30	0.20	
	Karlstad ...	29.85	27	W	2	0	29.90	+1.22	20	19	-15	H	2	f	#	0	#	#	#	-	
	Bodö ...	29.43	38	SW	6	0	29.56	+1.10	35	34	+4	SW	6	0	3	0	#	37	27	0.35	
	Christiansund ...	29.70	39	W	3	r	29.74	+1.3	39	37	-2	S	1	bc	4	r	#	41	37	0.67	
	Skudesnaes ...	29.88	38	Z	0	bc	29.77	-0.1	39	37	0	SE	4	bc	3	c, bc	#	43	36	#	
	Færder (Christiania Fjord)	29.84	32	Z	0	m	29.89	+2.0	26	26	-7	ENE	1	f	2	m	#	34	25	-	
	Skagen (The Scaw)	29.88	38	WNW	1	0	29.89	+1.7	35	34	-5	SW	1	f	0	0	#	40	34	-	
Fanö ...	29.93	37	W	1	f	29.82	-0.4	40	40	-3	SE	2	f	#	0	#	43	36	0.08		
	Sumburgh Head	29.73	40	Z	0	bc	29.44	-2.7	42	42	+1	SE	3	r	4	bc	#	44	35	0.12	
	Stornoway ...	29.69	40	S	3	0	29.85	-0.42	47	46	+12	W	3	0	4	0	#	47	33	0.20	
	Wick ...	29.74	40	S	1	0	29.39	-0.40	45	44	+10	S	2	c	3	0	#	45	32	0.10	
	Nairn ...	29.75	32	Z	0	0	29.45	-0.38	43	43	+7	W	1	0	1	0	#	44	27	0.10	
	Aberdeen ...	29.80	33	W	2	cm	29.52	-0.33	42	41	+10	SSW	2	bm	2	bm, q	2.3	46	31	0.13	
	Leith ...	29.76	43	S	2	0	29.61	-0.23	48	46	+15	WSW	5	c	#	f, or	#	50	31	0.17	
	Shields ...	29.75	45	Z	0	d	29.66	-0.20	51	50	+6	WSW	4	c	2	0, d	#	51	42	0.10	
	Spurn Head ...	29.77	46	SSE	4	f	29.73	-0.14	49	48	+3	WSW	4	bc	4	of	#	50	45	0.17	
	York ...	29.74	49	WNW	1	r	29.79	-0.08	52	49	+5	SW	3	cmd	#	d, r	0.0	52	46	0.21	
	Loughborough ...	29.79	51	SSW	4	r	29.84	-0.07	52	50	+4	WSW	3	0	#	r	#	53	48	0.26	
BRITISH ISLANDS.	Ardrossan ...	29.69	37	ENE	2	rf	29.66	-0.17	49	48	+12	SSW	4	0	3	bc, rf	#	49	33	0.07	
	Malin Head ...	29.59	45	ESE	5	r	29.64	-0.14	49	48	+10	W	4	cip	3	c, r	#	49	39	0.10	
	Belmullet ...	29.58	50	WSW	2	om	29.77	+0.02	47	46	+4	W	1	0	#	om	#	51	40	0.20	
	Donaghadee ...	29.66	47	SE	5	2	29.75	-0.06	48	47	+3	W	4	c	2	r	#	51	45	0.21	
	Liverpool (Bidston)	29.72	51	SSW	1	r	29.81	-0.03	49	45	+2	WSW	7	0	4	r	#	53	46	0.24	
	Holyhead ...	29.70	50	SW	3	of	29.85	+0.06	50	48	0	WSW	4	o, qm	3	f, d, of	#	51	48	0.26	
	Parsonstown ...	29.66	53	W	1	r	29.83	+1.10	48	47	-1	SW	1	0, d	#	of	0.0	53	48	0.19	
	Valencia ...	29.71	54	SW	4	om	29.90	+1.16	51	50	-2	SW	3	om	5	om	0.0	54	49	0.24	
	Roche's Point ..	29.77	53	WSW	4	r	29.93	+1.15	50	49	-3	W	1	0	4	r	#	54	48	0.20	
	Pembroke (St. Ann's Hd.)	29.79	51	WSW	6	r	29.94	+1.10	51	50	0	W	5	og	4	or	0.0	51	39	0.37	
	Scilly ...	29.93	53	WSW	5	f	29.96	+0.1	50	50	-3	WNW	3	m	4	om, f	0.0	54	49	0.14	
	Prawle Point ...	29.94	51	WSW	4	0	29.98	-0.04	50	50	0	WSW	4	0	3	r, rf	#	51	49	0.26	
	Jersey (St. Aubin's)	30.04	52	SSW	3	0	30.07	-0.03	52	51	+3	SW	4	odm	3	bc, c	#	53	48	0.01	
	Hurst Castle ...	29.95	51	SW	4	om	29.96	-0.06	50	49	0	WSW	3	0	3	0	#	51	49	0.33	
	Dungeness ...	29.95	50	SW	4	r	29.94	-0.10	50	50	+1	SW	4	0	3	c, r	#	51	49	0.10	
	North Foreland	29.94	50	SSW	5	rf	29.93	-0.12	50	49	+2	SSW	3	0	2	r, rf	#	50	47	0.15	
	London (Brixton) ...	29.92	51	SW	2	0	29.93	-0.09	52	50	+3	WSW	2	c	#	r, 0	0.0	52	48	0.32	
	Oxford ...	29.88	52	SSW	3	0	29.92	-0.04	51	49	+2	SW	5	og	#	or	#	53	48	0.24	
	Cambridge ...	29.86	50	SW	4	r	29.88	-0.08	52	51	+4	SW	3	0	#	or	0.0	54	46	0.40	
	Yarmouth ...	29.85	48	SW	3	2	29.85	-0.11	52	50	+5	WSW	4	bcm	3	r, d	#	52	45	0.19	
GERMANY & HOLLAND.	Cuxhaven ...	29.95	43	SW	1	r	29.86	-0.07	44	44	+3	S	3	r	#	rf	#	45	41	0.28	
	Berlin ...	30.00	44	W	4	r	30.02	-0.08	41	41	+5	SW	2	0	#	r	#	43	36	0.04	
	Wiesbaden ...	#	#	#	#	#	30.12	-0.12	38	38	+6	SE	1	0	#	#	#	41	32	0.04	
	Munich ...	30.22	39	W	2	c	30.20	-0.14	41	37	+10	SW	4	c	#	c	#	45	30	-	
	The Helder ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	-	
	Brussels ...	#	#	#	#	#	30.03	-0.10	46	45	+3	SW	4	0	#	0	#	46	43	0.12	
	Cape Gris Nez ...	29.96	45	SW	4	r	29.94	-0.09	50	49	+2	WSW	5	f	5	r	#	50	45	0.04	
	Paris ...	30.13	45	S	2	0	30.12	-0.09	40	40	+3	S	2	f	#	0	#	48	37	-	
	Brest ...	30.06	52	SSW	2	bc	30.06	-0.03	52	51	+2	SW	2	0	2	bc	#	52	46	-	
	Lorient ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	-	
FRANCE & BELGIUM.	Rochefort ...	30.12	50	SSW	2	0	30.16	+0.02	46	45	+2	SSW	2	0	#	c, 0	#	50	44	-	
	Belfort ...	30.23	44	W	3	0	30.21	-0.10	41	37	+5	W	3	c	#	0	#	51	36	-	
	Lyons ...	30.29	44	S	1	c	30.28	-0.12	37	37	+6	WNW	1	0	#	c	#	51	31	-	
	Nice ...	30.32	45	Z	0	0	30.28	-0.11	43	41	+3	E	1	bc	2	0	#	54	40	-	
	Perpignan ...	30.34	49	Z	0	0	30.28	-0.11	49	48	+1	W	2	0	#	0	#	54	48	-	
	Biarritz ...	30.13	64	SSW	3	0	30.09	-0.08	57	52	+1	S	3	0	2	0	#	73	55	-	
PENIN- SULA.	Corunna ...	#	#	#	#	#	30.03	-0.10	46	45	+3	SW	4	0	#	0	#	46	43	0.12	
	Lisbon ...	30.21	53	E	1	0	30.26	+0.15	51	51	-3	ENE	1	0	#	0	#	57	50	0.12	
	Azores (P. Delgada)	30.33	57	WNW	2	0	30.32	+0.05	57	55	-2	WNW	1	0	2	0	#	63	54	-	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport 0.0 hrs;

WEATHER CHARTS

FOR Thursday, 6th January, 1898

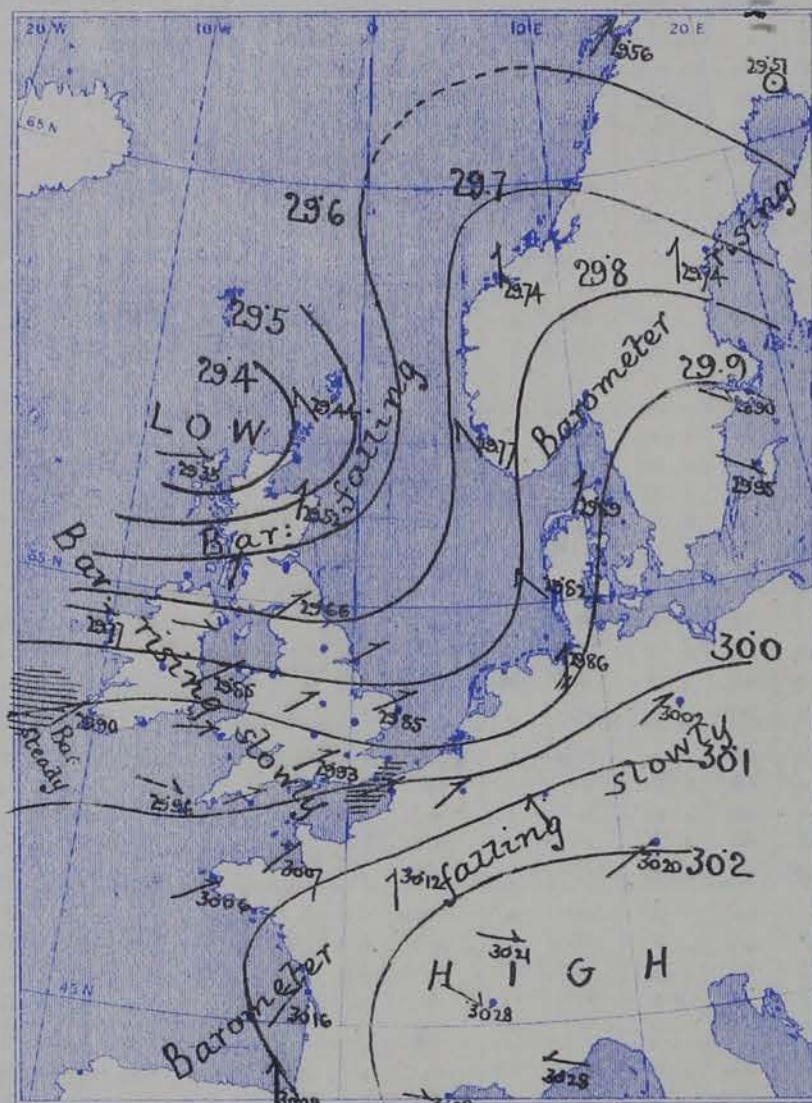
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→→→ ; Force 5 to 7 →→→→→ ; } Calm ☉
Force 8 to 10 →→→→→ ; Force 1 to 4 →→→→→ ; }

SEA—Rough ≡≡≡ ; High ≡≡≡

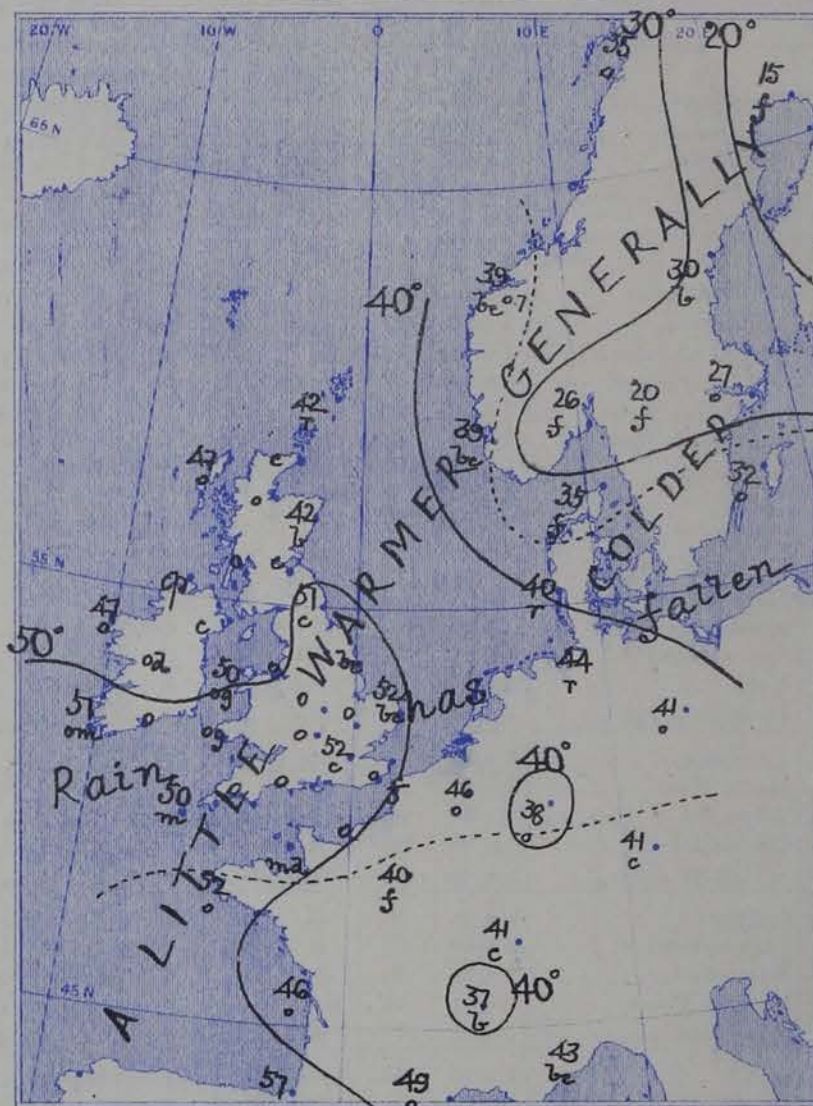


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	— 4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	4.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	5.48	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	—	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.913	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3*	8*
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: and more over Switzerland, the north of Italy, and the southeast of France.
 Lowest, Below 29.4 in: in a depression off the north of Scotland.
 Gradients moderate for W³ to S³ winds.
 Barometer fallen decidedly in the north and east, risen over Ireland, but the rise has since ceased.

TEMPERATURE

Highest, 57° at Biarritz, 52° over the eastern and midland counties of England, 50° at Holyhead, Rock Point, and Sully.
 Lowest, (1) 15° at Hafnarfjörður, 20° at Karlstad, 26° at Faerden, 27° at Stockholm; (2) 38° at Wiesbaden, 40° at Paris, 42° at Aberdeen.
 A decided rise has taken place over Scotland and the north of England. Readings in our Islands are all much above their mean values for January.

WIND

W³ to S³ in direction and light to moderate in force over the British Islands, the Channel and the north and west of France. S³ on the Norwegian coast, very light and variable over Sweden.

WEATHER

Fine in the west of Norway, fair as a whole over Germany, France, and the eastern half of England, dull at our western stations, raining at Lumburgh Head.
 Rain has fallen all over the Kingdom - in considerable quantity over the southern half of England. Over France there has been none.
 Bright Sunshine amounted to 4 hrs at Tromsø, 2.3 hrs at Aberdeen, none at the Irish and English stations.

SEA

Moderate to rather rough on our western and northern coasts, slight in the Channel, smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No decided change of weather is indicated at present beyond some increase in the force of the wind (from the southward) at our western stations.

FORECASTS

For the 24 hours ending at NOON on 7th JAN^y 1898

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

SW² and W² breezes; mild, rain at times.
 SW² winds, moderate to light; mild, slight rain occasionally.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

W² to S² winds, moderate to fresh; rain at times.

WARNINGS

NONE ISSUED.

Note. — The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.84	43	42	rw	2	c	4	Valencia ...	29.70	54	54	Sw	5	om	5
Sumburgh Head	29.74	41	39	ws	1	bc	3	Scilly ...	29.93	54	53	Sw	5	m	4
Stornoway ...	29.75	44	42	w	1	b	1	Jersey ...	30.06	53	51	SSW	3	c	3
Aberdeen ...	29.82	36	34	WSW	1	bm	2	Hurst Castle ...							
Shields ...	29.81	45	44	HE	1	o	2	Dungeness ...	29.96	49	49	SSW	4	c	4
Ardrossan ...	29.73	37	37	NHE	3	bef	1	North Foreland	29.97	50	49	SSW	2	r	2
Malin Head ...	29.67	45	44	SE	4	c	3	London (Westminster)	29.92	52	50	Sw	3	or	#
Belmullet ...	29.62	47	46	E	1	om	#	Yarmouth ...	29.88	48	47	Sw	2	r	3
Holyhead ...	29.72	51	50	SSW	1	fg d	1	Rochefort ...	30.15	50	48	SEE	2	c	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fine and bright over southern Europe, fair and quiet over the western and southern countries generally, but foggy in the north of Italy, and in Austria-Hungary; fine also in Norway, Iceland, and the north of Ireland. Unsettled and gloomy over the southern half of Ireland, England, the Netherlands, Germany, and the Baltic, with rain in many places, snow at Stockholm, Rango and Petersburg. Rain falling very generally over the British Islands and the North Sea later, but fog clearing off.

Temperature risen fast over England and the Netherlands, fallen fast, but temporarily, over Scotland. Morning readings highest 64° at Nemours and Algiers, 63° at Bilbao, 54° at Malta and Lisbon, 53° at Seville and Valencia. Lowest (1) 1° at Kharkov, 3° at Odessa, 24° at Moscow, 25° at Uleaborg, 28° at Helsingfors, and also at Vienna, 31° at Munich, 32° at Wiesbaden, 37° at Paris; (2) 32° at Aberdeen, 33° at Leith, 35° at Stornoway. Rising decidedly over Scotland later, and continuing high over Ireland and England.

Wind light and anticyclonic over all the eastern and southern parts of Europe, moderate to strong (but cyclonic) in the west and north; chiefly S over the British Isles and the north and west of France, very variable in Scotland. Veering to SW. over England later, and the SW current tending to spread northwards.

Barometer highest 30.5 in. and more over the south of Russia, and 30.4 in. to 30.0 in. in a large system covering nearly the whole of Europe, excepting Scandinavia. Lowest, below 29.5 in. in a depression over the northwest of Norway, and below 29.8 in. in another over Ireland. Latter system moving northwards later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday, 7th January,

1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING.* (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.				
				At 32° and M.S.L.	Dry Bulb.		Dirac.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.				Dirac.	Force (0 to 12.)	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°						°	°	Ins.		
SCANDINAVIA.	Haparanda ...	29.73	5	N	4	f	29.76	+ .25	12	12	- 3	N	2	0	#	0	#	28	3	-	
	Hernösand ...	29.74	18	Z	0	b	29.59	- .15	26	26	- 4	Z	0	0	#	0	#	32	18	0.04	
	Stockholm ...	29.86	27	Z	0	f	29.66	- .24	36	36	+ 9	SSW	2	1	#	0	#	?	25	0.08	
	Wisby ...	29.90	33	SSW	4	c	29.74	- .21	38	38	+ 6	SSW	4	1	#	0	#	38	28	-	
	Karlstad ...	29.80	28	N	2	0	29.67	- .23	32	31	+ 12	Z	0	m	#	0	#	#	#	-	
	Bodö ...	29.63	32	N	2	bc	29.50	- .06	31	28	- 4	E	4	b	1	bc	#	36	27	-	
	Christiansund ...	29.46	37	SW	4	0	29.51	- .23	41	37	+ 2	SW	7	c	4	0	#	41	36	0.08	
	Skudesnaes ...	29.67	41	SE	6	T	29.70	- .07	38	37	- 1	Z	0	m	2	rf	#	43	36	#	
	Færder (Christiania Fjord)	29.72	35	SE	2	T	29.69	- .20	38	32	+ 7	W	1	0	1	T	#	36	26	0.04	
	Skagen (The Scaw)	29.71	41	S	3	0	29.73	- .16	39	39	+ 4	N	1	c	0	0	#	43	34	0.08	
Fanö ...	29.80	44	WSW	4	c	29.82	- .02	42	42	+ 2	Z	0	c	#	0	#	45	40	0.12		
BRITISH ISLANDS.	Sumburgh Head	29.43	44	WSW	4	b	29.50	+ .06	39	38	- 3	WSW	3	0	4	0.6	#	48	39	0.17	
	Stornoway ...	29.62	38	N	2	bc	29.67	+ .05	35	35	- 12	W	3	0	4	b.c.hgl	3.1	47	33	0.27	
	Wick ...	29.60	42	W	2	b	29.62	+ .02	35	35	- 10	W	3	0	2	b.sp	#	49	32	0.02	
	Nairn ...	29.68	39	N	1	b	29.71	+ .03	35	35	- 8	W	2	b	2	b	#	48	32	0.02	
	Aberdeen ...	29.71	39	N	2	b	29.74	+ .03	36	34	- 6	WSW	3	b	2	c.p.p.b	1.2	48	32	0.04	
	Leith ...	29.75	43	WSW	3	b	29.79	+ .04	38	36	- 10	WSW	3	b	#	b	#	51	36	0.02	
	Shields ...	29.82	48	SW	2	c	29.82	+ .00	41	40	- 10	W	3	bc	2	o.p.c	#	51	37	0.18	
	Spurn Head ...	29.87	44	SSW	2	c	29.88	+ .01	43	41	- 4	WNW	5	b	4	a.p	#	50	42	0.02	
	York ...	29.84	49	WSW	1	b	29.91	+ .07	41	39	- 11	W	2	b	#	c.o.b.r	2.3	53	39	0.11	
	Loughborough ...	29.91	46	SSW	1	0	29.93	+ .02	41	40	- 11	WNW	2	bc	#	bc.c.op	#	54	41	0.02	
GERMANY & HOLLAND.	Ardrossan ...	29.77	45	WSW	3	bc	29.85	+ .08	42	41	- 7	W	4	b	3	e.bc	#	49	38	0.06	
	Malin Head ...	29.76	43	S	3	bc.m	29.87	+ .11	40	39	- 9	WNW	5	bc.p	3	bc.m	#	49	38	0.20	
	Belmullet ...	29.87	44	W	2	0	29.96	+ .09	42	40	- 5	W	2	0	#	0	#	47	40	0.05	
	Donaghadee ...	29.81	45	WSW	3	c	29.92	+ .11	35	34	- 13	WSW	3	b	1	c	#	50	34	0.01	
	Liverpool (Bidston)	29.87	48	SW	3	0	29.97	+ .10	43	40	- 6	W	5	c	4	0	#	52	43	0.04	
	Holyhead ...	29.85	50	SW	3	0	30.01	+ .16	43	40	- 7	WNW	4	b	3	c.0	#	52	40	0.06	
	Parsonstown ...	29.85	45	W	1	0	30.05	+ .20	36	35	- 12	SE	1	c	#	o.d.b	0.0	49	36	0.05	
	Valencia ...	29.89	48	Z	0	0	30.10	+ .21	46	43	- 5	N	2	bc	4	o.m.0	0.0	51	44	0.15	
	Roche's Point ...	29.89	50	SW	4	T	30.11	+ .18	42	40	- 8	N	2	bc	3	b.m	#	51	40	0.01	
	Pembroke (St. Ann's Hd.)	29.95	48	SW	2	0	30.06	+ .11	45	41	- 6	WNW	4	bc	3	0	0.0	?	?	0.05	
FRANCE & BELGIUM.	Scilly ...	29.89	51	WSW	3	f	30.07	+ .18	49	46	- 1	W	4	c	5	f.r	0.0	53	45	0.09	
	Prawle Point ...	29.94	49	WSW	2	f	30.08	+ .14	42	41	- 8	WNW	2	bc	2	f.r	#	51	41	0.05	
	Jersey (St. Aubin's)	30.00	52	SW	3	o.d.p.f	30.04	- .03	51	50	- 1	W	3	om	3	m.r.f	#	52	49	0.17	
	Hurst Castle ...	29.94	49	SW	1	0	30.00	+ .06	47	46	- 3	WNW	2	bc.m	2	c.o.f	#	51	46	0.10	
	Dungeness ...	29.96	49	SW	3	0	29.92	- .04	49	49	- 1	WSW	3	c	2	c.0	#	53	49	0.05	
	North Foreland	29.98	49	SW	2	0	29.90	- .08	49	48	- 1	W	4	0	3	bc.0	#	53	46	0.04	
	London (Brixton) ...	29.96	48	WSW	2	bc	29.95	+ .02	47	46	- 5	W	3	og	#	bc.0	1.3	52	46	0.07	
	Oxford ...	29.95	47	SSW	1	0	29.98	+ .03	45	42	- 6	W	2	bc	#	o.p	#	52	45	0.02	
	Cambridge ...	29.93	45	WSW	1	c	29.93	+ .00	45	45	- 7	WNW	3	og.m	#	o.c	0.4	54	42	0.04	
	Yarmouth ...	29.90	50	WNW	2	c.m	29.87	+ .03	45	44	- 7	W	3	df	3	bc.cm	#	53	43	0.02	
GERMANY & HOLLAND.	Cuxhaven ...	29.84	47	SW	4	0	29.88	+ .04	43	43	- 1	SW	1	f	#	0	#	47	43	0.08	
	Berlin ...	29.97	44	SSW	2	T	29.98	- .01	46	46	+ 5	Z	0	f	#	T	#	46	41	0.20	
	Wiesbaden ...	30.02	46	SW	2	0	30.02	- .00	37	37	- 1	SW	1	0	#	#	#	45	37	-	
	Munich ...	30.15	39	Z	0	b	30.09	- .06	37	35	- 4	SW	1	0	#	b	#	55	34	-	
	The Helder ...	29.91	45	W	2	c	29.83	- .08	45	45	-	SSW	1	f	1	c	#	46	43	0.12	
	Brussels ...	30.04	49	W	2	0	29.95	- .09	44	42	- 2	SSW	1	0	#	T	#	47	44	0.08	
	Cape Gris Nez ...	29.95	50	WSW	4	f	29.91	- .04	50	49	-	W	4	0	4	f	#	52	45	0.16	
	Paris ...	30.08	43	S	1	T	30.02	- .06	38	38	- 2	S	1	0	#	T	#	43	37	0.04	
	Brest ...	29.98	52	SSW	2	f	30.04	- .06	50	47	- 2	WNW	4	c	3	f	#	52	45	0.16	
	Lorient ...	30.04	49	Z	0	3	30.07	- .03	49	49	-	W	2	c	1	m	#	55	45	0.16	
FRANCE & BELGIUM.	Rocheport ...	30.05	50	SE	3	0	30.02	- .03	46	44	-	SSW	3	0	#	0	#	52	41	-	
	Belfort ...	30.10	47	W	1	0	30.09	- .01	45	42	+ 4	Z	0	T	#	0	#	53	39	-	
	Lyons ...	30.17	41	S	1	0	30.12	- .05	42	42	+ 5	NE	1	f	#	0	#	46	37	-	
	Nice ...	30.21	48	Z	0	0	30.16	- .05	46	45	+ 3	Z	0	c	2	0	#	52	43	0.04	
	Perpignan ...	30.20	50	W	2	0	30.12	- .08	49	49	-	SW	2	0	#	0	#	62	47	0.12	
	Biarritz ...	30.08	57	WNW	3	c	30.04	- .04	52	49	- 5	SW	2	bc	2	bc	#	63	50	-	
	Corunna ...	30.20	53	WNW	3	b	30.11	- .09	54	53	+ 3	WNW	3	T	#	b	#	61	51	-	
	Lisbon ...	30.38	59	W	1	0	30.36	+ .02	57	56	-	W	1	c	2	0	#	63	55	-	
	Azores (P. Delgada)	30.38	59	W	1	0	30.36	+ .02	57	56	-	W	1	c	2	0	#	63	55	-	

For Explanation of Columns, see bottom of last page.

* Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport... 1.7 hrs;

WEATHER CHARTS

FOR

Friday, 7th January, 1898

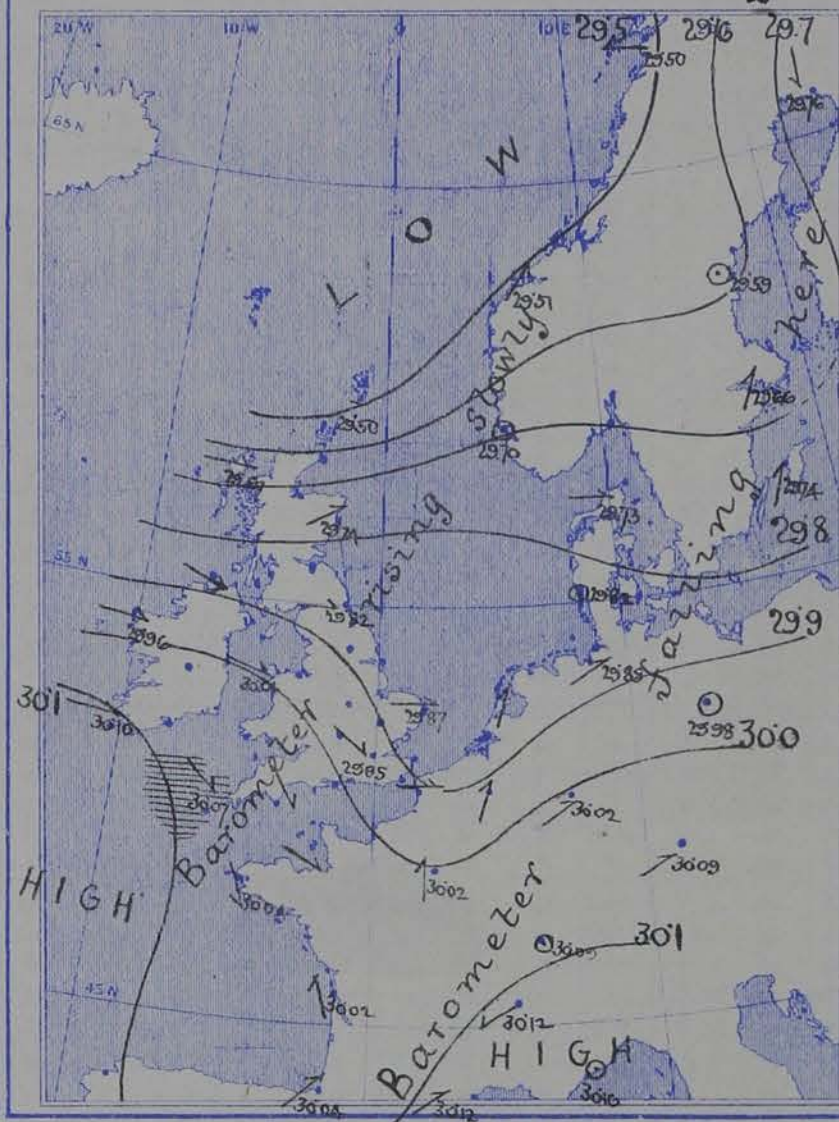
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ ; Force 5 to 7 →→→ ; } Calm ○
Force 8 to 10 →→→ ; Force 1 to 4 →→→ ; }

SEA—Rough ≡≡≡ ; High ≡≡≡

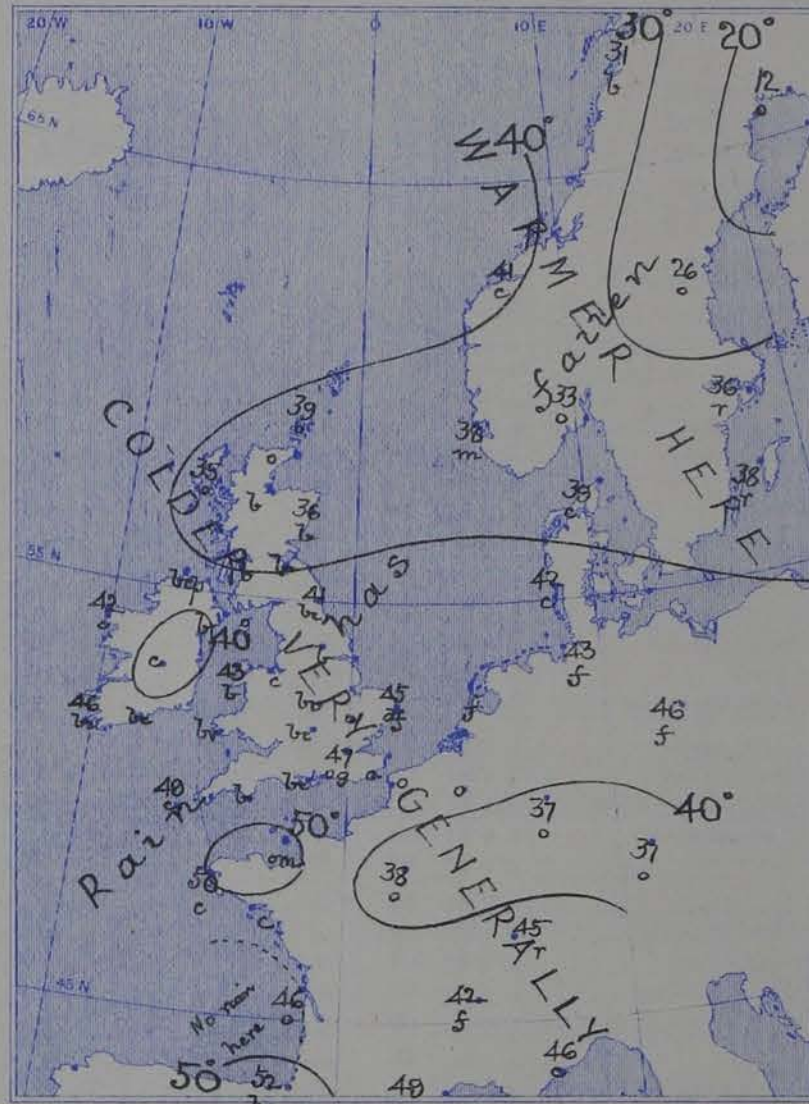


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	—	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54	1884, 88	13	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57	1888, 94	2	1881	2.01	—	—
Ardrrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Rock's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56	1883, 95	17	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3	8
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and upwards in an anticyclone extending from the Atlantic over the Portuguese coast, and the extreme S. of Ireland and also in another area over the S.E. of France.
Lowest 29.5 ins. and less in a large depression lying to the westward of Norway.

TEMPERATURE

Gradients slight generally, but moderate off the north of Scotland.
Barometers rising over our islands and the E. shores of North Sea, but falling elsewhere.
Highest 54° at Lisbon, 52° at Biarritz, 51° at Jersey, 50° at Brest, and 49° at Sicily, Dungeness, the North Foreland, Lorient and Perpignan.
Lowest (1) 42° at Haparanda, 26° at Hernösand, 31° at Bodö, and 32° at Karlskrona, 35° at Stornoway, Ullrich, Vain and Donagladse.
During yesterday the thermometers rose to 50° and upwards in many parts of England and Ireland, and to 54° at Loughborough, Jersey, London and Cambridge.

WIND

Light to moderate from the W. over the greater part of our islands, but NW. in the S. of England.
Light from the S. or SW. over France, Germany and the Netherlands, and also in the S. of Sweden.
Calm or light from the W. in Denmark and the S. of Norway; strong from the SW. at Christiansund.

WEATHER

Fine over the United Kingdom generally, but dull in the S.E. of England, as well as at most of the Continental stations, with fog in several places, and rain in the S. of Sweden. Rain was also falling at Lisbon.
Since yesterday morning rain has fallen over NW. Europe generally, the quantity being, however, mostly slight. Lightning was seen last night at Stornoway, a lunar halo at Rjukan.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The high pressure area over the Atlantic is inclined to spread N.E., and fair dry weather is likely to prevail for a time, with a further fall of temperature.

FORECASTS

For the 24 hours ending at NOON on

8TH JANUARY

1898

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

W. winds, light or moderate, fair generally, but local showers.

Same as No. 5.

NW. winds, light; fine generally, cooler.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

Same as Nos. 0 and 1.

W. and NW. winds, moderate, fair generally, cooler.

Same as No. 5.

Same as Nos. 0 and 1.

Same as No. 5.

At 3.30 pm. yesterday the parts of districts 0 and 1. Hoist North Cone, and at 10.30 am. today Lower Cone.

WARNINGS

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.63	40	39	ESE	6	1 f	4	Valencia ...	29.87	50	49	WSW	1	o m	4
Sumburgh Head ...	29.64	47	45	W	4	0	5	Scilly ...	29.95	52	52	SSW	3	f	3
Stornoway ...	29.65	43	40	W	3	6	3	Jersey ...	30.03	52	52	SSW	3	m	3
Aberdeen ...	29.61	45	44	WNW	5	eqyp	2	Hurst Castle ...	29.97	50	49	WSW	1	c	2
Shields ...	29.75	51	49	SW	3	op	2	Dungeness ...	29.95	50	50	WSW	3	c	2
Ardrossan ...	29.73	49	49	WSW	3	c	2	North Foreland	29.97	53	51	SW	2	bc	2
Malin Head ...	29.73	46	41	W	5	bc	3	London (Westminster)	29.95	54	50	SW	2	bc	#
Belmullet ...	29.81	47	43	W	1	o	#	Yarmouth ...	29.88	53	51	WSW	4	bc	3
Holyhead ...	29.87	50	49	SW	3	c	2	Rochefort ...	30.15	50	48	SE	3	o	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull over the greater part of our islands and the Continent, fog reported over the N. of France and also in Denmark, N. Germany and the S. of Scandinavia, and rain in the Shetlands as well as at Fano, Cuxhaven, Prague, Vienna and Barcelona. Snow falling at St. Petersburg. Fine on the E. coasts of St. Britain and the W. coasts of Norway, as well as in the SE. of France. Rain falling later over nearly the whole of W. Europe; lightning seen at Stornoway at night.

Temperature risen in most places. Morning readings, highest 61° at Algiers, 57° at Biarritz and Cron, and 56° at Bilbao; above 50° at several of the English stations, and also at Valencia (Ireland). Lowest (1) 12° at Kiev, 13° at Moscow, and 19° at Kharkov; (2) 15° at Haparanda, and 20° at Karlstad, below the freezing point in most parts of Sweden, Russia and Austria. Rising during day to 50° and upwards in most parts of England, Ireland and France, to 61° at Lisbon, and to 63° at Biarritz. Frost occurring in N. of Scotland at night.

Wind moderate to fresh from the W. or SW. over our islands, the Netherlands, Germany and the N. of France; light from the SE. on the eastern shores of the North Sea. NW. over the south of Sweden and the northern parts of the Baltic, but S. over central Russia. Variable in Italy, W. in the south of France, E. or NE. over the Spanish peninsula. No important change occurring over western Europe during day.

Barometer highest 30.3 in. and upwards in an anticyclone lying over Italy, Algeria and the W. parts of the Mediterranean generally, as well as in another system over the S. of Russia. Lowest 29.4 in. and less in a depression lying off the N. of Scotland, 29.6 in. and less in a large area over the extreme N. of Europe. Scotch depression subsequently moving E., but small secondary system approaching our SW. coasts in evening.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on *Saturday, 8th January,* 1898.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.			Rainfall.	
				At 32° and M.S.L.	Dry Bulb.		Direc.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.				Direc.	Force (0 to 12.)	Max.		Min.
		Inch.	°				Inch.	Inch.	°	°	°						°	°	Inch.		
SCANDINAVIA.	Haparanda ...	29.85	21	Z	0	0	29.98	+ 22	19	19	+ 7	Z	0	0	#	0	#	21	3	-	
	Hernösand ...	29.74	26	Z	0	0	29.96	+ 37	26	24	0	H	2	0	#	0	#	27	14	-	
	Stockholm ...	29.73	30	Z	0	0	29.93	+ 27	31	30	- 5	HW	2	0	#	0	#	37	25	0.04	
	Wisby ...	29.69	39	HW	4	0	29.88	+ 14	34	33	- 4	H	8	0	#	0	#	39	30	0.04	
	Karlstad ...	29.72	28	HW	2	0	29.97	+ 30	21	20	- 11	HW	2	0	#	0	#	#	#	-	
	Bodö ...	29.53	33	ESE	4	C	29.76	+ 26	30	27	- 1	ESE	4	0	1	C	#	34	27	-	
	Christiansund ...	29.64	38	WSW	6	0	29.87	+ 36	39	35	- 2	SW	3	0	4	0	#	41	36	0.12	
	Skudesnaes ...	29.81	39	ESE	2	C	29.95	+ 25	40	39	+ 2	SE	4	0	3	0.0	#	40	34	#	
	Færder (Christiania Fjord)	29.71	31	H	2	0	29.98	+ 29	30	28	- 3	H	2	0	1	0	#	33	27	-	
	Skagen (The Scaw)	29.76	38	HE	3	r	30.02	+ 29	37	35	- 2	HW	1	0	0	r	#	41	36	0.43	
Fanö ...	29.76	42	W	6	r	30.11	+ 20	39	38	- 3	HW	1	0	0	r	#	43	37	0.28		
BRITISH ISLANDS.	Sumburgh Head	29.71	41	W	3	bc	29.55	+ 05	44	43	+ 5	S	4	0	5	bc	#	44	35	0.31	
	Stornoway ...	29.73	40	SSW	3	0	29.83	- 34	46	46	+ 11	SW	6	0	6	r.q.c. 0	2.3	46	33	0.15	
	Wick ...	29.78	36	S	1	b	29.47	- 15	45	43	+ 10	S	7	0	4	b	#	45	32	-	
	Nairn ...	29.85	38	W	1	C	29.51	- 20	41	39	+ 6	SSW	1	0	1	C	#	44	32	-	
	Aberdeen ...	29.91	38	WSW	2	b	29.68	- 06	43	42	+ 7	S	6	0	5	b.r	6.0	44	34	0.01	
	Leith ...	29.96	39	WSW	2	bc	29.70	- 09	45	42	+ 7	SSW	4	0	#	bc	#	46	36	-	
	Shields ...	30.02	39	WSW	2	b	29.88	+ 06	37	36	- 4	S	4	0	2	b	#	43	35	-	
	Spurn Head ...	30.09	40	W	2	b	30.00	+ 12	36	35	- 7	S	4	0	4	b	#	44	35	-	
	York ...	30.07	39	W	1	b	29.98	+ 07	34	33	- 7	SSW	1	0	#	b	5.5	46	32	-	
	Loughborough ...	30.13	37	WSW	1	b	30.02	+ 09	34	33	- 7	SE	1	0	#	c.b.c.bm	#	46	31	-	
GERMANY & HOLLAND.	Ardrossan ...	29.96	44	S	3	0	29.67	- 18	47	47	+ 5	S	6	0	5	b.0	#	47	41	0.03	
	Malin Head ...	29.84	44	SSW	5	bemp	29.84	- 33	46	45	+ 6	SSW	4	0	3	b.p.r	#	48	39	0.06	
	Belmullet ...	29.82	46	SSW	4	C	29.59	- 37	47	45	+ 5	WSW	5	0	#	bc.c	#	49	40	0.43	
	Donaghadee ...	30.02	38	SSW	3	bc	29.71	- 21	47	45	+ 12	SSW	7	0	5	bc	#	47	35	-	
	Liverpool (Bidston)	30.12	40	SSW	2	b	29.94	- 03	37	35	- 6	SSW	3	0	?	b	#	45	35	-	
	Holyhead ...	30.09	44	SW	3	bc	29.84	- 17	48	45	+ 5	SSW	7	0	5	bc	#	48	40	-	
	Parsonstown ...	29.98	44	S	1	0	29.73	- 32	45	43	+ 9	S	1	0	#	bc.0	3.0	47	35	0.05	
	Valencia ...	29.95	44	S	4	rg	29.72	- 38	47	45	+ 1	SE	3	0	4	bc.g.r	2.5	50	42	0.81	
	Roche's Point ...	30.06	48	SW	4	0	29.78	- 33	46	46	+ 4	W	5	0	5	c.b	#	50	41	0.20	
	Pembroke (St. Ann's Hd.)	30.12	48	W	4	bc	29.90	- 16	48	45	+ 3	SW	6	0	5	bc	6.0	49	44	0.09	
FRANCE & BELGIUM.	Scilly ...	30.15	48	S	1	bcw	29.90	- 17	48	45	- 1	SSW	5	0	5	bc	6.5	51	45	-	
	Prawle Point ...	30.20	40	HW	2	b	29.99	- 09	48	45	+ 6	SE	3	0	2	b	#	52	39	-	
	Jersey (St. Aubin's)	30.19	44	HW	3	bm	30.04	00	47	46	- 4	SE	3	0	3	bm.bw	#	53	36	0.01	
	Hurst Castle ...	30.19	40	HW	1	bm	30.04	+ 04	46	43	- 1	S	3	0	2	b.bm	#	49	36	-	
	Dungeness ...	30.14	42	HW	2	b	30.10	+ 18	44	43	- 5	SE	4	0	3	b	#	49	36	-	
	North Foreland	30.16	41	HW	3	b	30.11	+ 21	43	42	- 6	SE	4	0	3	b	#	50	37	-	
	London (Brixton) ...	30.17	39	HW	2	bm	30.08	+ 13	38	37	- 9	SE	1	0	#	bc.b.bf	3.2	48	31	-	
	Oxford ...	30.19	38	SSW	2	b	30.06	+ 08	34	34	- 11	SE	3	0	#	b	#	48	34	-	
	Cambridge ...	30.16	36	W	1	b	30.08	+ 15	35	35	- 10	S	2	0	#	b	5.4	47	30	-	
	Yarmouth ...	30.08	44	W	3	b	30.09	+ 22	40	38	- 5	SSW	3	0	3	b	#	47	33	0.01	
GERMANY & HOLLAND.	Cuxhaven ...	29.83	41	HW	3	C	30.15	+ 27	37	37	- 6	W	1	0	#	r.c	#	45	36	0.16	
	Berlin ...	29.83	46	HW	4	r	30.10	+ 12	40	37	- 6	HW	5	0	#	r	#	46	39	0.12	
	Wiesbaden ...	#	#	#	#	#	30.26	+ 24	32	32	- 5	SW	1	0	#	#	#	46	32	-	
	Munich ...	30.13	42	W	4	1	30.25	+ 16	39	39	+ 2	SW	1	0	#	r	#	45	37	0.20	
	The Helder ...	30.05	43	HW	3	b	30.15	+ 32	31	31	- 14	SSW	1	0	1	b	#	46	30	0.12	
	Brussels ...	#	#	#	#	#	30.20	+ 25	34	33	- 10	ESE	1	0	#	b	#	46	32	-	
	Cape Gris Nez ...	30.11	45	H	2	b	30.09	+ 18	39	37	- 11	ESE	2	0	2	b	#	52	36	-	
	Paris ...	30.19	46	HW	1	f	30.14	+ 12	31	31	- 7	HE	1	0	#	f	#	47	30	-	
	Brest ...	30.18	47	HE	2	C	29.96	- 08	47	46	- 3	E	3	0	2	C	#	52	37	-	
	Lorient ...	#	#	#	#	#	30.20	+ 25	34	33	- 10	ESE	1	0	#	b	#	46	32	-	
FRANCE & BELGIUM.	Rochefort ...	30.07	52	SE	2	0	30.00	- 02	43	43	- 3	SE	3	0	#	0	#	52	41	0.16	
	Belfort ...	30.16	42	W	3	f	30.14	+ 05	40	40	- 5	E	4	0	#	f	#	49	35	0.24	
	Lyon ...	30.19	44	HW	1	f	30.15	+ 03	41	41	- 1	HE	1	0	#	f	#	46	38	0.04	
	Nice ...	30.13	48	Z	0	T	30.12	- 04	49	49	+ 3	Z	0	0	2	T	#	50	45	0.20	
	Perpignan ...	30.13	51	SW	1	0	30.04	- 08	50	49	+ 1	HE	2	0	#	0	#	54	49	0.12	
	Biarritz ...	30.08	55	H	2	0	29.95	- 09	49	48	- 3	E	3	0	4	0	#	59	48	-	
PENINSULA.	Corunna ...	#	#	#	#	#	30.20	+ 25	34	33	- 10	SE	1	0	#	b	#	46	32	-	
	Lisbon ...	30.03	53	HW	4	b	29.99	- 12	53	50	- 1	H	3	0	#	b	#	57	50	-	
	Azores (P. Delgada)	30.34	60	W	1	0	30.21	+ 05	55	50	- 2	HE	4	0	#	0	#	63	54	0.08	

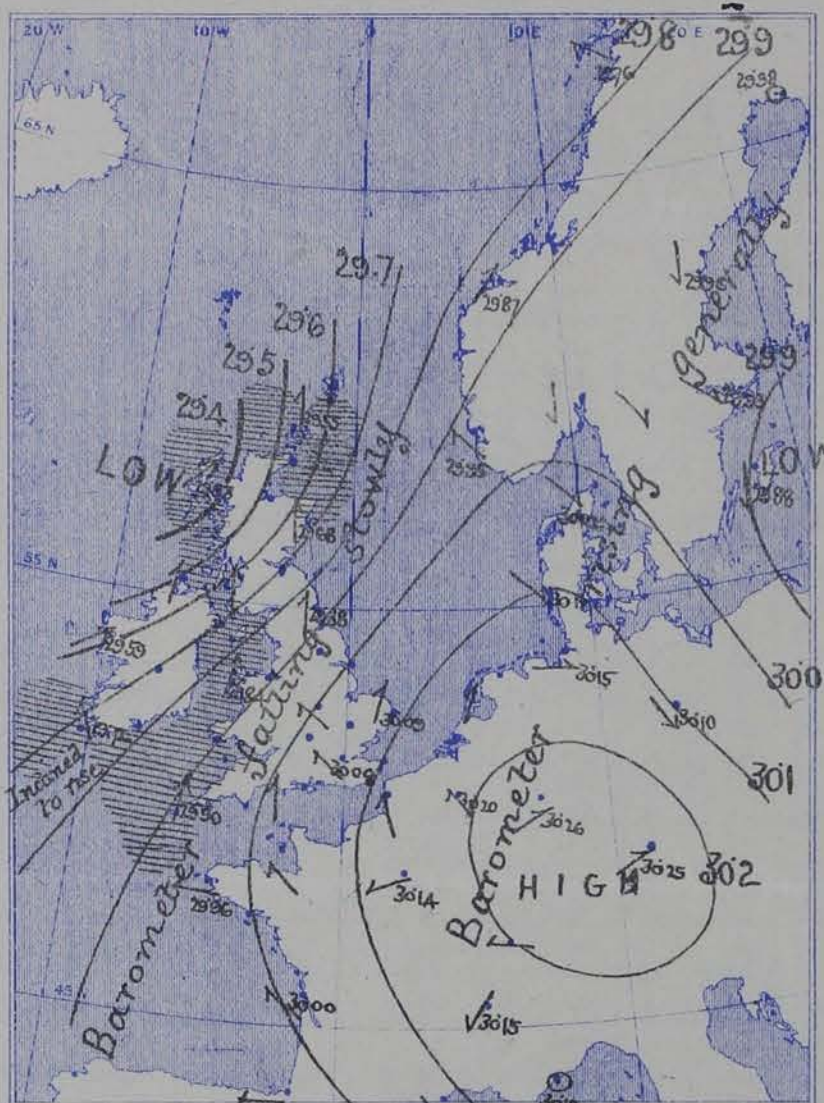
For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

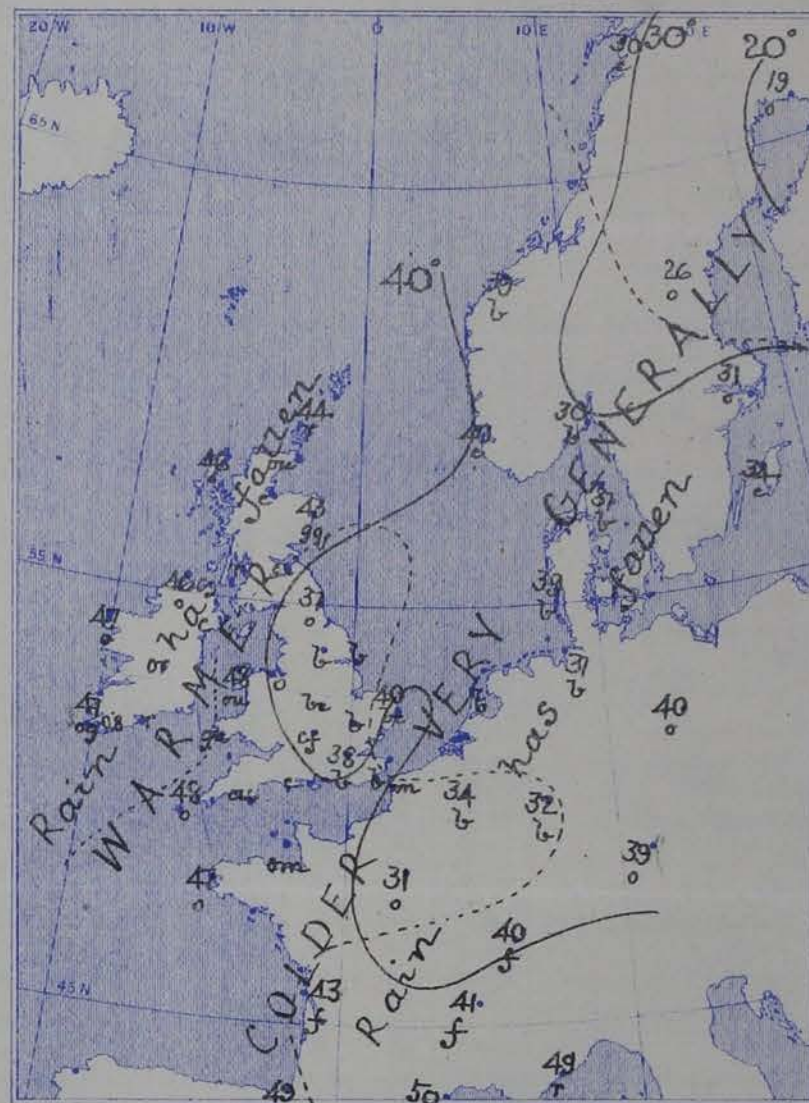
NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport. 4.9 hrs;

FOR Saturday, 8th January, 1898

SEA—Rough ; High 

RAINFALL— $\left\{ \begin{array}{l} \text{A dotted line separates areas where rain has fallen from those} \\ \text{without rain. The fall in past 24 hours when exceeding half} \\ \text{an inch is shown thus—0.6.} \end{array} \right.$



STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866-95.	BRIGHT SUNSHINE. Means, 1881-95.	
		Means of				Absolute Extremes.					Hours	Per cent. of possible
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1881, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Adrossan	29.934	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.932	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 81, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point.	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3	8+
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. and more to 30.0 in. in an anticyclone covering Central Europe, France, and the southeastern part of the North Sea.
Lowest, Below 29.4 in. over the Hebrides.

Gradients rather steep over our northern and extreme northwestern districts, moderate over England, slight over France and Germany.
Barometer falling in most places, but at Valencia (Ireland) the fall has ceased since 5 a.m.

TEMPERATURE

Highest, 49° at Lismore, 48° at Lally, 47° at Jersey and Valencia, 46° at Stromness.

Lowest, (1) 19° at Kaparandor, 21° at Karlsbad, 25° at Helsingfors; (2) 31° at Paris, 34° at Oxford, Loughborough and York.

Sharp frost occurred over the inland parts of England during the night, but the thermometer is now rising decidedly.

WIND

S^W almost all over the kingdom — light to moderate at the English stations, fresh to a moderate gale in the west and extreme north of our Islands.

On the Continent it is light and variable, and for the most part anticyclonic.

WEATHER

Dull, threatening, and rainy at our southern and northwestern stations, fine in the east and over France, foggy or hazy in several places.

The amount of Bright Sunshine recorded yesterday was 5 to 6 hrs. at many of our southern and western stations, and at Aberdeen and Cambridge, and exceeded 3 hrs. even in London (Westminster).

SEA

Rough in the north, rather rough in the west, slight in the south and east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the northwest is passing off quickly, but further disturbances may reach our western shores shortly and will probably cause a renewal of S^W gales on our western coasts, and mild wet weather over England tomorrow.

FORECASTS

For the 24 hours ending at NOON on 9th JAN^y 1898

DISTRICTS.

FORECASTS.

- ↑⁰ SCOTLAND NORTH
- ↑¹ SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

S^W winds, very strong at times;
mild, occasional rain.

S^W winds, freshening, milder,
fair today, rainy tomorrow.

DISTRICTS.

FORECASTS.

- ↑⁶ SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- ↑⁹ IRELAND NORTH
- ↑¹⁰ IRELAND SOUTH

S^W winds, strong, a gale at times;
rainy, unsettled.

WARNINGS

The SOUTH CONE was hoisted last evening in districts 0, 6, 10, and parts of 1 and 9.

Note. — The South Cone, point downwards (↑), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↓), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes	29.68	40	39	ESE	2	0	3	Valencia	30.05	48	44	S	3	ogv	5
Sumburgh Head	29.62	41	38	"	3	bc	4	Scilly	30.16	50	45	NW	1	bc	5
Stornoway	29.76	39	38	"	3	c	3	Jersey	30.17	51	47	NW	4	b	3
Aberdeen	29.85	40	36	WSW	2	b	1	Hurst Castle	30.13	49	45	NW	3	b	2
Shields	29.93	43	40	WSW	3	b	2	Dungeness	30.08	49	46	WSW	3	b	2
Ardrossan	29.93	45	43	W	4	b	3	North Foreland	30.19	47	45	WNW	4	b	3
Malin Head	29.90	44	41	WNW	3	b	3	London (Westminster)	30.09	48	43	WNW	3	b	#
Belmullet	29.95	45	43	SSW	3	bc	#	Yarmouth	30.00	45	42	NW	3	b	3
Holyhead	30.13	44	41	W	3	bc	2	Rocheport	30.07	51	50	SSE	2	0	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning very variable. Foggy over the greater part of Central Europe and France, very fine and bright over Ireland and Scotland, gloomy and damp over the east of England, rainy at several of the Baltic stations, snow at Helsingfors; rain reported at Barcelona and at Florence also. Considerable rain over Ireland later, as well as in Denmark, some parts of Germany and the west of France, but weather improving considerably over England, with haze in places.

Temperatures fallen decidedly over the British Islands, rain over the south of France, north Germany, and the south of Sweden. Morning readings highest 60° at Algiers, 55° at Malta, 54° at Lisbon, 51° at Jersey, 49° at Kelly, 46° at Valencia (Ireland). Lowest 12° at Haparanda and Archangel, 18° at Moscow, 21° at Kharkov, 32° at Vienna, 35° at Stornoway and Narvik, and 36° at Aberdeen. Sharp frost on the ground occurring over England at night, but temperatures rising decidedly over Ireland.

Wind light to moderate generally—anticyclonic over southern, southern, and central Europe, but cyclonic W. over the north of our Islands, SW to S over the Baltic and at Christiansund, E at Riga. Backing to the S. over Ireland the west of Scotland later.

Barometer highest, 30.36 in. in the Azores, 30.2 in. and more over Italy and the Adriatic, and exceeding 30.0 in. over the southwestern half of our Islands and nearly the whole of France, and central and southeastern Europe. Lowest, below 29.5 in. over the Shetlands and off the northwest coast of Norway, and below 29.9 in. in a V-shaped secondary over the southern parts of the North Sea. Falling fast later in the west of Ireland, and fall spreading eastwards and northwards, rising over France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 9th January,

1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.			
				At 32° and M.S.L.	Dry Bulb.		Dir.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.					Dir.	Force (0 to 12.)	Max.	Min.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.	
SCANDINAVIA.	Haparanda ...	30.17	14	Z	0	o	30.27	+ .29	2	1	- 17	SE	2	c	#	o	#	21	?	-	
	Hernösand ...	30.17	23	Z	0	f	30.16	+ .20	30	29	+ 4	S	4	o	#	f	#	30	19	-	
	Stockholm ...	30.21	28	Z	0	o	30.30	+ .37	27	26	- 4	Z	0	f	#	o	#	30	27	-	
	Wisby ...	30.21	33	N	6	v	30.34	+ .46	31	30	- 3	SSW	4	o	#	c	#	34	30	-	
	Karlstad ...	30.18	22	W	2	bc	30.20	+ .23	35	34	+ 14	S	2	c	#	bc	#	#	#	-	
	Bodö ...	29.82	31	E	4	b	29.76	00	30	27	0	E	5	s	2	b	#	32	27	-	
	Christiansund ...	29.70	42	SE	3	o	29.75	- .12	45	41	+ 6	Z	0	c	3	o	#	45	37	-	
	Skudesnaes ...	29.96	43	SSE	4	o	29.99	+ .04	43	43	+ 3	SE	6	o	4	o	#	43	34	#	
	Færder (Christiania Fjord)	30.10	37	S	1	c	30.12	+ .14	39	37	+ 9	SSW	5	o	3	c	#	39	28	-	
	Skagen (The Scaw)	30.17	38	SW	1	b	30.19	+ .17	38	37	+ 1	SSW	2	bc	0	b	#	38	34	-	
Fanö ...	30.18	35	SE	1	b	30.13	+ .02	33	33	- 6	SE	4	c	#	b	#	43	32	-		
	Sumburgh Head	29.48	47	S	4	o	29.62	+ .07	44	41	0	SW	4	o	5	o	#	47	42	0.03	
	Stornoway ...	29.46	47	WSW	5	c	29.69	+ .36	39	38	- 7	W	3	o	3	n.c	0.0	47	37	0.10	
	Wick ...	29.57	45	SW	1	bc	29.70	+ .23	39	38	- 6	SW	3	o	2	bc	#	47	38	-	
	Nairn ...	29.58	43	SSW	4	bc	29.74	+ .23	40	38	- 1	WSW	3	b	1	bc	#	50	37	0.01	
	Aberdeen ...	29.69	45	SSW	3	bc	29.80	+ .12	40	39	- 3	SW	1	og	2	cg. bc	0.0	46	40	-	
	Leith ...	29.74	45	SW	2	o	29.84	+ .14	43	41	- 2	W	2	o	#	o	#	50	41	-	
	Shields ...	29.86	39	Z	0	bm	29.87	- .01	38	38	+ 1	SSW	2	o	2	m. bm	#	45	34	-	
	Spurn Head ...	29.93	41	S	3	c	29.89	- .11	40	39	+ 4	WSW	1	o	3	c	#	43	35	-	
	York ...	29.90	39	S	1	o	29.90	- .08	37	36	+ 3	SSE	1	f	#	o	0.0	39	33	0.01	
	Loughborough ...	29.93	42	SSE	1	o	29.90	- .12	34	33	0	W	1	cm	#	bc. c. om	#	43	34	-	
BRITISH ISLANDS.	Ardrossan ...	29.71	47	S	4	om	29.87	+ .20	44	43	- 3	W	2	c	2	om	#	47	42	0.02	
	Malin Head ...	29.65	45	S	4	ogm	29.88	+ .34	44	42	- 2	W	4	bc	3	ogm	#	46	42	0.01	
	Belmullet ...	29.73	45	WSW	2	o	30.03	+ .44	43	40	- 4	WNW	2	c	#	o	#	48	40	0.03	
	Donaghadee ...	29.76	46	SW	3	c	29.91	+ .20	41	40	- 6	W	3	c	1	c	#	48	40	-	
	Liverpool (Bidston)	29.86	41	SE	3	c	29.90	- .04	41	40	+ 4	S	1	r	?	cm	#	43	37	0.03	
	Holyhead ...	29.80	47	S	4	c	29.88	+ .04	47	45	- 1	NW	3	o	2	c	#	48	40	0.01	
	Parsonstown ...	29.75	44	Z	0	o	30.00	+ .27	33	33	- 12	Z	0	b	#	o	0.0	47	33	-	
	Valencia ...	29.76	46	Z	0	om	30.04	+ .32	42	39	- 5	N	3	bc	5	om	0.0	49	41	0.05	
	Roche's Point ...	29.77	45	SSW	1	r	30.00	+ .22	43	41	- 3	NW	4	bc	4	r	#	48	41	0.20	
	Pembroke (St. Ann's Hd)	29.79	47	SSE	4	r	29.88	- .02	45	44	- 3	E	3	rg	3	r	0.1	48	44	0.70	
	Scilly ...	29.73	50	SSW	1	or	29.83	- .07	50	48	+ 2	N	5	c	5	o. or	0.8	53	45	-	
	Prawle Point ...	29.80	48	SE	4	r	29.85	- .14	47	45	- 1	ENE	3	o	2	or. o	#	48	45	0.15	
	Jersey (St. Aubin's)	29.83	48	SSE	4	rgm	29.85	- .19	47	46	0	ESE	3	om	3	og	#	49	45	0.03	
	Hurst Castle ...	29.88	46	ESE	3	o	29.87	- .17	43	41	- 3	NE	2	om	2	o	#	50	42	-	
	Dungeness ...	29.94	44	SSE	3	bc	29.85	- .25	44	43	0	SSE	1	o	0	b. bc	#	47	41	-	
	North Foreland	29.98	42	SSE	3	o	29.87	- .24	39	38	- 4	SW	3	o	2	o	#	45	37	-	
	London (Brixton) ...	29.94	44	SSE	2	om	29.87	- .21	40	39	+ 2	NW	1	fg	#	om	0.3	46	37	-	
	Oxford ...	29.91	43	ESE	2	o	29.89	- .17	37	36	+ 3	NNE	1	f	#	bc. o	#	46	34	-	
	Cambridge ...	29.96	42	SE	1	o	29.89	- .19	37	37	+ 2	ESE	1	f	#	o	#	45	34	0.01	
	Yarmouth ...	29.97	42	SSE	4	b	29.87	- .22	41	40	+ 1	SE	2	bc	3	b	#	43	38	-	
GERMANY & HOLLAND.	Cuxhaven ...	30.19	36	Z	0	b	30.09	- .06	33	33	- 4	SE	4	o	#	b	#	41	32	-	
	Berlin ...	30.24	37	W	1	b	30.27	+ .17	31	30	- 9	E	3	o	#	b	#	48	28	-	
	Wiesbaden ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
	Munich ...	30.12	34	E	3	b	30.02	- .23	31	31	- 8	E	3	f	#	b	#	41	28	-	
	The Helder ...	30.07	35	SE	2	b	?	0.8	36	33	+ 5	SE	1	c	1	b	#	43	30	-	
	Brussels ...	#	#	#	#	#	29.91	- .29	39	38	+ 5	SE	3	o	#	c	#	41	33	-	
	Cape Gris Nez ...	29.91	39	SE	1	m	29.84	- .25	40	37	+ 1	SSW	1	m	1	m	#	50	34	-	
	Paris ...	29.94	41	ENE	2	o	29.85	- .29	45	45	+ 14	ESE	2	o	#	o	#	45	31	0.04	
	Brest ...	29.73	48	ESE	4	r	29.78	- .18	48	47	+ 1	NE	3	o	4	r	#	48	42	0.20	
	Lorient ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
FRANCE & BELGIUM.	Rochefort ...	29.82	47	SE	3	m	29.74	- .26	47	46	+ 4	ESE	2	m	#	m	#	48	39	-	
	Belfort ...	30.03	40	E	5	m	29.96	- .18	34	?	- 6	E	4	f	#	m	#	42	34	?	
	Lyons ...	29.99	44	S	1	r	29.94	- .21	41	41	0	NNW	1	f	#	r	#	46	36	0.04	
	Nice ...	30.04	50	ENE	2	o	29.97	- .15	50	48	+ 1	ENE	7	o	4	o	#	54	47	0.75	
	Perpignan ...	29.88	53	SE	1	r	29.76	- .28	50	50	0	SW	1	o	#	r	#	55	48	1.74	
	Biarritz ...	29.74	50	E	3	r	29.68	- .27	51	49	+ 2	S	3	o	5	r	#	54	48	-	
	Corunna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
	Lisbon ...	29.92	52	SSW	5	c	29.97	- .02	46	44	- 7	NNW	1	r	#	c	#	59	45	0.24	
	Azores (P. Delgada)	30.48	55	N	1	o	30.49	+ .08	53	50	- 2	NNW	3	o	2	o	#	61	52	-	
	PENIN- SULA.																				

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport 2.4 hrs;

WEATHER CHARTS

FOR

Sunday 9th January,

1898

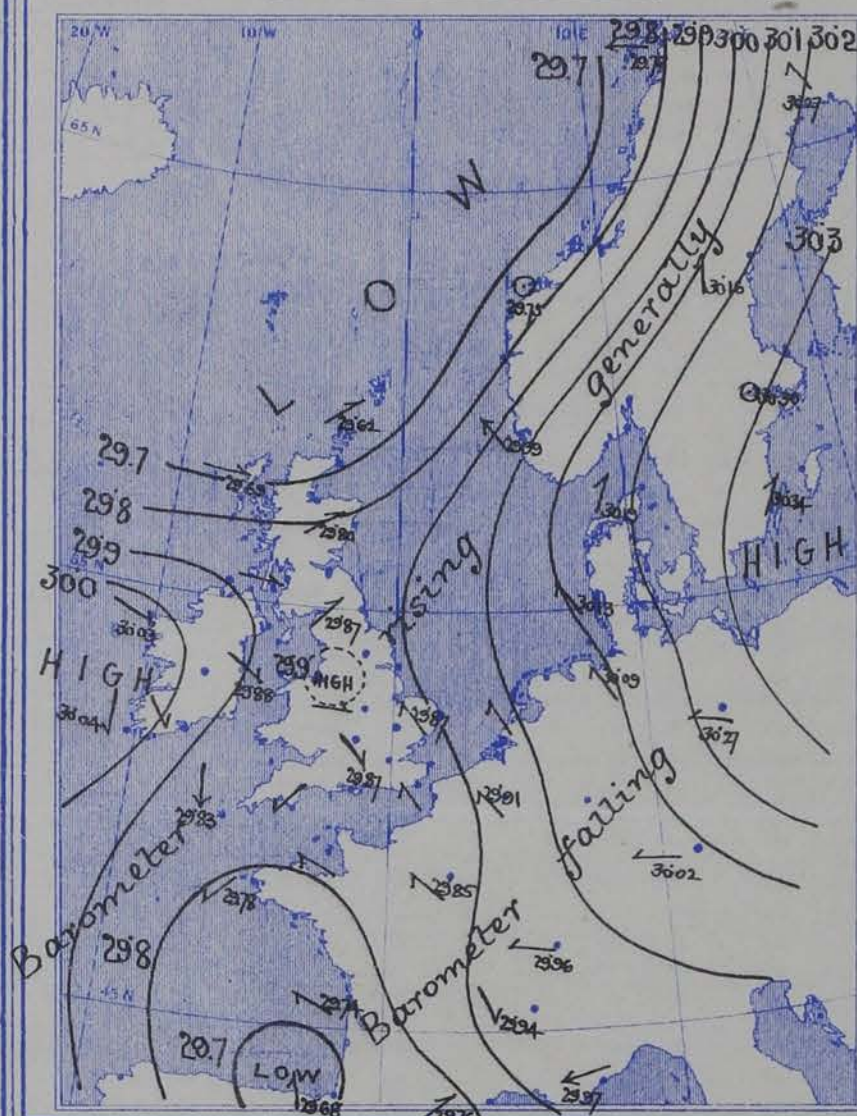
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ : Force 5 to 7 →→→ : } Calm ○
Force 8 to 10 →→→ : Force 1 to 4 →→→ :

SEA—Rough ≡≡≡ : High ≡≡≡

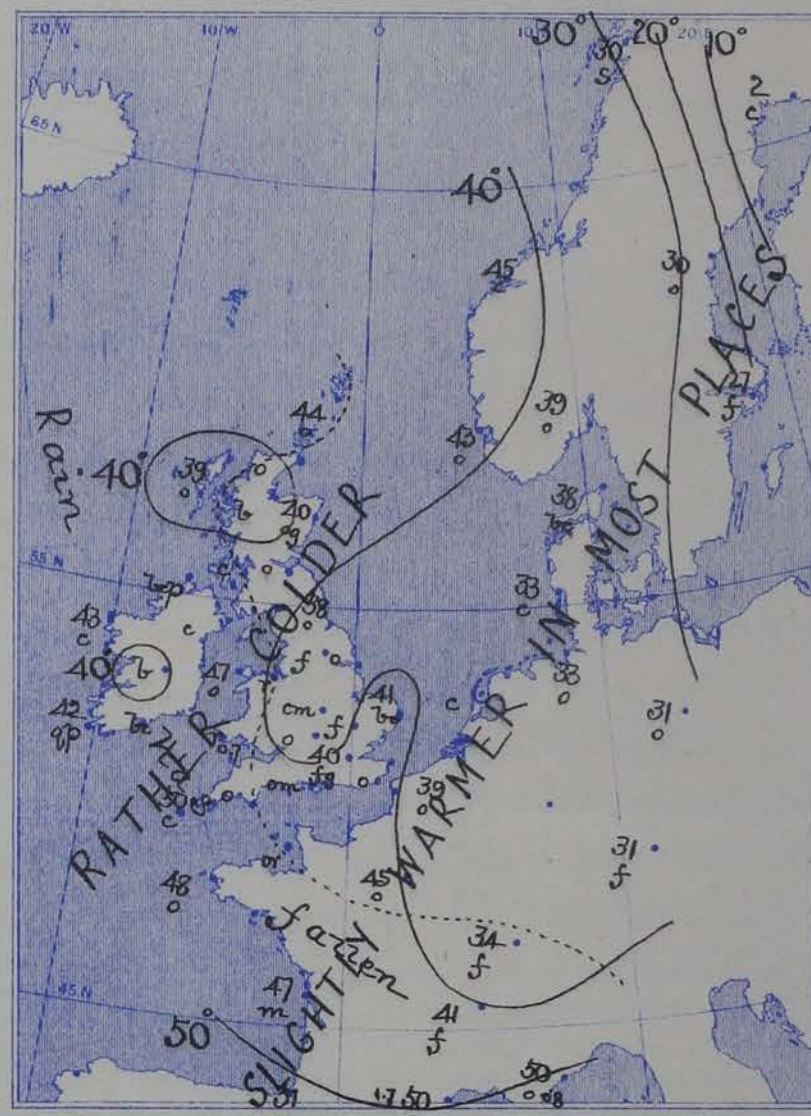


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866-95.	BRIGHT SUNSHINE. Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	—	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1881, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.932	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3†	8†
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest (1) 30.3 ins. to 29.9 ins. in an anticyclone stretching from Russia and the Baltic to Denmark and the North Sea; (2) 30.49 ins. over the Azores, and exceeding 29.9 ins. all over Ireland and the southwest of Portugal.

Lowest 29.7 ins. over the N. of Scotland and off the NW. of Norway, also in a depression lying over the NE. of Spain. Gradients moderate to rather steep over Scotland and Scandinavia, moderate to slight elsewhere. Barometer rising in Ireland and Scotland and also over the Baltic & E. shores of the North Sea.

TEMPERATURE

Highest 50° to 51° on the southern and southwestern coasts of France, 50° at Seilly, 47° at Jersey and Rochefort, 45° at Paris.

Lowest 2° F. at Haparanda, 27° at Stockholm, 30° at Bodø and Henningsand, 31° at Berlin and Munich; 37° to 40° over central England.

WIND

(1) Light to moderate from between SE. and S. over the countries lying to the eastward of the North Sea; (2) W. to N. on our own western coasts, NE. to E. over the Bay of Biscay.

(3) SW. in the north of Scotland; (4) very light and variable over England. The SW. gales felt in the west and north yesterday have quite died down.

WEATHER

Fair in Ireland, very dull and gloomy as a whole elsewhere, especially over England, France and S. Germany, where much fog prevailed.

Some rain had fallen at our N. and W. stations (much at Pembroke) and large quantities in the S. of France. Bright Sunshine recorded yesterday was 2.4 hrs. at Southport, 1.3 hrs. at Cambridge, 0.3 hr. in London, 0.1 hr. at Pembroke — none at the other stations.

SEA

Rather rough on our extreme SW. and N. coasts, slight to smooth in the E. and SE.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 10TH JANUARY 1898

DISTRICTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

FORECASTS.

NONE ISSUED

DISTRICTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

FORECASTS.

NONE ISSUED

WARNINGS

At 7.15 pm. yesterday to districts 0, 6, 10 and parts of 1 and 9. Lower Cone.

Note. — The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone. The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes	29.95	41	40	SSE	8	o	5	Valencia	29.71	48	46	WSW	1	om	4
Sumburgh Head	29.44	46	45	S	4	o	5	Scilly	29.78	50	47	SSW	4	"	5
Stornoway	29.37	47	45	WSW	6	r	6	Jersey	29.89	48	47	SE	4	o	3
Aberdeen	29.62	46	43	SSW	7	ca	6	Hurst Castle	29.92	48	47	SSW	2	og	1
Shields	29.83	44	42	L	0	m	2	Dungeness	29.99	46	44	S	3	b	3
Ardrossan	29.68	47	44	S	5	om	4	North Foreland	30.00	43	42	SSE	3	b	3
Malin Head	29.59	46	44	S	4	ogm	3	London (Westminster)	29.97	48	43	S	3	o	3
Belmullet	29.62	47	45	WSW	2	o	#	Yarmouth	30.01	43	41	S	3	b	3
Holyhead	29.80	47	45	S	6	sc	5	Rocheport	29.90	46	44	SE	3	m	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fine and bright over France and the greater part of England, as well as over Denmark and Scandinavia, dull and unsettled over Scotland, dull and rainy over Ireland, very unsettled over W^m Russia, Poland and E^m Germany, with rain in many places, snow at St. Petersburg. Rain falling later both at our NW^m and W^m stations and in the W. and S. of France - heavily at Pembroke, very heavily at Perpignan and Nice.

Temperature risen quickly over Ireland and Scotland, fallen over England and France, changed fitfully elsewhere. Morning readings highest 59° at Algiers, 56° at Malta, 53° at Lisbon, 48° at Scilly, Pembroke and Pwllheli Pt., 46° at Malin H. and Stornoway. Lowest (1) -13° at Archangel, +18° at Ulesborg, 21° at Karlstad; (2) 24° at Kharkov, 29° at Kiev and Odessa; (3) 31° at the Helder. 34° over central England. Rising later to between 40° and 48° over England, to between 50° and 55° in the south of France, and to 59° at Lisbon.

Wind light and anticyclonic over the Mediterranean, France and W^m and S^m Germany; S. to SW^m over the British Islands, and blowing hard on our W. and NW. coasts, SE^m in the west of Norway. A well defined, but complex cyclonic system prevailing over western Russia, the Baltic provinces and N^m and E^m Germany - gales on several parts of the Baltic coasts. Falling light over Ireland, Wales and Scotland later.

Barometer highest (1) 30.2 ins. and more to 30.0 ins. in an anticyclone covering the Mediterranean, France, the Netherlands and the E^m shores of the North Sea, and exceeding 29.9 ins. in a col stretching northwards over Sweden; (2) exceeding 30.1 ins. over the north of Russia. Lowest. Below 29.4 ins. in a depression off our extreme NW. coasts, and below 29.6 ins. in a complex system over the Baltic Provinces. The former system travelling northwards later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday 10th January,

1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)											PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.		Rainfall.		
				At 32° and M.S.L.	Dry Bulb.		Dir.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.					Dir.	Force (0 to 12.)		Max.	Min.
Ins.		°				Ins.	Ins.	°	°	°								°	°	Ins.		
SCANDINAVIA.	Haparanda ...	30.02	15	SSE	4	S	29.61	-.66	32	32	+ 30	SW	6	S	#	S	#	32	-2	0.16		
	Hernösand ...	29.93	34	SW	6	O	29.78	-.38	33	32	+ 3	S	4	O	#	O	#	34	21	-		
	Stockholm ...	30.22	33	S	2	O	30.12	-.18	34	33	+ 7	SW	2	O	#	O	#	34	25	-		
	Wisby ...	30.31	33	SSW	4	O	30.17	-.17	34	33	+ 3	S	4	O	#	O	#	34	28	-		
	Karlstad ...	30.10	33	S	4	O	30.00	-.20	33	33	- 2	S	2	O	#	O.S	#	#	#	-		
	Bodö ...	29.59	33	E	6	S	29.36	-.40	37	35	+ 7	SW	5	O	3	S	#	37	27	0.20		
	Christiansund ...	29.71	43	WSW	5	C	29.65	-.10	41	39	- 4	WSW	7	T	4	C	#	45	37	0.08		
	Skudesnaes ...	29.89	41	SSE	6	T	29.97	-.02	41	39	- 2	Z	0	C	3	T	#	43	36	#		
	Færder (Christiania Fjord)	30.02	39	S	5	O	29.97	-.15	37	37	- 2	SW	4	C	3	O	#	39	36	0.04		
	Skagen (The Scaw)																					
Fanø ...	30.00	33	SE	2	S	30.04	-.09	36	36	+ 3	Z	0	O	#	S	#	36	33	0.04			
BRITISH ISLANDS.	Sumburgh Head	29.65	43	W	4	O	29.73	+ .11	44	43	0	SW	3	T	5	O	#	45	42	0.10		
	Stornoway ...	29.82	41	W	4	b	29.73	+ .04	47	46	+ 8	WSW	4	O	4	b	#	47	36	0.13		
	Wick ...	29.76	39	NW	3	b	29.76	+ .06	43	42	+ 4	S	3	C	2	b	#	43	36	-		
	Nairn ...	29.87	38	Z	0	b	29.86	+ .12	44	41	+ 4	SW	3	C	2	b	#	45	35	-		
	Ardeer ...	29.91	36	SW	2	b	29.95	+ .15	39	37	- 1	SW	4	C	2	b	#	42	30	-		
	Leith ...	29.96	42	WSW	2	b	30.03	+ .19	42	40	- 1	WSW	3	O	#	b	#	46	38	-		
	Shields ...	29.99	40	WSW	2	b	30.11	+ .24	38	37	0	SW	3	C	2	b	#	44	34	-		
	Spurn Head ...	29.99	42	NW	3	O	30.17	+ .28	38	36	- 2	W	3	C	3	O	#	43	37	-		
	York ...	30.01	40	WNW	1	O	30.20	+ .30	33	33	- 4	S	1	f	#	O	#	40	30	-		
	Loughborough ...	30.02	40	WNW	1	O	30.21	+ .31	30	30	- 4	ESE	1	f	#	O	#	41	30	0.01		
GERMANY & HOLLAND.	Ardrossan ...	29.99	45	W	2	b	30.06	+ .19	45	45	+ 1	S	4	O	3	b	#	47	42	-		
	Malin Head ...	29.99	44	W	4	b	29.98	+ .10	45	44	+ 1	WSW	3	O	3	O	#	46	42	0.05		
	Belmullet ...	30.09	44	W	3	O	30.07	+ .04	48	47	+ 5	WSW	3	O	#	O	#	48	40	0.02		
	Donaghadee ...	30.05	38	WNW	3	b	30.13	+ .22	39	38	- 2	SW	4	b	2	b	#	46	36	-		
	Liverpool (Bidston)	30.06	42	NW	2	b	30.19	+ .29	39	36	- 2	WSW	3	b	2	r.b	#	44	37	0.09		
	Holyhead ...	30.06	46	NW	3	b	30.19	+ .31	42	41	- 5	WSW	2	C	2	p.b	#	47	40	0.01		
	Parsonstown ...	30.02	38	SW	1	b	30.19	+ .19	40	38	+ 7	S	1	C	#	b	#	44	32	-		
	Valencia ...	30.18	46	WNW	3	b	30.24	+ .20	47	45	+ 5	SSE	2	C	4	b	#	48	41	0.01		
	Roche's Point ...	30.17	44	NW	1	b	30.26	+ .26	42	41	- 1	SE	1	b	2	b	#	47	38	-		
	Pembroke (St. Ann's Hd.)	30.09	43	NE	3	b	30.25	+ .37	44	41	- 1	NW	2	b	2	b	#	46	40	0.05		
FRANCE & BELGIUM.	Scilly ...	30.03	50	N	5	O	30.26	+ .43	50	47	0	NNW	3	b	4	O	#	51	46	0.01		
	Prawle Point ...	30.04	46	NE	2	C	30.25	+ .40	37	36	- 10	N	2	b	1	C	#	48	36	-		
	Jersey (St. Aubin's)	29.99	48	NNE	3	O	30.21	+ .36	48	46	+ 1	NW	3	O	3	O	#	48	45	0.06		
	Hurst Castle ...	30.02	42	NE	1	b	30.22	+ .35	40	39	- 3	NE	1	O	1	b	#	47	37	-		
	Dungeness ...	29.96	43	NNW	1	O	30.15	+ .30	41	41	- 3	NNW	2	m	1	O	#	45	40	0.01		
	North Foreland	29.98	44	NNW	3	O	30.17	+ .30	45	44	+ 6	NNW	4	O	3	m	#	45	37	0.01		
	London (Brixton) ...	30.00	40	NW	1	O	30.21	+ .34	39	37	- 1	NNE	1	f	#	O	#	42	38	-		
	Oxford ...	30.08	35	Z	0	O	30.25	+ .36	34	34	- 3	N	3	f	#	O	#	42	34	-		
	Cambridge ...	30.01	39	NNW	1	m	30.22	+ .33	32	32	- 5	N	1	O	#	m	#	41	31	-		
	Yarmouth ...	29.93	42	NW	1	T	30.15	+ .18	38	37	- 3	NW	2	b	3	m	#	43	36	0.02		
PENIN- SULA.	Cuxhaven ...	30.00	32	SE	3	b	30.04	-.05	35	35	+ 2	SW	2	m	#	b	#	36	30	-		
	Berlin ...	30.15	31	E	3	b	30.10	-.17	33	32	+ 2	SE	2	O	#	b	#	36	30	-		
	Wiesbaden ...	#	#	#	#	#	30.15		35	35		E	1	O	#	#	#	37	35	0.16		
	Munich ...	30.06	32	Z	0	O	30.18	+ .16	32	32	+ 1	SW	3	O	#	O	#	32	28	-		
	The Helder ...																					
	Brussels ...	#	#	#	#	#	30.13	+ .22	39	39	0	NE	2	T	#	O	#	48	37	0.16		
	Cape Gris Nez ...	29.93	36	ESE	1	m	30.09	+ .25	45	43	+ 5	E	1	m	1	m	#	48	37	0.04		
	Paris ...	29.97	47	E	1	O	30.08	+ .23	44	44	- 1	N	2	f	#	O	#	52	44	0.04		
	Brest ...	29.99	48	NE	4	b	30.17	+ .39	47	46	- 1	NNE	2	O	3	b	#	50	39	0.12		
	Lorient ...																					
PENIN- SULA.	Rochefort ...	29.89	50	E	1	b	30.10	+ .36	45	?	- 2	NE	1	m	#	b	#	55	43	-		
	Belfort ...	30.02	35	E	4	m	30.15	+ .19	34	34	0	Z	0	m	#	m	#	41	34	-		
	Lyons ...	30.03	44	NE	1	T	30.16	+ .32	42	42	+ 1	S	1	C	#	T	#	50	41	0.08		
	Nice ...	30.01	51	E	6	O	30.15	+ .18	49	46	- 1	Z	0	O	3	O	#	54	46	0.20		
	Perpignan ...	29.93	54	Z	0	O	30.12	+ .26	50	49	0	NW	1	O	#	O	#	60	47	-		
	Biarritz ...	29.87	55	E	2	O	30.11	+ .43	51	49	0	SSW	2	b	5	O	#	57	50	0.08		
PENIN- SULA.	Corunna ...																					
	Lisbon ...	29.89	49	ESE	3	T	30.18	+ .21	45	44	- 1	NNE	4	b	#	T	#	50	45	0.28		
	Azores (P. Delgada)	30.54	52	NNE	3	O	30.53	+ .04	54	49	+ 1	SSE	2	O	2	O	#	63	52	-		

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport 0.0 hrs;

WEATHER CHARTS

FOR *Monday, 10th January, 1898*

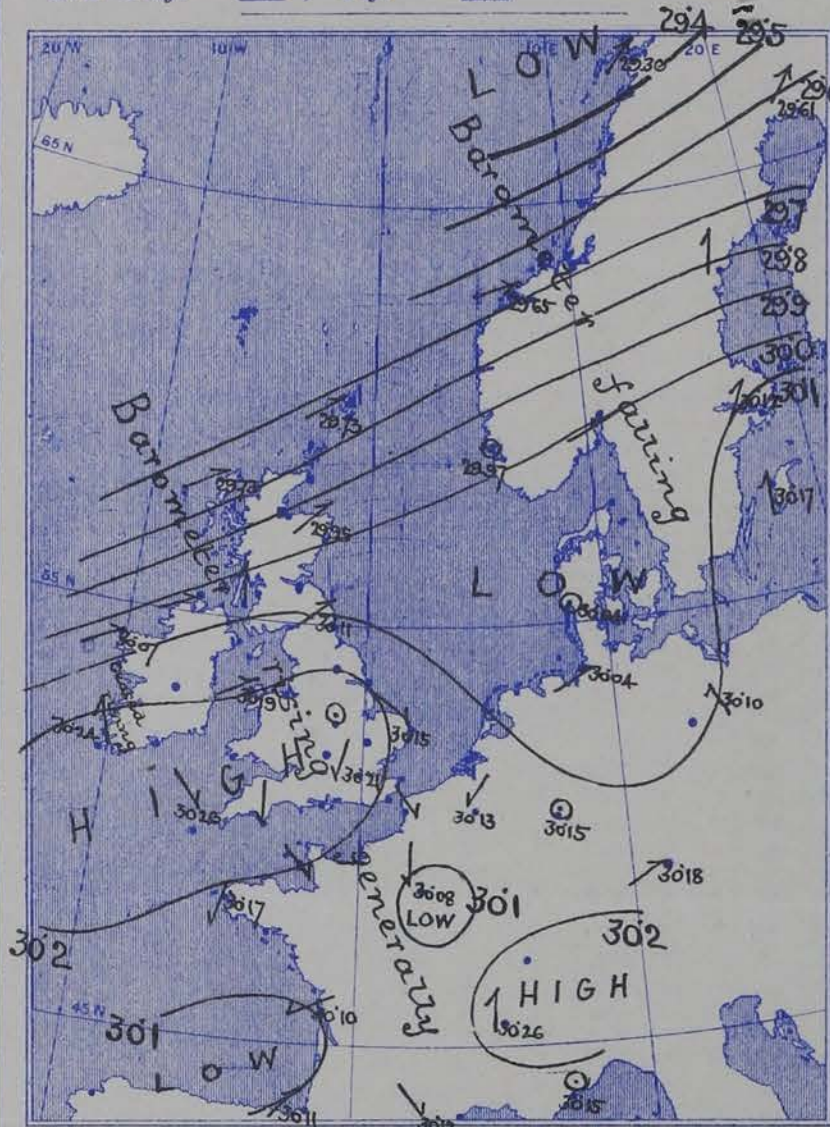
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 \rightarrow ; Force 5 to 7 \rightarrow ; } Calm \odot
Force 8 to 10 \rightarrow ; Force 1 to 4 \rightarrow ; }

SEA—Rough \equiv ; High \equiv



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



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		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
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Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.932	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3†	8†
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.965	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 in. and more to 30.1 in. in a complex anticyclone covering Ireland, England and France.
Lowest Below 29.4 in. over Finmark, and below 29.8 in. over the Shetlands and Hebrides.
Gradients moderate over the northern parts of our Islands, slight in the south and over France.
Barometer still rising over our Islands as a whole - most in the east and south.

TEMPERATURE

Highest 51° at Biarritz, 50° at Perpignan and at Saile, 48° at Belmullet, 47° at Stornoway.
Lowest (1) 32° at Haparanda, 33° at Karlstad, 34° at Stockholm, (2) 32° at Munich, 33° at Berlin, (3) 30° at Loughborough, 32° at Cambridge, 34° at Exford.
 It had risen over Ireland and Scotland since yesterday, fallen over England.

WIND

(1) SW² over the northern parts of our area, - moderate in force at the Scotch stations, strong on the northwest coast of Norway.
 (2) Light S² and SW² breezes prevailed over Ireland; varying anticyclonic air over England and France.

WEATHER

Fair over France, England and Ireland, but foggy or hazy in many places; clearer in Scotland, but showery in some localities.
 Slight rain has fallen sporadically in our Islands, and more generally on the Continent - snow over Scandinavia. Bright Sunshine recorded yesterday amounted to about 6 hrs at the Irish stations, 2.2 hrs. at Stornoway, and 0.8 hrs. at Aberdeen. At none of the English stations was there any.

SEA

Moderate in the extreme SW. and N., slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The S² wind in Ireland and the SW² winds in Scotland seems likely to freshen and to spread over England shortly, with milder weather. Rain is likely over Ireland and Scotland.

FORECASTS

For the 24 hours ending at NOON on 11TH JANUARY 1898

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

SW² winds, strong, squally, with rain, milder.

W² and SW² breezes, moderate, fair, milder.

Same as No. 5.

Same as No. 1 and 2.

N² to W² breezes, foggy at first, rather cold today, milder tomorrow.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH



Same as No. 0.

NW² to SW² breezes, fair, milder.

S² breezes, freshening, milder, some rain at the western stations.

None issued.

WARNINGS

Note.—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes	29.94	42	40	SSE	6	0	5	Valencia							
Sumburgh Head								Scilly							
Stornoway	29.75	44	41	W	3	6	3	Jersey	29.89	48	47	NE	2	0	3
Aberdeen								Hurst Castle							
Shields								Dungeness	29.89	44	43	N	1	0	0
Ardrossan								North Foreland	29.91	43	42	SW	1	m	1
Malin Head	29.93	45	43	W	4	c	3	London (Westminster)							#
Belmullet	30.04	47	42	W	2	6c	#	Yarmouth							
Holyhead								Rocheport	29.79	53	52	ESE	2	6c	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Continental information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 2ND TO 8TH JANUARY 1898

The week opened with anticyclonic conditions of a complex character lying over our Islands generally. Temperature was not very low; wet mists were prevalent, and in some places considerable rain fell, especially at our western and south-western stations.

Between Tuesday and Thursday depressions travelled from SW. to NE. along our west and north-west coasts, and brought about strong SWth winds, a great rise in temperature, heavy rains at our Wth stations, and smaller quantities in all other parts of the Kingdom. The maximum temperatures registered on Wednesday exceeded 50° all over England and Ireland, and touched 54° in many places.

On Friday morning there was a temporary interruption of these conditions; the thermometer fell somewhat, and rain became slight. On Saturday, however, a new disturbance appeared in the far west, causing a recovery of temperature and much rain in Ireland, but at the close of the week this was passing off, and quiet foggy weather was beginning to spread over St. Britain from the Continent.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday, 11th January, 1898.

1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	TEMP.				
				At 82° and M.S.L.	Dry Bulb.		Dir.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.				Dir.	Force (0 to 12.)	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°						°	°	Ins.		
SCANDINAVIA.	Haparanda ...	29.62	28	WSW	4	b	29.60	- .01	32	32	0	SW	6	0	#	b	#	32	12	0.12	
	Hernösand ...	29.82	24	Z	0	b	29.73	- .05	24	23	- 9	Z	0	0	#	b	#	34	23	-	
	Stockholm ...	30.02	33	S	2	0	29.93	- .19	35	34	+ 1	SSW	2	0	#	0	#	36	30	-	
	Wisby ...	30.10	35	SSW	4	0	30.07	- .10	34	33	0	SSW	4	0	#	0	#	36	30	-	
	Karlstad ...	29.99	36	SW	2	c	29.82	- .18	38	37	+ 5	SW	4	0	#	c	#	#	#	-	
	Bodö ...	29.46	37	SW	6	r	29.54	+ .18	38	35	+ 1	WSW	6	0	3	r	#	39	32	0.63	
	Christiansund ...	29.58	45	SW	3	0	29.69	+ .04	41	40	0	WSW	3	r	4	0	#	45	39	0.28	
	Skudesnaes ...	29.91	44	S	4	0	29.96	- .01	42	40	+ 1	WNW	5	c	3	0	#	43	37	#	
	Færder (Christiania Fjord)	29.96	36	WSW	4	b	29.82	- .15	40	39	+ 3	WSW	4	0	3	b	#	40	36	-	
	Skagen (The Scaw)	30.06	35	WSW	2	b	29.94	- .12	40	40	0	W	3	0	0	b	#	41	32	0.04	
Fanö ...	30.17	38	SSW	2	b	30.13	+ .09	42	42	+ 6	SW	4	r	#	b	#	43	36	0.08		
BRITISH ISLANDS.	Sumburgh Head	29.66	45	SW	4	c	29.96	+ .23	40	39	- 4	Z	0	0	3	0.c	#	46	38	0.18	
	Stornoway ...	29.86	44	W	3	bc	29.95	+ .22	44	43	- 3	SSW	3	0	4	c.bc	#	47	38	0.08	
	Wick ...	29.88	42	W	3	bc	30.00	+ .24	43	42	0	SW	2	0	1	bc	#	47	37	0.02	
	Nairn ...	29.91	45	WSW	3	c	30.05	+ .19	41	40	- 3	Z	0	0	1	c	#	47	40	0.05	
	Aberdeen ...	29.92	44	SSW	5	crg	30.12	+ .17	42	39	+ 3	SW	3	c	2	c.crg	#	45	36	0.01	
	Leith ...	30.00	45	WSW	3	0	30.15	+ .12	47	46	+ 5	WSW	2	r	#	0	#	48	41	-	
	Shields ...	30.07	46	SW	3	bm	30.23	+ .12	48	47	+ 10	SW	3	0	2	cm, bm	#	48	36	-	
	Spurn Head ...	30.19	39	SW	3	b	30.30	+ .13	42	40	+ 4	WSW	3	0	3	b.w	#	43	38	-	
	York ...	30.18	39	SSW	1	b	30.31	+ .11	44	43	+ 11	SW	1	0	#	f.b	#	44	32	-	
	Loughborough ...	30.26	35	ESE	1	b	30.37	+ .16	43	41	+ 13	W	2	0	#	f.c.op.c	#	43	29	0.01	
GERMANY & HOLLAND.	Ardrossan ...	30.05	47	SSW	4	0	30.14	+ .08	47	47	+ 2	SSW	3	0	2	0	#	48	44	0.01	
	Malin Head ...	30.04	45	WSW	3	0	30.05	+ .07	47	47	+ 2	SSW	5	c	3	0.0	#	48	45	0.05	
	Belmullet ...	30.17	49	WSW	3	0	30.10	+ .03	49	48	+ 1	S	2	0	#	0.0	#	50	45	0.32	
	Donaghadee ...	30.13	46	WSW	3	0	30.20	+ .07	46	45	+ 7	SW	4	c	1	c	#	47	36	0.01	
	Liverpool (Bidston)	30.23	44	SW	2	0	30.33	+ .14	45	43	+ 6	SSW	2	0	1	0	#	46	38	-	
	Holyhead ...	30.20	48	SW	4	0	30.29	+ .10	48	46	+ 6	SW	3	c	2	0.0	#	48	41	-	
	Parsonstown ...	30.19	45	S	1	c	30.22	+ .03	48	47	+ 8	SE	1	0	#	c	#	48	39	-	
	Valencia ...	30.23	49	S	2	c	30.23	- .01	50	50	+ 3	S	2	r	4	c	#	51	45	0.10	
	Roche's Point ...	30.27	48	WSW	3	c	30.28	+ .02	49	49	+ 7	SSW	5	r	4	c	#	51	42	0.10	
	Pembroke (St. Ann's Hd.)	30.28	46	W	2	c	30.37	+ .12	48	46	+ 4	SW	4	b	3	c	#	48	41	-	
FRANCE & BELGIUM.	Scilly ...	30.31	48	WSW	2	b	30.38	+ .12	50	46	0	SSW	3	c	4	b.c.b	#	51	44	-	
	Prawle Point ...	30.35	39	N	2	b	30.45	+ .20	47	47	+ 10	SW	3	c	2	b	#	52	36	-	
	Jersey (St. Aubin's)	30.32	46	NNW	3	bm	30.49	+ .28	34	33	- 14	NNW	3	bm	3	st.c.bm	#	49	32	0.01	
	Hurst Castle ...	30.30	38	NNE	1	b	30.46	+ .24	40	39	0	NNW	1	ogm	1	bm	#	46	32	-	
	Dungeness ...	30.26	39	NNW	2	0	30.45	+ .30	33	32	- 8	WNW	2	c	1	0.f	#	45	28	-	
	North Foreland	30.29	39	NNW	2	b	30.44	+ .27	38	37	- 7	W	2	c	2	0.b.f	#	45	33	-	
	London (Brixton) ...	30.30	32	Z	0	bf	30.44	+ .23	35	34	- 4	NN	1	0	#	gf.bf	#	40	29	-	
	Oxford ...	30.34	30	Z	0	f	30.44	+ .19	39	38	+ 5	WSW	1	af	#	af	#	39	30	-	
	Cambridge ...	30.30	33	SW	1	f	30.41	+ .19	39	38	+ 7	SW	2	0	#	b.f	#	44	30	-	
	Yarmouth ...	30.22	38	WNW	2	bm	30.36	+ .21	37	36	- 1	WSW	2	bef	3	bm, bm	#	41	30	0.01	
GERMANY & HOLLAND.	Cuxhaven ...	30.17	37	Z	0	f	30.25	+ .21	34	32	- 1	SW	2	b	#	f	#	41	30	-	
	Berlin ...	30.22	35	NN	2	0	30.34	+ .24	33	33	0	WNW	2	f	#	0	#	36	32	-	
	Wiesbaden ...	#	#	#	#	#	30.41	+ .26	38	38	+ 3	E	1	0	#	#	#	41	35	0.20	
	Munich ...	30.25	33	E	2	0	30.39	+ .21	37	37	+ 5	W	3	r	#	0	#	45	32	-	
	The Helder ...	30.22	40	NN	1	b	30.32	+ .21	43	42	0	WSW	2	0	1	b	#	45	36	-	
	Brussels ...	#	#	#	#	#	30.50	+ .37	32	32	- 7	SSW	1	f	#	f	#	42	32	0.08	
	Cape Gris Nez ...	30.19	44	E	3	m	30.38	+ .29	42	40	- 3	WNW	2	bc	2	m	#	46	37	-	
	Paris ...	30.25	43	N	4	0	30.47	+ .39	36	36	- 8	N	2	f	#	0	#	45	35	0.04	
	Brest ...	30.34	42	N	1	b	30.45	+ .28	42	39	- 5	E	1	b	2	b	#	?	39	-	
	Lorient ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
FRANCE & BELGIUM.	Rochefort ...	30.20	47	N	3	m	30.33	+ .23	45	43	0	E	4	0	#	m	#	50	43	-	
	Belfort ...	30.21	45	W	3	r	30.37	+ .22	43	43	+ 9	SSW	2	f	#	r	#	51	34	0.24	
	Lyons ...	30.24	48	NNW	1	0	30.40	+ .14	46	46	+ 4	N	1	0	#	0	#	54	42	0.20	
	Nice ...	30.23	49	Z	0	0	30.33	+ .18	46	44	- 3	E	1	0	2	0	#	52	46	-	
	Perpignan ...	30.25	52	Z	0	0	30.34	+ .22	52	48	+ 2	NNW	1	0	#	0	#	57	48	-	
	Biarritz ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
PENIN- SULA.	Corunna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
	Lisbon ...	30.27	50	N	4	bc	30.25	+ .07	50	44	+ 5	NNE	5	b	#	bc	#	55	45	-	
	Azores (P. Delgada)	30.50	57	SSE	4	0	30.45	- .08	56	53	+ 2	SSE	4	c	3	0	#	59	54	-	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport 1.44 hrs;

WEATHER CHARTS

FOR Tuesday, 11th January, 1898

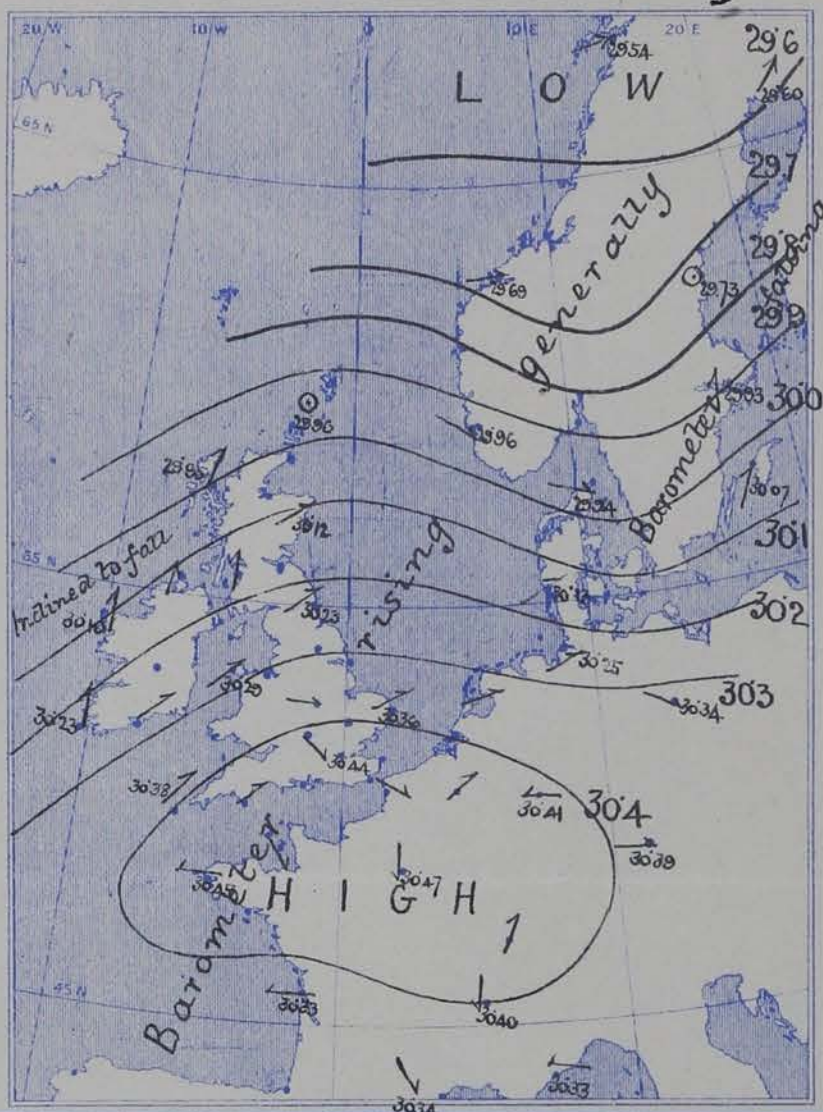
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 → : Force 5 to 7 → : }
Force 8 to 10 → : Force 1 to 4 → : } Calm ○

SEA—Rough ≡ : High ≡

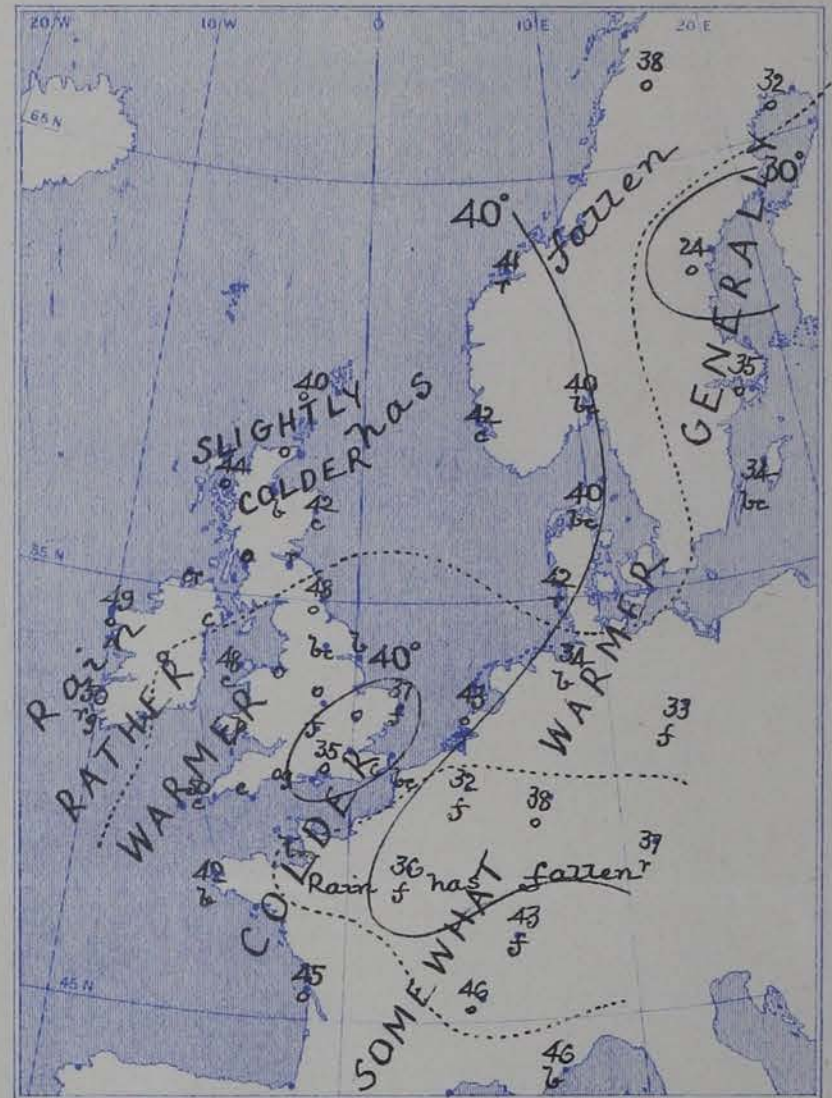


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours	Per cent. of possible
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Seilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3†	8†
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.966	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and upwards in the central portion of an anticyclone lying over the S. of England, Belgium, W. Germany and all the more northern parts of France.

Lowest 29.6 ins. and less over the north of Scandinavia.

Gradients moderate over the northern parts of our area, but slight in the south.

Barometer falling in Sweden and Denmark, and inclined to fall in the extreme NW. of our Islands, but rising elsewhere.

TEMPERATURE

Highest (1) 52° at Perpignan, and 50° at Lisbon; (2) 50° at Valencia (Ireland) and Sallee, and 49° at Belmullet and Rosbeg, Pt.

Lowest (1) 24° at Hemsand, 23° at Gode, and 34° at Whiby; (2) 32° at Brussels, and 33° at Berlin; (3) 33° at Dungeness, and 34° at Jersey.

Frost occurred last night over central and S. parts of England, in London the thermometer fell to 29° in the screen, and to 22° on the grass.

S. or S.W. over the greater part of our islands and fresh in force at some of the western stations; S.W. or W. over Scandinavia, Denmark and N. Germany.

WIND

Light from the NW. in the southeast of England, from the N. over central France, and from the E. in the west and south of that country.

WEATHER

Cloudy or dull over W. Europe as a whole, with fog or mist in several parts of England, France and Germany.

Rain was falling in the S. of Ireland, as well as at Leith, Christiansund, Farsö and Munich.

A little rain fell yesterday at many of our W. and N. stations; and sleet or snow at Jersey. Lunar halos were seen at Stromway and Nain.

SEA

Moderate on our SW. coasts, and also at Stromway, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any important change in the weather.

FORECASTS

For the 24 hours ending at NOON on 12TH JANUARY 1898

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

SW. winds, freshening, dull, some rain.

SW. winds, moderate or fresh, fair at first, cloudy later, with rain locally.

W. and SW. winds, light, cloudy, mist or fog locally.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

S. and SW. winds, fresh or strong, dull, some rain.

S. winds, moderate, cloudy, some rain.

Same as No. 6.

None issued.

WARNINGS

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes	29.99	43	42	SSW	4	bc	3	Valencia	30.20	50	48	S	3	c	4
Sumburgh Head	29.65	46	45	SW	3	o	4	Scilly	30.29	50	46	W	1	bc	4
Stornoway	29.79	47	46	W	3	c	3	Jersey	30.26	48	46	NNW	3	c	3
Aberdeen	29.91	43	41	SW	2	c	2	Hurst Castle	30.26	45	42	Z	0	bm	0
Shields	30.11	42	40	SW	3	cm	2	Dungeness	30.21	44	42	NNW	2	o	1
Ardrossan	30.03	48	48	SSW	4	o	3	North Foreland	30.25	43	42	NNW	3	o	3
Malin Head	29.98	47	47	SW	3	o	3	London (Westminster)	30.24	45	40	Z	0	ogm	#
Belmullet	30.12	50	49	WSW	4	om	*	Yarmouth	30.20	41	40	WNW	2	bcm	3
Holyhead	30.22	48	44	SW	4	bc	3	Rochefort	30.16	49	47	NNW	3	m	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fair over the greater part of our islands and France, but foggy over the E.^m and central parts of England, and showery on our extreme NW coasts. Cloudy or dull in most of the Continental countries, with fog over the N.^m and central parts of France, and rain at Christiansund, Brussels and Athens. A little rain falling later at many of our own W.^m and N.^m stations, and sleet at Jersey. Larger quantities of rain reported in many isolated parts of the Continent. Lunar halo seen in the N. of Scotland at night.

Temperature changed very irregularly. Morning readings highest 60° at Malta, 58° at Algiers, and 56° at Sanguinaires; above 50° at most of the Mediterranean stations. Lowest -8° at Moscow, -1° at Archangel, +4° at St. Petersburg, and 21° at Kuopio, below the freezing point in most parts of Russia and Austria, and also in some parts of central England. Remaining below 45° all day at most of our E.^m and central stations, but exceeding 50° on our SW coasts, as well as in the W. and S. of France, and touching 57° at Perpignan. Frost occurring over the central and southern parts of England at night.

Wind S.² or SW.² over all the more northern parts of our islands and the Continent, light to moderate in force generally, but fresh or strong at some of the Scandinavian and Baltic stations. Light from the N.^m (NW. to NE) over the south of England, the Netherlands, and the northern parts of France, variable in the south of France, N.² or NW.² in Italy, NE.² over the Spanish peninsula. No important change occurring during day.

Barometer highest 30.5 ins. and upwards in the extreme N. of Russia, 30.2 ins. and upwards in an anticyclone lying over the E.^m parts of the Continent generally, and also in another system over the S.^m parts of England and Ireland. Lowest 29.4 ins. and less in a depression off the NW. of Norway; gradients rather steep over the N.^m parts of our islands and the Continent. Anticyclone over our islands subsequently increasing both in size and height, and barometer rising in most parts of W.^m Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on

Wednesday, 12th January,

1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.		Rainfall.	
				At 32° and M.S.L.	Dry Bulb.		Direc.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.					Direc.	Force (0 to 12.)		Max.
		Inch.	°				Inch.	Inch.	°	°	°							°	°	Inch.	
SCANDINAVIA.	Haparanda ...	29.75	17	SW	2	f	29.94	+ .34	3	2	- 29	Z	0	b	#	f	#	32	?	-	
	Hernösand ...	29.88	19	Z	0	f	30.06	+ .33	17	17	- 7	Z	0	b	#	b	#	27	16	-	
	Stockholm ...	29.90	36	WSW	2	o	30.16	+ .23	29	27	- 6	N	2	?	#	o	#	37	29	0.08	
	Wishby ...	29.96	39	WSW	4	o	30.19	+ .12	35	34	+ 1	WNW	4	o	#	o	#	39	32	0.24	
	Karlstad ...	29.99	32	N	2	b	30.16	+ .34	26	25	- 12	Z	0	bc	#	b	#	#	#	-	
	Bodö ...	29.88	35	HW	4	b	29.82	+ .28	30	28	- 8	ESE	4	bc	1	bc	#	38	30	-	
	Christiansund ...	30.05	37	SW	4	r	29.73	+ .04	39	37	- 2	SSW	4	r	5	r	#	41	36	0.16	
	Skudesnaes ...	30.15	42	S	2	o	30.03	+ .07	43	42	+ 1	SSW	4	r	3	c.o	#	43	36	#	
	Færder (Christiania Fjord)	30.02	38	WSW	3	b	30.13	+ .31	38	36	- 2	SSE	1	o	2	b	#	40	34	-	
	Skagen (The Scaw)	30.10	40	HW	4	b	30.19	+ .25	41	41	+ 1	SW	1	r	0	b	#	43	36	0.04	
Fanö ...	30.29	42	WSW	2	o	30.31	+ .18	43	43	+ 1	WSW	4	r	#	o	#	43	41	-		
	Sumburgh Head	29.87	45	S	3	r	29.94	- .02	46	44	+ 6	N	4	c	5	or	#	47	40	0.42	
	Stornoway ...	29.83	50	SW	4	r	30.12	+ .17	41	40	- 3	N	2	b	3	or	0.0	51	38	0.40	
	Wick ...	29.80	46	S	2	r	30.12	+ .12	43	42	0	N	3	bc	2	r	#	50	40	0.15	
	Nairn ...	29.95	52	N	4	c	30.16	+ .11	47	45	+ 6	N	1	b	0	c	#	53	38	-	
	Aberdeen ...	30.04	48	SW	4	oggy	30.20	+ .08	48	45	+ 6	N	2	og	2	oggy	0.8	53	42	0.06	
	Leith ...	30.11	48	WSW	3	o	30.25	+ .10	51	50	+ 4	N	3	o	#	o	#	52	45	-	
	Shields ...	30.21	50	SSW	2	o	30.32	+ .09	51	49	+ 3	WSW	3	c	2	c.o	#	51	46	-	
	Spurn Head ...	30.37	44	SSW	3	o	30.42	+ .12	45	44	+ 3	WSW	3	ew	3	c.o	#	46	42	-	
	York ...	30.31	47	SSW	2	o	30.41	+ .10	47	46	+ 3	S	1	bc	#	o	0.0	47	43	-	
	Loughborough ...	30.41	45	SSW	2	o	30.47	+ .10	46	45	+ 3	SSW	2	o	#	o.c.o.c	#	48	42	-	
BRITISH ISLANDS.	Ardrossan ...	30.14	48	S	3	o	30.26	+ .12	49	49	+ 2	N	3	o	2	o	#	49	47	0.03	
	Malin Head ...	30.05	50	SSW	5	c.u	30.32	+ .27	48	47	+ 1	SW	1	og	1	o.c.u	#	50	47	0.14	
	Belmullet ...	30.13	52	WSW	5	bc	30.38	+ .28	48	47	- 1	WNW	2	og	#	bc	#	52	45	0.06	
	Donaghadee ...	30.20	50	WSW	4	c	30.32	+ .12	50	49	+ 4	WSW	4	c	2	c	#	51	43	-	
	Liverpool (Bidston)	30.34	48	SW	3	c	30.42	+ .09	50	47	+ 5	SSW	3	o	2	c	#	51	45	-	
	Holyhead ...	30.32	49	SW	5	g.d.m	30.42	+ .13	50	48	+ 2	SW	4	ogm	3	og.d.m	#	50	46	0.10	
	Parsonstown ...	30.26	53	SW	1	o	30.41	+ .19	50	49	+ 2	SW	1	o	#	o.d	0.0	53	47	0.03	
	Valencia ...	30.30	53	SSW	3	o	30.44	+ .21	52	50	+ 2	S	3	ogm	4	om	0.0	54	49	0.03	
	Roche's Point ...	30.35	51	WSW	4	rm	30.50	+ .22	50	49	+ 1	N	2	c	3	rm	#	52	48	0.05	
	Pembroke (St. Ann's Hd.)	30.38	49	WSW	5	o	30.51	+ .14	50	50	+ 2	WSW	4	og	4	o	0.5	50	46	0.03	
	Scilly ...	30.43	51	SSW	4	o	30.52	+ .14	51	50	+ 1	SSW	3	om	4	c.o	2.0	53	46	0.02	
	Prawle Point ...	30.51	47	WSW	2	c	30.57	+ .12	48	47	+ 1	WSW	3	c	2	c	#	48	40	-	
	Jersey (St. Aubin's)	30.56	39	WNW	1	bw	30.63	+ .14	40	39	+ 6	SE	1	om	1	b.b.w	#	52	32	0.01	
	Hurst Castle ...	30.50	48	WSW	3	o	30.58	+ .12	48	46	+ 8	SW	2	o	2	o	#	48	39	-	
	Dungeness ...	30.52	44	N	2	c	30.58	+ .13	45	44	+ 12	SW	3	c	2	c	#	47	32	-	
	North Foreland	30.44	41	SW	2	bc	30.58	+ .14	43	40	+ 5	SSW	2	c	2	c.bc	#	45	38	-	
GERMANY & HOLLAND.	London (Brixton) ...	30.45	44	WSW	2	c	30.57	+ .13	45	43	+ 10	WSW	2	o	#	c.o	0.1	46	34	-	
	Oxford ...	30.50	45	SW	2	o	30.55	+ .11	46	45	+ 7	SW	3	o	#	o	#	48	38	-	
	Cambridge ...	30.48	43	SW	1	o	30.52	+ .11	45	44	+ 6	SSW	4	o	#	c.o	1.3	49	37	-	
	Yarmouth ...	30.41	42	WSW	3	bc	30.48	+ .12	43	42	+ 6	WSW	3	bc	3	bc.b.w	#	43	35	-	
	Cuxhaven ...	30.32	41	SW	4	o	30.42	+ .17	41	40	+ 7	SW	3	o	#	o	#	43	34	-	
	Berlin ...	30.42	37	N	2	o	30.50	+ .16	41	40	+ 8	WNW	4	o	#	o	#	41	33	-	
	Wiesbaden ...	#	#	#	#	#	30.67	+ .26	28	28	- 10	WNW	1	o	#	#	#	43	28	-	
	Munich ...	30.54	39	Z	0	o	30.67	+ .28	34	34	- 3	E	1	f	#	o	#	43	34	0.04	
	The Helder ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	-	
	FRANCE & BELGIUM.	Brussels ...	#	#	#	#	#	30.67	+ .17	29	29	- 3	Z	0	f	#	f	#	40	29	-
Cape Gris Nez ...		30.46	46	N	1	o	30.51	+ .13	39	38	- 3	SSW	4	f	4	o	#	46	34	-	
Paris ...		30.59	37	Z	0	o	30.66	+ .19	36	35	0	E	1	o	#	o	#	39	34	-	
Brest ...		30.53	47	SE	1	b	30.57	+ .12	42	41	0	SE	1	b	1	b	#	48	36	-	
Lorient ...		#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	-	
	Rocheport ...	30.48	45	ENE	4	o	30.51	+ .18	42	41	- 3	ENE	5	b	#	o	#	46	39	-	
	Belfort ...	30.50	40	E	3	f	30.63	+ .26	36	36	- 7	E	3	f	#	f	#	47	36	-	
	Lyons ...	30.52	45	WNW	1	o	30.63	+ .23	41	41	- 5	N	1	o	#	o	#	50	41	-	
	Nice ...	30.39	48	E	3	b	30.48	+ .15	48	41	+ 2	E	1	b	2	b	#	57	45	-	
	Perpignan ...	30.42	52	HW	1	o	30.47	+ .13	60	46	- 2	HW	1	o	#	o	#	55	48	-	
	Biarritz ...	30.41	49	ENE	3	o	30.43	#	45	44	#	NE	2	o	2	o	#	54	45	0.08	
PENIN- SULA.	Corunna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	-	
	Lisbon ...	30.25	52	NNE	5	b	30.22	- .03	49	44	- 1	NNE	5	b	#	b	#	57	46	-	
	Azores (P. Delgada)	30.45	58	SSE	4	o	30.40	- .05	57	51	+ 1	SSE	4	o	3	o	#	61	55	-	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport. 0.8 hrs.

WEATHER CHARTS

FOR Wednesday 12th January, 1898

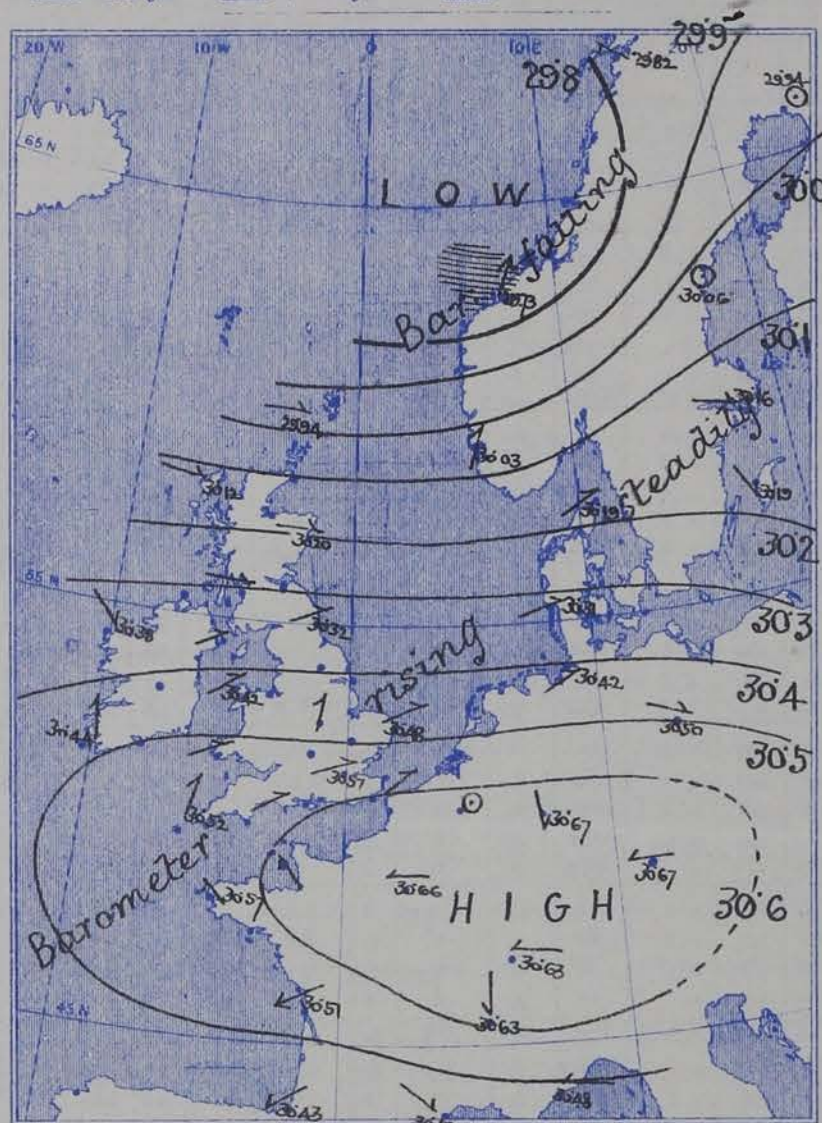
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 → : Force 5 to 7 → : } Calm ☉
Force 8 to 10 → : Force 1 to 4 → :

SEA—Rough ≡ : High ≡

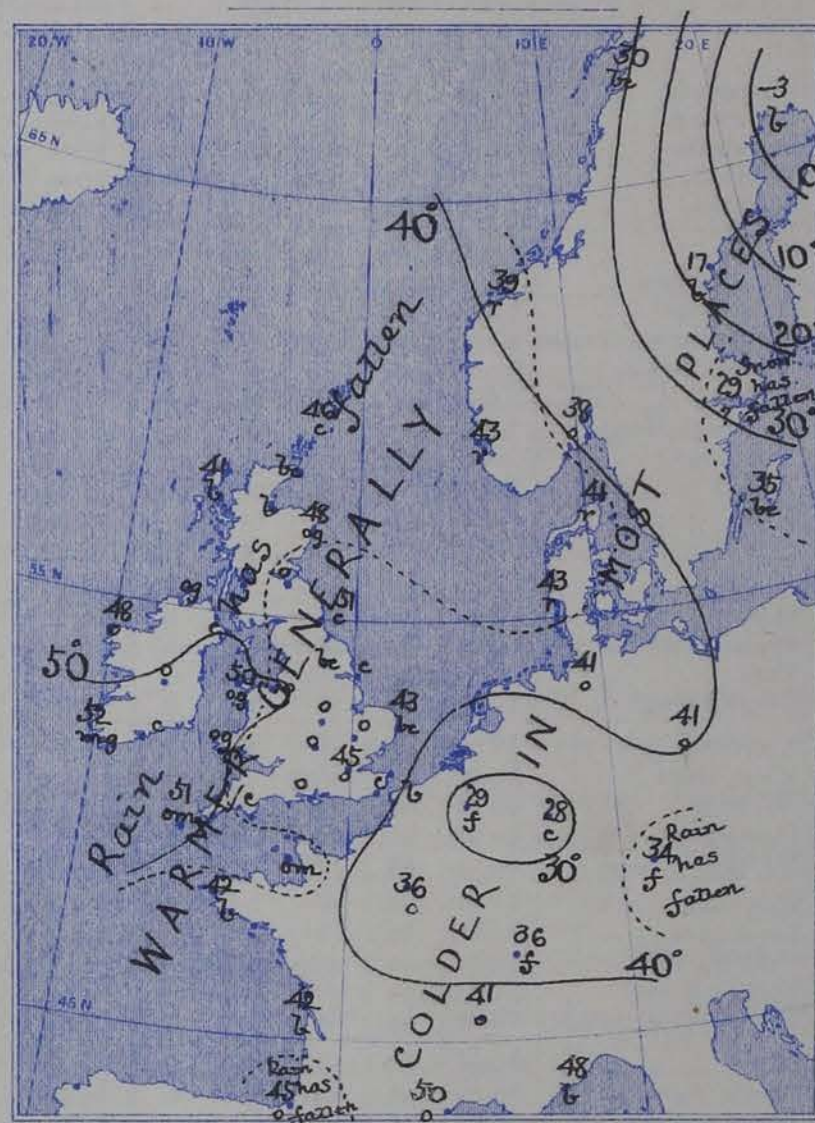


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866--95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)									(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	— 4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	5.48	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	—	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3†	8†
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.6 in: and upwards, in the central portion of an anticyclone lying over South Germany, the northern and central part of France and the eastern part of the English Channel.
Lowest, 29.8 in: and less, in a large but somewhat shallow depression lying off the west of Norway.
Gradients slight generally. Barometer rising at all but the Norwegian stations.

TEMPERATURE

Highest, 52° at Valencia (Ireland), 51° at Liff, Shields, and Liff, and 50° at Donaghadee, Holyhead, Liverpool, Portsmouth, Rochester, and Cambridge.
Lowest, (1) 3° at Haparanda, 17° at Helsingfors and 26° at Lander; (2) 28° at Wiesbaden and 29° at Munich; lowest in our Islands 41° at Lornoway.
During yesterday the thermometer rose to 50° and upwards at most of our western and northern stations, and to 54° at Valencia (Ireland).

WIND

SW or W over northern Europe as a whole; light or moderate in force generally, but blowing a moderate gale at Christiansund; calm over the Gulf of Bothnia.
E over the greater part of France and also at Munich.

WEATHER

Cloudy or dull over Northern Europe generally, with mist at several of our own western stations, and fog at Belfast and Munich. Rain is falling in some parts of our north and east coast, as well as at the Swedish stations.
Rain fell yesterday in the west and extreme north of our Islands, the amount being slight as a rule, but rather large at Lornoway and Haparanda. A lunar halo was seen at Haparanda.

SEA

Rather rough at Christiansund and Lornoway Head, and moderate on our southwest coast, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any important change in the weather.

FORECASTS

For the 24 hours ending at NOON on 13TH JAN^Y 1898

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

W^{ly} winds, light or moderate; fair generally.
SW^{ly} winds, light; fair generally.
SW^{ly} winds, light; cloudy, mist or fog locally.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

Same as No 0 and 1
SW^{ly} winds, moderate; dull, misty in places.
S^{ly} and SW^{ly} winds, moderate; cloudy, slight rain locally.

WARNINGS

None issued.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Direc.						Dry.	Wet.	Direc.			
Skudesnaes ...	30.09	43	40	HW	4	c	3	Valencia ...	30.27	54	53	S	2	om	4
Sumburgh Head	29.95	45	44	S	1	o	3	Scilly ...	30.41	51	48	SSW	4	c	4
Stornoway ...	29.85	49	48	SW	4	r	4	Jersey ...	30.52	49	45	SE	1	b	1
Aberdeen ...	30.07	45	43	SSW	2	og	2	Hurst Castle ...	30.49	48	44	SW	2	o	1
Shields ...	30.22	51	48	SW	3	c	2	Dungeness ...	30.46	45	42	WSW	3	c	2
Ardrossan ...	30.13	47	47	S	4	o	3	North Foreland	30.48	45	42	WSW	2	c	2
Malin Head ...	30.04	49	49	S	5	o	3	London (Westminster)	30.46	49	44	W	2	c	#
Belmullet ...	30.17	51	51	WSW	3	om	*	Yarmouth ...	30.38	43	41	WSW	2	bc	3
Holyhead ...	30.30	50	48	SW	5	ogm	4	Rochefort ...	30.39	46	45	SE	4	o	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with fog or mist in several places, and rain in the south of Ireland, as well as over Poland and South Germany, and at Christiansund and Faro. Fine at some stations in the south of Scandinavia, as well as in some parts of Spain and the south of France. A little rain falling later in the west of our Islands generally, and larger quantities in the Shetlands and Hebrides.

Temperature risen in most countries, but fallen in many parts of France, Italy and Greece. Morning readings highest 60° at San Fernando and Malta, 58° at Capri, and 57° at Algiers, La Calle, Tunis and Ispah; above 50° at the Mediterranean stations generally, and just touching that point at Valencia (Ireland) and Scilly. Lowest, -4° at Moscow, +14° at Archangel, 18° at Kharkov, and 20° at Hermannstadt, below the freezing point in most parts of Eastern Europe, and very little above it in the Channel Islands. Rising during day to 50° upwards in the west and north of our Islands generally; exceeding 55° in Spain and the south of France.

Wind SW over our Islands and the northern parts of the Continent generally, light or moderate in force in most places, but strong at Bodo and Hakaranda; calm or variable over Austria and the south of Russia. Light from between E. and N. in France, fresh from the N. or NE. over the Spanish Peninsula, variable in Italy. No important change occurring during day.

Barometer highest 30.6 in: and upwards over the Black Sea and the south of Russia; 30.4 in: and upwards over France, western Germany, and the south of England; 30.2 in: and upwards, in an anticyclone covering all but the northern parts of our Islands and the Continent. Lowest 29.6 in: and less, over the north of Scandinavia, 30.0 in: and less, over Morocco. Large but somewhat shallow depression appearing later to the northward of Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (bazy); 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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday 13th January,

1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.		Rainfall.	
				At 32° and M.S.L.	Dry Bulb.		Dir.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.					Dir.	Force (0 to 12.)		Max.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.	
SCANDINAVIA.	Haparanda ...	29.71	28	SW	6	S	29.78	- .16	23	22	+ 20	W	4	c	#	S	#	28	-4	0.08	
	Hernösand ...	29.93	30	Z	0	b	30.17	+ .11	37	36	+ 20	S	2	b	#	b	#	37	16	0.04	
	Stockholm ...	30.08	35	W	2	r	30.42	+ .26	33	31	+ 4	W	2	b	#	r	#	37	28	0.12	
	Wishby ...	30.15	39	WSW	4	r	30.46	+ .27	37	36	+ 2	NNW	6	b	#	r	#	39	32	0.12	
	Karlstad ...	30.17	35	SW	2	b	30.47	+ .31	32	31	+ 6	W	2	b	#	b	#	#	#	-	
	Bodö ...	29.59	41	SW	6	o	29.62	- .20	43	41	+ 13	SW	9	r	6	o	#	43	30	0.16	
	Christiansund ...	30.05	42	WSW	4	r	30.12	+ .39	46	39	+ 7	W	8	c	6	r	#	46	39	0.24	
	Skudesnaes ...	30.40	43	Z	0	b	30.52	+ .49	41	41	- 2	SSE	4	f	3	c, b	#	48	36	#	
	Færder (Christiania Fjord)	30.21	39	WNW	4	b	30.50	+ .37	37	36	- 1	SW	2	o	3	b	#	39	37	-	
	Skagen (The Scaw)	30.28	43	WNW	3	b	30.56	+ .37	39	37	- 2	NW	1	b	0	b	#	45	37	0.04	
Fanö ...	30.49	43	W	4	o	30.65	+ .34	42	42	- 1	Z	0	m	#	o	#	45	37	-		
	Sumburgh Head	30.29	45	W	3	c	30.17	+ .23	45	44	- 1	SW	3	o	4	c	#	47	42	0.01	
	Stornoway ...	30.34	43	WSW	3	b	30.15	+ .03	50	49	+ 9	SW	5	og	5	b	#	50	38	0.04	
	Wick ...	30.38	45	W	2	b	30.20	+ .08	46	45	+ 3	S	2	b	#	b	#	47	37	-	
	Nairn ...	30.43	40	W	1	b	30.28	+ .12	50	47	+ 3	W	3	b	#	b	#	50	35	-	
	Aberdeen ...	30.47	40	SW	1	b	30.39	+ .19	42	42	- 5	SW	3	b	#	c, b	#	50	33	-	
	Leith ...	30.47	46	W	1	m	30.43	+ .18	50	48	- 1	SSW	2	o	#	m	#	52	34	-	
	Shields ...	30.52	50	Z	0	o	30.53	+ .21	45	44	- 6	SW	1	c	#	o	#	52	41	-	
	Spurn Head ...	30.54	46	W	4	o	30.59	+ .17	44	43	- 1	S	2	c	#	o, m	#	49	43	-	
	York ...	30.53	51	WSW	1	o	30.57	+ .16	45	44	- 2	SSW	1	b	#	o	#	52	44	-	
	Loughborough ...	30.57	48	WSW	1	o	30.62	+ .15	38	37	- 8	SE	1	f	#	c, b, o, f	#	54	36	-	
BRITISH ISLANDS.	Ardrossan ...	30.49	43	NE	1	b	30.42	+ .16	48	48	- 1	S	3	c	#	b, m, b	#	50	47	-	
	Malin Head ...	30.44	44	S	2	b	30.36	+ .04	46	45	- 2	SSW	3	og	#	b	#	49	42	-	
	Belmullet ...	30.43	48	SSE	1	b	30.37	- .01	49	48	+ 1	SW	4	o	#	b, b	#	50	45	0.03	
	Donaghadee ...	30.51	47	SW	2	b	30.48	+ .16	46	45	- 4	SW	4	c	#	b	#	51	45	-	
	Liverpool (Bidston)	30.54	49	WSW	1	o	30.66	+ .14	45	43	- 5	SSE	1	b	#	o, m, d	#	51	45	-	
	Holyhead ...	30.55	50	SW	1	d	30.55	+ .13	48	47	- 2	S	2	om	#	g, d, d	#	51	47	0.01	
	Parsonstown ...	30.51	50	S	1	o	30.50	+ .09	45	44	- 5	SE	1	c	#	c, o, d, o	#	52	45	-	
	Valencia ...	30.50	51	SSE	2	o	30.47	+ .03	49	47	- 3	S	3	o	#	o	#	53	47	0.02	
	Roche's Point ...	30.53	51	WSW	2	o	30.52	+ .02	50	48	0	SSW	4	c	#	o	#	54	48	-	
	Pembroke (St. Ann's Hd.)	30.57	50	W	4	o	30.57	+ .06	49	48	- 1	SSE	3	og	#	b, o	#	52	47	-	
	Scilly ...	30.58	52	S	1	om	30.51	- .01	49	47	- 2	E	4	b	#	om	#	54	47	-	
	Prawle Point ...	30.62	49	SSW	1	o	30.60	+ .03	46	45	- 2	ENE	3	b	#	o	#	50	45	-	
	Jersey (St. Aubin's)	30.66	38	ESE	2	f	30.59	- .04	35	34	- 5	E	3	b	#	c, f	#	41	33	0.01	
	Hurst Castle ...	30.62	49	SW	1	o	30.63	+ .05	47	46	- 1	ESE	1	om	#	o, f	#	50	46	-	
	Dungeness ...	30.62	48	SW	3	c	30.64	+ .06	44	44	- 1	SSW	1	o	#	c, f	#	49	44	-	
	North Foreland	30.63	46	SW	3	c	30.66	+ .08	46	45	+ 3	SW	2	m	#	o, c	#	48	41	-	
	London (Brixton) ...	30.61	48	WSW	2	o	30.65	+ .08	45	44	0	SW	1	omg	#	omg, o	#	49	44	-	
	Oxford ...	30.64	47	SW	2	o	30.65	+ .10	45	45	- 1	SSW	1	f	#	o	#	50	45	-	
	Cambridge ...	30.61	43	SSW	1	o	30.65	+ .13	39	39	- 6	SSW	1	f	#	o	#	50	37	-	
	Yarmouth ...	30.53	47	WSW	2	b	30.62	+ .14	41	40	- 2	SW	1	f	#	b	#	48	37	-	
GERMANY & HOLLAND.	Cuxhaven ...	30.50	43	SW	3	o	30.67	+ .25	37	37	- 4	W	1	f	#	e	#	43	36	-	
	Berlin ...	30.58	41	W	3	o	30.68	+ .18	42	42	+ 1	W	3	o	#	o	#	43	39	-	
	Wiesbaden ...	#	#	#	#	#	30.75	+ .08	34	32	+ 6	NNW	1	o	#	e	#	34	28	-	
	Munich ...	30.70	34	E	2	f	30.71	+ .04	32	32	- 2	E	2	f	#	f	#	39	32	0.04	
	The Helder ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
	Brussels ...	#	#	#	#	#	30.63	- .04	36	36	+ 7	NNW	1	f	#	m	#	38	29	-	
	Cape Gris Nez ...	30.56	39	SW	4	o	30.57	+ .06	42	40	+ 3	E	2	m	#	o	#	42	36	-	
	Paris ...	30.69	34	ENE	2	o	30.65	- .01	28	27	- 8	E	2	m	#	o	#	37	27	-	
	Brest ...	30.59	41	E	1	b	30.54	- .03	35	32	- 7	E	3	o	#	b	#	50	30	-	
	Lorient ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
FRANCE & BELGIUM.	Rochefort ...	30.51	43	NE	4	b	30.45	- .06	41	39	- 1	E	5	o	#	b	#	50	39	-	
	Belfort ...	30.63	39	E	5	m	30.63	00	34	34	- 2	E	6	f	#	m	#	41	34	-	
	Lyons ...	30.63	41	NNW	1	o	30.59	- .04	37	37	- 4	NNW	1	o	#	o	#	42	37	-	
	Nice ...	30.48	51	E	1	c	30.62	+ .04	50	45	+ 2	Z	0	o	#	c	#	59	46	-	
	Perpignan ...	30.45	50	NW	2	o	30.39	- .08	51	51	+ 1	SE	2	r	#	o	#	52	49	0.79	
	Biarritz ...	30.38	46	NE	3	o	30.23	- .20	46	43	+ 1	E	3	o	#	o	#	48	41	-	
	Corunna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
PENIN- SULA.	Lisbon ...	30.17	52	NNE	4	c	30.11	- .11	51	46	+ 2	N	4	b	#	c	#	57	48	-	
	Azores (P. Delgada)	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport... 9.0 hrs;

WEATHER CHARTS

FOR Thursday, 13th January, 1898

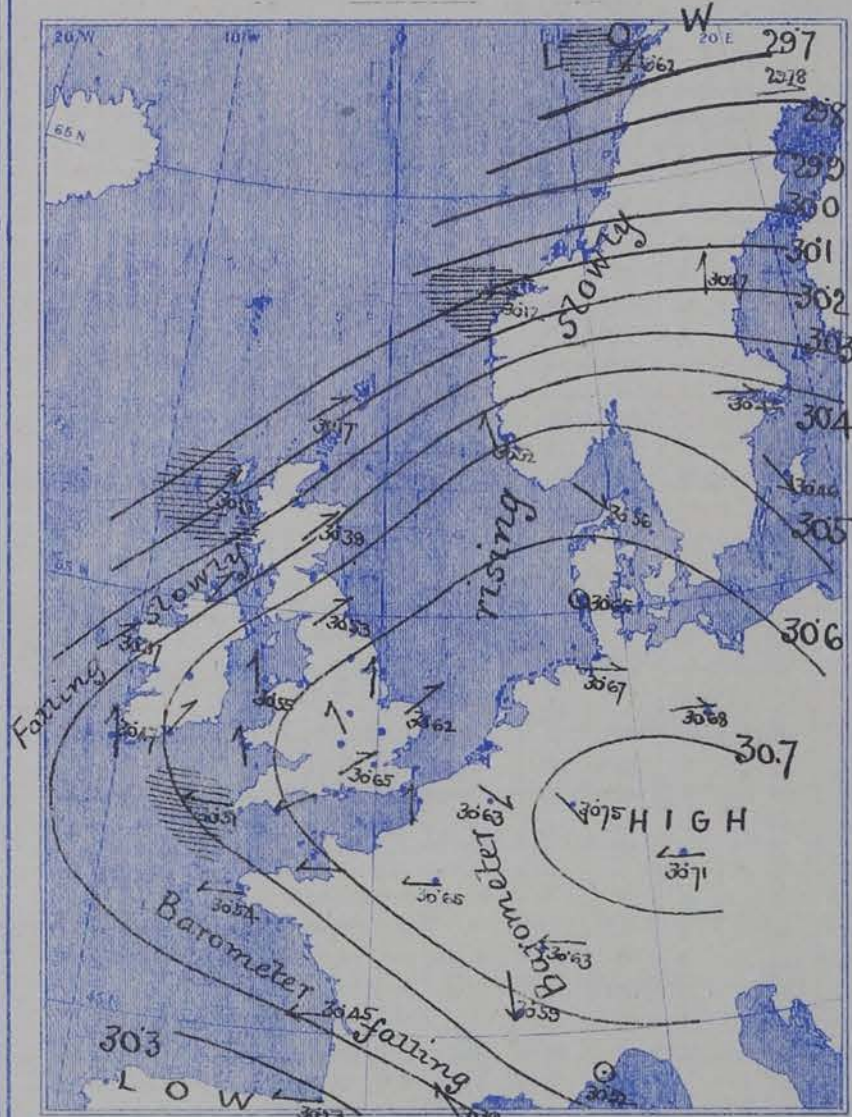
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ ; Force 5 to 7 →→→ ; Force 8 to 10 →→→ ; Force 1 to 4 →→→ ; Calm ○

SEA—Rough ≡≡≡ ; High ≡≡≡



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866-95.	BRIGHT SUNSHINE. Means, 1881-95.	
		Means of				Absolute Extremes.					Hours	Per cent. of possible
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
Sumburgh Head	(Inches.) 29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.80	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Seilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3*	8*
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.7 ins. and upwards over the central and S.^m parts of Germany; 30.5 ins. and upwards in an anticyclone extending from central Europe over the North Sea, England, the E. of Ireland & the N. & central parts of France.

Lowest 29.6 ins. and less in a rather deep depression lying off the northwest of Norway.

Gradients rather steep over Scandinavia & the N.^m parts of the North Sea, but slight elsewhere.

Barometer falling in the W. and N. of our islands, and also in France, rising on most other parts of our area.

Highest (1) 51° at Perpignan and Lisbon, and 50° at Nice; (2) 50° at Stornoway, Naun, Leith & Rocher Point.

Lowest (1) 23° at Haparanda, and 32° at Karlstad; (2) 28° at Paris, and 32° at Munich; (3) 38° at Loughborough, and 39° at Cambridge.

During yesterday the thermometer rose to 50° and upwards in most parts of the United Kingdom, and to 54° at Rocher P. and Seilly. At Jersey, however, it did not exceed 41°.

TEMPERATURE

WIND

Light to moderate from the S.^m or S.W.^m over the greater part of the United Kingdom; strong to a gale from the S.W.^m or W.^m in the west of Norway.

Light to moderate from the E.^m over the Channel and France; calm or W.^m over Denmark and north Germany.

WEATHER

Cloudy or dull over W. Europe as a whole, with fog or mist in many parts of England, France and Germany and with rain at Bodo, as well as at Perpignan.

Fine over the W.^m parts of the English Channel, as well as in the N.^m parts of Great Britain and in Sweden.

Slight rain fell yesterday at a few of our own W.^m and extreme N.^m stations as well as in Scandinavia. A rather heavy fall occurred at Perpignan.

SEA

Rough off the W. of Norway, and rather rough at Edinburgh H. and Seilly, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is inclined to move away slowly to the E.^m. Depressions will probably begin to skirt our W. and N.^m coasts shortly, and the wind in those regions is therefore likely to freshen from the S.^m, with less settled weather.

FORECASTS

For the 24 hours ending at NOON on 14TH JANUARY 1898

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

S.W.^m winds, fresh or strong; dull, some rain.

S.W.^m winds, light or moderate, fair generally.

Light breezes, chiefly S.^m, fair in places, but mostly foggy or misty.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

S.^m winds, freshening, cloudy, some showers.

Same as Nos 1 and 2.

E. and S.E.^m winds, moderate, fair generally.

Same as No 6.

None issued.

WARNINGS

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.20	45	45	WNW	4	c	3	Valencia ...	30.48	53	51	S	3	o	4
Sumburgh Head ...	30.16	46	43	W	4	c	5	Scilly ...	30.56	53	52	S	1	o	4
Stornoway ...	30.27	47	45	W	3	b	3	Jersey ...	30.64	41	40	SE	2	cm	3
Aberdeen ...	30.38	48	43	WSW	2	c	1	Hurst Castle ...	30.61	50	48	SW	1	o	2
Shields ...	30.42	51	50	W	2	o	2	Dungeness ...	30.59	49	47	SW	3	c	2
Ardrossan ...	30.43	49	48	WNW	3	buv	2	North Foreland ...	30.61	48	46	SW	3	o	3
Malin Head ...	30.42	48	47	SW	2	b	1	London (Westminster) ...	30.58	51	48	WSW	2	cmg	#
Belmullet ...	30.43	50	49	SSE	1	b	#	Yarmouth ...	30.50	48	46	WSW	3	b	3
Holyhead ...	30.50	51	50	SW	3	ogmpd	2	Rocheport ...	30.51	49	47	ENE	5	b	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with rain in Denmark and the west of Norway, and snow at Archangel and Moscow; fog reported at several stations in the more central parts of Europe. Fine on the north and east coasts of Great Britain, as well as in Sweden, Italy, and the south of Spain. A little rain falling later at some of our own western and extreme northern stations, as well as in Scandinavia, and a considerable amount at Perpignan.

Temperatures risen over our Islands, as well as in Denmark, North Germany, Austria, and Russia, fallen elsewhere. Morning readings highest, 63° at La Celle, 60° at Malta and Algiers, and 59° at Cagliari and Tunis; above 50° at the Mediterranean stations generally, as well as on some parts of our own northeast and southwest coasts. Lowest, 3° at Haparanda, 17° at Helsingfors, and 21° at Ulleaborg and Archangel; below the freezing point over Sweden and Russia generally, and also over Belgium and Western Germany. Rising during day to 50° and upwards in most parts of the United Kingdom and also in the west and south of France, and reaching 53° at Nice.

Wind SW² or W¹ over northwestern Europe as a whole; light or moderate in force generally, but blowing a moderate gale at Christiansund. Calm in north of Sweden, NW¹ or W² over the Baltic, Eastern Germany and Austria, SW¹ or S³ in Russia. Light to fresh from the E² or NE² over France and the Spanish Peninsula, N³ over Italy and the Adriatic. No important change occurring over Western Europe during day.

Barometer highest 30.6 ins. and upwards, over South Germany, Switzerland, the northern and central parts of France; 30.3 ins. and upwards in an anticyclone covering all but the northern and extreme southwestern parts of Europe. Lowest 29.8 ins. and less in a large, but somewhat shallow, depression lying off the west of Norway; 30.0 ins. and less, over Algeria. Depression off Norwegian coasts subsequently moving northwards, and barometer rising at all but the French stations.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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 „ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on **FRIDAY JANUARY 14TH** 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.		Rainfall.	
				At 32° and M.S.L.	Dry Bulb.		Dir.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.					Dir.	Force (0 to 12.)		Max.
Ins.		°				Ins.	Ins.	°	°	°								°	°	Ins.	
SCANDINAVIA.	Haparanda ...	29.65	39	SW	6	b	29.37	-41	35	34	+12	SW	6	c	#	b	#	39	14	-	
	Hernösand ...	30.01	36	W	0	o	29.75	-42	43	39	+6	SW	4	o	#	o	#	43	27	-	
	Stockholm ...	30.36	39	W	4	o	30.18	-24	42	41	+9	WSW	6	o	#	o	#	42	30	-	
	Wisby ...	30.15	38	SW	4	o	30.43	-03	37	36	0	WSW	8	o	#	o	#	41	36	-	
	Karlstad ...	30.40	39	SW	4	o	30.19	-28	44	41	+12	SSW	6	o	#	o, r	#	#	#	0.04	
	Bodo ...	29.68	41	W	5	o	29.42	-20	43	41	0	SW	9	o	6	o	#	43	39	0.28	
	Christiansund ...	29.89	50	W	9	o	29.80	-32	42	41	-4	WSW	8	r	7	o	#	50	41	0.35	
	Skudesnaes ...	30.38	44	S	4	o	30.23	-29	45	44	+4	SSE	6	o	4	o	#	45	36	#	
	Færder (Christiania Fjord)	30.39	41	WSW	6	o	30.19	-31	42	42	+5	S	6	o	4	o	#	42	37	-	
	Skagen (The Scaw)	30.58	39	W	4	m	30.37	-19	41	41	+2	WSW	4	f	0	m	#	43	37	-	
Fanø ...	30.63	40	WSW	4	f	30.52	-13	39	38	-3	SSW	4	o	#	f	#	42	37	-		
BRITISH ISLANDS.	Sumburgh Head	30.03	47	SW	3	o	29.94	-23	46	46	+1	W	4	r	5	o	#	49	45	0.22	
	Stornoway ...	30.03	50	SW	7	f	30.12	-03	45	44	-5	W	3	bc	3	r	0.0	50	43	0.30	
	Wick ...	30.11	47	W	6	bc	30.11	-09	45	44	-1	WNW	3	or	3	bc	#	50	45	0.01	
	Nairn ...	30.14	50	WSW	4	bc	30.15	-13	47	45	-3	WSW	5	c	2	bc	#	56	45	-	
	Aberdeen ...	30.27	47	S	4	ogg	30.23	-16	46	42	+3	SW	4	bcg	2	c, ogg	0.0	49	43	-	
	Leith ...	30.37	49	W	1	o	30.31	-12	45	41	-5	WSW	4	o	#	o	#	52	43	-	
	Shields ...	30.47	48	SW	2	m	30.40	-13	40	39	-5	SW	2	cm	2	o, m	#	49	39	-	
	Spurn Head ...	30.53	45	SW	2	o	30.45	-14	43	42	-1	SW	2	om	2	om	#	47	42	-	
	York ...	30.52	47	WSW	1	o	30.45	-12	38	37	-7	W	1	b	#	o	0.0	50	37	-	
	Loughborough ...	30.56	45	SE	1	o	30.47	-15	43	42	+5	SE	1	ogm	#	of, m, om	#	46	38	-	
BRITISH ISLANDS.	Ardrossan ...	30.40	48	S	2	o	30.31	-11	47	46	-1	SW	4	o	3	c, o	#	49	45	-	
	Malin Head ...	30.28	47	S	6	o	30.23	-13	45	44	-1	SSW	3	ogm	2	o	#	48	44	-	
	Belmullet ...	30.33	49	SW	5	c	30.31	-06	48	47	-1	WSW	1	o	#	o, c	#	49	47	0.02	
	Donaghadee ...	30.41	47	SW	4	bc	30.39	-09	43	41	-3	SW	3	bc	2	bc	#	50	41	-	
	Liverpool (Bidston)	30.53	47	SW	1	om	30.46	-10	42	40	-3	W	0	b	0	om	#	50	39	-	
	Holyhead ...	30.50	48	S	2	omg	30.43	-12	46	45	-2	S	2	ogm	1	pd, ogm	#	49	44	-	
	Parsonstown ...	30.43	47	S	1	bc	30.41	-09	43	41	-2	W	0	o	#	bc	3.0	52	37	-	
	Valencia ...	30.42	47	S	1	c	30.39	-08	47	44	-2	SSW	1	om	4	c	#	50	45	-	
	Roche's Point ...	30.46	50	S	4	bc	30.40	-12	48	45	-2	SSE	3	o	3	bc	#	53	46	-	
	Pembroke (St. Ann's Hd.)	30.50	46	SE	3	b	30.45	-12	43	41	-6	SE	3	og	3	b	#	45	50	42	
BRITISH ISLANDS.	Scilly ...	30.42	50	SE	5	b	30.38	-13	48	45	-1	ESE	2	c	4	bc, b	7.0	52	45	-	
	Prawle Point ...	30.50	47	SE	4	bc	30.44	-16	43	42	-3	E	3	og	2	bc	#	50	42	-	
	Jersey (St. Aubin's)	30.48	42	SE	3	bm	30.45	-14	34	34	-1	ESE	3	om	3	bm, w	#	45	33	-	
	Hurst Castle ...	30.53	45	SE	3	cm	30.44	-19	42	41	-5	E	1	ogm	1	bm, cm	#	50	42	-	
	Dungeness ...	30.53	45	SE	3	bc	30.47	-17	42	41	-2	W	0	om	0	c, bc	#	47	41	-	
	North Foreland	30.60	45	SE	2	c	30.48	-18	43	42	-3	W	0	om	0	c	#	46	42	-	
	London (Brixton) ...	30.57	46	SE	1	o	30.48	-17	42	40	-3	S	1	og	#	gf, og	0.0	48	41	-	
	Oxford ...	30.55	46	SW	1	o	30.48	-17	42	40	-3	SE	1	og	#	og	#	48	42	-	
	Cambridge ...	30.58	46	W	0	f	30.49	-16	42	42	+3	W	0	m	#	f	0.0	48	37	-	
	Yarmouth ...	30.56	44	SE	2	bc	30.46	-16	42	41	+1	W	0	cmg	2	f, b	#	45	39	-	
GERMANY & HOLLAND.	Cuxhaven ...	30.70	41	S	1	o	30.54	-13	35	35	-2	S	1	o	#	f, o	#	43	34	-	
	Berlin ...	30.79	39	W	1	o	30.65	-03	32	31	-10	SE	3	b	#	o	#	43	30	-	
	Wiesbaden ...	#	#	#	#	#	30.55	-20	39	38	+5	E	2	o	#	#	#	41	34	-	
	Munich ...	30.63	34	E	5	o	30.60	-11	31	31	-1	NE	4	o	#	o	#	34	31	-	
	The Helder ...	30.63	41	SE	1	f	30.48		42	40		W	0	o	1	f	#	45	41	-	
	Brussels ...	#	#	#	#	#	30.52	-17	36	34	0	SSE	1	m	#	b	#	43	32	-	
	Cape Gris Nez ...	30.48	42	E	2	m	30.40	-17	39	37	-3	SSW	1	f	1	m	#	45	36	-	
	Paris ...	30.56	32	E	1	o	30.48	-17	35	34	+7	ENE	2	m	#	o	#	35	?	-	
	Brest ...	30.43	37	ENE	1	m	30.38	-16	36	36	+1	E	1	o	2	m	#	43	28	-	
	Lorient ...																				
FRANCE & BELGIUM.	Rocheport ...	30.39	43	ENE	5	c	30.36	-09	45	43	+4	ENE	4	o	#	c	#	48	41	-	
	Belfort ...	30.53	33	E	4	m	30.53	-10	31	31	-3	E	2	m	#	m	#	39	31	-	
	Lyons ...	30.52	39	E	1	o	30.53	-06	36	35	-1	ENE	1	c	#	o	#	43	34	-	
	Nice ...	30.50	50	E	4	o	30.47	-05	54	43	+4	NE	5	c	3	o	#	54	46	-	
	Perpignan ...	30.32	53	SE	4	f	30.34	-05	50	50	-1	E	1	r	#	r	#	55	49	2.17	
	Biarritz ...	30.19	50	E	3	b	30.21	-02	46	44	0	ESE	3	bc	2	b	#	54	41	-	
PENIN- SULA.	Corunna ...																				
	Lisbon ...	30.08	54	SW	4	bc	30.15	+04	48	44	-3	NE	4	b	#	c, bc	#	57	46	-	
	Azores (P. Delgada)	30.31	59	S	4	b	30.28	-02	57	55	0	SW	4	c	3	bc, b	#	63	53	-	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport. 0.0 hrs;

WEATHER CHARTS

FOR Friday, 14th January, 1898

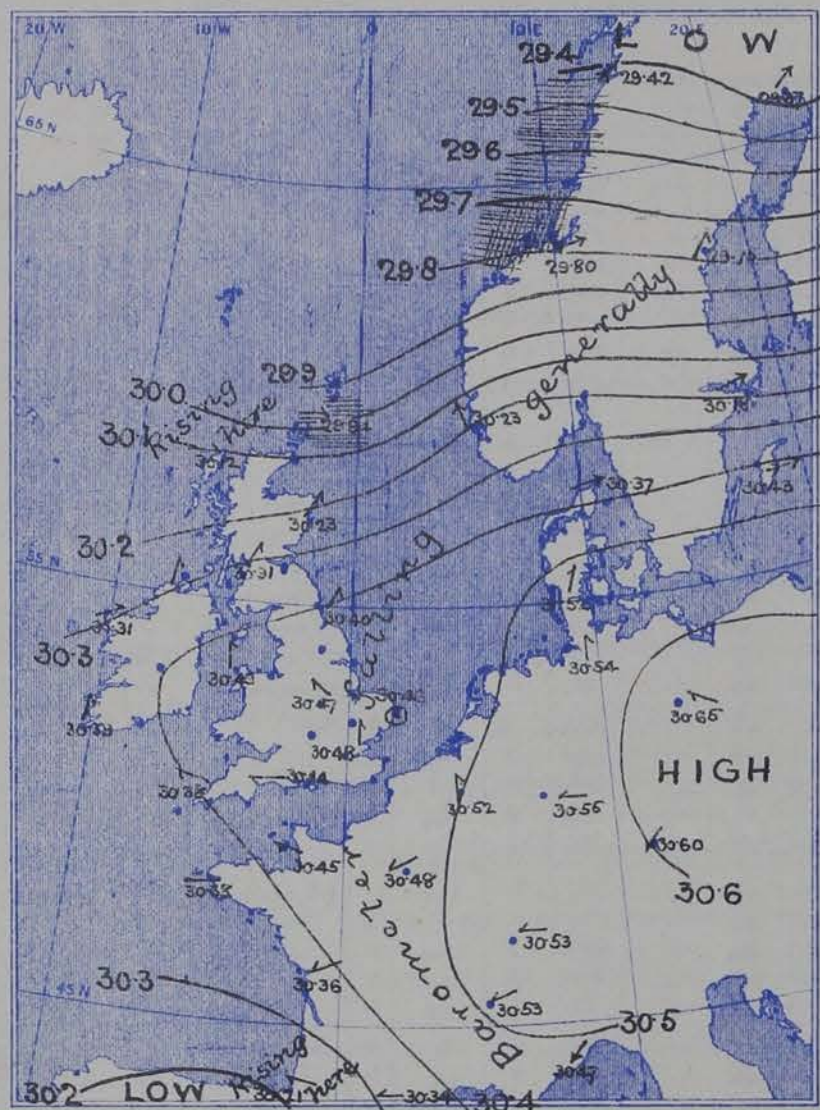
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ ; Force 5 to 7 →→→ ; Force 8 to 10 →→→ ; Force 1 to 4 →→→ ; Calm ○

SEA—Rough ≡≡≡ ; High ≡≡≡



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866-95.	BRIGHT SUNSHINE. Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Sornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.932	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3†	8†
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

+ The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 ins. and upwards in Germany; 30.3 ins. and upwards in an anticyclone extending from central Europe over the greater part of the North Sea, England, Ireland and France.
Lowest 29.4 ins. and less over the north of Scandinavia.

Gradients rather steep over Scandinavia and the Nth parts of the North Sea, but moderate to slight elsewhere, but more decidedly in Scandinavia.

Barometer rising on our extreme NW. coasts, but falling elsewhere, - slightly in our islands and France.

TEMPERATURE

Highest (1) 54° at Nice, 50° at Perpignan, and 48° at Lisbon; (2) 48° at Belmullet, Roches Pt. and Sully.

Lowest (1) 31° at Belfort and Munich, 32° at Berlin, 34° at Jersey, and 35° at Luehavan and Paris; (2) 35° at Haparanda.

During yesterday the thermometer rose to 50° and upwards at several of our western and northern stations, and to 56° at Nain. At Jersey it did not exceed 45°.

WIND

Light to moderate from the SWnd or Wnd over the northern parts of our islands, and also in Denmark, strong to a gale from the Snd or SWnd in Scandinavia.

Light from the End over the south of England and the greater part of France and Germany.

WEATHER

Fine at several of our own northern stations, but cloudy or dull over western Europe generally, with mist in many places, and rain at Sumburgh H^d, Wick and Christiansund, as well as at Perpignan.

A little rain fell yesterday in the extreme north and northwest of our islands, and a large amount (2.2 ins.) at Perpignan.

SEA

Slight or smooth generally, but rather rough at Sumburgh H^d and high at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone continues to move slowly eastwards, and further depressions are likely to skirt our extreme northwestern and northern coasts; causing strong winds or gales, and rain, in these localities. Elsewhere the weather will probably remain fair for the present.

FORECASTS

For the 24 hours ending at NOON on 15TH JANUARY 1898

DISTRICTS.

FORECASTS.

- 1 SCOTLAND NORTH
- 2 SCOTLAND EAST
- 3 ENGLAND N.E.
- 4 ENGLAND EAST
- 5 MIDLAND COUNTIES
- 6 ENGLAND SOUTH

Wnd winds, moderate to SWnd, strong; changeable, some rain.

SWnd winds, light or moderate, fair generally.

Calms or light SEnd airs, cloudy with some mist or fog in places.

DISTRICTS.

FORECASTS.

- 7 SCOTLAND WEST
- 8 ENGLAND N.W.
- 9 ENGLAND S.W.
- 10 IRELAND NORTH
- 11 IRELAND SOUTH

SWnd winds, freshening, dull, some rain.

Snd and SWnd winds, moderate, fair generally.

End and SEnd winds, moderate, fair generally.

Snd and SEnd winds, freshening, dull, some rain.

At 7.10 pm. yesterday to districts 0, 6 and parts of 1 and 9. Hoist South Cone.

WARNINGS

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	30.44	43	42	S	7	0	4	Valencia ...	30.44	50	47	S	3	C	2
Sumburgh Head ...	30.11	48	47	SE	4	0	4	Scilly ...	30.45	51	46	E	5	bc	5
Stornoway ...	30.08	49	48	WSE	7	+	6	Jersey ...	30.51	45	41	E	4	bm	3
Aberdeen ...	30.31	48	45	SE	3	C	2	Hurst Castle ...	30.56	49	47	E	3	bm	2
Shields ...	30.30	49	47	SE	3	0	2	Dungeness ...	30.58	47	45	ESE	1	C	0
Ardrossan ...	30.40	48	48	S	3	C	2	North Foreland ...	30.62	45	44	SE	2	C	1
Malin Head ...	30.28	48	47	S	6	0	3	London (Westminster) ...	30.58	51	47	S	1	ogf	#
Belmullet ...	30.33	49	48	SE	4	0	*	Yarmouth ...	30.55	44	43	SE	2	f	3
Holyhead ...	30.51	49	48	S	2	ondf	1	Rochefort ...	30.34	48	46	E	5	bc	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull over the greater part of our islands and the Continent, with fog or mist in many parts of England, France and central Europe; rain falling at Bodo and also at Perpignan and snow at St. Petersburg. Fine over the western parts of the English Channel, as well as in the N.E. parts of St. Britain, in Sweden and in Italy. Rain falling later in the extreme N. and N.W. of our Islands and the W. of Norway, and a further large quantity (2.2 in.) at Perpignan.

Temperature risen in the extreme N. of our islands, and also in Scandinavia, Russia, Spain and the S. of France, but fallen elsewhere. Morning readings, highest 59° at Malta and Tunis, 58° at La Caille, and 57° at Palermo and Algiers, above 50° at the Mediterranean stations generally, and just touching it in several parts of Ireland and Scotland. Lowest (1) 23° at Haparanda and 26° at Archangel and Moscow; (2) 28° at Paris, and 32° at Munich. Rising during day to 50° and upwards at many of our own W. and N. stations, and to 56° at Narvik, exceeding 50° also in the S. of France, but remaining below 40° in the central parts of that country.

Wind light to moderate from the S.W. or S.W. over the greater part of the United Kingdom, and strong to a gale from the S.W. or W. in the west of Norway. NW. over Russia, the Baltic, eastern Germany, Austria and the Adriatic. Light to fresh from the E. over the English Channel and France; moderate to fresh from the NE. or N. in Spain; variable in Italy. Subsequently increasing to a moderate or fresh gale from the S.W. in the north of Scotland; no important change occurring elsewhere.

Barometer highest 30.7 ins. and upwards over the central and S. parts of Germany, 30.5 ins. and upwards in an anticyclone covering all the more central and S.E. parts of the Continent, and extending westward over the North Sea, England and the E. of Ireland. Lowest 29.6 ins. and less in a rather deep depression off the N.W. of Norway; 30.0 ins. and less in a shallow disturbance over Morocco. Norwegian depression subsequently moving away to the NE., but new disturbance skirting our own extreme northern coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on *Saturday 15th January, 1898.*
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.	TEMP.	WIND.			BAROMETER.	TEMPERATURE.			WIND.						TEMP.			
		At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29.42	32	WSW	4	b	29.50	+ .13	25	24	- 10	W	2	bc	#	b	#	41	25	-
	Hernösand ...	29.89	38	W	4	b	29.94	+ .19	35	33	- 8	SW	6	s	#	b	#	45	32	-
	Stockholm ...	30.07	43	SW	6	o	30.19	+ .01	37	35	- 5	SW	4	o	#	o	#	46	36	-
	Wisby ...	30.24	38	WSW	8	c	30.30	- .13	39	38	+ 2	NW	4	bc	#	c	#	39	36	-
	Karlstad ...	30.15	42	SW	6	bc	30.29	+ .10	36	34	- 8	WSW	2	bc	#	bc	#	#	#	-
	Bodö ...	29.58	34	WSW	6	o	29.67	+ .25	35	32	- 8	WNW	8	bc	5	o	#	45	32	-
	Christiansund ...	29.99	42	WSW	4	r	30.18	+ .38	42	41	o	W	4	r	7	r	#	42	37	1.46
	Skudesnaes ...	30.32	42	NNW	2	b	30.43	+ .20	42	42	- 3	WSW	2	bc	4	rf, b	#	45	34	#
	Færder (Christiania Fjord)	30.16	42	SW	5	b	30.34	+ .15	40	40	- 2	WSW	2	o	3	b	#	43	40	-
	Skagen (The Scaw)	30.30	44	SW	4	m	30.36	- .01	41	40	o	NW	4	c	0	m	#	45	39	-
BRITISH ISLANDS.	Fanö ...	30.46	41	SSW	3	o	30.53	+ .01	42	42	+ 3	SW	2	o	#	o	#	43	37	-
	Sumburgh Head	30.19	45	W	3	o	30.24	+ .30	47	47	+ 1	SW	3	r	4	o	#	48	42	0.09
	Stornoway ...	30.25	40	W	1	b	30.27	+ .15	47	47	+ 2	SW	4	r	5	bc, b	3.3	47	37	0.02
	Wick ...	30.29	45	NW	2	c	30.33	+ .22	44	43	- 1	NW	1	b	1	c	#	47	38	0.02
	Nairn ...	30.30	47	L	0	o	30.36	+ .21	47	45	o	W	1	c	1	o	#	48	43	0.02
	Aberdeen ...	30.34	41	WSW	2	bcw	30.41	+ .18	35	35	- 11	W	1	bcw	1	bc, bcw	0.0	48	34	-
	Leith ...	30.40	45	WSW	2	o	30.47	+ .16	43	40	- 2	WSW	3	o	#	o	#	47	40	-
	Shields ...	30.44	44	WSW	2	bcw	30.55	+ .15	41	40	+ 1	SW	2	om	2	c, bcw	#	49	35	-
	Spurn Head ...	30.48	41	WSW	2	b	30.60	+ .15	40	38	- 3	SSW	2	om	2	bcw	#	45	40	-
	York ...	30.45	44	W	1	o	30.59	+ .14	40	38	+ 2	SSW	1	o	#	b, o	0.5	46	37	-
GERMANY & HOLLAND.	Loughborough ...	30.51	40	WSW	1	om	30.59	+ .12	40	38	- 3	SE	1	omw	#	cm, om	#	45	37	-
	Ardrossan ...	30.40	47	S	3	o	30.49	+ .18	46	45	- 1	SW	3	o	2	c, o	#	47	45	-
	Malin Head ...	30.34	46	S	5	om	30.41	+ .18	43	41	- 2	S	5	cg	2	cm	#	47	41	-
	Belmullet ...	30.36	49	WSW	2	bc	30.42	+ .11	47	45	- 1	S	2	o	#	c, bc	#	50	45	0.01
	Donaghadee ...	30.44	45	SW	2	c	30.50	+ .11	44	43	+ 1	WSW	3	c	1	c	#	48	41	-
	Liverpool (Bidston)	30.49	40	S	1	o	30.58	+ .12	37	35	- 5	SE	2	o	?	bcw	#	45	34	-
	Holyhead ...	30.47	46	S	1	ogm	30.55	+ .12	41	39	- 5	S	1	om	1	omg	#	46	39	-
	Parsonstown ...	30.43	44	L	0	o	30.51	+ .10	42	40	- 1	L	0	o	#	o	0.9	48	41	-
	Valencia ...	30.43	48	SSE	1	o	30.47	+ .08	47	44	o	SSE	2	om	3	o	0.0	49	46	-
	Roche's Point ...	30.45	46	NW	2	o	30.50	+ .10	47	45	- 1	SE	4	o	4	o	#	49	44	-
FRANCE & BELGIUM.	Pembroke (St. Ann's Hd.)	30.48	39	ESE	3	o	30.52	+ .07	40	39	- 3	ESE	3	og	3	o	0.0	43	39	-
	Scilly ...	30.51	45	ENE	2	c	30.51	+ .13	49	47	+ 1	ESE	4	om	3	c	1.4	49	42	-
	Prawle Point ...	30.47	42	ENE	3	og	30.53	+ .09	45	44	+ 2	ENE	3	og	2	og	#	45	40	-
	Jersey (St. Aubin's)	30.48	36	ENE	3	om	30.53	+ .08	40	40	+ 6	ENE	3	f	3	om, b	#	40	33	-
	Hurst Castle ...	30.49	43	E	1	om	30.57	+ .13	43	41	+ 1	E	2	om	1	gm, om	#	43	42	-
	Dungeness ...	30.49	42	SSW	2	o	30.60	+ .13	41	40	- 1	SSE	2	o	1	o	#	43	40	-
	North Foreland	30.51	43	NW	2	o	30.61	+ .13	41	40	- 2	SE	2	o	2	o	#	44	40	-
	London (Brixton) ...	30.51	42	S	1	og	30.59	+ .11	42	39	o	SE	1	og	#	ogf, og	0.0	43	41	-
	Oxford ...	30.54	41	E	1	og	30.60	+ .12	40	38	- 2	SE	1	og	#	cg	#	43	40	-
	Cambridge ...	30.51	43	L	0	o	30.60	+ .11	41	40	- 1	L	0	ogm	#	o	0.0	44	40	-
PENIN- SULA.	Yarmouth ...	30.46	43	L	0	bcw	30.56	+ .10	42	41	o	L	0	og	2	cf, bcw	#	43	40	-
	Cuxhaven ...	30.48	36	L	0	m	30.57	+ .03	36	36	+ 1	SW	1	o	#	m	#	37	34	-
	Berlin ...	30.52	35	SW	2	b	30.62	- .03	37	36	+ 5	W	2	o	#	b	#	41	32	-
	Wiesbaden ...	#	#	#	#	#	30.63	+ .08	29	28	- 10	SW	1	o	#	#	#	41	27	-
	Munich ...	30.56	28	L	0	f	30.60	00	23	23	- 8	E	3	f	#	f	#	36	23	-
	The Helder ...	30.50	38	SSE	1	o	30.59	+ .11	41	40	- 1	SSW	1	o	1	o	#	42	37	-
	Brussels ...	#	#	#	#	#	30.63	+ .11	33	33	- 3	SE	1	f	#	o	#	36	33	-
	Cape Gris Nez ...	30.43	37	SSW	1	f	30.51	+ .11	38	36	- 1	SE	2	f	2	f	#	43	34	0.04
	Paris ...	30.51	36	NE	2	o	30.56	+ .08	30	30	- 5	NNE	2	f	#	o	#	39	30	-
	Brest ...	30.38	25	ENE	1	c	30.43	+ .05	42	41	+ 6	E	2	b	2	c	#	42	30	-
PENIN- SULA.	Lorient ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
	Rochefort ...	30.36	50	ENE	4	bc	30.36	00	45	43	o	E	4	bc	#	bc	#	57	41	-
	Belfort ...	30.52	34	E	2	m	30.57	+ .04	28	27	- 3	E	3	m	#	m	#	45	26	-
	Lyons ...	30.54	33	NNW	1	f	30.57	+ .04	32	32	- 4	SE	1	f	#	f	#	46	32	-
	Nice ...	30.47	59	E	4	c	30.51	+ .04	52	44	- 2	E	1	o	4	c	#	59	50	-
	Perpignan ...	30.41	49	NE	2	r	30.40	+ .06	52	51	+ 2	SE	2	r	#	r	#	54	46	2.21
	Biarritz ...	30.24	50	E	3	b	30.26	+ .05	45	43	- 1	ESE	2	bc	2	b	#	57	43	-
	Corunna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
	Lisbon ...	30.17	51	NNE	4	b	30.23	+ .08	46	44	- 2	N	4	b	#	b	#	59	45	-
	Azores (P. Delgada)	30.27	59	S	5	b	30.22	- .06	60	55	+ 3	S	5	c	4	b	#	63	57	-

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport... 2.0 hrs;

WEATHER CHARTS

FOR SATURDAY, 15TH JANUARY, 1898

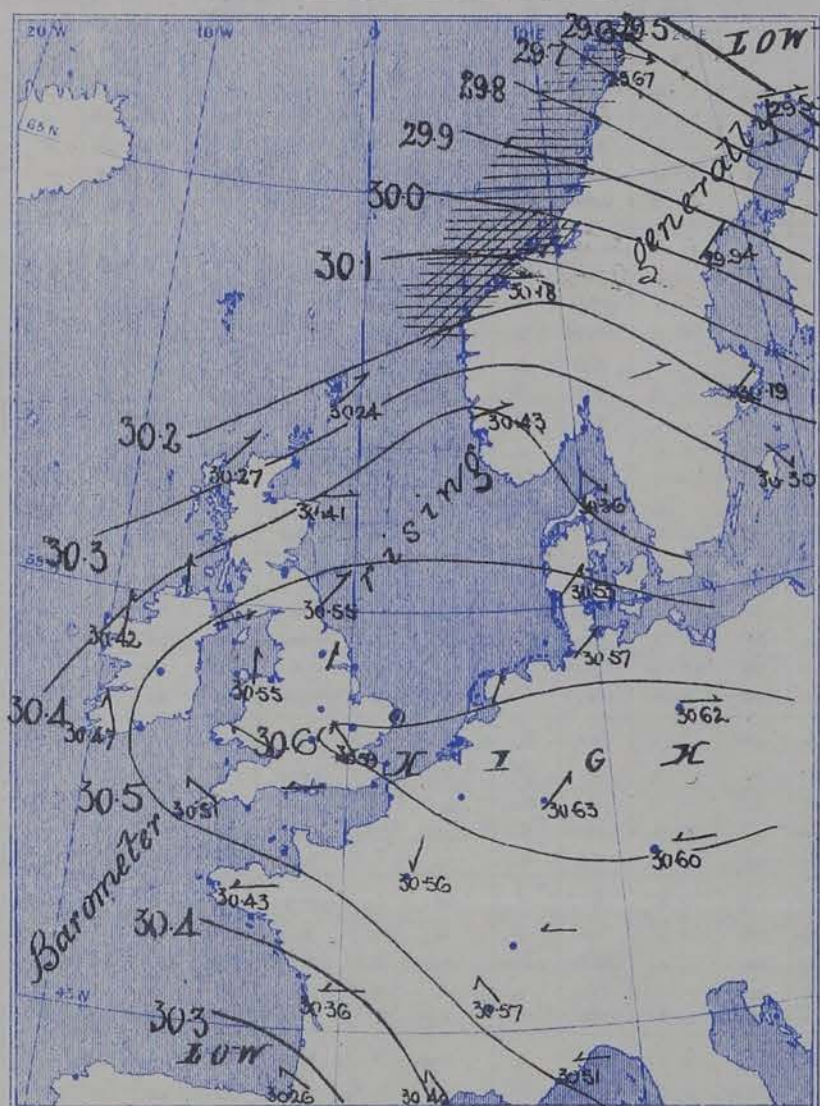
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ ; Force 5 to 7 →→→ ; Force 8 to 10 →→→ ; Force 1 to 4 →→→ ; Calm ○

SEA—Rough ≡≡≡ ; High ≡≡≡

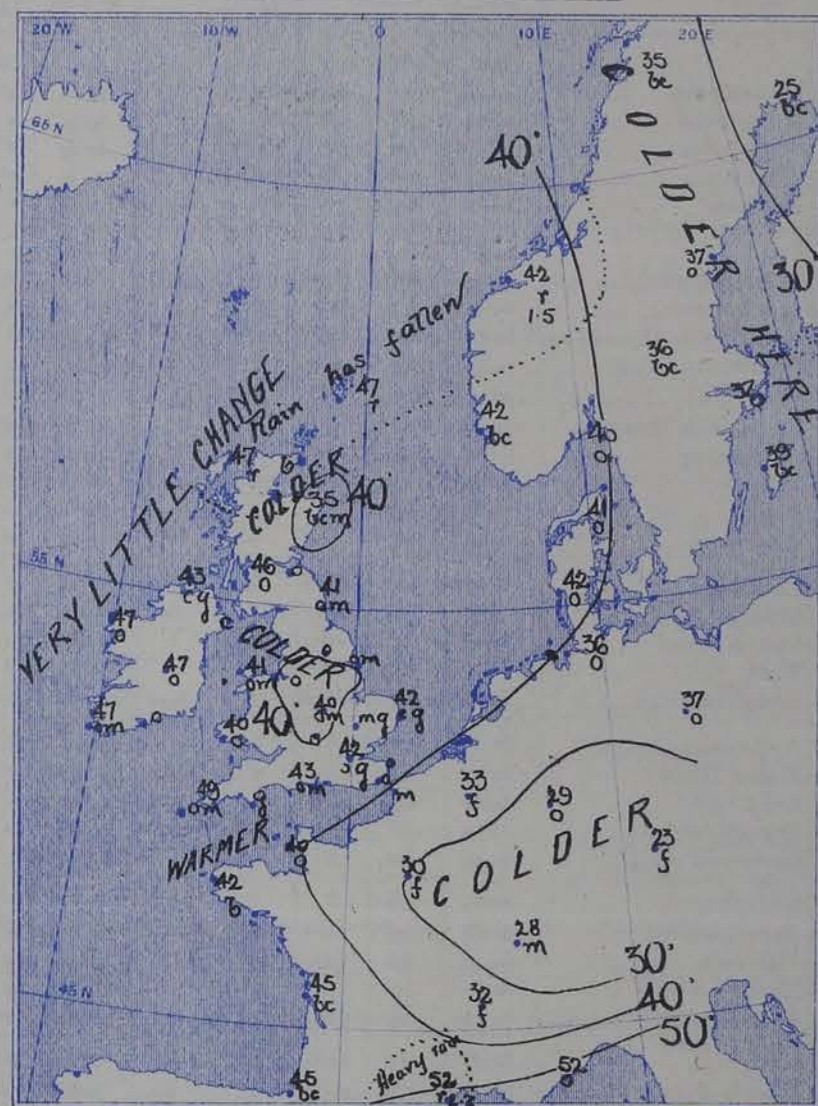


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)									(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3†	8†
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 ins. and upwards over Germany, the Netherlands and the S.E. of England; 30.3 ins. and upwards in an anticyclone covering the greater part of western Europe.
Lowest 29.5 ins. and less over Lapland.

Gradients slight generally, but rather steep over the northern parts of Scandinavia.
Barometer rising in all parts of our area.

TEMPERATURE

Highest (1) 52° at Nice and Perpignan; (2) 49° at Gailly, and 47° at Sumburgh H^d, Stornoway, Nain, Belmullet, Valencia (Ireland) and Roche's Point.

Lowest (1) 23° at Muriel, and 28° at Belfast; (2) 25° at Haparanda, and 35° at Bodø and Henningsand; (3) 35° at Aberdeen, and 37° at Liverpool.

The maxima registered yesterday were below 45° in the S. and E. of England, but above it at most of our W^m and N^m stations, the highest reading of all being 50° at Belmullet.

WIND

Light from the End or SEnd over the greater part of England and France.

Light to moderate from the Snd in Ireland, and from the SWnd or Wnd over the northern parts of St. Britain; moderate to strong from the latter quarters over Scandinavia & Denmark, with a gale at Bodø.

WEATHER

Dull over W. Europe as a whole, with mist or fog in many places, rain at Christiansund, Sumburgh H^d and Stornoway, and snow at Henningsand.

Fine on the W. coasts of France, as well as in the N.E. of Scotland and at several of the Scandinavian stations.

Slight rain fell yesterday on our extreme N. and N.W. coasts, and a large amount at Bodø; as well as at Perpignan. At the latter station 2.2 ins. was measured this morning, the total amount for the past three days being as much as 5.17 ins.

SEA

High at Christiansund, and rather rough at Bodø and Stornoway, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any important change in the weather.

FORECASTS

For the 24 hours ending at NOON on 16TH JANUARY 1898

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

SW winds moderate or fresh, changeable, some rain.

SW winds light, fair generally, but cloudy and misty in places.

E and SE winds, light, cloudy, with mist or fog in places.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

S winds, light, dull, some mist or fog.

E winds, moderate, dull, misty.

Same as Nos 6 and 7.

At 7 pm. yesterday to districts 0 & and parts of 1 and 9. Lower Cone.

WARNINGS

Note.—The **South Cone**, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The **North Cone**, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.		THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	30.23	45	44	SW	6	rf	4	Valencia ...	30.39		49	46	SSE	2	o	4
Sumburgh Head ...	30.13	45	42	W	3	c	4	Scilly ...	? 30.41		48	46	E	2	c	4
Stornoway ...	30.20	47	46	W	3	bc	3	Jersey ...	30.46		35	35	NE	3	om	3
Aberdeen ...	30.28	47	44	SW	1	bc	1	Hurst Castle ...	30.46		43	41	SSE	1	ogm	1
Shields ...	30.40	48	45	WSW	3	c	2	Dungeness ...	30.46		41	40	S	3	o	2
Ardrossan ...	30.37	47	47	S	4	c	3	North Foreland ...	30.49		44	42	NW	1	o	1
Malin Head ...	30.32	47	46	S	4	c	3	London (Westminster) ...	30.46		45	41	SE	1	ogf	#
Belmullet ...	30.35	50	48	SSW	2	c	#	Yarmouth ...	30.44		43	42	SSE	1	ogf	2
Holyhead ...	30.45	46	44	S	1	ogm	1	Rochefort ...	30.37		54	50	E	3	bc	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with mist or fog in many parts of the western and central countries, and with rain at Sumburgh P., Wick and Christiansund, as well as at Perpignan and Madrid. Fine at some of our own northern stations, as well as in Austria and Italy. A little rain falling later on our extreme north and northwest coasts, and large amounts at Bodo and Perpignan.

Temperature fallen a little in our Islands, and also in Denmark, Germany and Austria, risen elsewhere. Morning readings highest 63° at Spas, 59° at Malta and Annale, and 58° at Cagliari and Tunis, above 50° at the Mediterranean stations generally, and very little below it on our own extreme west and southwest coasts. Lowest 28° at Khar'kov, 29° at Moscow, Neufahrwasser and Prague, and 30° at Breslau and Buda Pesth. Rising later to between 47° and 49° at most of our own western and northern stations, but remaining below 45° in the east and south of England. Exceeding 58° in the south of France, and in Portugal.

Wind SW² or W² over the northern parts of our Islands and the Continent, and strong to a gale in force at many of the Scandinavian stations. Light to moderate from the E² over the south of England and the greater part of France and Germany, and from the NE² over Austria, N. Italy, and the Spanish peninsula. No important change occurring over western Europe during day.

Barometer highest 30.81 ins. at Cracow; 30.7 ins. and upwards over E^m Germany and Austria generally; 30.2 ins. and upwards in an anticyclone covering all but the N^m and SW^m parts of Europe. Lowest 29.4 ins. and less in a large and rather deep depression passing eastwards across the N. of Scandinavia. Barometer rising over the whole of western Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 16th January, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.				
				At 32° and M.S.L.	Dry Bulb.		Dir.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.				Dir.	Force (0 to 12.)	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°						°	°	Ins.		
SCANDINAVIA.	Haparanda ...	29.83	20	W	4	b	29.84	+ .34	18	16	- 7	Z	0	0	#	b	#	34	18	-	
	Hernösand ...	30.08	27	S	4	0	29.98	+ .04	43	40	+ 8	SW	2	0	#	0	#	43	32	-	
	Stockholm ...	30.31	36	Z	0	b	30.21	+ .02	37	35	0	W	4	0	#	b	#	43	34	-	
	Wisby ...	30.41	37	WNW	4	b	30.32	+ .02	38	37	- 1	W	4	0	#	b	#	39	34	-	
	Karlstad ...	30.36	36	WSW	2	b	30.25	- .04	38	37	+ 2	S	2	0	#	b	#	#	#	-	
	Bodö ...	29.89	34	SW	6	m	29.62	- .05	43	42	+ 8	SW	6	7	4	m	#	?	30	0.39	
	Christiansund ...	30.13	47	W	9	0	30.08	- .10	48	44	+ 6	WSW	8	0	6	c	#	48	42	0.12	
	Skudesnaes ...	30.48	43	SSW	4	0	30.43	00	45	42	+ 3	SW	4	0	3	0	#	45	37	#	
	Færder (Christiania Fjord)	30.38	41	WSW	3	b	30.26	- .08	40	39	0	WSW	5	0	3	b	#	41	39	-	
	Skagen (The Scaw)	30.45	42	NW	4	0	30.39	+ .03	44	41	+ 3	NW	5	m	1	0	#	45	39	-	
Fanö ...	30.61	42	SW	2	0	30.57	+ .04	41	40	- 1	WSW	2	0	#	0	#	42	41	-		
	Sumburgh Head	30.28	47	W	4	c	30.18	- .06	46	45	- 1	W	3	0	4	c	#	50	42	0.01	
	Stornoway ...	30.27	47	SW	4	c	30.18	- .09	45	44	- 2	WSW	6	0	6	0, c	#	48	43	0.03	
	Wick ...	30.32	43	E	1	b, c	30.24	- .09	41	41	- 3	SSW	2	0	1	b, c	#	48	40	-	
	Nairn ...	30.39	45	W	2	c	30.30	- .06	44	41	- 3	W	4	0	1	c	#	53	41	-	
	Aberdeen ...	30.43	37	SW	2	b	30.36	- .05	39	38	+ 4	SW	2	b, m	1	0, b	#	44	35	-	
	Leith ...	30.48	45	WSW	3	0	30.43	- .04	44	41	+ 1	SW	2	c	#	0	#	47	40	-	
	Shields ...	30.50	39	SW	1	m	30.54	- .01	35	34	- 6	SSW	2	b, m	2	m	#	46	34	-	
	Spurn Head ...	30.60	42	S	2	0	30.60	00	38	37	- 2	SSW	3	0	3	0	#	42	38	-	
	York ...	30.59	41	S	1	0	30.58	- .01	38	37	- 2	S	1	0	#	0	#	43	36	-	
	Loughborough ...	30.62	39	SSE	1	0	30.62	+ .03	33	33	- 7	SSE	2	f	#	0, m, g, f	#	41	29	-	
BRITISH ISLANDS.	Arrossan ...	30.48	47	SW	3	0	30.43	- .06	46	46	0	SSE	3	0, m, w	3	0	#	47	46	-	
	Malin Head ...	30.41	44	S	6	cm	30.35	- .06	44	44	+ 1	S	4	0, m	2	cm	#	44	40	-	
	Belmullet ...	30.47	48	SSW	4	0	30.38	- .04	49	47	+ 2	SSW	4	0	#	0	#	49	43	-	
	Donaghadee ...	30.53	44	SSW	4	c	30.47	- .03	46	46	+ 2	SSW	3	c	1	c	#	46	35	-	
	Liverpool (Bidston)	30.60	37	S	1	0	30.57	- .01	36	35	- 1	SSE	3	0	?	0	#	39	35	-	
	Holyhead ...	30.56	41	SE	1	0, g, m	30.52	- .03	44	42	+ 3	SE	1	0, g, m	0	0, g, m	#	44	38	-	
	Parsonstown ...	30.51	41	SE	1	c	30.43	- .08	45	44	+ 3	SE	1	0	#	c	#	46	40	-	
	Valencia ...	30.47	45	SE	3	0	30.39	- .08	50	48	+ 3	SSE	2	0, m, g	2	0, 0, m	#	50	44	-	
	Roche's Point ...	30.51	47	SE	3	0	30.44	- .06	50	49	+ 3	SSE	4	0	4	0	#	50	45	-	
	Pembroke (St. Ann's Hd.)	30.53	44	ESE	4	0	30.50	- .02	43	42	+ 3	SE	5	c	3	0	#	45	40	-	
	Scilly ...	?	49	E	4	cm	?	?	50	49	+ 1	ESE	3	0, m	2	cm	#	19	52	47	
	Prawle Point ...	30.35	46	ENE	4	c	30.52	- .01	47	47	+ 2	E	4	c	3	c	#	47	44	-	
	Jersey (St. Aubin's)	30.53	43	E	2	b, m	30.53	00	41	40	+ 1	E	2	b, m	2	b, c, m	#	46	38	-	
	Hurst Castle ...	30.59	45	ESE	3	0, m	30.58	+ .01	42	41	- 1	ENE	3	0, g, m	2	0, m	#	45	41	-	
	Dungeness ...	30.61	41	ENE	3	c	30.62	+ .02	37	36	- 4	E	3	0, m, g	2	c	#	45	36	-	
	North Foreland	30.64	41	SE	3	0	30.64	+ .03	39	37	- 2	E	4	0	3	0	#	42	39	-	
	London (Brixton) ...	30.62	39	E	1	b	30.63	+ .04	35	35	- 7	E	1	0, g, f	#	0, g, m, b	#	45	35	-	
	Oxford ...	30.66	32	Z	0	b	30.63	+ .03	35	35	- 5	SSE	1	f	#	b	#	41	30	-	
	Cambridge ...	30.64	42	SSE	1	0	30.64	+ .04	38	38	- 3	S	1	0, m, g	#	0	#	44	37	-	
	Yarmouth ...	30.58	43	SSE	2	c	30.61	+ .05	40	39	- 2	SSE	2	0, c	2	c, g, c	#	43	39	-	
GERMANY & HOLLAND.	Cuxhaven ...	30.64	37	SSW	1	0	30.61	+ .04	36	36	0	SW	1	0	#	0	#	39	36	-	
	Berlin ...	30.67	37	WSW	2	0	30.66	+ .04	35	34	- 2	W	2	0	#	0	#	37	31	-	
	Wiesbaden ...	*	*	*	*	*															
	Munich ...	30.62	24	NE	2	f	30.64	+ .04	23	23	0	NE	1	f	#	f	#	28	18	-	
	The Helder ...	30.65	40	Z	0	0	30.63	+ .04	38	36	- 3	SSW	1	0	1	0	#	41	37	-	
	Brussels ...	*	*	*	*	*	30.67	+ .04	31	31	- 2	E	1	f	#	f	#	34	30	-	
	Cape Gris Nez ...	30.54	36	E	2	m	30.54	+ .03	32	31	- 6	E	1	f	1	m	#	41	30	-	
	Paris ...	30.59	34	N	2	0	30.61	+ .05	30	30	0	N	2	0	#	0	#	40	30	-	
	Brest ...	30.47	50	E	1	c	30.45	+ .02	46	43	+ 4	E	1	0	2	c	#	54	41	-	
	Lorient ...																				
FRANCE & BELGIUM.	Rochefort ...	30.36	50	SE	3	b	30.38	+ .02	43	41	- 2	SE	3	0, c	#	b	#	57	41	-	
	Belfort ...	30.63	26	E	2	f	30.65	+ .08	24	24	- 4	ENE	1	f	#	f	#	37	23	-	
	Lyons ...	30.60	36	WSW	1	f	30.67	+ .10	30	30	- 2	SW	1	f	#	f	#	39	30	-	
	Nice ...	30.54	48	Z	0	b	30.59	+ .08	41	36	- 11	ENE	6	0, c	4	0	#	57	37	-	
	Perpignan ...	30.44	54	SE	3	0	30.48	+ .08	53	52	+ 1	E	2	0	#	0	#	55	52	0.16	
	Biarritz ...	30.26	50	E	2	0	30.32	+ .06	47	44	+ 2	ESE	3	0	?	0	#	54	45	-	
PENIN-SULA.	Corunna ...																				
	Lisbon ...	30.30	50	NNE	4	b	30.35	+ .12	45	44	- 1	NNE	3	0	#	b	#	55	45	-	
	Azores (P. Delgada)	30.22	59	SSE	5	0	30.19	- .03	60	55	0	SSE	5	0	6	0	#	63	59	-	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport. 0.0 hrs;

WEATHER CHARTS

FOR SUNDAY, 16th JANUARY, 1898

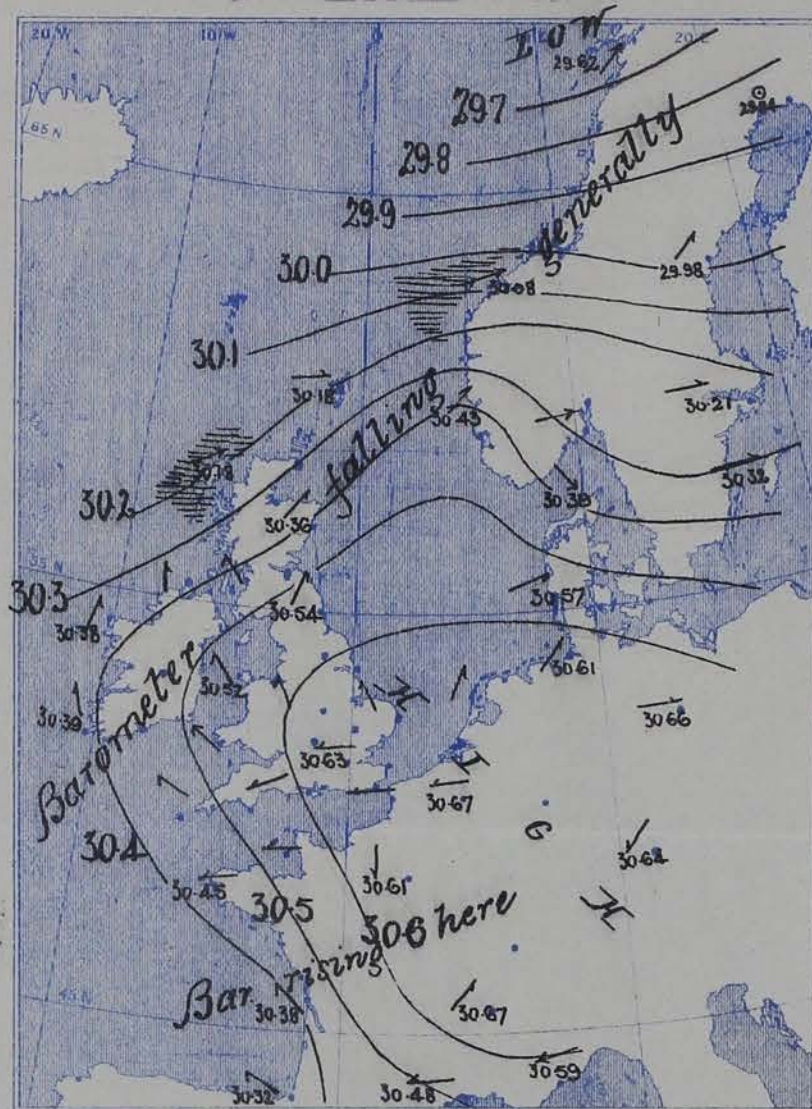
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ : Force 5 to 7 →→→ : } Calm ○
Force 8 to 10 →→→ : Force 1 to 4 →→→ :

SEA—Rough ≡≡≡ : High ≡≡≡

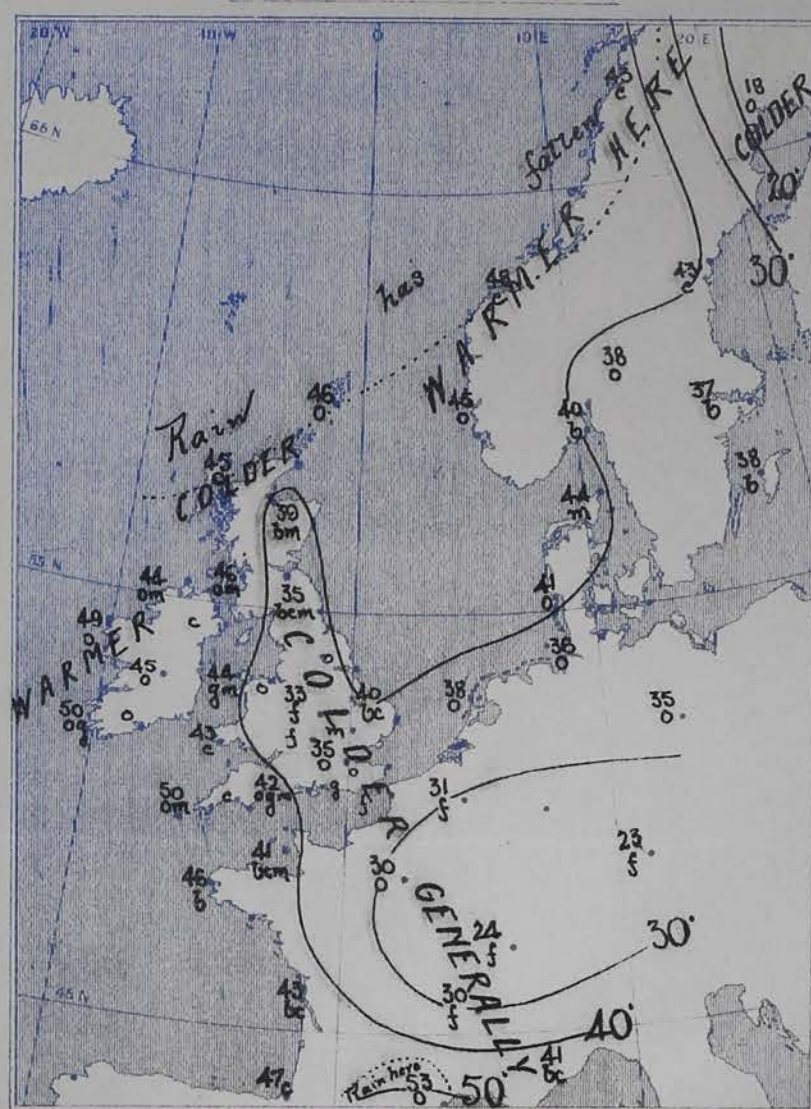


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866-95.	BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.					Means, 1881-95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum	Years.		Hours	Per cent. of possible.
	(Inches.)									(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3	8+
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 in. and upwards over Germany, the Netherlands, the S.E. of England and the E. of France, 30.1 in. and upwards in an anticyclone embracing all but the northern parts of our area.
 Lowest 29.7 in. and less in a depression lying off the N.W. of Norway.

TEMPERATURE

Gradients slight generally, but moderate over the western parts of Scandinavia.
 Barometer falling a little at all but our extreme S. and the French stations.
 Highest (1) 53° at Perpignan, and 47° at Biarritz; (2) 50° at Valencia (Ireland), Roch's Pt. and Scilly, and 49° at Belmullet.
 Lowest (1) 18° at Haparanda, (2) 23° at Munich, 24° at Belfort, 30° at Paris & Lyons, and 31° at Brussels.
 During yesterday the thermometer rose to 50° or more on several parts of our extreme N. and S.W. coasts, and to 53° at Hain. Over the central parts of England the daily maxima were mostly below 45°.

WIND

Light from the E. over France, Belgium and the extreme south of England.
 Light to moderate from the S.E. or S. on our western coasts, and from the S.W. in Scotland, strong to a gale from the latter quarter in the west of Norway; W. or S.W. over Sweden, Denmark, & N. Germany.

WEATHER

Fine at most stations on the E. coasts of St. Britain, as well as in the S. of Sweden & the W. of France. Cloudy or overcast elsewhere with fog over the central parts of England, France, Belgium and S. Germany, and rain at Rode.
 A little rain fell yesterday in the Shetlands, Hebrides and W. of Norway, as well as at Perpignan, but over W. Europe as a whole the weather remained very dry. Aurora was seen at Wick, and Aberdeen.

SEA

Slight or smooth generally, but rough at Stornoway and Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 17TH JANUARY 1898

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

NONE ISSUED

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

NONE ISSUED

WARNINGS

NONE ISSUED

Note. — The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes	30.49	44	44	W	2	f	3	Valencia	30.45	48	45	S	2	a	3
Sumburgh Head	30.27	49	47	W	3	c	4	Scilly	30.51	51	48	E	4	c	3
Stornoway	30.27	48	45	SW	4	o	5	Jersey	30.52	45	44	E	3	bc	3
Aberdeen	30.41	43	41	SW	1	cm	1	Hurst Castle	30.57	45	43	E	2	cm	1
Shields	30.55	46	44	SW	2	cm	2	Dungeness	30.59	44	42	E	3	bc	2
Ardrossan	30.49	46	46	SW	3	a	2	North Foreland	30.62	42	40	SE	2	c	2
Malin Head	30.40	44	43	S	6	c	4	London (Westminster)	30.59	46	41	SE	1	m	#
Belmullet	30.40	49	47	WSW	3	o	#	Yarmouth	30.58	43	42	E	2	cg	2
Holyhead	30.56	39	38	SE	2	ogm	1	Rochefort	30.43	55	50	SE	8	b	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning dull over western and northern Europe generally, with mist or fog in many places, rain at Christianmunt, Sumburgh H^d and Stornoway, and snow at Archangel, Hernösand and Helingsfors. Rain falling also at Perpignan. Fine in the northeast of Scotland, as well as over the west of France, Austria and the Adriatic. No important change occurring later, but aurora seen in the northeast of Scotland at night.

Temperature fallen generally. Morning readings, highest 61° at Sfax, 60° at La Calle, and 58° at Cagliari, Malta and Tunis; above 50° at the Mediterranean stations generally, and very little below it in the extreme southwest, west and north of our islands. Lowest (1) 19° at Hermannstadt, 22° at Kharkov, and 23° at Munich and Buda Pesth; (2) 25° at Haparanda, and 30° at Archangel, below the freezing point in most parts of eastern and central Europe. Daily maxima below 45° over our eastern and midland countries, but thermometer reaching 50° or more on some parts of our north and southwest coasts; exceeding 55° over the Spanish peninsula and the extreme south of France.

Wind light to moderate from the End or SEnd over the greater part of England and France, from the Snd in Ireland, and from the SWnd or Wnd over the northern parts of Gr. Britain. Chiefly Wnd over Scandinavia, Denmark, Russia and the Baltic, and strong in places, with a gale at Rode, Calm or variable in Austria; varying between N. and E. over Italy and the Spanish peninsula. No important change occurring over western Europe during day.

Barometer highest 30.8 ins. and upwards over eastern Austria; 30.3 ins. and upwards in an anticyclone covering all but the northern and extreme southwestern parts of the Continent. Lowest 29.2 ins. and less in a depression lying over the extreme north of Russia. Depression subsequently moving away to the eastward but new disturbance approaching the Norwegian coasts from the Atlantic, and barometer beginning to fall again in extreme north.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on *Monday 17th January,* 1898.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.	TEMPERATURE.				WIND.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.			Rainfall.
	At 32° and M.S.L.	Dry Bulb.	Dir.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dir.						Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.62	35	2	0	29.48	-.16	38	36	+ 20	SW	4	0	#	0	#	38	14		Ins.
	Hernösand ...	29.95	42	S	2	29.78	-.17	36	34	- 7	2	0	c	#	0	#	48	36		
	Stockholm ...	30.16	34	W	2	30.08	-.08	36	35	- 1	WSW	4	6	#	6	#	41	34		
	Wisby ...	30.26	39	W	4	30.23	-.03	38	37	0	SSW	4	6	#	6	#	39	36		
	Karlstad ...	30.20	35	2	0	30.11	-.09	38	37	0	WSW	2	0	#	6	#	#	#		
	Bodö ...	29.57	44	SW	8	29.38	-.19	42	41	- 1	SW	8	7	5	7	#	44	41	1.38	
	Christiansund ...	29.95	46	W	6	29.71	-.24	48	46	0	W	8	7	7	0	#	50	32		
	Skudesnaes ...	30.32	42	S	4	30.17	-.15	43	42	- 2	S	6	0	4	c	#	45	39		
	Færder (Christiania Fjord)	30.23	39	WSW	4	30.13	-.10	41	40	+ 1	WSW	6	m	4	6	#	41	39		
	Skagen (The Scaw)	30.34	42	WNW	5	30.28	-.06	43	41	- 1	W	4	m	1	m	#	45	41		
BRITISH ISLANDS.	Fanö ...	30.50	42	WSW	4	30.44	-.06	39	38	- 2	SW	5	0	#	0	#	43	39		
	Sumburgh Head	30.08	44	SW	2	29.80	-.28	47	47	+ 1	SW	4	7	5	c	#	48	44	0.09	
	Stornoway ...	29.99	49	WSW	7	29.93	-.06	44	44	- 1	W	3	0	3	0, r, w	0.0	49	41	0.45	
	Wick ...	30.10	44	2	0	29.91	-.19	47	46	+ 6	W	4	c	1	6	#	47	40		
	Nairn ...	30.15	49	WSW	5	29.97	-.18	49	46	+ 5	SW	5	c	3	0	#	50	36		
	Aberdeen ...	30.24	45	SSW	3	30.10	-.14	47	44	+ 8	SW	3	c	2	6, g	3.4	48	39		
	Leith ...	30.30	44	SW	1	30.16	-.14	50	48	+ 6	SW	3	c	#	6	#	50	40		
	Shields ...	30.43	39	SSW	1	30.32	-.11	41	41	+ 6	SSW	2	m	2	m	#	44	34		
	Spurn Head ...	30.50	37	S	3	30.41	-.09	34	33	- 4	SW	3	f	3	f	#	39	33		
	York ...	30.49	35	S	2	30.41	-.08	33	33	- 5	S	2	f	#	f	0.0	38	29		
GERMANY & HOLLAND.	Loughborough ...	30.54	36	SSW	2	30.45	-.09	35	35	+ 2	SSE	1	of	#	of, om	#	36	33		
	Ardrossan ...	30.33	48	S	4	30.20	-.13	48	48	+ 2	S	4	om	14	om	#	48	45		
	Malin Head ...	30.25	46	S	6	30.09	-.16	48	47	+ 4	S	6	og	4	om	#	48	44		
	Belmullet ...	30.24	49	SSW	5	30.15	-.09	50	49	+ 1	WSW	4	0	#	0	#	50	47		
	Donaghadee ...	30.35	46	SSW	4	30.25	-.10	47	45	+ 1	SSW	5	c	3	c	#	48	34		
	Liverpool (Bidston)	30.45	36	SE	3	30.40	-.05	33	33	- 3	SE	2	m	?	of, m	#	38	32	0.01	
	Holyhead ...	30.45	46	SW	3	30.35	-.10	47	45	+ 3	S	3	m	2	om	#	47	42		
	Parsonstown ...	30.35	48	SE	1	30.28	-.07	44	43	- 1	2	0	6	#	0	0.0	50	44		
	Valencia ...	30.33	50	SSE	3	30.27	-.06	51	50	+ 1	S	3	og	3	om	0.0	52	47		
	Roche's Point ...	30.40	50	SSW	4	30.36	-.04	50	49	0	SW	3	c	3	c	#	53	49		
FRANCE & BELGIUM.	Pembroke (St. Ann's Hd.)	30.45	43	ESE	4	30.38	-.07	47	46	+ 4	SE	4	ogm	3	0	0.9	47	42		
	Scilly ...	30.40	51	ESE	2	30.36	-.04	51	50	+ 1	S	2	cw	2	6	4.7	54	48		
	Prawle Point ...	30.49	46	NE	2	30.42	-.07	48	47	+ 1	S	2	og	2	6	#	50	45		
	Jersey (St. Aubin's)	30.49	46	2	0	30.46	-.03	38	38	- 3	2	0	6f	0	6, b, m, w	#	51	37		
	Hurst Castle ...	30.52	44	E	3	30.45	-.07	42	41	0	E	2	an	2	g, c, w	#	46	41		
	Dungeness ...	30.55	38	ENE	3	30.48	-.07	38	37	+ 1	SW	1	0	1	m, f	#	41	32		
	North Foreland	30.58	37	E	2	30.50	-.08	36	36	- 3	WSW	1	of	1	0	#	39	35		
	London (Brixton) ...	30.56	37	ESE	1	30.50	-.06	31	30	- 4	S	1	f	#	of, omg	0.0	39	31		
	Oxford ...	30.56	35	SW	1	30.49	-.07	33	33	- 2	S	1	of	#	of	#	37	32	0.01	
	Cambridge ...	30.57	38	SSE	1	30.48	-.09	33	33	- 5	S	1	f	#	of	0.0	40	32		
PENIN- SULA.	Yarmouth ...	30.55	39	S	3	30.45	-.10	35	35	- 5	SSW	2	f	2	c	#	41	34		
	Cuxhaven ...	30.57	37	SW	1	30.52	-.05	35	35	- 1	SW	1	0	#	0	#	37	34		
	Berlin ...	30.63	35	W	2	30.60	-.03	33	32	- 2	?SW	2	0	#	0	#	37	32		
	Wiesbaden ...	#	#	#	#	30.63		27	27		SW	1	0	#	#	#	30	27		
	Munich ...	30.62	23	E	2	30.61	-.01	18	18	- 5	S	1	6	#	f	#	25	16		
	The Helder ...	30.61	36	SSW	1	30.49	-.12	30	30	- 8	SSE	1	f	1	0	#	41	28		
	Brussels ...	#	#	#	#	30.56	-.11	25	25	- 6	2	0	m	#	f	#	32	23		
	Cape Gris Nez ...	30.48	35	E	1	30.41	-.07	36	34	+ 4	SW	2	f	1	f	#	37	28		
	Paris ...	30.57	33	NE	1	30.53	-.04	27	27	- 3	N	1	f	#	f	#	33	26		
	Brest ...	30.42	51	ESE	1	30.41	-.01	45	43	- 1	E	2	6	2	0	#	52	41		
FRANCE & BELGIUM.	Lorient ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
	Rochefort ...	30.41	50	E	3	30.44	+ 0.03	45	42	+ 2	ESE	4	0	#	6	#	54	41		
	Belfort ...	30.65	22	ENE	2	30.63	-.02	21	21	- 3	2	0	f	#	f	#	30	19		
	Lyons ...	30.65	32	2	0	30.61	-.04	28	28	- 2	ESE	1	f	#	f	#	39	27		
	Nice ...	30.60	45	NE	2	30.56	-.04	38	36	- 3	2	0	6	4	6	#	52	37		
	Perpignan ...	30.50	52	NE	2	30.48	-.02	53	53	0	SE	2	7	#	7	#	53	51	0.63	
	Biarritz ...	30.27	53	ENE	3	30.32	-.05	50	47	+ 3	SE	2	c	2	0	#	61	43		
	Corunna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
	Lisbon ...	30.34	53	NNW	4	30.36	+ 0.02	45	44	0	NNE	2	6	#	6	#	55	45		
	Azores (P. Delgada)	30.22	61	SSE	5	30.22	+ 0.03	59	58	- 1	SSE	5	0	4	0	#	63	59	0.08	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport. 0.0 hrs;

WEATHER CHARTS

FOR MONDAY, 17TH JANUARY, 1898

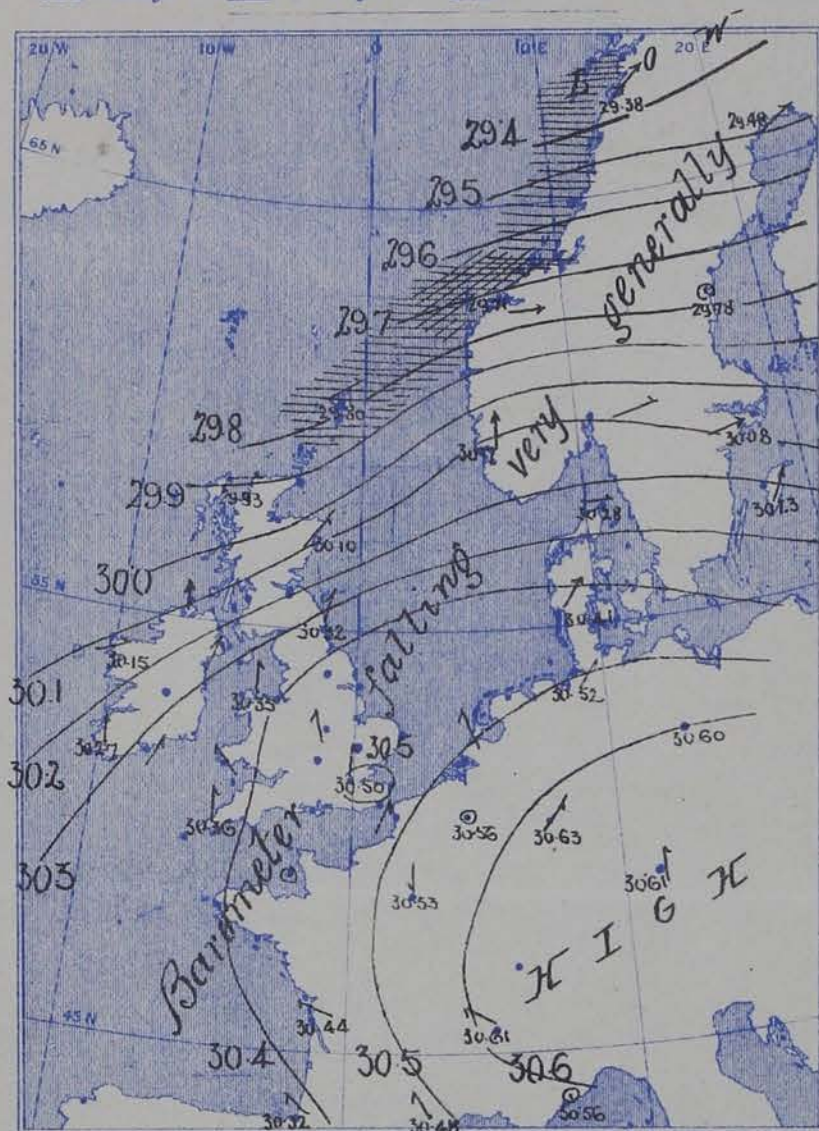
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ ; Force 5 to 7 →→→ ; Force 3 to 4 →→→ ; Force 1 to 2 →→→ ; Force 1 to 4 →→→ ; Calm ☉

SEA—Rough ≡≡≡ ; High ≡≡≡

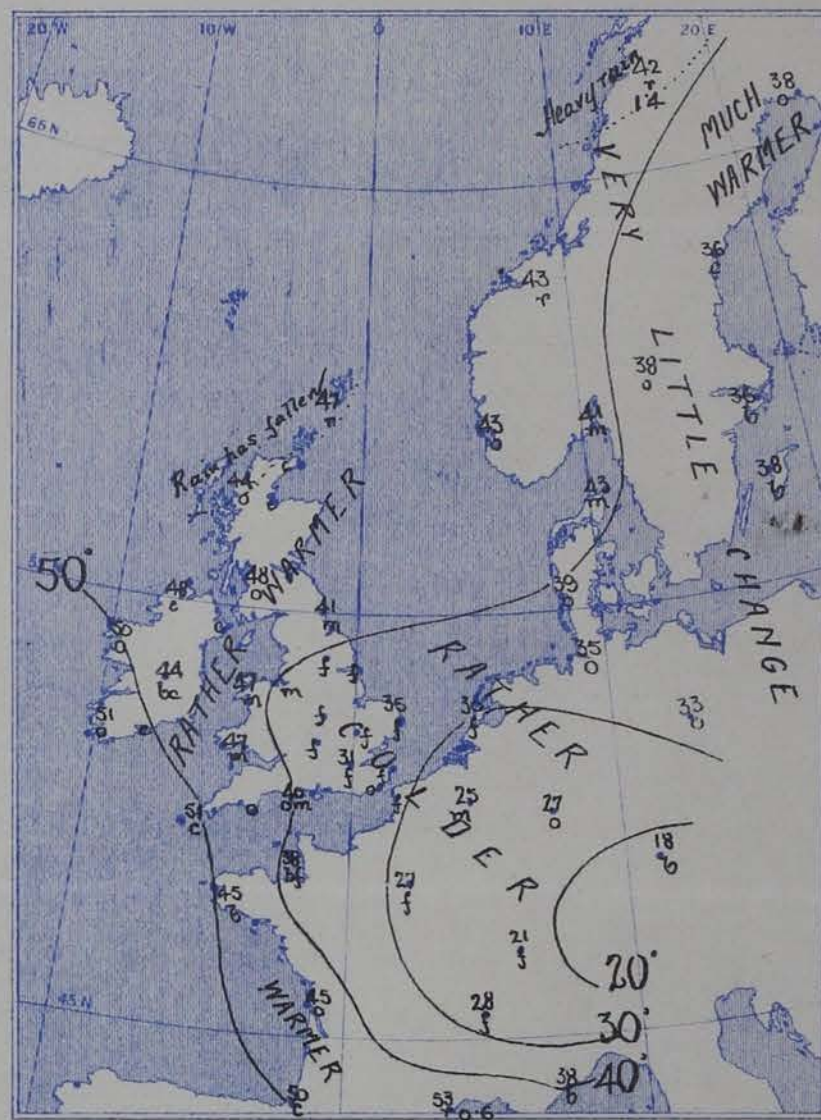


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)									(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	— 4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3*	8*
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

High at 30.6 ins. and upwards over Germany and the E. of France, 30.2 ins. and upwards in an anticyclone embracing all but the northern parts of our area.
Lowest 29.4 ins. and less in a depression lying off the N.W. of Norway.
Gradients moderate to rather steep over Scandinavia and the N. of Scotland, but slight elsewhere.
Barometer falling generally, - most in the extreme N.

TEMPERATURE

High (1) 53° at Perpignan, and 50° at Biarritz; (2) 51° at Valencia (Ireland) and Seilly, and 50° at Leich, Belmullet and Roches Point.
Lowest (1) 18° at Munich, 21° at Belfast, 25° at Brussels, and 27° at Paris and Wiesbaden; (2) 31° in London and 33° at York, Liverpool, Oxford and Cambridge.

WIND

Frost occurred last night over the inland parts of England, the lowest reading reported in the screen being 29° at York.
S. or SW. over the greater part of our islands, light or moderate in force generally, but strong at Malin Head.
SW. or W. over Scandinavia and Denmark, with gales on the west coasts of Norway.
Light from the E. or SE. over the greater part of France.

WEATHER

Cloudy or dull over W. Europe as a whole; with fog in many parts of England, France and the Netherlands, and with rain in the Shetlands and the W. of Norway, as well as at Perpignan.
Fine and bright in the S. of Sweden, and also at Munich and Nice.
A considerable quantity of rain fell yesterday at Stornoway and Bodø, and also at Perpignan, but in other parts of our area the weather remained dry. Aurora was seen last night at Wick and Aberdeen.

SEA

High at Christianund, and rather rough at Bodø and Inverlurg, but moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is again inclined to give way, but the change is proceeding very slowly. No decided alteration in the weather is anticipated during the ensuing 24 hours.

FORECASTS

For the 24 hours ending at NOON on 18TH JANUARY 1898

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

W. and SW. winds, increasing in force, cloudy, some rain.
SW. winds, light or moderate, fair generally, but misty or foggy in places.
S. winds, light, fair generally, but misty or foggy in places.



DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

S. winds, freshening, cloudy, some rain.
S. winds, moderate, fair generally.
Same as N^o 6.
None issued.

WARNINGS

Note. - The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.37	43	42	SSW	4	o	3	Valencia ...							
Sumburgh Head								Scilly ...							
Stornoway ...	30.07	49	47	W3W	6	o	7	Jersey ...	30.50	49	46	ENE	2	6	2
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	30.56	38	37	ENE	3	m	2
Ardrossan ...								North Foreland	30.60	38	37	E	2	o	2
Malin Head ...	30.25	47	46	S	6	o	3	London (Westminster)							*
Belmullet ...	30.32	50	48	SSW	5	c	*	Yarmouth ...							
Holyhead ...								Rocheport ...	30.38	53	49	ESE	4	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Continental information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 9TH TO 15TH JANUARY 1898.

Shortly after the commencement of this week an anticyclone advanced over Ireland and England from the westward, the system ultimately uniting with another large area previously existing over N. and central Europe. In the extreme N. and NW. of our islands the weather was influenced throughout the greater part of the week by large depressions which appeared in the far N. and which moved eastwards across the N. parts of Scandinavia, the passage of each disturbance being attended by freshening SW. winds, and rain, in the northern parts of Scotland and Ireland. In other parts of the Kingdom, however, anticyclonic conditions ruled throughout, the wind being at first SW., but afterwards shifting to the E. in all the more southern districts. The weather was mostly fair and dry, but fog or mist was very frequent, especially over the central parts of England and France.

Temperature was mostly above the average, especially in the W. and N. where the thermometer exceeded 50° very generally between the 11th and 13th. Night frosts were fairly common in the earlier part of the week, but were in no case of very great severity.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on

Tuesday 18th January,

1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.			
				At 32° and M.S.L.	Dry Bulb.		Dirac.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.					Dirac.	Force (0 to 12.)	Max.	Min.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.	
SCANDINAVIA.	Haparanda ...	29.40	40	WSW	6	0	29.65	+ .17	31	31	- 7	W	6	b	#	0	#	41	12	-	
	Hernösand ...	29.77	43	SW	4	0	30.02	+ .24	34	30	- 2	S	2	c	#	0	#	45	32	-	
	Stockholm ...	30.01	43	W	6	0	30.18	+ .10	40	39	+ 4	SW	2	o	#	0	#	43	34	-	
	Wisby ...	30.22	40	W	6	b	30.29	+ .06	40	39	+ 2	WSW	6	o	#	0	#	41	36	-	
	Karlstad ...	30.05	42	WSW	6	0	30.14	+ .03	41	40	+ 3	SSW	2	o	#	0	#	#	#	-	
	Bodö ...	29.38	38	WSW	9	z	29.53	+ .15	35	34	- 7	W	8	m	6	tr	#	42	34	1.18	
	Christiansund ...	29.94	41	WSW	6	bc	29.68	- .03	42	37	- 6	S	3	c	6	bc	#	48	39	0.47	
	Skudesnaes ...	30.15	45	S	4	0	30.09	- .08	44	44	+ 1	S	7	of	5	of	#	45	39	#	
	Færder (Christiania Fjord)	30.08	42	SSW	6	m	30.10	- .03	42	41	+ 1	SW	6	m	4	m	#	43	41	-	
	Skagen (The Scaw)	30.24	43	WNW	4	0	30.25	+ .03	43	42	0	WSW	4	m	1	o	#	45	43	-	
BRITISH ISLANDS.	Fanø ...	30.39	41	SW	4	0	30.37	- .07	41	41	+ 2	SW	4	o	#	0	#	41	37	-	
	Sumburgh Head	30.00	42	Z	0	b	29.51	- .29	47	45	0	S	5	r	6	o.b	#	48	42	0.07	
	Stornoway ...	29.94	44	WSW	3	0	29.42	- .51	48	47	+ 4	SW	7	rg	7	o	0.0	48	42	0.30	
	Wick ...	30.02	43	S	3	0	29.56	- .35	48	46	+ 1	S	5	o	3	o	#	48	43	0.02	
	Nairn ...	30.02	43	Z	0	c	29.61	- .36	48	44	- 1	WSW	4	c	2	c	#	49	40	0.28	
	Aberdeen ...	30.10	47	SSW	4	ogg	29.77	- .33	49	44	+ 2	SW	9	cgr	6	ogg	0.0	49	46	-	
	Leith ...	30.17	49	SW	3	0	29.84	- .32	50	46	0	SSW	5	bc	#	0	#	53	47	-	
	Shields ...	30.27	45	SSW	3	bc	30.05	- .27	48	46	+ 7	SSW	4	cu	2	bc	#	48	38	-	
	Spurn Head ...	30.37	37	SSW	3	bm	30.26	- .15	41	40	+ 7	S	3	b	3	f.bm	#	41	34	-	
	York ...	30.34	38	SSE	1	0	30.18	- .23	44	43	+ 11	S	2	b	#	f.o	0.0	44	32	-	
GERMANY & HOLLAND.	Loughborough ...	30.41	40	SSE	1	0	30.30	- .15	43	42	+ 8	SSW	3	bcu	#	cm, o, bc	#	43	35	-	
	Ardrossan ...	30.17	48	S	3	om	29.85	- .35	48	48	0	S	7	r	6	cm, om	#	48	46	0.03	
	Malin Head ...	30.03	49	S	6	cm	29.67	- .42	48	48	0	S	7	orm	4	cm	#	50	47	0.05	
	Belmullet ...	30.08	51	SW	5	0	29.78	- .37	51	50	+ 1	WSW	8	om	#	o	#	52	49	0.15	
	Donaghadee ...	30.22	49	SE	4	c	29.94	- .31	49	47	+ 2	SW	7	c	5	c	#	50	44	-	
	Liverpool (Bidston)	30.35	43	SE	2	0	30.20	- .20	49	45	+ 16	SSW	3	bc	3	o	#	49	33	-	
	Holyhead ...	30.31	49	SW	3	cm	30.12	- .23	50	48	+ 3	SSW	6	cmu	4	cfd, cm	#	50	45	0.03	
	Parsonstown ...	30.23	48	SE	1	b	30.01	- .27	50	48	+ 6	SW	2	or	#	b	4.3	53	43	-	
	Valencia ...	30.21	51	S	4	og	30.03	- .24	51	50	0	S	6	rmg	5	ag	0.0	53	50	0.12	
	Roche's Point ...	30.30	50	SW	3	bc	30.16	- .20	52	51	+ 2	SW	6	o	4	bc	#	54	49	-	
FRANCE & BELGIUM.	Pembroke (St. Ann's Hd.)	30.34	50	SW	3	0	30.24	- .14	50	49	+ 3	SW	5	bc	4	o	0.2	50	47	-	
	Scilly ...	30.34	53	S	3	cm	30.31	- .05	52	50	+ 1	SSW	4	cu	2	cu	2.0	35	49	-	
	Prawle Point ...	30.43	48	S	2	c	30.38	- .04	50	49	+ 2	SSW	3	c	2	c	#	51	47	-	
	Jersey (St. Aubin's)	30.45	44	NE	1	bf	30.45	- .01	39	39	+ 1	WSW	1	bmw	1	bm, bf, b	#	51	37	0.01	
	Hurst Castle ...	30.43	44	ENE	2	f	30.40	- .05	50	48	+ 8	SW	3	c	2	bm, f	#	51	41	-	
	Dungeness ...	30.45	41	Z	0	o	30.42	- .06	46	46	+ 8	SSW	2	bw	1	c, o	#	47	34	-	
	North Foreland	30.47	37	WSW	1	f	30.42	- .08	39	39	+ 3	S	3	f	2	bc, f	#	43	30	0.02	
	London (Brixton) ...	30.45	35	SSW	1	gf	30.40	- .10	42	40	+ 11	SW	2	bc	#	gf, fw	0.0	43	30	-	
	Oxford ...	30.45	39	SW	1	0	30.37	- .12	44	43	+ 11	S	3	o	#	f, o	#	44	32	-	
	Cambridge ...	30.45	35	SW	1	f	30.38	- .10	41	41	+ 8	SW	2	omg	#	f	0.6	42	31	-	
PENIN- SULA.	Yarmouth ...	30.40	36	SW	1	f	30.37	- .08	38	37	+ 3	SSW	2	baf	3	f	#	38	30	-	
	Cuxhaven ...	30.46	32	SW	2	f	30.43	- .09	29	29	- 6	SSW	2	f	#	f	#	37	28	-	
	Berlin ...	30.54	30	SW	2	0	30.53	- .07	28	28	- 5	SSW	2	f	#	o	#	36	28	-	
	Wiesbaden ...	#	#	#	#	#	30.60	- .03	25	25	- 2	SW	2	o	#	#	#	28	25	-	
	Munich ...	30.57	24	Z	0	f	30.58	- .03	18	18	0	N	1	f	#	f	#	28	16	-	
	The Helder ...	30.45	37	SW	1	f	30.42	- .07	38	38	+ 8	SSW	1	f	1	f	#	39	28	-	
	Brussels ...	#	#	#	#	#											#	#	#	#	
	Cape Gris Nez ...	30.40	34	SW	1	f	30.37	- .04	38	35	+ 2	SW	1	f	1	f	#	39	28	-	
	Paris ...	30.50	29	Z	0	f	30.52	- .01	24	24	- 3	Z	0	f	#	f	#	31	24	-	
	Brest ...	30.41	50	SE	1	c	30.39	- .02	49	48	+ 4	SSE	1	o	2	c	#	54	41	-	
FRANCE & BELGIUM.	Lorient ...																				
	Rocheport ...	30.43	47	SE	2	b	30.46	+ .02	41	41	- 4	S	3	m	#	o, b	#	52	37	-	
	Belfort ...	30.56	27	E	1	f	30.58	- .05	23	23	+ 2	Z	0	f	#	f	#	36	21	-	
	Lyons ...	30.58	31	N	1	f	30.60	- .01	27	27	- 1	ENE	1	f	#	f	#	31	26	-	
	Nice ...	30.50	44	Z	0	b	30.50	- .06	39	34	+ 1	E	2	b	1	b	#	52	36	-	
	Perpignan ...	30.46	53	Z	0	o	30.49	+ .01	47	47	- 6	N	2	o	#	o	#	59	45	0.24	
PENIN- SULA.	Biarritz ...	30.35	54	ENE	3	b	30.39	+ .07	45	43	- 5	E	3	b	2	b	#	61	45	-	
	Corunna ...																				
	Lisbon ...	30.37	51	N	4	b	30.41	+ .05	47	44	+ 2	NNE	3	b	#	b	#	55	46	-	
Azores (P. Delgada)		30.28	60	WSW	4	0	30.27	+ .05	61	60	+ 2	SSW	4	o	4	o	#	63	59	0.16	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport. 0.0 hrs;

WEATHER CHARTS

FOR TUESDAY, 18TH JANUARY, 1898

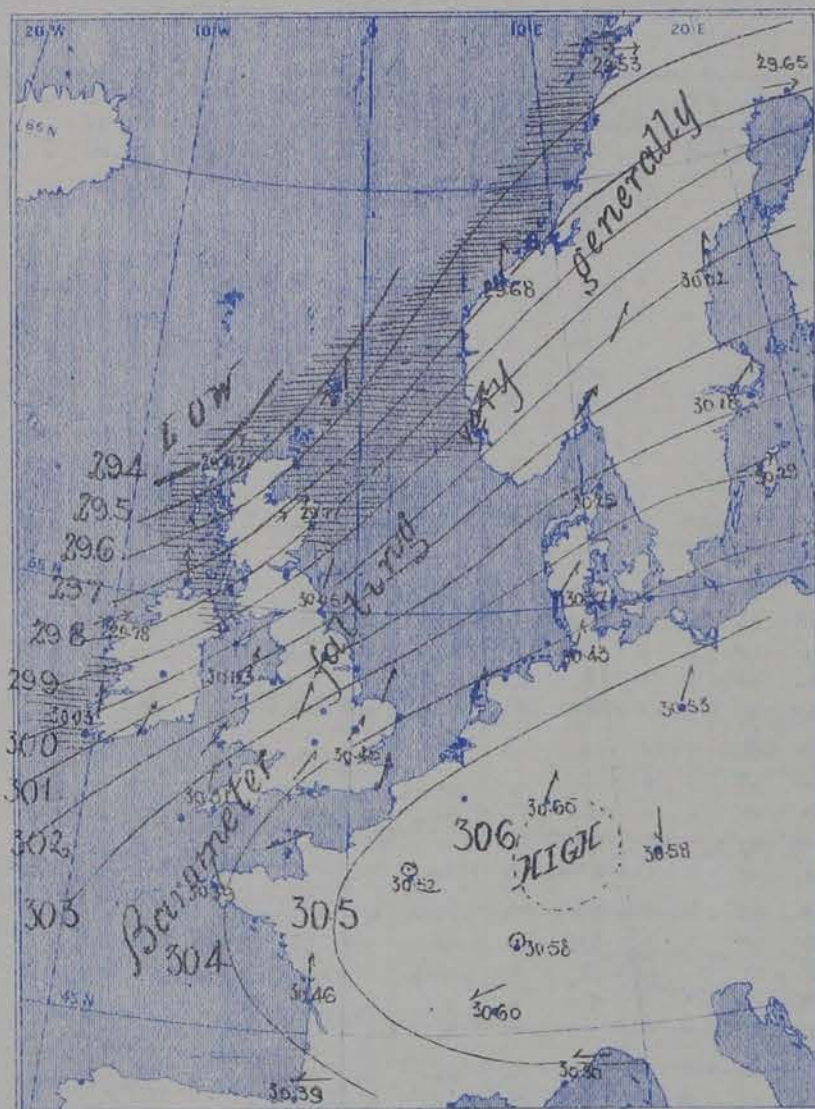
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 → → → → → Force 5 to 7 → → → → → } Calm ☉
Force 8 to 10 → → → → → Force 1 to 4 → → → → →

SEA—Rough ≡ ≡ ≡ ≡ ≡ High ≡ ≡ ≡ ≡ ≡

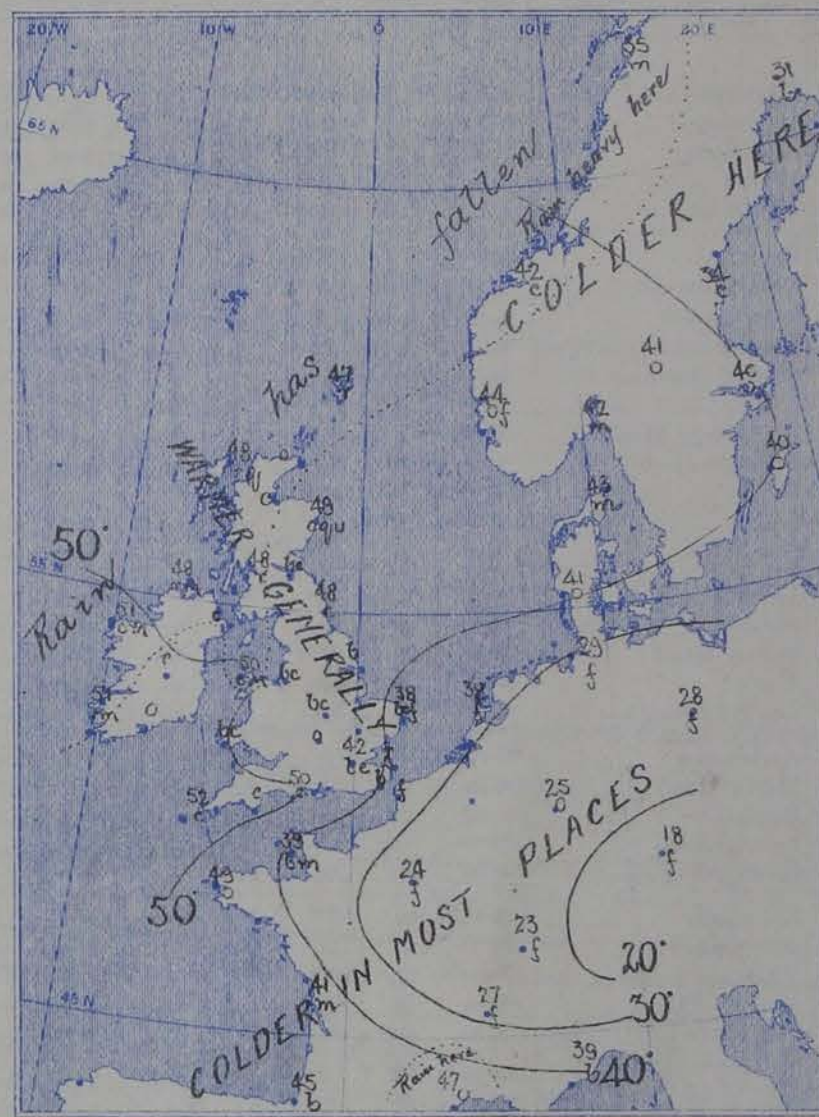


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours	Per cent. of possible
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)									(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.736	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	32.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Rocha's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.932	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.969	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.31	8+
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.965	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

+ The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 ins. to 30.4 ins. in an anticyclone covering Germany, France and the SE^m counties of England.
Lowest 29.4 ins. and less in a depression - the centre of which lay to the north-westward of the Hebrides.
Gradients had become steep for SW^m winds over Ireland, Scotland and Norway.
Barometer falling fast in the north and west, slowly and unsteadily over the southern and eastern counties of England.

TEMPERATURE

Highest 52° to 50° at the southern-coast and western stations in our Islands, 48° at Ardrossan and Birmyngham, 47° at Birmingham H^t.
Lowest 18° at Munich, 23° at Belfort, 24° at Paris, 25° at Wiesbaden, 28° at Berlin, 29° at Cuxhaven.
It was rising rapidly all over England, and the rise appeared to be spreading S^{ubs} and E^{ubs}.

WIND

Very light and anticyclonic over Germany and France, S² and SW² over the British Islands - light over the southern, central and eastern parts of England, strong in Ireland, very strong on our north-western coasts.
Its tendency was to increase in force over our Islands generally.

WEATHER

Very foggy over France and Germany, fair over the SE^m parts of England, dull elsewhere, with rain in the W. and NW. and a threatening appearance at Aberdeen.
Rain had fallen at our N^m and extreme W^m stations, much fog prevailed in the E. and S. of England during the preceding 24 hrs. as well as over the Continent, and yet there had been as much as 5 hrs. of bright sunshine at Eastbourne and Hastings, 4 hrs. at Parsonstown, but none over the N^m parts of G. Britain, nor at Valencia (Ireland).

SEA

High in the Minch, rough and rising on our NW^m and extreme W^m coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The foggy weather over England seems to have broken up entirely. The present distribution of pressure and wind, and the changes in progress are favourable for a spell of mild wet weather - especially over our W^m and N^m districts, where gales from between S. and W. are probable. These may spread over England later, but the conditions do not justify the issue, at present of warnings to any but our W^m and N^m stations.

FORECASTS

For the 24 hours ending at NOON on 19TH JANUARY 1898

DISTRICTS.

FORECASTS.

- 1 SCOTLAND NORTH
- 2 SCOTLAND EAST
- 3 ENGLAND N.E.
- 4 ENGLAND EAST
- 5 MIDLAND COUNTIES
- 6 ENGLAND SOUTH

SW^m winds, strong to a gale, rainy.
S^m winds freshening, fair to showery, mild.
Same as N^o 5.
Same as N^o 2.
S^m and SW^m winds, moderate to fresh, fair, very mild.

DISTRICTS.

FORECASTS.

- 7 SCOTLAND WEST
- 8 ENGLAND N.W.
- 9 ENGLAND S.W.
- 10 IRELAND NORTH
- 11 IRELAND SOUTH

S^m and SW^m winds, strong to a gale, squally, rain at times.

At 9.45 am. today to districts 0, 1 and 6 to 10. Hoist South Cone.

WARNINGS

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Direc.						Dry.	Wet.	Direc.			
Skudesnaes ...	30.13	45	45	SSW	6	of	4	Valencia ...	30.24	53	51	S	4	og	4
Sumburgh Head	29.95	45	42	W	3	o	5	Scilly ...	30.35	53	51	SSE	3	c	2
Stornoway ...	30.01	44	44	W	2	o	2	Jersey ...	30.45	49	46	E	2	bom	2
Aberdeen ...	30.10	48	45	SW	4	og	3	Hurst Castle ...	30.43	46	45	ENE	2	bom	1
Shields ...	30.27	46	44	SSW	2	b	2	Dungeness ...	30.44	42	42	SW	1	c	1
Ardrossan ...	30.17	48	48	S	3	c	3	North Foreland	30.47	43	42	WSW	1	b	1
Malin Head ...	30.05	49	48	S	6	c	3	London (Westminster)	30.45	36	35	S	1	f	#
Belmullet ...	30.12	52	50	WSW	5	o	#	Yarmouth	30.41	38	37	SW	2	f	2
Holyhead ...	30.33	48	48	SSW	3	cf	2	Rocheport ...	30.37	51	48	SSE	3	o	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE
DURING THE PAST 24 HOURS.

Weather in morning dull over central Europe, foggy over the E^m parts of France and England, overcast in Ireland, cloudy in Scotland, rainy over the Shetlands and N.W. of Norway. Heavy rain at Bodø later, and considerable falls at Christiana and Stornoway, and smaller quantities in the W. of Ireland. Much fog prevalent over England and the Continent.

Temperature risen over Scotland and the N. of Ireland, fallen over France and the S.E.^m half of England, but changing irregularly at the English stations generally. Morning readings, highest 51° at Saily and Valencia, 50° at Roches Pt. and Belmullet, 49° at Nain, 48° at Christiansund. Lowest 11° at Tier, 23° at Hermanstadt, 30° at Lemberg (2) 18° at Munich, 21° at Belfort, and below 30° all over S. Germany and the E. of France, (3) 31° in London, 33° at Oxford and Cambridge, little change during the day, but a decided rise occurring over the British Islands at night.

Wind light and anticyclonic over central Europe, France and the Netherlands, S.³ and light over England, S.² moderate to strong in Ireland, SW² over Scotland, W² to SW² over Norway and blowing hard both at Christiansund and Bodø. Very little change later beyond an increase in force of wind from the Snd over Ireland.

Barometer highest 30.6 ins. and more over the 3^{rd} parts of central Europe, and exceeding 30.4 ins. over the whole of Germany, Austria, France and the greater part of England. Lowest 29.4 ins. and less over the E^{th} parts of Lapland, and below 29.8 ins. over the Shetland Islands, gradients rather steep over Scotland and Scandinavia. Rising decidedly over Norway and the Shetland Isles, but falling slowly over Ireland and England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
 „ Weekly „ „ „ £1 10 0 „ „

DAILY WEATHER REPORT

for 8 a.m. on Wednesday 19th January, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.				
				At 89° and M.S.L.	Dry Bulb.		Dirac.	Force (0 to 12.)	At 39° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.				Dirac.	Force (0 to 12.)	Max.	Min.	Rainfall.
Ins.		°				Ins.	Ins.	°	°	°							°	°	Ins.		
SCANDINAVIA.	Haparanda ...	29.31	33	WSW	6	0	28.76	-.89	37	34	+ 6	WSW	6	c	#	0	#	41	28	0.08	
	Hernösand ...	29.46	42	S	4	0	29.40	-.62	39	38	+ 5	SW	4	b	#	0	#	45	32	0.04	
	Stockholm ...	29.91	41	SW	6	0	29.71	-.47	47	44	+ 7	SW	6	0	#	0	#	47	37	-	
	Wisby ...	30.19	36	WSW	8	0	29.97	-.32	41	39	+ 1	WSW	3	0	#	0	#	41	34	-	
	Karlstad ...	29.89	41	SW	6	0	29.73	-.41	44	42	+ 3	SW	4	b	#	0	#	#	#	-	
	Bodo ...	28.90	43	SW	8	r	28.73	-.80	40	39	+ 5	SW	9	r	7	r	#	43	34	0.63	
	Christiansund ...	29.18	49	SW	9	0	29.36	-.32	43	39	+ 1	WSW	9	r	8	0	#	50	39	0.28	
	Skudesnaes ...	29.76	46	S	8	0	29.80	-.29	45	45	+ 1	S	7	r	5	0	#	46	39	#	
	Færder (Christiania Fjord)	29.84	43	SSW	8	m	29.73	-.37	43	43	+ 1	SSW	7	m	5	m	#	43	41	-	
	Skagen (The Scaw)	30.07	44	SW	5	0	29.92	-.33	47	46	+ 4	WSW	5	m	1	0	#	47	41	0.04	
BRITISH ISLANDS.	Fanø ...	30.23	41	SW	4	0	30.17	-.20	44	44	+ 3	SW	5	0	#	0	#	45	39	-	
	Sumburgh Head	29.39	49	SW	6	0	29.34	-.17	50	48	+ 3	W	5	0	6	r, 0	#	50	43	0.10	
	Stornoway ...	29.57	46	W	5	0	29.42	-.00	51	50	+ 3	WSW	5	r	5	0	0.0	51	43	0.15	
	Wick ...	29.97	49	WNW	5	b	29.43	-.13	54	52	+ 6	W	7	b	2	b	#	56	45	-	
	Nairn ...	29.62	50	W	3	b	29.52	-.09	53	50	+ 5	W	6	c	5	b	#	58	45	0.11	
	Aberdeen ...	29.69	50	SSW	6	b	29.65	-.12	53	49	+ 4	SW	8	c	5	og, b	0.0	53	47	-	
	Leith ...	29.80	51	WSW	4	r	29.77	-.07	56	52	+ 6	WSW	5	0	#	r	#	57	45	0.01	
	Shields ...	30.00	52	SSW	4	0	29.95	-.10	53	51	+ 5	SW	3	c	2	c, 0	#	55	48	-	
	Spurn Head ...	30.15	48	SSW	5	r	30.14	-.12	49	47	+ 8	SW	5	c	4	c, or	#	49	41	-	
	York ...	30.08	51	WSW	4	c	30.10	-.08	54	51	+ 10	SW	3	0	#	c	0.0	54	43	-	
GERMANY & HOLLAND.	Loughborough ...	30.23	50	SSW	4	r	30.23	-.07	49	47	+ 6	SW	4	c	#	c, r, b	#	53	43	0.07	
	Ardrossan ...	29.87	49	WSW	4	r	29.85	.00	50	50	+ 2	S	5	p	4	r	#	50	47	0.39	
	Malin Head ...	29.81	49	WSW	6	opm	29.69	+ .02	51	51	+ 3	SSW	6	c	5	omp	#	52	48	0.06	
	Belmullet ...	29.90	50	WSW	5	0	29.79	+ .01	53	52	+ 2	WSW	6	0	#	0	#	53	49	0.20	
	Donaghadee ...	29.96	52	SW	6	c	29.89	-.05	54	52	+ 5	SW	6	c	4	c	#	54	48	0.03	
	Liverpool (Bidston)	30.13	50	SW	3	p	30.13	-.07	54	51	+ 5	SW	4	c	4	p	#	54	48	0.02	
	Holyhead ...	30.11	50	SW	8	ragm	30.09	-.03	51	51	+ 1	SW	8	ragm	6	ragm	#	51	48	0.46	
	Parsonstown ...	30.04	52	SW	2	r	29.99	-.02	54	52	+ 3	SW	3	od	#	or, c	0.0	55	49	0.11	
	Valencia ...	30.07	53	S	3	og	30.04	+ .01	53	53	+ 2	S	6	ogm	5	rm, og	0.0	53	50	0.58	
	Roche's Point ...	30.12	53	SW	7	r	30.13	-.03	52	52	0	SW	6	r	4	r	#	53	50	0.40	
FRANCE & BELGIUM.	Pembroke (St. Ann's Hd.)	30.21	50	WSW	7	r	30.21	-.03	51	50	+ 1	SW	7	0	5	r	0.0	51	50	0.33	
	Scilly ...	30.30	52	SSW	5	c	30.33	+ .02	52	50	0	SSW	5	c	4	o, c	0.4	54	50	-	
	Prawle Point ...	30.38	50	SSW	4	c	30.39	+ .01	50	49	0	SSW	4	c	3	c	#	51	49	-	
	Jersey (St. Aubin's)	30.47	49	SE	2	ogm	30.48	+ .03	49	48	+ 10	SSW	4	c	3	c, ogm	#	49	38	-	
	Hurst Castle ...	30.39	50	SW	4	c	30.38	-.02	50	49	0	SW	4	om	3	om, c	#	51	49	-	
	Dungeness ...	30.40	47	SSW	3	b	30.39	-.03	49	48	+ 3	SSW	4	0	3	c, b	#	51	46	-	
	North Foreland	30.42	45	S	3	b	30.39	-.03	48	47	+ 9	SW	3	b	2	f, c, b	#	51	39	-	
	London (Brixton) ...	30.38	48	SSW	2	c	30.36	-.04	49	47	+ 7	WSW	2	c	#	o, c	0.7	52	41	-	
	Oxford ...	30.34	49	SSW	3	0	30.33	-.04	50	48	+ 6	SSW	3	0	#	0	#	52	43	-	
	Cambridge ...	30.32	48	SSW	3	b	30.30	-.08	49	48	+ 8	SSW	4	0	#	b	1.3	51	39	-	
PENIN- SULA.	Yarmouth ...	30.30	46	SW	2	b	30.28	-.09	48	47	+ 10	SW	3	b	3	b	#	48	35	0.01	
	Cuxhaven ...	30.36	30	SW	2	0	30.30	-.13	36	36	+ 7	SW	4	0	#	f, 0	#	37	29	-	
	Berlin ...	30.50	32	SSE	2	b	30.49	-.04	29	28	+ 1	SSW	2	b	#	b	#	32	27	-	
	Wiesbaden ...	#	#	#	#	#	30.63	+ .03	24	24	- 1	SW	1	0	#	#	#	28	23	-	
	Munich ...	30.60	22	SE	2	f	30.63	+ .05	15	15	- 3	E	3	b	#	f	#	25	14	-	
	The Helder ...	30.36	41	SSW	3	b	30.32	-.10	42	42	+ 5	SW	4	m	2	b	#	43	36	-	
	Brussels ...	#	#	#	#	#	30.51		39	38		S	3	0	#	b	#	45	30	-	
	Cape Gris Nez ...	30.36	45	SSW	4	m	30.36	-.01	47	45	+ 9	SW	4	c	3	m	#	47	32	-	
	Paris ...	30.54	30	2	0	b	30.56	+ .04	35	35	+ 11	SE	1	m	#	f	#	35	24	-	
	Brest ...	30.43	50	SSE	2	0	30.45	+ .06	50	49	+ 1	SW	1	c	2	0	#	52	43	-	
GERMANY & HOLLAND.	Lorient ...	30.47	50	ENE	2	m	30.52		50	50		SSW	2	0	3	m	#	55	41	-	
	Rochefort ...	30.45	45	SE	2	m	30.44	+ .08	38	37	- 3	SE	2	f	#	m	#	48	36	-	
	Belfort ...	30.63	23	2	0	f	30.67	+ .09	16	16	- 7	2	0	f	#	f	#	29	15	-	
	Lyons ...	30.64	28	ENE	1	f	30.68	+ .08	26	26	- 1	S	1	f	#	f	#	31	26	-	
	Nice ...	30.52	46	2	0	b	30.51	+ .01	44	33	+ 5	E	2	b	#	b	#	54	39	-	
FRANCE & BELGIUM.	Perpignan ...	30.54	45	NE	1	b	30.55	+ .06	38	36	- 9	W	2	b	#	b	#	53	37	-	
	Biarritz ...	30.42	46	E	3	m	30.45	+ .06	43	43	- 2	E	2	m	2	m	#	59	43	-	
	Corunna ...	#	#	#	#	#	30.51		39	38		S	3	0	#	b	#	45	30	-	
	Lisbon ...	30.47	53	NNE	4	b	30.49	+ .08	47	45	0	NNE	4	b	#	b	#	59	46	-	
	Azores (P. Delgada)	30.34	60	SW	3	b	30.32	+ .05	58	56	- 3	SSW	3	0	3	b	#	63	57	-	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport... 2 hrs;

WEATHER CHARTS

FOR WEDNESDAY, 19TH JANUARY, 1898

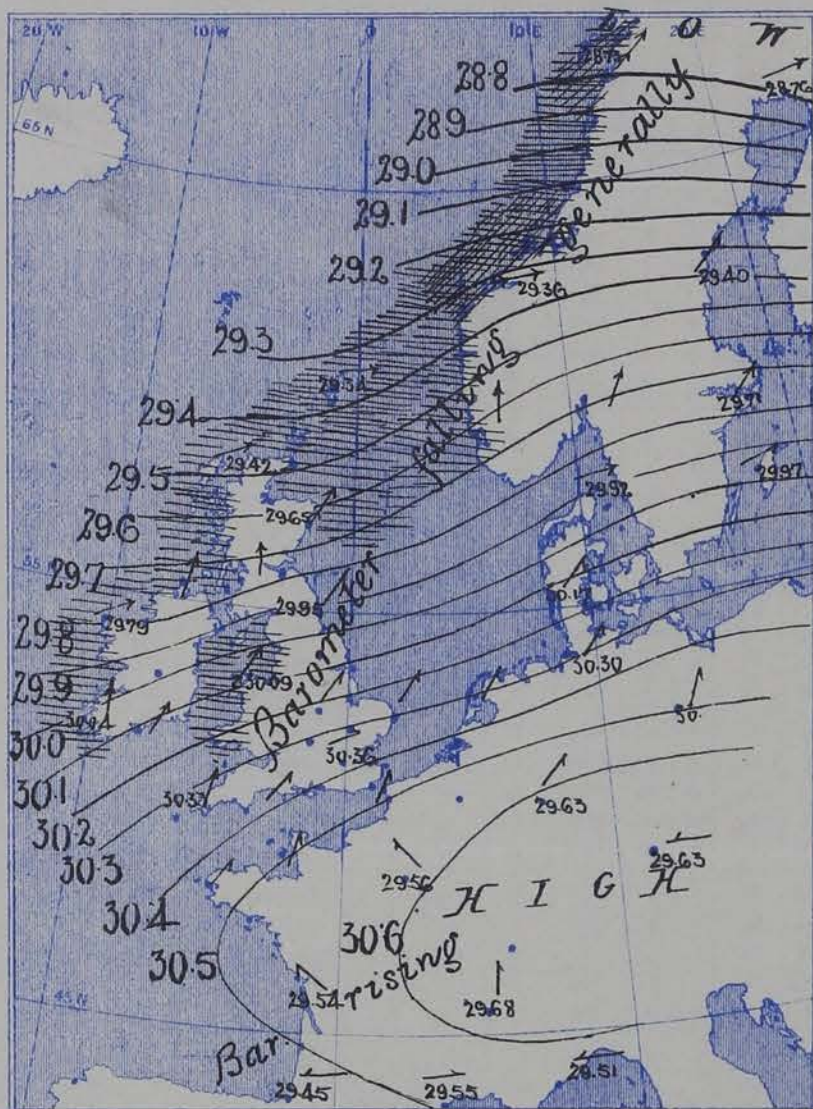
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ : Force 5 to 7 →→→ : } Calm ○
Force 8 to 10 →→→ : Force 1 to 4 →→→ :

SEA—Rough ≡≡≡ : High ≡≡≡

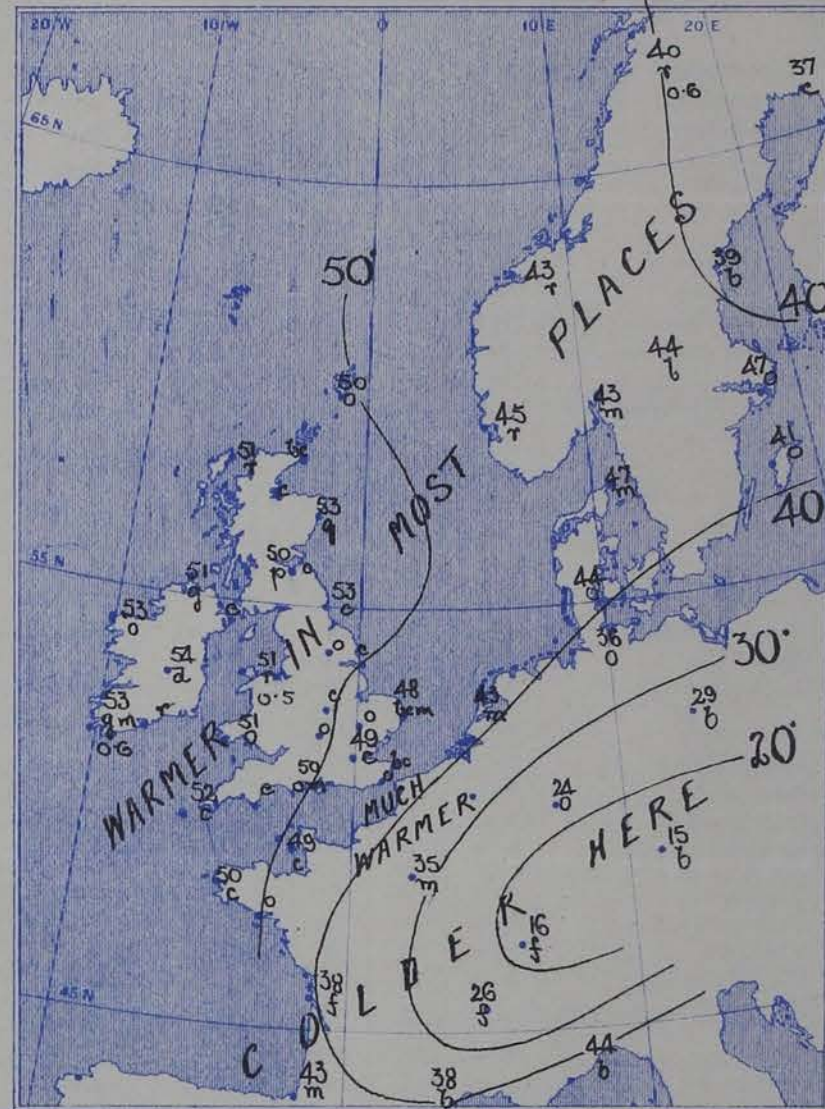


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)									(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3†	8†
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 ins. and more to 30.4 ins. in an anticyclone covering the central and western parts of Continental Europe.
 Lowest Below 29.4 ins. over the Shetlands, and below 28.8 ins. over Lapland and Finmark.
 Gradients very slight over Germany and France, steep over the British Islands, the North Sea and Scandinavia.
 Barometer fallen very fast in the far N., and was falling slowly over our Islands - most in the W.

TEMPERATURE

Highest 56° at Leith, 54° at Wick and York, and above 50° over almost the whole of our islands.
 Lowest 15° F. at Munich, 16° at Belfort, 29° at Berlin, 35° at Paris, 36° at Copenhagen.
 The reading at Leith was 17° above the mean value for the time of year. The warm weather is spreading southwards to France.

WIND

SW² over our Islands, the North Sea, and Scandinavia generally. It was moderate in force at our southern and eastern stations, strong to a gale in the west and north. Over France and Germany anticyclonic air prevailed.

WEATHER

Fine over Germany and France, but hazy or foggy in places, fine over Sweden, cloudy or overcast elsewhere, squally, and at times rainy over Scotland, Ireland & the NW. of England. Rain has fallen generally in the W. and N. - rather heavily in some parts of Ireland, and at Bodø. The heavy rain recently reported from Perpignan seem to have ceased. Bright Sunshine recorded yesterday amounted to 3.8 hrs. at Hastings, 3.3 hrs. at Eastbourne, 1.3 hrs. at Cambridge, 0.7 hr. in London. In Ireland and Scotland there was none.

SEA

Rough on our N^m and W^m coasts, slight to smooth in the Channel, and off our E. coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No decided change is indicated at present.

FORECASTS

For the 24 hours ending at NOON on 20TH JANUARY 1898

DISTRICTS.

FORECASTS.

- 1 SCOTLAND NORTH
- 2 SCOTLAND EAST
- 3 ENGLAND N.E.
- 4 ENGLAND EAST
- 5 MIDLAND COUNTIES
- 6 ENGLAND SOUTH

SW² winds, strong to a gale, mild, rainy.
 SW² winds, moderate to fresh, cloudy, mild.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

SW² and S² winds, strong, a gale in places, mild, rainy at times.

WARNINGS

The South Cone is still up in districts 0, 1 and 6 to 10.

Note. - The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.91	45	44	S	8	o	5	Valencia ...	30.03	53	53	SSW	5	tg	5
Sumburgh Head ...	29.34	48	47	S	7	7	6	Scilly ...	30.20	53	51	SSW	5	c	4
Stornoway ...	29.45	48	46	W	5	o	5	Jersey ...	30.44	48	46	SE	3	c	3
Aberdeen ...	29.67	51	47	SW	8	ogq	6	Hurst Castle ...	30.38	50	48	SW	4	om	3
Shields ...	29.98	51	48	SSW	5	c	2	Dungeness ...	30.40	50	49	SW	3	c	2
Ardrossan ...	29.83	49	49	S	4	7	4	North Foreland ...	30.41	50	47	SW	3	c	2
Malin Head ...	29.69	50	50	S	5	7	5	London (Westminster) ...	30.35	53	49	SW	3	bc	#
Belmullet ...	29.83	51	50	WSW	5	o	#	Yarmouth ...	30.31	46	45	SSW	3	bc	3
Holyhead ...	30.10	50	49	SW	8	tg, gm	7	Rochefort ...	30.52	46	45	ESE	2	m	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fine in the E. and S.E. of England, but with fog locally, cloudy or dull in other parts of our Islands, with rain in Ireland and the W. of Scotland. Foggy over the central parts of the Continent generally, and cloudy in the N.^m and E.^m countries, with rain at St. Petersburg, and snow at Buda Pesth; fine over Italy, Spain and the S. of France. Rain falling later in the W. and extreme N. of our Islands generally, and also over the N.^m parts of Scandinavia.

Temperature risen briskly over England, fallen in many of the Continental countries. Morning readings highest (1) 56° at Malta, 55° at Cagliari, and 52° at Tunis, (2) 52° at Roche's Pt. and Scilly, touching 50° at several of our own W.^m and S.^m stations. Lowest 18° at Munich, 22° at Hermandstadt, and 23° at Buda Pesth and Belfort; below the freezing point over central Europe generally. Rising during day to 50° and upwards in nearly all parts of our Islands, and to 58° at Nairn, exceeding 50° also in the W. and S. of France.

Wind S.^W or SW.^W over northwestern Europe as a whole, and strong to a gale in force on many parts of our own western and northern coasts, as well as in the west of Norway. W.^W or NW.^W in Russia, calm or variable in Austria and Italy; E.^W or NE.^W over the Spanish peninsula and south of France. Subsequently veering to the W.^W on our own extreme northwest coasts; no important change occurring elsewhere.

Barometer highest 30.7 ins. and upwards over E.^m Austria, 30.3 ins. and upwards in an anticyclone embracing all the more central and S.^m parts of the Continent, and extending over the S. and E. of England. Lowest 29.3 ins. and less in a depression passing away across the N. of Russia; 29.4 ins. and less in a new disturbance approaching the NW. of Scotland. Latter system moving N.E.^W later, and barometer rising again on our W.^m coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
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DAILY WEATHER REPORT

for 8 a.m. on Thursday 20th January,

1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)											PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.		Rainfall.		
				At 32° and M.S.L.	Dry Bulb.		Dirac.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.					Dirac.	Force (0 to 12.)		Max.	Min.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.		
SCANDINAVIA.	Haparanda ... †	28.86	33	W	6	o	28.84	+ .08	23	21	- 14	NW.	4	c	#	o	#	39	30	0.20		
	Hernösand ...	29.02	40	SW	6	c	29.34	- .06	37	33	- 2	W	8	b	#	c	#	45	34	0.04		
	Stockholm ...														#		#					
	Wisby ...														#		#					
	Karlstad ...														#		#					
	Bodo ...	28.74	35	SE	4	m	29.14	+ .41	31	29	- 9	NW	6	o	3	m	#	40	28	-		
	Christiansund ...	28.88	44	W	9	r	29.61	+ .25	38	35	- 5	NW	9	c	8	r	#	45	36	1.58		
	Skudesnaes ...	29.60	47	SW	8	o	30.02	+ .22	41	40	- 4	W	5	c	5	o	#	47	39	#		
	Færder (Christiania Fjord)	29.46	45	SW	8	m	29.87	+ .14	41	38	- 2	SW	4	b	4	m	#	45	41	-		
	Skagen (The Scaw)	29.84	46	WSW	6	m	30.00	+ .08	42	39	- 5	NW	4	b	0	m	#	50	41	0.04		
Fanø ...	30.06	45	SW	6	o	30.15	- .02	43	43	- 1	W	3	c	#	o	#	46	43	-			
BRITISH ISLANDS.	Sumburgh Head	29.43	43	W	7	o	29.91	+ .57	39	38	- 11	W	3	o	6	r.o	#	52	39	0.33		
	Stornoway ...	29.71	42	W	5	c	30.01	+ .59	39	37	- 12	W	2	o	2	r.g.c	#	51	35	0.40		
	Wick ...	29.67	39	WNW	7	c	30.03	+ .60	38	36	- 16	NW	2	b	1	c	#	60	35	0.02		
	Nairn ...	29.75	42	W	2	c	30.07	+ .45	37	35	- 16	WSW	1	c	1	r.c	#	54	35	0.14		
	Aberdeen ...	29.76	45	NW	9	cq	30.13	+ .48	37	35	- 16	SW	2	b	2	p.cq	#	59	36	0.03		
	Leith ...	29.72	54	WSW	5	r	30.15	+ .38	38	37	- 18	Z	0	m	#	r	#	58	36	0.01		
	Shields ...	29.59	54	SW	4	o	30.17	+ .22	46	46	- 7	Z	0	om	#	c.o.r	#	56	45	0.08		
	Spurn Head ...	30.07	52	SSW	5	o	30.22	+ .08	47	46	- 2	SSW	3	o	3	o	#	53	47	-		
	York ...	30.03	54	W	3	o	30.21	+ .11	51	50	- 3	S	1	f	#	o	#	57	50	-		
	Loughborough ...	30.18	53	SW	4	o	30.26	+ .03	51	50	+ 2	SW	2	c	#	c.g.o.g.o	#	54	49	-		
BRITISH ISLANDS.	Ardrossan ...	29.87	49	SW	4	r	30.15	+ .30	41	41	- 9	NNE	1	ofw	1	r	#	51	40	0.12		
	Malin Head ...	29.89	46	W	4	r	30.13	+ .44	44	44	- 7	W	2	om	3	r	#	53	43	0.22		
	Belmullet ...	29.97	50	NW	4	o	30.17	+ .38	43	42	- 10	W	3	o	#	o	#	53	42	0.20		
	Donaghadee ...	29.92	55	SW	6	r	30.15	+ .26	47	46	- 7	W	4	b	2	r	#	58	45	0.12		
	Liverpool (Bidston)	30.07	52	SW	6	o	30.21	+ .08	52	49	- 2	SW	3	o	3	o	#	55	49	-		
	Holyhead ...	30.08	51	SW	8	ogm	30.21	+ .12	50	50	- 1	SW	5	fz	4	ogm	#	52	50	0.03		
	Parsonstown ...	30.02	54	SW	3	r	30.18	+ .19	48	48	- 6	Z	0	om	#	o.r	#	57	48	0.15		
	Valencia ...	30.09	54	SW	5	om	30.20	+ .16	52	52	- 1	S	4	om	5	omg	#	54	51	0.30		
	Roche's Point ...	30.16	53	SW	6	r	30.25	+ .12	51	51	- 1	SW	5	om	4	r	#	53	50	0.15		
	Pembroke (St. Ann's Hd.)	30.22	51	WSW	6	o	30.28	+ .07	50	50	- 1	WSW	5	f	4	o	#	51	50	0.02		
BRITISH ISLANDS.	Scilly ...	30.31	53	SW	5	o	30.36	+ .03	53	52	+ 1	SW	4	c	5	c.o	#	56	50	0.05		
	Prawle Point ...	30.36	50	SW	4	c	30.42	+ .03	50	50	0	WSW	4	c	3	c.m	#	52	49	0.01		
	Jersey (St. Aubin's)	30.47	50	SSW	3	cg	30.49	+ .01	49	48	0	SW	3	b	3	o.cgw	#	51	47	-		
	Hurst Castle ...	30.36	50	SW	4	c	30.41	+ .03	50	49	0	SW	5	ow	3	om.c	#	51	49	-		
	Dungeness ...	30.36	49	SW	4	c	30.40	+ .01	49	49	0	SW	4	op	3	c	#	51	48	0.02		
	North Foreland	30.35	50	SW	5	c	30.38	- .01	50	49	+ 2	SW	3	o	2	b.c	#	52	47	0.15		
	London (Erixton) ...	30.32	51	SW	3	ov	30.37	+ .01	51	50	+ 2	SW	2	op	#	c.g.b.c.p	#	53	49	0.02		
	Oxford ...	30.29	51	SSW	5	c	30.35	+ .02	51	50	+ 1	SW	2	or	#	o.c	#	55	49	-		
	Cambridge ...	30.24	51	SSW	4	o	30.32	+ .02	51	51	+ 2	SW	3	o	#	o	#	54	48	-		
	Yarmouth ...	30.20	50	SW	4	b	30.28	- .00	50	48	+ 2	WSW	3	b	3	b.c.m.b	#	52	46	-		
GERMANY & HOLLAND.	Cuxhaven ...	30.24	41	SW	5	o	30.23	- .07	44	44	+ 8	WSW	4	r	#	f.o.r	#	45	36	0.12		
	Berlin ...	30.40	35	Z	0	b	30.34	- .15	36	35	+ 7	WSW	3	o	#	b	#	41	29	-		
	Wiesbaden ...	#	#	#	#	#	30.58	- .05	29	29	+ 5	SW	1	o	#	#	#	29	24	-		
	Munich ...	30.60	22	E	2	f	30.60	- .03	16	16	+ 1	NE	3	f	#	f	#	27	14	-		
	The Helder ...	30.24	45	SW	5	o	30.29	- .03	46	45	+ 3	SW	3	o	3	o	#	46	43	0.04		
FRANCE & BELGIUM.	Brussels ...	#	#	#	#	#	30.47	- .04	42	42	+ 3	SW	4	m	#	o	#	42	37	-		
	Cape Gris Nez ...	30.34	48	WSW	4	o	30.35	- .01	49	47	+ 2	W	3	f	3	o	#	50	45	-		
	Paris ...	30.53	45	S	2	o	30.54	- .02	40	?	+ 5	S	2	o	#	o	#	46	35	-		
	Brest ...	30.44	50	SW	2	o	30.45	- .00	50	49	0	SSW	2	b	2	o	#	54	43	-		
	Lorient ...	30.49	48	SW	3	c	30.52	- .00	49	49	- 1	SSW	1	o	1	c	#	55	48	-		
	Rochefort ...	30.55	44	NNE	2	m	30.54	- .00	40	39	+ 2	NE	2	f	#	f.m	#	45	37	-		
FRANCE & BELGIUM.	Belfort ...	30.58	32	Z	0	m	30.64	- .03	18	18	+ 2	E	1	f	#	m	#	?	16	-		
	Lyons ...	30.64	28	NNE	1	f	30.65	- .05	26	26	0	NNE	1	f	#	f	#	32	24	-		
	Nice ...	30.50	45	E	1	b	30.49	- .02	43	33	- 1	E	1	b	1	b	#	57	41	-		
	Perpignan ...	30.52	45	SE	2	b	30.50	- .05	34	33	- 4	W	2	b	#	b	#	54	33	-		
	Biarritz ...	30.47	43	ENE	3	m	30.50	+ .05	39	39	- 4	ENE	3	m	2	m	#	50	39	-		
	PENIN- SULA.	Corunna ...																#				
Lisbon ...		30.46	53	N	3	b	30.47	- .02	45	42	- 2	NNE	4	b	#	b	#	59	45	-		
Azores (P. Delgada)		30.26	60	S	5	b	30.19	- .13	60	57	+ 2	S	5	c	6	b	#	63	55	0.12		

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport. 0.0 hrs;

WEATHER CHARTS

FOR THURSDAY, 20th January, 1898

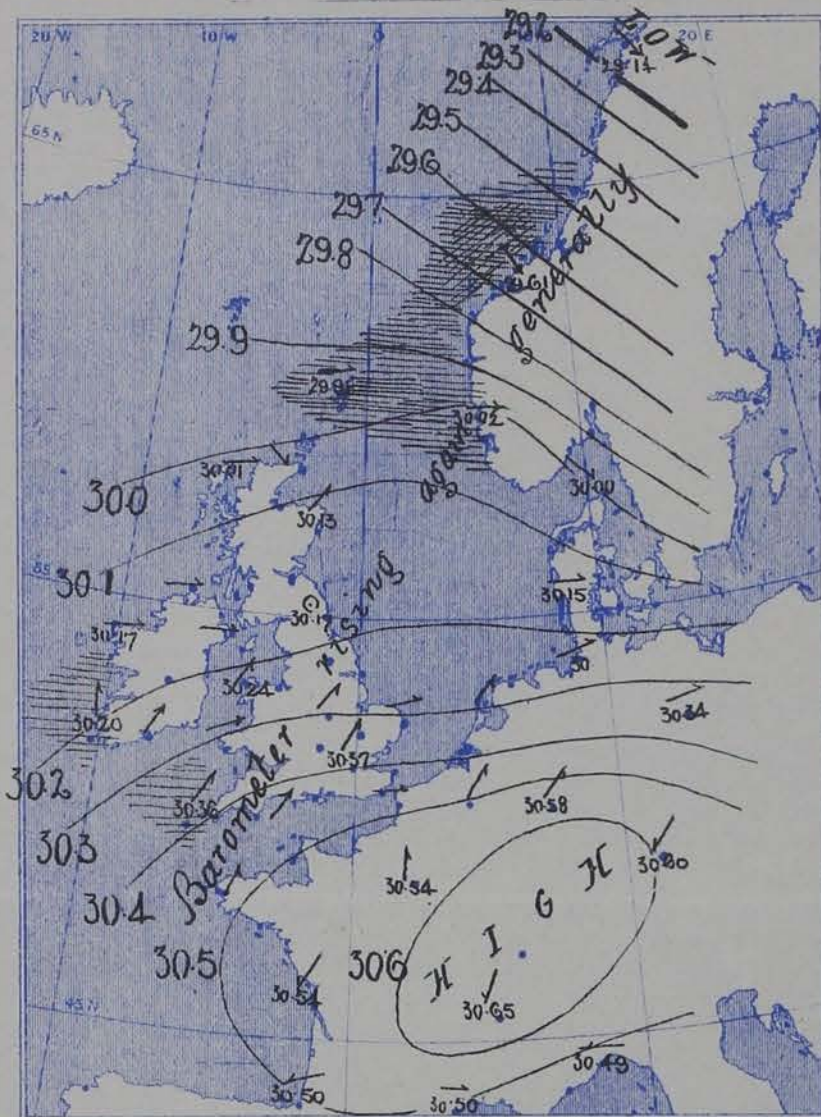
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 → → → ; Force 5 to 7 → → → ; Force 8 to 10 → → → ; Force 1 to 4 → → → ; Calm ☉

SEA—Rough ≡ ≡ ≡ ; High ≡ ≡ ≡

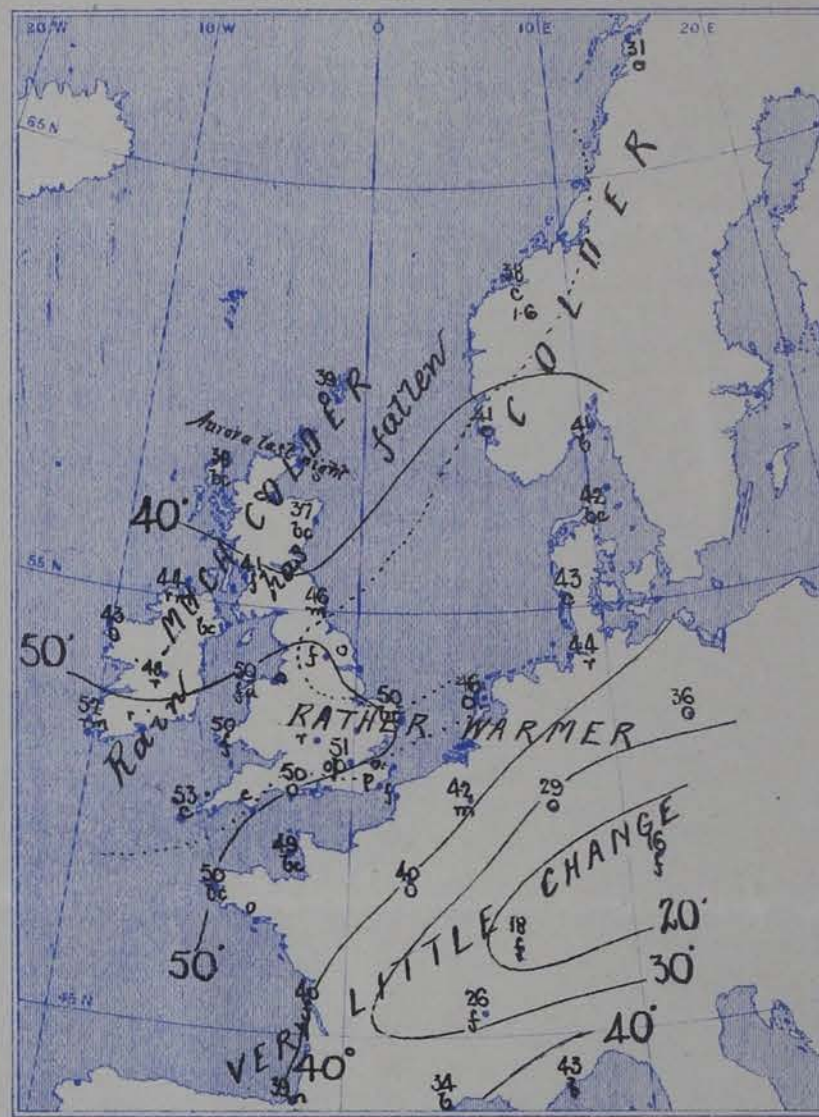


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours	Per cent. of possible
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)									(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	— 4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1880, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.932	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3	8+
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 in. to 30.4 in. in an anticyclone covering Germany, France and the English Channel.
 Lowest Below 29.2 in. over Lapland, and below 29.9 in. over the Shetland Islands.
 Gradients slight. Barometer rising over our Islands, very little in the W. of Ireland, but falling decidedly over the Azores.

TEMPERATURE

Highest 53° at Scilly, and exceeding 50° over all the southern parts of our Islands.
 Lowest (1) 16° at Munich, 18° at Belfast, 29° at Wiesbaden, (2) 31° at Rode, 37° to 38° in the N.E. and E. of Scotland.
 The changes over Scotland have been unusually large. At Wick the thermometer after rising to 60° yesterday, fell again to 38° by 6 p.m., and a very similar change occurred at Aberdeen.

WIND

NW³ and strong, on the Norwegian coast; variable and very light in Scotland; SW³ (S. to W.) and moderate over Ireland and England; light and anticyclonic over France.
 Gales were experienced yesterday from SW. and W. at several of our western stations, and from NW. in the northeast of Scotland.

WEATHER

Temporarily fair in Scotland, dull elsewhere with rain in some parts of England, fog over the southern parts of France and Germany.
 Rain had fallen in many places, most in the Shetlands, the Hebrides and W. of Norway - none over France. Aurora was seen in the N. of Scotland last night. Bright Sunshine yesterday was 3.4 hrs. at Scilly - very little or none at the other stations.

SEA

High on the Norwegian coast, moderate at our southwestern stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather remains in a most unsettled condition over our Islands generally, and the advance of further depressions to our western and northwestern coasts shortly is very probable.

FORECASTS

For the 24 hours ending at NOON on 21ST JANUARY 1898

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

Wind backing to SW. again, mild, showery.

SW³ and W³ winds, mild, slight rain.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

SW³ and S³ winds, becoming strong again, with rain.

WARNINGS

None issued.

Note. — The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes	29.63	47	46	SSW	8	o	6	Valencia	30.04	54	53	SSW	6	omg	6
Sumburgh Head	29.23	50	49	W	5	r	6	Seilly	30.32	53	51	SSW	5	c	5
Stornoway	29.49	45	43	W	5	rq	4	Jersey	30.48	51	50	S	4	o	3
Aberdeen	29.55	55	51	S	6	cq	5	Hurst Castle	30.37	51	49	SW	4	cm	3
Shields	29.58	55	52	SW	6	c	2	Dungeness	30.35	50	49	SSW	4	c	3
Ardrossan	29.76	51	51	SSW	4	r	4	North Foreland	30.35	52	49	SSW	5	bc	4
Malin Head	29.47	52	52	SW	7	rm	5	London (Westminster)	30.32	54	51	WSW	3	o	#
Belmullet	29.86	53	53	WSW	9	o	#	Yarmouth	30.23	52	50	WSW	4	bcm	3
Holyhead	30.07	52	51	SW	7	oggm	6	Rocheport	30.55	45	44	SE	2	f	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fine and quiet over central, S^m and SW^m Europe, although foggy at several of the French stations; dull and unsettled over the British Islands, Norway and the N. of Russia, with rain at several stations, snow at Archangel. Heavy rain later in the W. of Norway, and considerable quantities in the Shetlands, Hebrides and the W. of Ireland, and smaller quantities at our N^m and W^m stations generally, as well as (locally) in the SE. of England.

Temperature showing a further rise over the British Islands and N. of France. Morning readings, highest 56° at Leith, and 54° to 50° over all but the E^m parts of England. Lowest 15° at Munich, 16° at Belfort, and much below the freezing point over central Europe generally; 26° at Moscow, but 35° at Archangel. Rising quickly to between 58° and 60° in the E. of Scotland, to 58° at Leith and Donaghadee, and to 57° at Parsonstown and York, but falling very abruptly at the Scotch stations towards the evening - the change from the maximum to the 6 pm reading being as great as 21° at Wick, and 15° at Aberdeen.

Wind light and anticyclonic over all the S^m half of Europe, but SW³ over all the N^m and NW^m countries - mainly cyclonic, and strong to a gale in force, in many places. Shifting to the NWnd in the east of Scotland later and blowing a gale.

Barometer ^{highest} 30.7 ins. and more to 30.3 ins. in a large anticyclonic system covering all the S^m half of Europe. Lowest 28.8 ins. and less over Lapland, and below 29.4 ins. over the Shetland Islands. Rising very quickly in the N. and NW. of the British Islands later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

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TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday 21st January, 1898.
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.		Rainfall.	
				At 32° and M.S.L.	Dry Bulb.		Dirac.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.					Dirac.	Force (0 to 12.)		Max.
Ins.		°				Ins.	Ins.	°	°	°								°	°	Ins.	
SCANDINAVIA.	Haparanda ...	?	21	W	4	b	29.43	+ .59	17	16	- 6	N	2	b	4	b	#	34	17	-	
	Hernösand ...	29.75	31	NW	2	b	29.75	+ .41	24	23	- 13	2	0	b	4	b	#	48	24	-	
	Stockholm ...	29.91	37	W	4	b	29.91	+ .29	36	34	- 7	W	6	0	b	4	b	#	52	36	-
	Wishby ...	30.06	38	WNW	4	b	30.03	+ .19	37	36	- 5	W	4	0	b	4	b	#	41	34	-
	Karlstad ...	29.97	38	WSW	2	b	30.00	?	34	32	?	WSW	2	0	b	4	b	#	#	#	-
	Bodo ...	29.50	34	NW	6	c	29.58	+ .44	31	29	0	NW	6	0	b	3	c	#	34	27	-
	Christiansund ...	29.76	38	W	8	r	29.83	+ .22	38	36	0	WNW	6	0	6	r	#	38	36	0.43	
	Skudesnaes ...	30.11	40	WNW	5	c	30.07	+ .05	42	41	+ 1	S	4	0	4	c	#	43	37	#	
	Færder (Christiana Fjord) ...	30.01	41	SW	5	b	30.04	+ .17	40	37	- 1	WSW	2	0	3	b	#	45	39	-	
	Skagen (The Seaw) ...	30.12	42	NW	4	c	30.14	+ .14	42	39	0	NW	1	0	0	c	#	45	41	-	
BRITISH ISLANDS.	Fanö ...	30.22	42	SW	2	r	30.27	+ .12	41	41	- 2	2	0	c	#	r	#	45	41	0.04	
	Sumburgh Head ...	29.99	40	WSW	2	b	29.80	- .11	41	39	+ 2	WNW	5	0	5	b	#	44	38	0.18	
	Stornoway ...	30.09	40	W	3	c	30.07	+ .06	39	38	0	W	3	0	3	c	#	41	36	0.20	
	Wick ...	30.12	39	W	3	b	30.03	0.00	39	38	+ 1	NW	3	0	1	b	#	42	36	0.01	
	Nairn ...	30.16	39	W	1	b	30.12	+ .05	40	39	+ 3	WSW	3	0	1	b	#	44	35	0.03	
	Aberdeen ...	30.17	41	SW	1	b	30.13	0.00	41	38	+ 4	W	2	0	1	c, b	1.0	45	36	-	
	Leith ...	30.21	43	SW	1	o	30.15	0.00	46	45	+ 8	W	2	0	#	o	#	48	36	0.03	
	Shields ...	30.23	48	ESE	1	o	30.23	+ .06	51	49	+ 5	SW	2	0	2	f, o, r	#	53	45	0.04	
	Spurn Head ...	30.26	52	WSW	3	o	30.30	+ .08	48	47	+ 1	SW	3	0	3	o	#	53	46	-	
	York ...	30.24	53	WSW	2	o	30.33	+ .12	51	49	0	WSW	3	0	3	o	#	54	49	0.01	
GERMANY & HOLLAND.	Loughborough ...	30.32	54	SW	3	b	30.38	+ .12	49	48	- 2	WSW	3	0	3	c, b, c	#	59	48	-	
	Ardrossan ...	30.22	44	2	0	b	30.24	+ .09	48	48	+ 7	W	4	0	3	o, b	#	49	40	0.02	
	Malin Head ...	30.21	44	SSW	3	c	30.29	+ .16	45	44	+ 1	W	3	0	2	c	#	47	42	0.09	
	Belmullet ...	30.24	45	E	1	o	30.34	+ .17	45	43	+ 2	S	2	0	#	b, o	#	58	40	0.02	
	Donaghadee ...	30.25	45	W	2	b	30.28	+ .13	50	48	+ 3	W	4	0	2	b	#	50	43	0.09	
	Liverpool (Bidston) ...	30.29	52	WSW	3	o	30.35	+ .14	51	48	- 1	SW	4	0	3	o	#	54	50	0.02	
	Holyhead ...	30.29	50	SW	4	ogm	30.37	+ .16	50	49	0	SW	3	0	2	f, ogm	#	51	48	0.01	
	Parsonstown ...	30.24	53	2	0	o	30.38	+ .20	49	48	+ 1	2	0	#	o	0.0	54	47	0.08		
	Valencia ...	30.30	52	S	3	am	30.42	+ .12	53	52	+ 1	SW	2	0	4	og, am	0.0	53	41	0.07	
	Roche's Point ...	30.33	51	WSW	4	r	30.42	+ .17	52	51	+ 1	WSW	3	0	4	r	#	53	50	0.01	
FRANCE & BELGIUM.	Pembroke (St. Ann's Hd.) ...	30.38	49	WSW	5	f	30.42	+ .14	50	49	0	WSW	4	0	4	f	0.0	50	48	-	
	Scilly ...	30.42	52	SW	4	f	30.47	+ .11	52	51	- 1	SW	3	0	4	m, f	0.0	55	50	0.02	
	Prawle Point ...	30.47	51	WSW	3	m	30.51	+ .09	50	50	0	WSW	2	0	2	o, f	#	51	49	0.06	
	Jersey (St. Aubin's) ...	30.51	51	WSW	3	b	30.56	+ .07	50	49	+ 1	WSW	3	0	3	b, r, g	#	54	47	0.02	
	Hurst Castle ...	30.44	50	WSW	4	om	30.50	+ .09	50	49	0	WSW	3	0	2	o, m, f	#	51	49	0.02	
	Dungeness ...	30.40	49	SW	4	o	30.46	+ .06	48	48	- 1	WSW	4	0	3	a, f	#	50	48	0.01	
	North Foreland ...	30.41	52	SW	3	o	30.46	+ .08	50	50	0	SSW	1	0	1	o	#	53	50	0.09	
	London (Brixton) ...	30.41	53	WSW	2	o	30.45	+ .08	51	50	0	WSW	2	0	#	ogp	0.0	53	50	0.10	
	Oxford ...	30.41	53	SW	2	o	30.45	+ .10	50	49	- 1	WSW	3	0	#	og, r	#	54	50	-	
	Cambridge ...	30.36	54	SW	3	o	30.43	+ .11	52	51	+ 1	SW	2	0	#	o	0.0	55	49	-	
PENIN- SULA.	Yarmouth ...	30.30	53	SW	2	b	30.35	+ .07	51	50	+ 1	WSW	3	0	3	b	#	53	47	-	
	Cuxhaven ...	30.28	43	WSW	2	r	30.33	+ .10	43	43	- 1	WSW	1	0	#	r	#	45	43	0.28	
	Berlin ...	30.41	41	W	3	r	30.37	+ .03	44	44	+ 8	W	3	0	#	r	#	45	36	0.04	
	Wiesbaden ...	#	#	#	#	#	30.56	- .02	33	33	+ 4	SW	1	0	#	#	#	34	29	-	
	Munich ...	30.57	22	2	0	b	30.58	- .02	18	18	+ 2	NW	2	0	#	b	#	30	16	-	
	The Helder ...	30.33	46	SW	3	m	30.35	+ .06	46	45	0	SSW	2	0	2	m	#	46	45	-	
	Brussels ...	#	#	#	#	#	30.51	+ .04	45	45	+ 3	SW	3	0	#	o	#	45	41	0.04	
	Cape Gris Nez ...	30.32	48	SW	4	f	30.41	+ .06	48	47	- 1	SW	3	0	2	f	#	49	45	-	
	Paris ...	30.55	42	S	1	o	30.57	+ .03	41	41	+ 1	SSE	1	0	#	o	#	48	38	-	
	Brest ...	30.51	50	SSW	1	b	30.52	+ .07	51	50	+ 1	SW	2	0	3	b	#	54	43	-	
FRANCE & BELGIUM.	Lorient ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
	Rocheport ...	30.54	39	E	2	m	30.56	+ .02	37	35	- 3	E	4	0	#	m	#	41	36	-	
	Belfort ...	30.60	27	N	1	m	30.60	- .04	28	28	+ 10	NE	1	0	#	m	#	39	18	-	
	Lyons ...	30.64	27	NNW	1	f	30.63	- .02	29	29	+ 3	E	1	0	#	f	#	31	25	-	
	Nice ...	30.47	45	E	1	b	30.42	- .07	42	33	- 1	E	1	0	#	b	#	54	39	-	
	Perpignan ...	30.49	42	NW	1	b	30.47	- .03	40	35	+ 6	W	2	0	#	b	#	55	34	-	
PENIN- SULA.	Biarritz ...	30.47	39	E	1	m	30.50	0.00	39	38	0	E	2	0	4	m, f	#	43	36	-	
	Corunna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
	Lisbon ...	30.43	51	NE	4	b	30.47	0.00	44	40	- 1	NNE	4	0	#	b	#	55	43	-	
Azores (P. Delgada) ...	30.09	61	SE	5	o	29.99	- .20	61	56	+ 1	SSE	7	0	8	o	#	64	59	-		

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport. 0.0 hrs;

WEATHER CHARTS

FOR Friday, 21st January, 1898

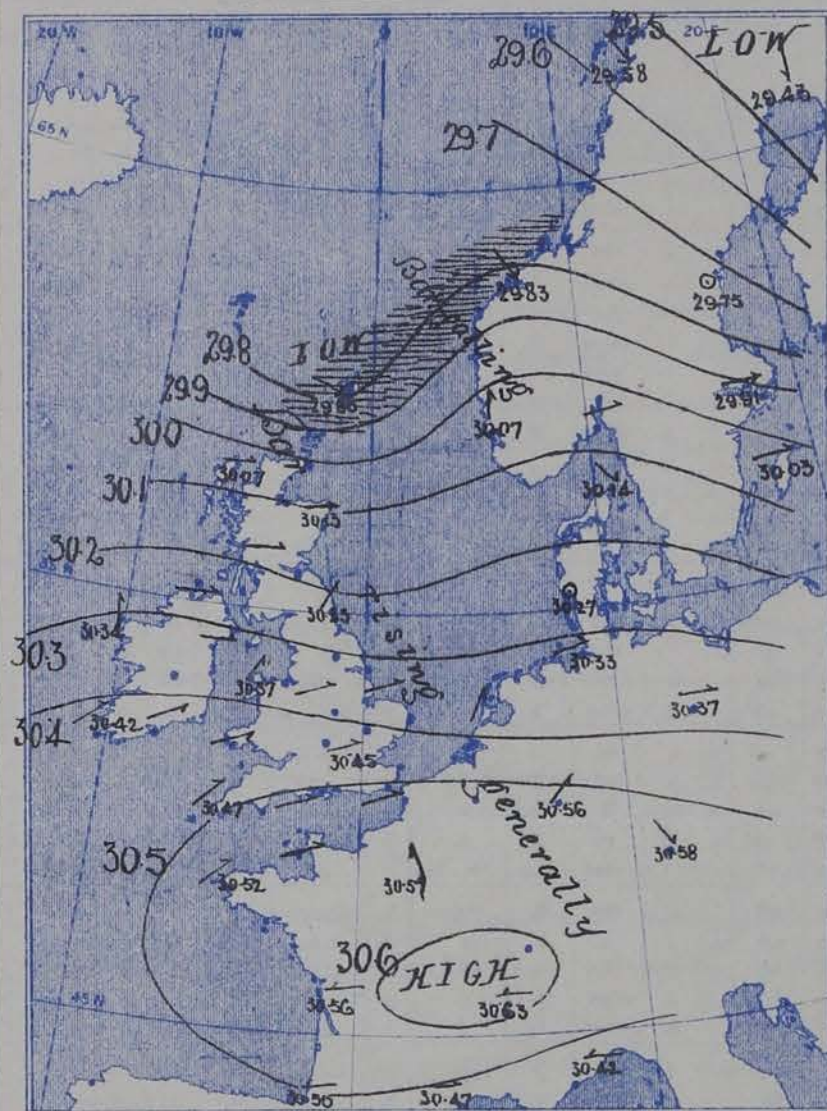
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 → : Force 5 to 7 → : }
Force 8 to 10 → : Force 1 to 4 → : } Calm ○

SEA—Rough ≡ : High ≡

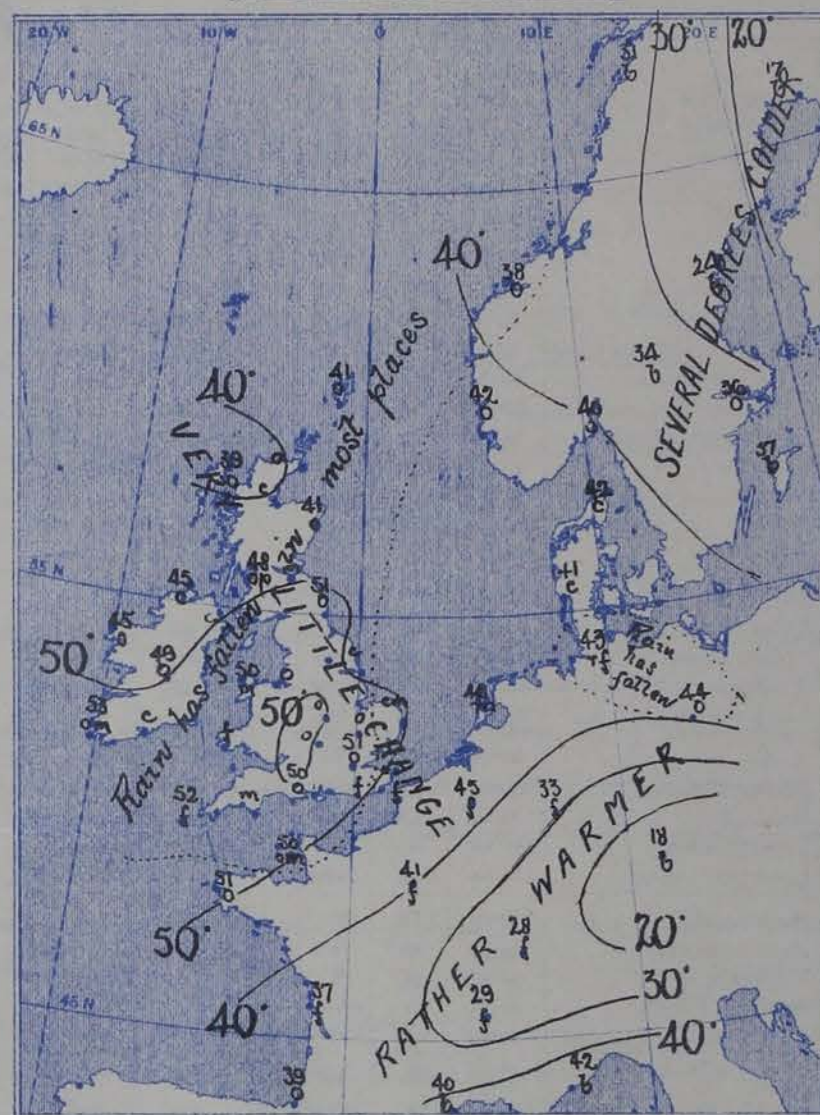


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866-95.	BRIGHT SUNSHINE. Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	— 4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3†	8†
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 ins. and more to 30.4 ins. in an anticyclone covering France, S. Germany, and the southern parts of England and Ireland.
 Lowest Below 29.4 ins. at Haparanda, and below 29.8 ins. over the Shetland Islands.
 Gradients moderate for W³ winds over our Islands and slight, for anticyclonic airs over France.
 Barometer rising in nearly all parts of our Islands.

TEMPERATURE

Highest 53° to 50° over the southern parts of Ireland and England, 51° at Shields, 50° at Donaghadee.
 Lowest (1) 17° at Haparanda, 24° at Helsingfors; (2) 18° at Munich, 28° at Belfort, 29° at Lyons; (3) 39° to 41° over the northeastern parts of Scotland.

WIND

Light and anticyclonic over France; SW² to W³, light to moderate over our Islands; W² to NW², and strong, over Scandinavia; W², light over North Germany.

WEATHER

Very foggy over France, Belgium and W^m Germany and at Scilly; very dull over our Islands, with rain in some places.
 Some rain has fallen in almost all parts of the Kingdom, and fog has been experienced at some of the southern stations. Over Scandinavia, and over France and the greater part of Germany there has been none. Bright Sunshine recorded yesterday amounted to 1 hr. at Aberdeen, 0.7 hr. at Islandmagee; at most of the English and Irish stations there was none.

SEA

Still moderate on our SW. coast, slight in the W, S. and E, rough in the far N.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Some fall of temperature is likely to occur (temporarily) over our I^m countries and the English Channel, with an increase of fog or mist; the general condition is, however, not at all settled, and further depressions from the Atlantic are not improbable shortly.

FORECASTS

For the 24 hours ending at NOON on 22ND JANUARY 1898

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

Varying W² and NW² winds, colder, some showers.

W² breezes, moderate; weather inclined to clear, less mild.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

Same as Nos 0 and 1.

SW² and W² breezes, cooler, finer but still some showers.

WARNINGS

None issued

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes	30.10	42	39	WSW	6	c	5	Valencia	30.25	53	53	SSW	4	ag	5
Sumburgh Head	29.93	41	39	WSW	4	c	5	Scilly	30.39	54	53	SW	4	m	5
Stornoway	30.05	41	40	WSW	2	c	2	Jersey	30.49	52	49	SW	4	bc	3
Aberdeen	30.13	44	40	SW	2	c	2	Hurst Castle	30.41	51	50	SW	4	od	3
Shields	30.18	48	47	W	0	dm	2	Dungeness	30.38	50	49	SW	4	o	3
Ardrossan	30.17	47	47	WSW	3	op	3	North Foreland	30.40	52	51	SW	3	o	2
Malin Head	30.17	45	44	SW	5	c	3	London (Westminster)	30.37	55	53	SW	3	upcl	#
Belmullet	30.27	47	45	W	1	b	*	Yarmouth	30.29	52	51	WSW	3	bc	3
Holyhead	30.25	50	50	SW	4	f	3	Rocheport	30.46	40	39	SE	2	m	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fair and very quiet over France, SE^m and SW^m Europe and the Mediterranean, but foggy and several of the French and S. German stations, fine also on the Swedish coasts and in some parts of Scotland; dull over Ireland, England, Norway and Finland, with rain in several places. Rain falling later in small quantities over the British Islands, the E^m shores of the North Sea and at Christiansund; weather remaining clear over Sweden, foggy over France and at some of the S^m stations in England.

Temperature fallen decidedly in Scotland. Morning readings highest 53° at Scilly, 52° at Valencia, and exceeding 50° over the SW^m and S^m half of our Islands generally, exceeding 40° on the shores of the Baltic and the Gulf of Finland. Lowest (1) 16° at Munich, 18° at Belfast, 19° at Hermannstadt, and much below the freezing point over the S^m parts of France, Germany, Austria and the N. of Italy; (2) 23° at Haparanda, 31° at Bodo, 32° at Archangel; 37° to 38° in the E. of Scotland. Continuing very mild over England all day.

Wind (1) Light and anticyclonic over the S^m half of Europe generally, SW^m and variable over the United Kingdom; fresh to light in force, (2) NW^m to SW^m over northern Europe and the Baltic, and moderate to a strong gale in force. Very little change later over our Island and France.

Barometer highest 30.7 ins. and more over Hungary, and exceeding 30.4 ins. over the S^m half of Europe generally. Lowest 28.6 ins. and less in a depression off the N. of Finland. Gradients very steep over N^m Europe, slight in the S., moderate and irregular over the British Islands. Rising over the United Kingdom and W^m Europe all day.

Erratum. The barometric readings at the French and some of the German stations on the Chart in the D.W.R. for Wednesday Jan^y 19, were erroneously given as "29" instead of "30" inches.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on *Saturday 22nd January.* 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.			BAROMETER.		TEMPERATURE.			WIND.									
At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	Max.	Min.	Rainfall.			
Ins.	°				Ins.	Ins.	°	°	°								°	°	Ins.		
SCANDINAVIA.	Haparanda ...	29.50	9	WNW	2	b	29.62	+ .09	1	0	- 16	Z	0	c	#	0	#	23	1	-	
	Hernösand ...	29.45	29	Z	0	o	29.51	- .24	30	28	+ 6	NE	2	s	#	o	#	37	21	0.04	
	Stockholm ...	29.52	34	WSW	4	s	29.56	- .35	34	32	- 2	W	6	c	#	s	#	37	32	0.12	
	Wisby ...	29.70	34	W	6	r	29.72	- .31	37	33	0	NNW	10	b	#	r	#	37	32	0.12	
	Karlstad ...	29.62	37	SW	6	b	29.80	- .20	34	28	0	W	4	b	#	b.r	#	#	#	0.04	
	Bodö ...	29.60	30	NW	4	b	29.62	+ .04	27	24	- 4	WNW	6	s	4	b	#	32	27	-	
	Christiansund ...	29.40	40	WSW	9	b	29.87	+ .04	35	32	- 3	NNE	4	o	5	r	#	40	32	0.12	
	Skudesnaes ...	30.05	41	WNW	7	b	30.03	- .04	39	37	- 3	WSW	2	o	3	c.b	#	43	36	#	
	Færder (Christiania Fjord)	29.75	41	W	6	b	29.90	- .14	38	34	- 2	WSW	4	o	3	b	#	41	37	-	
	Skagen (The Scaw)	29.92	42	NW	6	b	30.00	- .14	40	39	- 2	NW	4	o	0	b	#	45	40	0.04	
BRITISH ISLANDS.	Fanø ...	30.23	41	W	5	b	30.21	- .06	40	40	- 1	W	4	r	#	b	#	45	40	0.08	
	Sumburgh Head	30.06	41	W	5	o	30.07	+ .27	37	35	- 4	N	1	o	4	c.o	#	43	34	0.11	
	Stornoway	30.23	37	W	2	o	30.17	+ .10	36	36	- 3	N	3	o	3	hp.o	#	41	33	0.15	
	Wick ...	30.20	37	W	3	o	30.15	+ .12	31	30	- 8	NW	1	b	2	o.sp	#	44	30	0.05	
	Nairn ...	30.29	39	W	1	b	30.15	+ .03	35	34	- 5	E	1	o	1	b.c.s	#	44	32	0.67	
	Aberdeen ...	30.32	38	SSW	1	c	30.12	- .01	35	34	- 6	NW	3	og	4	b.c.r	#	44	34	0.49	
	Leith ...	30.35	45	W	2	o	30.06	- .09	50	48	+ 4	W	4	o	#	o	#	51	40	0.21	
	Shields ...	30.39	46	WNW	2	o	30.08	- .15	51	49	0	SW	3	o	2	p.o	#	52	43	0.02	
	Spurn Head	30.39	47	WNW	4	b	30.25	- .05	47	46	- 1	WSW	4	c	2	b	#	50	43	-	
	York ...	30.39	50	WSW	3	b	30.24	- .09	50	47	- 1	W	4	b	#	c.b.o	#	54	45	-	
GERMANY & HOLLAND.	Loughborough ...	30.44	51	WSW	1	b	30.36	- .02	49	45	0	WSW	5	cg	#	c.opg.c	#	55	47	0.01	
	Ardrossan	30.35	47	SSE	1	om	30.16	- .08	46	45	- 2	W	6	b	4	c.om	#	48	42	0.26	
	Malin Head	30.28	44	SSE	3	r	30.25	- .04	45	44	0	NNW	5	c	4	c.r	#	46	42	0.15	
	Belmullet	30.32	52	SW	4	op	30.36	+ .02	46	42	+ 1	N	3	o	#	r.op	#	52	42	0.05	
	Donaghadee	30.37	46	SW	3	r	30.21	- .07	50	49	0	W	6	b	4	r	#	50	45	0.06	
	Liverpool (Bidston)	30.42	48	W	1	b	30.32	- .03	52	47	+ 1	WSW	5	o	5	b	#	52	46	-	
	Holyhead	30.41	50	SW	3	om	30.34	- .03	50	47	0	SW	6	o	5	c.om	#	52	47	-	
	Parsonstown	30.39	51	S	1	b	30.40	+ .02	51	49	+ 2	W	1	o	#	b	#	55	47	-	
	Valencia	30.43	51	SSW	3	b	30.48	+ .06	50	49	- 3	SW	2	c	4	b	#	55	49	0.01	
	Roch's Point	30.47	51	WSW	2	b	30.48	+ .06	49	47	- 3	W	3	b	3	b	#	53	48	-	
FRANCE & BELGIUM.	Pembroke (St. Ann's Hd.)	30.49	49	WSW	2	f	30.46	+ .04	50	47	0	W	4	b	4	f	#	50	48	0.02	
	Seilly ...	30.53	52	SW	3	m	30.54	+ .07	51	50	- 1	WSW	3	cp	3	f.m	#	54	49	0.04	
	Prawle Point	30.55	50	W	2	c	30.55	+ .04	50	49	0	WSW	3	c	2	c.f.d	#	52	48	0.03	
	Jersey (St. Aubin's)	30.58	51	WSW	3	odmp	30.58	+ .02	50	49	0	WSW	4	odm	3	odmp	#	52	48	0.03	
	Hurst Castle	30.52	49	WSW	3	c	30.50	.00	49	48	- 1	SW	2	bcm	2	o.ccm	#	51	46	-	
	Dungeness	30.45	49	WSW	3	o	30.45	- .01	48	48	0	WSW	4	c	3	o.f	#	50	46	0.02	
	North Foreland	30.50	52	WSW	2	c	30.43	- .03	49	47	- 1	WSW	4	c	2	a.c	#	53	46	0.03	
	London (Brixton)	30.49	50	WSW	2	cm	30.46	+ .01	47	46	- 4	WSW	2	b	#	og.b	#	53	43	0.01	
	Oxford	30.51	48	W	3	o	30.46	+ .01	48	47	- 2	WSW	3	c	#	b.c.o	#	55	48	-	
	Cambridge	30.47	50	SW	1	o	30.40	- .03	50	49	- 2	SW	3	o	#	o	#	55	45	-	
PENIN- SULA.	Yarmouth	30.40	52	W	2	c	30.32	- .03	49	48	- 2	WSW	4	b	3	b.c.c	#	53	45	-	
	Cuxhaven	30.26	45	W	6	o	30.24	- .09	41	41	- 2	SSW	2	r	#	o.f.r	#	46	39	0.04	
	Berlin	30.27	47	W	4	o	30.31	- .06	41	40	- 3	W	3	c	#	o	#	48	39	-	
	Wiesbaden	#	#	#	#	#	30.49	- .07	36	35	+ 3	SW	1	o	#	#	#	37	33	-	
	Munich	30.54	28	NE	2	b	30.50	- .08	32	31	+ 14	SW	3	o	#	b	#	32	18	-	
	The Helder	30.41	46	W	2	c	30.29	- .06	46	45	0	WSW	3	r	2	c	#	48	43	-	
	Brussels	#	#	#	#	#	30.48	- .03	47	46	+ 2	WSW	3	o	#	r	#	48	44	0.20	
	Cape Gris Nez	30.44	49	WSW	2	f	30.40	- .01	49	47	+ 1	WSW	3	f	3	f	#	50	45	-	
	Paris	30.58	47	SSE	1	f	30.56	- .01	46	46	+ 5	SW	2	o	#	f	#	48	41	0.04	
	Brest	30.59	50	SSE	1	c	30.59	+ .07	50	48	- 1	W	1	o	2	c	#	51	41	-	
PENIN- SULA.	Lorient	30.60	48	S	2	c	30.60		47	46		WSW	1	o	2	c	#	50	43	-	
	Rochefort	30.57	46	NE	3	o	30.57	+ .07	44	43	+ 7	ENE	3	o	#	c.o	#	46	37	-	
	Belfort	30.64	29	Z	0	f	30.60	.00	30	30	+ 2	Z	0	f	#	f	#	31	28	-	
	Lyons	30.65	30	NW	1	f	30.62	- .01	29	29	0	E	1	f	#	f	#	30	28	-	
	Nice	30.38	48	E	1	b	30.37	- .05	45	33	+ 3	E	2	b	1	b	#	59	42	-	
	Perpignan	30.44	49	NW	3	b	30.47	.00	33	32	- 7	S	3	b	#	b	#	57	32	-	
	Biarritz	30.54	41	E	3	o	30.56	+ .06	38	37	- 1	SSE	3	o	3	o	#	46	36	-	
	Corunna	#	#	#	#	#	30.48	+ .01	44	39	0	NNE	4	b	#	b	#	59	43	-	
	Lisbon	30.44	53	NE	4	b	30.48	+ .01	44	39	0	NNE	4	b	#	b	#	59	43	-	
	Azores (P. Delgada)	30.00	62	SSE	6	r	29.98	- .01	60	59	- 1	SSE	5	o	8	r	#	63	57	0.20	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport 0.7 hrs;

WEATHER CHARTS

FOR SATURDAY, 22nd JANUARY, 1898

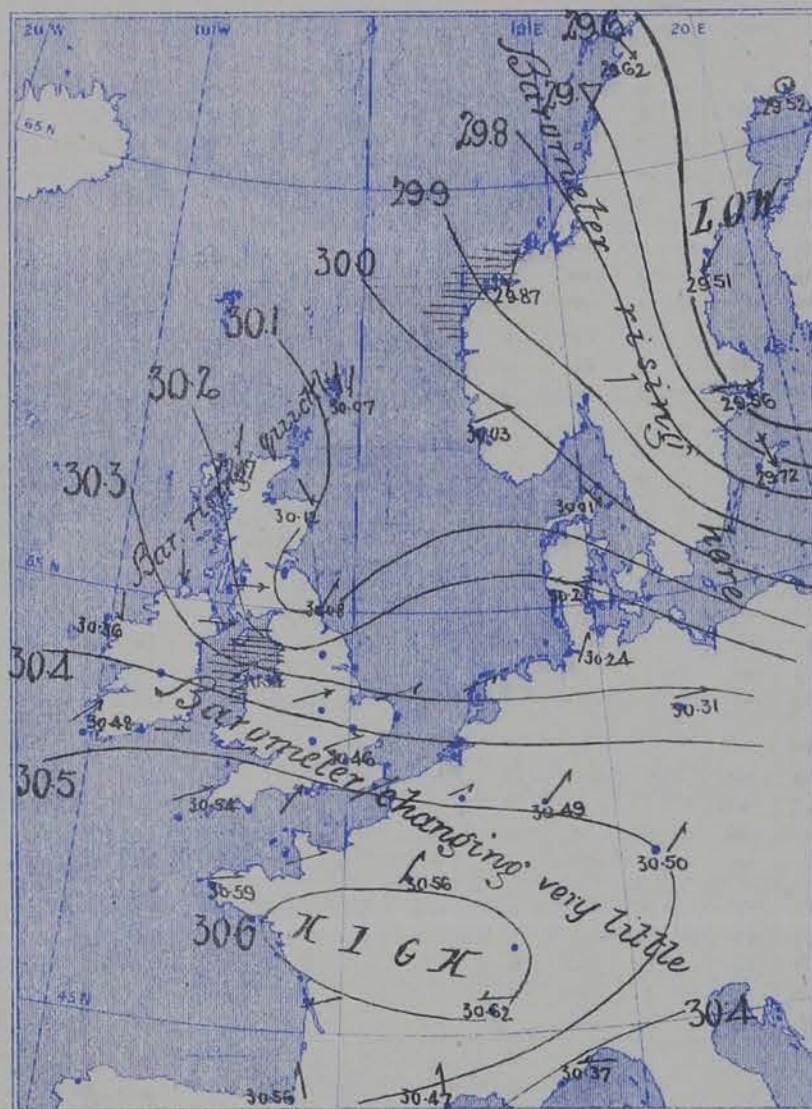
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 → : Force 5 to 7 → : Force 1 to 4 → : Calm ○

SEA—Rough ≡ : High ≡

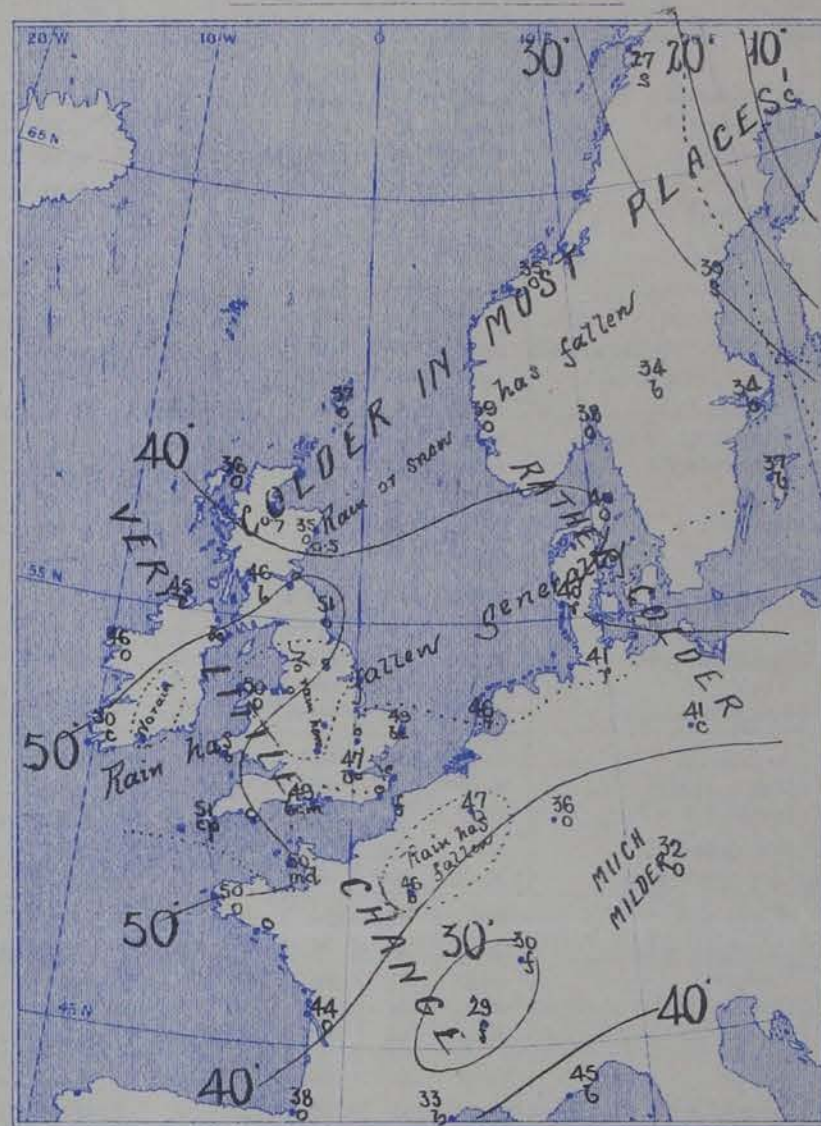


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866-95.	BRIGHT SUNSHINE. Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)									(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54	1884, 88	13	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57	1888, 94	2	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56	1883, 95	17	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3	8+
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 ins. to 30.4 ins. in an anticyclone covering France, W. Germany, and the S. part of our islands.
Lowest Below 29.5 ins. over the Gulf of Bothnia, and below 30.1 ins. in a very small disturbance lying over the southeast of Scotland.

TEMPERATURE

Gradients very variable in direction over our islands, but moderate as a whole.
Barometer rising quickly over Scotland and the N. of Ireland, changing very little and unsteadily over our southwestern and southern districts.
Highest 51° to 50° at several of our SW. and S. stations, 52° at Liverpool, 50° at Leith.
Lowest (1) 1° at Haparanda, 30° at Hernösand, 35° at Nain and Aberdeen; (2) 29° at Lyons, 30° at Belfort, 32° at Munich.
The changes in Scotland during the past day have again been sudden. Leith is now 16° warmer than Aberdeen and Nain. Maxima as high as 55° were recorded at several of our SW. and S. stations yesterday.

WIND

N. over the greater part of Scotland and the north of Ireland, W. to SW. over the remainder of our islands, and more strong over the Irish Sea and southwest of Scotland, moderate to light elsewhere.
Leith reports that a strong gale from the W. was felt there in the night.

WEATHER

Very changeable. Fine and bright in some localities, dull in others, with snow at Bodo.
Considerable quantities of snow are reported to have fallen at Nain, rain at Aberdeen, slight rain showers in most other localities. Between 2 and 3 hrs. of Bright Sunshine were recorded over Scotland and Ireland yesterday; over the eastern and southern parts of England there was none.

SEA

Rather rough in the NW, moderate in the SW. and N., slight in the English Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Very changeable weather is probable over our islands, with rain at times.

FORECASTS

For the 24 hours ending at NOON on 23RD JANUARY 1898

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

NW breezes, colder, some cold showers, bright intervals.
W. winds, cooler, fair, then SW. close, some rain.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

Same as Nos 0 to 2.

Wind backing to SW. again, very changeable, rain at times.

WARNINGS

None issued.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.93	43	40	WNW	7	c	4	Valencia ...	30.42	53	52	S	3	bc	4
Sumburgh Head	29.96	37	36	WNW	5	c	5	Scilly ...	30.51	54	54	W	2	f	4
Stornoway ...	30.22	41	40	WNW	3	o	3	Jersey ...	30.58	52	51	WSW	3	myd	3
Aberdeen ...	30.25	43	38	WSW	3	bc	3	Hurst Castle ...	30.51	50	49	SW	2	o	2
Shields ...	30.31	52	50	SW	2	op	2	Dungeness ...	30.47	50	50	SW	4	o	3
Ardrossan ...	30.32	46	45	W	2	c	2	North Foreland	30.47	53	52	WSW	3	o	2
Malin Head ...	30.32	46	45	SW	4	c	2	London (Westminster)	30.48	55	53	W	2	on	#
Belmullet ...	30.34	46	44	S	3	r	#	Yarmouth ...	30.37	53	51	WSW	3	bc	3
Holyhead ...	30.42	51	50	WSW	3	c	2	Rochefort ...	30.5	45	43	E	2	c	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fair over the S^m half of Europe, but very foggy at many of the inland stations, dull and misty in many parts of our islands, dull over N. Germany, with rain in several places, but clear over Lapland, Finland and Sweden. Considerable falls of wet snow and rain in the E. of Scotland at night, and slight rain showers in many parts of our Islands, snow and rain in Sweden.

Temperature changing little and irregularly over our Islands, fallen rapidly over Finland and the N. of Russia. Morning readings, highest 58° to 50° on the S^m side of the Mediterranean 53° to 50° in the S. of Ireland and over many parts of England and Brittany, 46° at Helder, 45° at Swinemuss Lowest (1) 17° at Haparanda, 28° at S^t. Petersburg, 32° at Moscow, (2) 18° at Munich and Hermannstadt, 22° at Kharkov and Vienna, 28° at Belfort and Limoges. Falling suddenly over Scotland at night, rising to 55° in several parts of England and Ireland during day.

Wind light and anticyclonic over all the southern countries of Continental Europe SW^{ly} to W^{ly} and moderate over the British Islands, W^{ly} to NW^{ly} and strong over Scandinavia, the Baltic and Finland. Very sudden changes from S to W and N. taking place later over Scotland and the N. of Ireland. No decided change elsewhere.

Barometer highest 30.6 ins. and more to 30.4 ins. in a complex anticyclonic system covering the SW^m and SE^m countries. Lowest 29.5 ins. and less over Lapland and the Kola peninsula, and below 29.8 ins. over the Shetlands. A very small depression reaching the NW. of Ireland later, and travelling quickly to the E^{wd} across Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Sunday 23rd January, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.				
				At 32° and M.S.L.	Dry Bulb.		Dir.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.				Dir.	Force (0 to 12.)	Max.	Min.	Rainfall.
SCANDINAVIA.		Ins.	°				Ins.	Ins.	°	°	°						°	°	Ins.		
Haparanda ...	29.63	-3	Z	0	b	29.74	+ .23	-4	-5	-5	SW	2	b	#	b	#	10	-11	-		
Hernösand ...	29.85	25	N	2	?s	29.88	+ .37	16	15	-14	Z	0	o	#	s	#	30	16	0.08		
Stockholm ...	29.92	27	WNW	4	b	30.00	+ .44	26	24	-8	W	2	b	#	b	#	36	26	0.04		
Wisby ...	29.90	32	N	10	o	30.08	+ .36	32	32	-5	NNW	6	b	#	o	#	39	30	-		
Karlstad ...	30.07	29	N	2	b	29.97	+ .17	30	29	-4	W	1	o	#	b.s	#	#	#	-		
Bodo ...	29.73	26	NW	7	o	29.77	+ .15	25	23	-2	NNW	5	c	3	o	#	28	23	-		
Christiansund ...	30.11	36	NNW	8	s	29.92	+ .05	36	33	+1	NNW	9	s	7	s	#	37	32	0.12		
Skudesnaes ...	30.33	35	Z	0	b.c	30.24	+ .48	41	39	+2	NW	7	o	3	b.c	#	41	30	#		
Færder (Christiania Fjord)	30.14	36	NNW	2	b	29.96	+ .06	37	35	-1	WSW	6	o	3	b	#	38	36	-		
Skagen (The Scaw)	30.20	39	NNE	4	b	30.10	+ .10	42	39	+2	NW	6	o	1	b	#	43	37	-		
Fanö ...	30.08	35	NW	4	b	30.40	+ .19	39	39	-1	NW	4	b	#	b	#	41	34	0.32		
Sumburgh Head	30.25	42	WNW	2	o	30.24	+ .17	43	41	+6	W	3	r	3	b.c.o	#	44	37	0.07		
Stornoway ...	30.35	41	W	3	o	30.29	+ .12	46	45	+10	SW	3	o	3	o	#	2.0	46	33	0.05	
Wick ...	30.34	35	W	2	c	30.31	+ .16	41	40	+10	W	2	o	1	c	#	41	29	-		
Nairn ...	30.42	36	Z	0	b	30.38	+ .23	40	38	+8	W	1	b.c	1	b	#	40	32	0.06		
Aberdeen ...	30.45	34	SW	2	b	30.43	+ .31	35	32	0	SSW	1	ogm	1	b.c.b	#	2.5	37	31	-	
Leith ...	30.48	43	Z	0	m	30.46	+ .40	39	38	-11	SW	1	o	#	m	#	50	31	-		
Shields ...	30.48	42	NW	3	o	30.53	+ .45	37	36	-14	SW	2	cm	2	r.o	#	52	33	0.01		
Spurn Head ...	30.45	44	NNE	4	o	30.57	+ .32	38	37	-9	WSW	2	bw	3	o	#	50	38	-		
York ...	30.46	44	W	2	b.c	30.58	+ .34	32	32	-18	SW	1	f	#	b.c	#	1.3	54	29	-	
Loughborough ...	30.49	45	WNW	2	b.c	30.62	+ .26	30	30	-19	ESE	1	f	#	b.c	#	54	29	-		
Ardrossan ...	30.48	42	WNW	2	b	30.48	+ .32	46	46	0	SW	3	o	2	b	#	46	36	-		
Malin Head ...	30.48	40	SW	1	b.	30.49	+ .22	47	44	+2	WSW	2	cm	2	b	#	47	41	4.1		
Belmullet ...	30.51	46	N	1	b	30.50	+ .14	50	49	+4	WSW	2	o	#	b	#	50	43	0.01		
Donaghadee ...	30.53	42	WNW	2	b.c	30.52	+ .31	46	45	-4	WSW	4	c	2	b.c	#	50	36	-		
Liverpool (Bidston)	30.52	43	NW	1	b	30.60	+ .28	39	38	-13	SE	1	o	?	b.p	#	52	38	0.01		
Holyhead ...	30.53	46	N	2	b	30.57	+ .23	47	46	-3	SW	3	o	2	p.b.c.b	#	50	41	0.01		
Parsonstown ...	30.53	49	Z	0	o	30.59	+ .19	44	43	-7	Z	0	o	#	o.d	#	0.0	51	?	0.03	
Valencia ...	30.56	51	WSW	1	og	30.57	+ .09	48	47	-2	S	2	o	3	o.og	#	0.0	53	45	-	
Roche's Point ...	30.57	52	WNW	3	c	30.61	+ .13	47	45	-2	W	2	b.c	3	c	#	54	45	-		
Pembroke (St. Ann's Hd.)	30.55	50	WNW	4	b.c	30.61	+ .15	49	49	-1	W	3	og	3	b.c	#	3.8	51	49	-	
Scilly ...	30.58	51	WNW	3	c	30.61	+ .07	49	46	-2	SSW	2	c	2	c	#	0.2	53	46	0.01	
Prawle Point ...	30.60	47	W	2	b.c	30.64	+ .09	47	46	-3	W	2	c	1	b.c	#	51	44	-		
Jersey (St. Aubin's)	30.61	51	WNW	3	cg	30.64	+ .06	49	49	-1	WSW	3	cm	3	c	#	52	42	0.03		
Hurst Castle ...	30.54	50	WSW	3	o	30.62	+ .12	45	44	-4	ESE	2	cm	1	b.c.o	#	53	45	-		
Dungeness ...	30.46	48	W	3	c	30.61	+ .16	35	35	-13	N	2	b.c	1	b.c.c	#	55	34	-		
North Foreland	30.47	50	WSW	4	o	30.63	+ .20	43	41	-6	N	2	c	2	o	#	52	41	-		
London (Brixton) ...	30.50	51	W	2	c	30.65	+ .19	35	34	-12	Z	0	f	#	b.c.b	#	1.9	54	33	0.01	
Oxford ...	30.55	48	W	1	c	30.66	+ .20	37	37	-11	S	1	o	#	c	#	53	34	-		
Cambridge ...	30.48	48	NW	2	b.c	30.65	+ .25	31	31	-19	N	1	f	#	b.c	#	0.7	53	30	-	
Yarmouth ...	30.40	46	NNW	4	b.c	30.59	+ .27	40	39	-9	WSW	2	cm	3	c.b.c	#	51	35	-		
Cuxhaven ...	30.10	40	N	6	o	30.49	+ .25	36	35	-5	W	1	o	#	r.o	#	46	34	0.16		
Berlin ...	29.99	46	W	6	r	30.47	+ .16	32	31	-9	W	2	c	#	r	#	48	29	0.32		
Wiesbaden ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
Munich ...	30.39	41	W	5	o	30.52	+ .02	34	33	+2	NE	4	s	#	o	#	43	31	0.04		
The Helder ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
Brussels ...	#	#	#	#	#	30.63	+ .15	35	34	-12	N	1	c	#	o	#	50	33	-		
Cape Gris Nez ...	30.41	50	SE	3	c	30.53	+ .13	41	38	-8	SE	2	b.c	2	c	#	50	37	-		
Paris ...	30.56	50	SW	2	o	30.60	+ .04	40	39	-6	N	2	b.c	#	o	#	50	40	-		
Brest ...	30.62	50	WNW	1	o	30.64	+ .05	47	46	-3	N	1	c	1	o	#	52	39	-		
Lorient ...	30.63	49	Z	0	o	30.63	+ .03	46	45	-1	NNE	2	b.c	2	o	#	52	43	-		
Rochefort ...	30.60	48	ESE	2	o	30.60	+ .03	46	45	+2	ESE	4	o	#	o	#	48	41	-		
Belfort ...	30.50	36	W	4	f	30.52	- .08	37	37	+7	Z	0	f	#	f	#	40	36	-		
Lyons ...	30.60	31	S	1	f	30.55	- .07	41	40	+12	? N	1	o	#	f	#	42	29	0.12		
Nice ...	30.31	51	E	2	b	30.19	- .18	47	36	+2	Z	0	b	0	b	#	61	45	-		
Perpignan ...	30.44	45	NW	2	b	30.34	- .13	45	40	+12	NN	3	b	#	b	#	56	30	-		
Biarritz ...	30.52	46	S	2	o	30.53	- .03	46	39	+3	E	2	o	2	o	#	46	38	-		
Corunna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
Lisbon ...	30.45	51	NE	4	b	30.45	- .03	41	38	-3	NE	4	b	#	b	#	57	41	-		
Azores (P. Deigada)	29.89	59	SE	6	r	29.78	- .20	60	58	-1	SSW	7	o	8	r	#	63	57	0.20		

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport 3.0 hrs;

WEATHER CHARTS

FOR SUNDAY, 23RD JANUARY, 1898

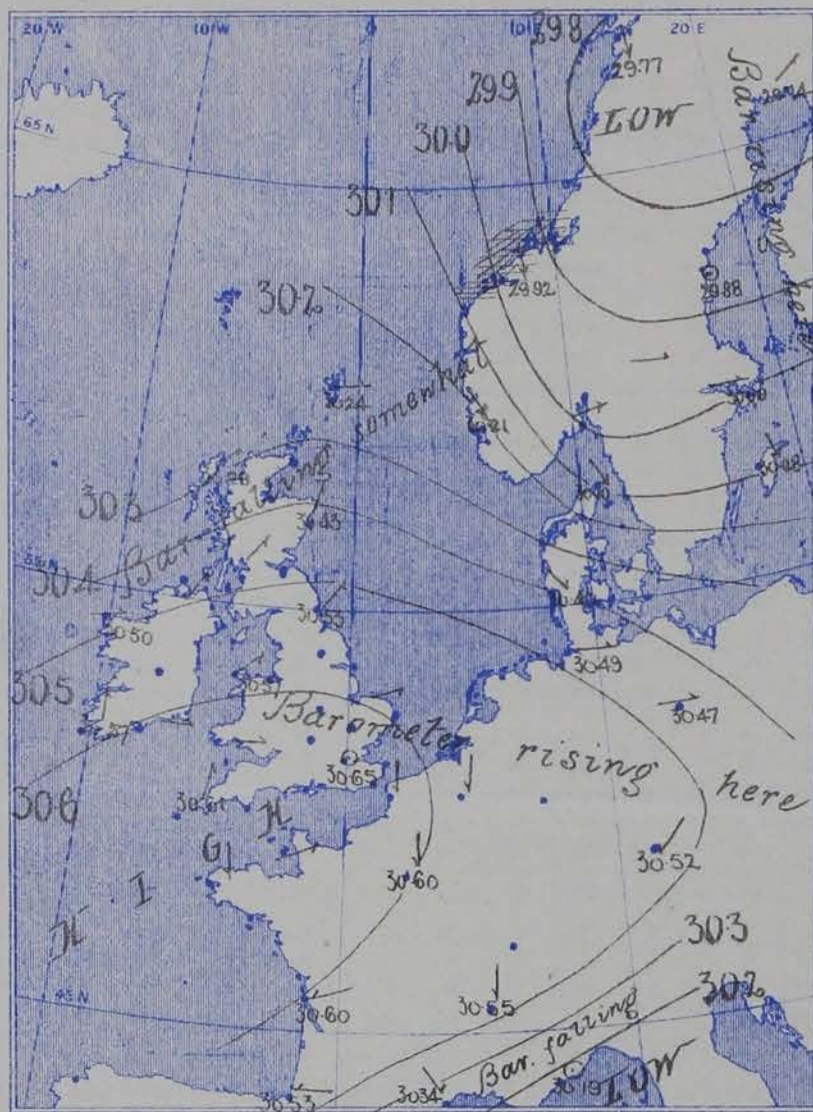
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ ; Force 5 to 7 →→→ ; } Calm ○
Force 8 to 10 →→→ ; Force 1 to 4 →→→ ; }

SEA—Rough, ≡≡≡ ; High ≡≡≡

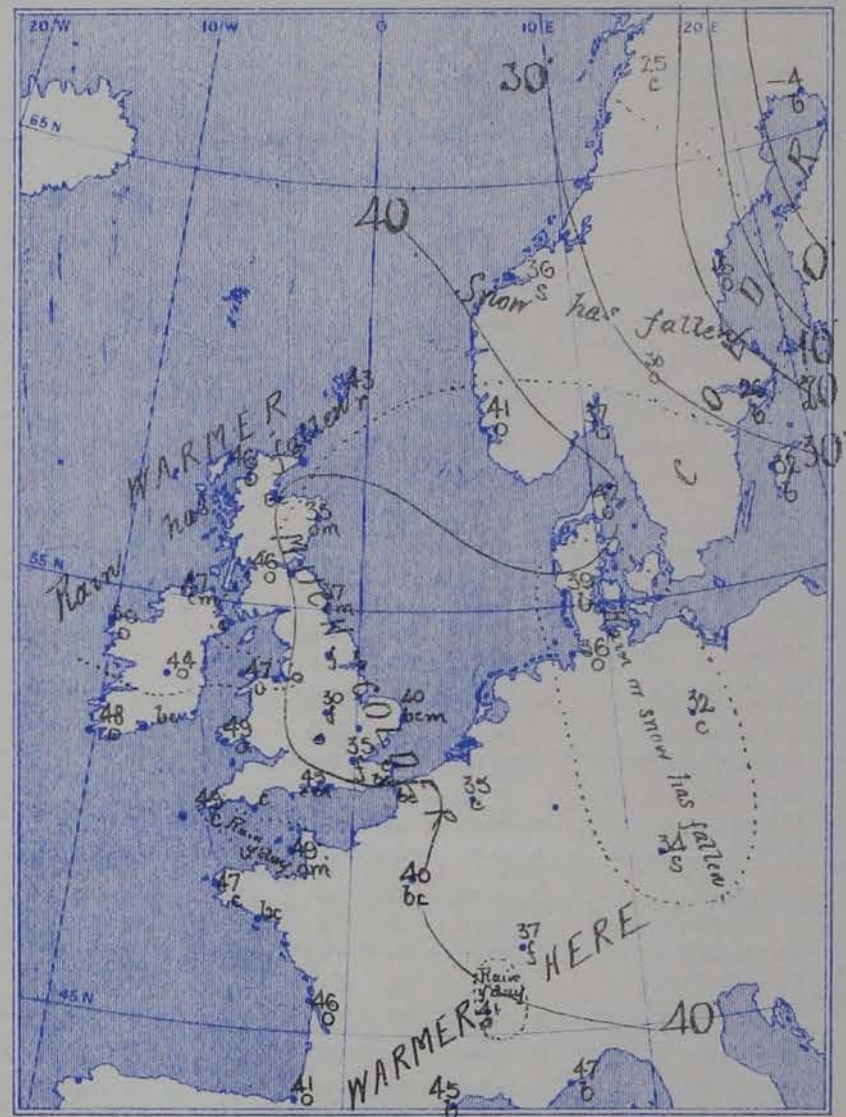


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95.						RAINFALL.		BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.		Means, 1866-95.	Hours	Means, 1881-95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.	Per cent. of possible.	
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	—	1881	2.24	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—
Pembroke	29.932	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6
Seilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3*
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	20

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 ins. and more to 30.5 ins. in an anticyclone lying over France, Ireland, England, the Netherlands and western Germany.

Lowest (1) Below 29.8 ins. in a shallow depression lying over the N. of Scandinavia, (2) below 30.2 ins. over the Riviera and N. of Italy.

Gradients slight over Ireland, England and the greater part of France moderate over the N. and E. parts of the North Sea, steep over the S.E. of France and over Switzerland.

Barometer falling at Stenway and inclined to fall in the extreme W. of Ireland, but rising at the N. stations.

TEMPERATURE

Highest 50° at Belmullet and above 45° at almost all the NW. and W. stations, both in our islands and France; 41° at Skudeosnes.

Lowest (1) -4° F. at Haparanda, +16° at Hernösand, 25° at Bodö, 26° at Stockholm, (2) 32° at Berlin, 34° at Munich, (3) 30° at Loughborough, 32° at York, 35° in London.

It had fallen very quickly over England during the night, very sharp frost having prevailed on the grass over our inland districts early in the morning.

WIND

(1) Light and anticyclonic over Ireland, England and France, (2) cyclonic from between NW. and W. over Norway, Denmark and the south of Sweden, and blowing hard in the west of Norway and strongly over the Skager Rack.

WEATHER

Fine over France and Sweden, very foggy or hazy at the English stations, dull over the greater part of Ireland and Scotland. Rain and snow were reported at the most N. of the stations on the coasts of NW. Europe, snow at Munich also, fog in the S.E. of France.

Snow and cold rain have fallen in considerable quantities over Germany, and smaller quantities of rain were reported locally in many parts of our islands and at Belfast. Bright sunshine recorded yesterday was - none at Valencia or Parsonstown, 0.2 hr. to 3.0 hrs. over St. Britain.

SEA

High at Christiansund, slight to smooth on our coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 24TH JAN.

1898

DISTRICTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

FORECASTS.

NONE ISSUED

DISTRICTS.


- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH


FORECASTS.

NONE ISSUED

WARNINGS

NONE ISSUED

Note.—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	30.13	39	37	N	4	b	2	Valencia ...	30.53	53	50	SW	3	o	4
Sumburgh Head ...	30.22	42	38	WNW	1	b	3	Scilly ...	30.57	52	51	W	3	o	3
Stornoway ...	30.32	41	40	W	3	o	3	Jersey ...	30.59	52	52	W	4	od	3
Aberdeen ...	30.38	37	36	WN	2	b	3	Hurst Castle ...	30.50	51	48	WSW	4	b	3
Shields ...	30.36	44	42	NNE	4	o	3	Dungeness ...	30.42	53	50	WSW	3	b	3
Ardrossan ...	30.37	46	45	W	4	c	3	North Foreland ...	30.42	57	48	WSW	4	c	2
Malin Head ...	30.44	45	44	WNW	3	c	3	London (Westminster) ...	30.44	55	49	W	2	o	#
Belmullet ...	30.48	47	42	N	1	b	*	Yarmouth ...	30.29	51	48	WNW	4	c	3
Holyhead ...	30.44	50	47	WNW	4	b	3	Rocheport ...	30.60	48	46	E	3	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning fine and bright over S^m and many parts of SW^m Europe, at some isolated stations over N. Germany and Sweden, and in many parts of the British Islands, dull elsewhere - snow falling over the S^m parts of Finland and some other parts of Russia, rain in Holland. Rain or snow later in many parts both of Continental Europe and in the Azores.

Temperature fallen rapidly over Finland, considerably over Scotland, but risen somewhat over France, Germany and the S. of Russia. Morning readings highest 57° at Algiers, 56° at Malta, 52° at Liverpool, 51° at Scilly and Shields, 50° at Prawle Point, Jersey, York and Leith. Lowest 1° at Haparanda, 12° at Kuopio, 27° at Rode, 29° at St. Petersburg; (2) 21° at Hermannstadt, 28° at Buda Pesth; (3) 29° at Lyons, 30° at Belfort, 31° at Limoges. Rising later to between 50° and 55° over England and Ireland, not nearly so high over Scotland, but touching 61° at Nice. Falling fast over England late at night.

Wind. Light and anticyclonic over the Channel, France and Spain; NW² to NE² over the Mediterranean, SW² to W² over England; NW² and N² over Scotland and Norway. A well-marked cyclonic circulation observed over the Baltic and Gulf of Finland - a gale being reported at New Fährwasser, Mornell and a very strong gale at Wisby. Becoming light and more variable over our Islands later.

Barometer Highest 30.6 and more over central and western France, and exceeding 30.3 ins. over Spain, Ireland, England, the greater part of Germany. Lowest 29.4 ins. in a depression over the western parts of the Gulf of Finland, and below 30.1 ins. in a very small one over the SE. of Scotland. Rising over the British Islands and Scandinavia, falling fast over Germany.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on *Monday 24th January*, 1898.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.			
				At 32° and M.S.L.	Dry Bulb.		Dirac.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.					Dirac.	Force (0 to 12.)	Max.	Min.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.	
SCANDINAVIA.	Haparanda ...	29.80	-4	2	0	b	30.15	+ .41	2	0	+ 6	N	2	b	#	b	#	2	-13	-	
	Hernösand ...	29.94	21	NW	4	b	30.21	+ .33	13	11	- 3	NW	4	b	#	b	#	25	13	-	
	Stockholm ...	29.94	25	2	0	b	30.03	+ .03	19	18	- 7	NNW	4	b	#	b	#	28	19	0.04	
	Wisby ...	29.92	32	E	4	b	29.98	- .10	27	24	- 5	N	6	b	#	b	#	32	25	0.08	
	Karlstad ...	30.03	31	NW	4	b	30.17	+ .20	23	22	- 7	NW	2	b	#	b	#	#	#	-	
	Bodö ...	29.99	21	N	1	b	30.15	+ .38	19	16	- 6	E	2	b	1	b	#	27	19	-	
	Christiansund ...	30.09	34	NE	1	s	30.16	+ .24	30	28	- 6	SE	1	b	4	s	#	36	30	0.35	
	Skudesnaes ...	30.18	38	2	0	r	30.09	- .12	37	37	- 4	E	4	r	2	b.c.r	#	41	34	#	
	Færder (Christiania Fjord)	30.09	37	WNW	2	b	30.16	+ .20	32	29	- 5	NNE	4	0	2	b	#	39	32	-	
	Skagen (The Scaw)	30.10	40	NNE	4	0	30.12	+ .02	39	33	- 3	2	9	0	0	0	#	43	37	-	
BRITISH ISLANDS.	Fanö ...	30.24	41	W	4	0	30.13	- .27	44	43	+ 5	W	4	c	#	0	#	44	39	0.04	
	Sumburgh Head	30.09	47	W	4	0	30.06	- .18	48	48	+ 5	W	4	r	5	0	#	48	43	0.23	
	Stornoway ...	30.23	48	WSW	4	0	30.27	- .02	48	47	+ 2	W	3	9	3	a.o	0.1	48	44	0.02	
	Wick ...	30.22	45	W	5	b	30.20	- .11	48	46	+ 7	W	4	0	2	b	#	48	39	0.03	
	Nairn ...	30.32	46	W	1	c	30.31	- .07	47	44	+ 7	W	1	b	1	c	#	49	38	-	
	Aberdeen ...	30.32	42	SW	2	og	30.28	- .15	48	43	+ 13	W	4	og	2	og	1.3	48	35	-	
	Leith ...	30.37	44	W	4	0	30.38	- .08	48	45	+ 9	WSW	3	0	#	0	#	50	31	-	
	Shields ...	30.44	47	W	3	c	30.41	- .12	45	43	+ 8	WSW	3	c	2	b.c	#	49	35	-	
	Spurn Head ...	30.49	45	W	3	c	30.45	- .12	45	43	+ 7	W	3	c	3	b.c,om	#	46	37	-	
	York ...	30.48	45	W	1	0	30.47	- .11	47	44	+ 15	W	1	c	#	a	0.0	49	32	-	
GERMANY & HOLLAND.	Loughborough ...	30.56	46	WSW	2	0	30.53	- .09	45	42	+ 15	W	2	0	#	f.b.c.o	#	47	30	-	
	Ardrossan ...	30.47	47	SW	3	0	30.42	- .06	48	47	+ 2	W	3	c	3	0	#	48	45	-	
	Malin Head ...	30.44	48	SW	4	c	30.45	- .02	47	46	0	SSW	4	omg	2	0.c	#	49	42	-	
	Belmullet ...	30.49	50	WSW	3	0	30.48	- .02	50	47	0	SW	1	0	#	0	#	50	47	0.01	
	Donaghadee ...	30.51	46	WSW	3	c	30.51	- .01	45	44	- 1	WSW	3	c	1	c	#	49	44	-	
	Liverpool (Bidston)	30.56	47	WSW	4	0	30.53	- .07	47	42	+ 8	W	3	0	3	0	#	49	38	-	
	Holyhead ...	30.58	48	WSW	3	0	30.55	- .02	47	45	0	W	2	0	1	0	#	50	45	-	
	Parsonstown ...	30.57	47	2	0	0	30.54	- .05	45	43	+ 1	2	0	0	#	0	0.0	48	43	-	
	Valencia ...	30.57	49	S	2	0	30.52	- .05	48	47	0	SSE	1	0	3	0	0.0	53	46	-	
	Roche's Point ...	30.60	50	SW	3	0	30.57	- .04	49	48	+ 2	WSW	3	b	3	0	#	52	46	-	
FRANCE & BELGIUM.	Pembroke (St. Ann's Hd.)	30.61	49	W	3	c	30.59	- .02	47	45	- 2	WNW	4	ov	4	c	4.3	51	45	0.05	
	Scilly ...	30.62	49	SSW	1	0	30.58	- .03	48	45	- 1	SSW	2	0	2	0	0.0	52	45	0.01	
	Prawle Point ...	30.64	47	NW	3	b	30.62	- .02	45	43	- 2	WSW	2	om	1	b	#	53	41	-	
	Jersey (St. Aubin's)	30.63	51	NW	1	om	30.62	- .02	49	48	0	WNW	2	omg	2	om	#	52	48	-	
	Hurst Castle ...	30.61	48	SW	1	om	30.58	- .04	46	43	+ 1	WNW	2	0	1	om	#	49	45	-	
	Dungeness ...	30.58	45	WSW	2	b	30.54	- .07	43	42	+ 8	W	2	c	1	b	#	49	34	-	
	North Foreland	30.58	43	W	2	c	30.53	- .10	45	43	+ 2	W	3	0	2	b.c	#	46	38	-	
	London (Brixton) ...	30.60	43	WSW	1	b	30.55	- .10	45	42	+ 10	W	1	ogm	#	bef.b	0.0	47	35	-	
	Oxford ...	30.61	47	WSW	2	0	30.57	- .09	43	42	+ 6	W	1	og	#	0.c	#	48	37	-	
	Cambridge ...	30.57	41	NW	1	b	30.53	- .12	45	43	+ 14	WNW	1	0	#	b	4.5	49	29	-	
PENIN- SULA.	Yarmouth ...	30.57	42	W	2	b	30.44	+ .15	44	42	+ 4	WNW	1	omg	3	b	#	45	39	-	
	Cuxhaven ...	30.34	40	WNW	5	0	30.19	- .30	42	42	+ 6	WNW	4	0	#	0.r	#	43	36	0.04	
	Berlin ...	30.23	39	W	5	0	30.08	- .39	41	39	+ 9	WNW	3	r	#	0	#	41	32	0.32	
	Wiesbaden ...	#	#	#	#	#	30.43	38	36		SW	2	0	#	#	#	45	37	-		
	Munich ...	30.50	35	W	3	0	30.41	- .11	33	32	- 1	W	5	0	#	0	#	36	32	0.04	
	The Helder ...	#	#	#	#	#	30.50	13	40	39	+ 5	WSW	3	f	#	b	#	44	33	-	
	Brussels ...	30.52	45	W	2	c	30.47	- .06	46	44	- 5	NNW	2	0	2	c	#	46	41	-	
	Cape Gris Nez ...	30.61	39	WSW	2	0	30.60	00	32	32	- 8	S	1	0	#	0	#	43	29	-	
	Brest ...	30.63	50	NE	1	c	30.60	- .04	47	45	0	ENE	1	c	1	c	#	54	37	-	
	Lorient ...	30.62	49	2	0	c	30.60	- .03	46	46	0	ENE	1	0	1	c	#	55	43	-	
FRANCE & BELGIUM.	Rocheport ...	30.57	47	N	3	b	30.58	- .02	35	34	- 11	ENE	4	c	#	b	#	50	34	-	
	Belfort ...	30.54	37	NE	2	f	30.52	00	32	32	- 5	2	0	f	#	f	#	43	32	-	
	Lyons ...	30.55	41	N	2	b	30.58	+ .03	46	39	+ 5	NW	5	0	#	b	#	46	34	-	
	Nice ...	30.31	50	SW	1	b	30.24	+ .05	45	37	- 2	E	4	b	2	b	#	63	45	-	
	Perpignan ...	30.42	48	NNW	2	b	30.38	+ .04	47	41	+ 2	NW	3	b	#	b	#	54	43	-	
	Biarritz ...	30.55	46	E	1	0	30.51	- .02	41	39	0	ESE	2	b	2	0	#	48	41	-	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport. 0.0 hrs;

WEATHER CHARTS

FOR MONDAY, 24TH JANUARY, 1898

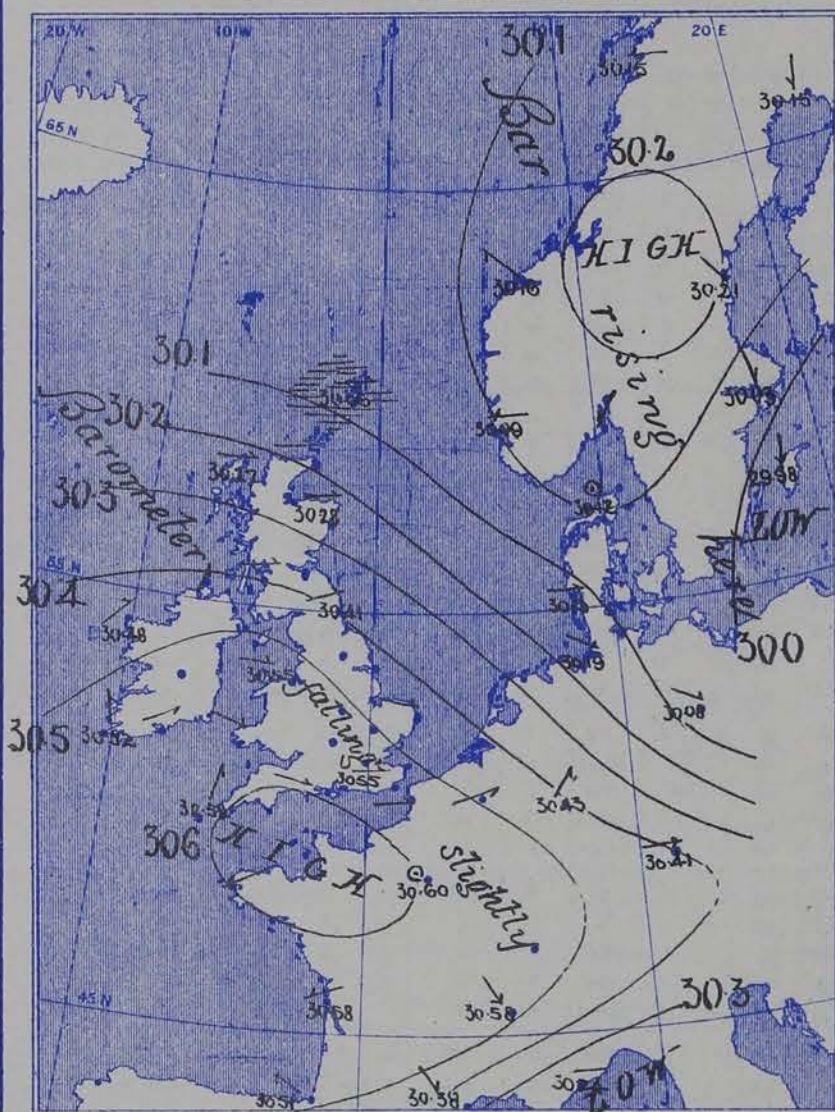
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ ; Force 5 to 7 →→→ ; Force 8 to 10 →→→ ; Force 1 to 4 →→→ ; Calm ☉

SEA—Rough ≡≡≡ ; High ≡≡≡

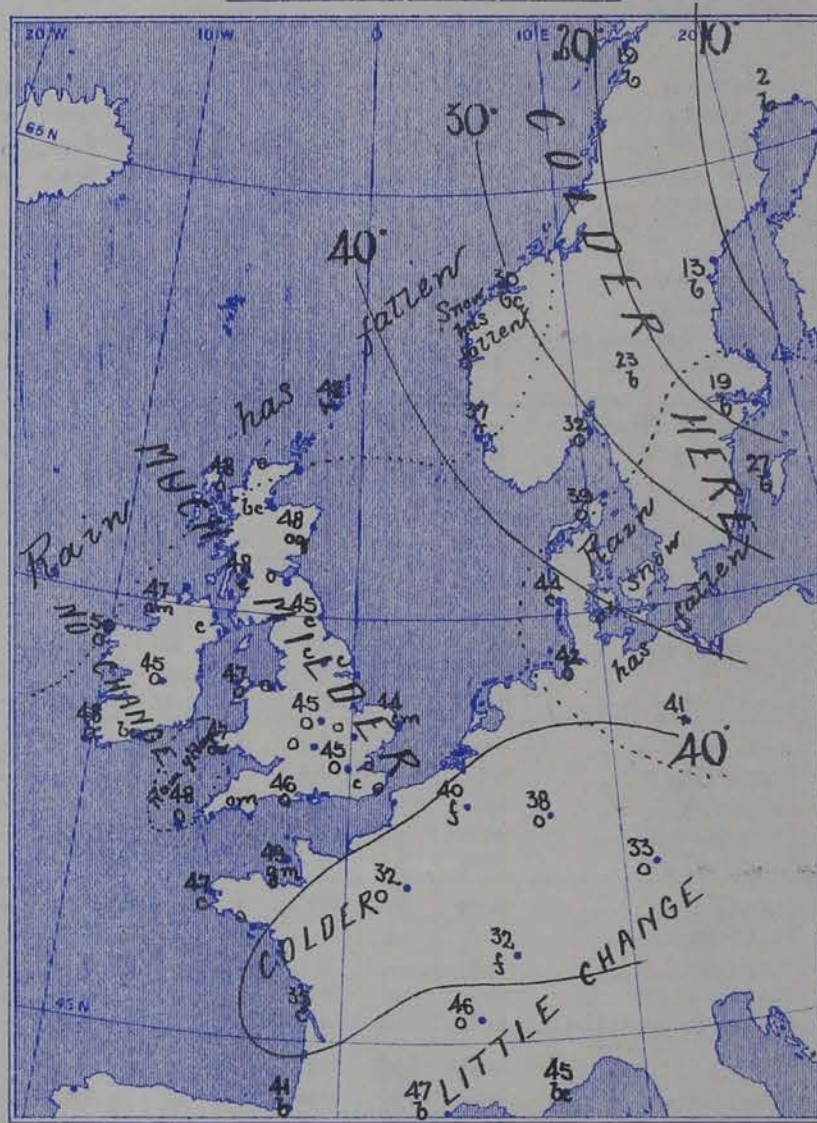


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	— 4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.932	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1894	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3†	8†
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 in. and more to 30.4 in. in an anticyclone covering France, Spain, the Bay of Biscay, Ireland, England, Belgium and the southwestern parts of Germany.
 Lowest below 30.0 in. over the Baltic, and below 30.1 in. over the Shetland Islands.
 Gradients slight over our Islands and France.
 Barometer falling a little over the British Isles and France, rising decidedly over Scandinavia, where anticyclonic conditions were being developed.

TEMPERATURE

Highest 49° to 43° over the British Islands and the English Channel; 41° at Berlin, 40° at Brussels.
 Lowest (1) 2° F. at Haparanda, 13° at Helsingfors, 19° at Stockholm; (2) 32° at Delft and Paris, 33° at Munich.
 It had changed very suddenly and irregularly over our Islands during the preceding 36 hrs, and had risen decidedly over Scotland and England during the night.

WIND

Light and anticyclonic over all the Southern parts of our area; W³ over Scotland, but E² on the Norwegian coast; N⁴, moderate to strong over the Baltic, NW⁴, moderate over N. Germany.

WEATHER

Very fine and bright over Scandinavia, the SE. of England, and the S^m parts of France, overcast elsewhere, hazy and gloomy in many localities.
 Rain has fallen at our northern stations, and over the countries lying to the Erd of the North Sea; a local fall of 0.05 in. is reported at Pembroke. Bright Sunshine yesterday amounted to 6 hrs. or more at some of our S. coast stations, to more than 4 hrs. at Cambridge and Pembroke, and to 1.3 hrs. at Aberdeen.

SEA

Rather rough in the far N., smooth at Holyhead and in the English Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The indications of change of weather are at present very slight and undecided - but there is a tendency for the S^m anticyclone to give way, while that over Scandinavia is increasing in intensity.

FORECASTS

For the 24 hours ending at NOON on 25TH JANUARY 1898

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

W³ and SW³ breezes, moderate, some rain.
 W³ breezes, light, fair, hazy, cooler.
 Same as No. 5.
 Same as Nos. 1 and 2.
 Variable anticyclonic airs, cooler, hazy or foggy at times, gloomy.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

Same as No. 0.
 Same as Nos. 1 and 2.
 SW³ to SE³ breezes, light, fair, hazy.
 Same as No. 0.
 Same as No. 8.
 None issued.

WARNINGS

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.24	39	38	NNW	3	bc	2	Valencia ...							
Sumburgh Head ...								Scilly ...							
Stornoway ...	30.28	48	47	W	3	a	3	Jersey ...	30.63	52	51	WNW	3	o	3
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	30.59	48	45	W	3	bc	2
Ardrossan ...								North Foreland ...	30.60	45	42	WNW	2	bc	2
Malin Head ...	30.45	47	46	SW	4	c	2	London (Westminster) ...							#
Belmullet ...	30.50	50	47	WNW	3	o	#	Yarmouth ...							
Holyhead ...								Rochefort ...	30.60	50	48	NNE	3	o	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Continental information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 16TH TO 22ND JANUARY

In the course of the past week a well marked anticyclonic system in which the highest readings exceeded 30.6 ins. has been lying over Germany, France and the S.^m parts of our Islands, while depressions of considerable size and intensity have moved in a N.E.^m direction from the Atlantic towards Lapland and the N. of Scandinavia. The distance of these disturbances from our coasts was, however, so great that their effect on the weather over the United Kingdom was slight, and confined to the extreme N.^m and W.^m stations; but on some occasions shallow secondary systems caused local showers at times, the most important of these being a small disturbance which travelled across the N. of Ireland and S. of Scotland on the night of the 21ST - 22ND, causing considerable falls of wet snow and rain over the E.^m parts of Scotland generally.

Temperature has varied greatly and suddenly from time to time. On some occasions sharp frosts have been experienced at the inland stations, but on other occasions the thermometer has risen to an unusual height, so that on Tuesday and Wednesday readings were recorded as high as 58° to 60° over the E.^m parts of Scotland, 53° to 58° in Ireland, and 54° or 55° in many parts of England.

A good deal of fog and mist has prevailed over our S.^m districts and France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 25th January, 1898.
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom.	Temp.	Wind.			Barometer.	Temperature.	Wind.								Temp.			
		At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)	Weather.	At 32° and M.S.L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Dirac.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
SCANDINAVIA.	Haparanda ...	Ins.	0				Ins.	Ins.	0	0	0							0	0	Ins.
	Hernösand ...	30.36	-16	Z	0	b	30.15	0.00	14	14	+ 12	SSW	2	c	#	b	#	14	-18	-
	Stockholm ...	30.43	5	Z	0	b	30.21	0.00	22	21	+ 9	S	6	s	#	b	#	23	3	0.04
	Wisby ...	30.38	19	NNE	2	b	30.47	+ .44	18	17	- 1	SE	2	o	#	b	#	25	18	-
	Karlstad ...	30.28	27	NNE	8	b	30.48	+ .50	17	15	- 10	ESE	4	b	#	b	#	27	17	0.04
		30.43	19	N	2	b	30.34	+ .17	26	24	+ 3	S	4	o	#	b	#	#	#	-
	Bodö ...	30.05	27	E	4	o	29.49	- .66	26	25	+ 7	ESE	6	s	2	o	#	27	19	-
	Christiansund ...	29.97	36	SSW	5	o	29.87	- .29	44	41	+ 14	WSW	4	c	5	o	#	45	28	0.24
	Skudesnaes ...	30.28	34	SSE	8	o	30.24	+ .15	40	39	+ 3	S	6	o	4	r.o	#	40	34	#
	Færder (Christiania Fjord)	30.39	30	SSE	2	o	30.26	+ .10	35	33	+ 3	SW	6	o	3	o	#	35	30	-
BRITISH ISLANDS.	Skagen (The Scaw)	30.39	32	E	2	b	30.36	+ .24	32	30	- 7	SW	3	o	0	b	#	39	30	-
	Fanø ...	30.34	33	ESE	4	s	30.39	+ .26	33	32	- 11	ESE	2	o	#	s	#	44	32	0.20
	Sumburgh Head	30.10	47	W	4	o	29.97	- .09	47	45	- 1	W	4	o	6	o	#	48	46	0.19
	Stornoway ...	30.25	48	WSW	4	o	30.03	- .24	48	47	0	SW	5	o	5	c.o	#	49	45	-
	Wick ...	30.24	45	W	2	b	30.07	- .13	42	40	- 6	W	2	b	1	b	#	50	40	-
	Nairn ...	30.29	45	W	1	b	30.13	- .18	46	42	- 1	WSW	3	b	2	b	#	52	41	-
	Aberdeen ...	30.30	39	SSW	1	b.m	30.18	- .10	34	33	- 14	SE	1	b.m	1	b.b.m	#	51	32	-
	Leith ...	30.38	46	W	3	o	30.27	- .11	47	43	- 1	WSW	4	o	#	o	#	51	43	-
	Shields ...	30.40	45	WSW	2	b	30.35	- .06	40	39	- 5	SSW	2	om	2	c.b	#	50	36	-
	Spurn Head ...	30.42	45	W	4	c	30.43	- .02	42	40	- 3	WSW	3	o	3	c	#	47	37	-
GERMANY & HOLLAND.	York ...	30.43	44	W	1	b	30.41	- .06	41	39	- 6	SW	1	c	#	c.b.f	#	51	34	-
	Loughborough ...	30.50	45	WNW	2	o	30.47	- .06	43	41	- 2	WSW	2	ogm	#	o.c.ogm	#	47	41	-
	Ardrossan ...	30.42	47	WSW	3	o	30.29	- .13	47	47	- 1	SSW	3	o	3	o	#	49	46	-
	Malin Head ...	30.39	47	S	3	o	30.24	- .21	47	46	0	S	4	c	2	o	#	48	46	-
	Belmullet ...	30.39	49	SSW	4	op	30.26	- .22	50	47	0	WSW	5	o	#	o.p	#	50	47	0.03
	Donaghadee ...	30.47	47	WSW	3	o	30.38	- .18	46	45	+ 1	SSW	3	c	1	o	#	47	44	-
	Liverpool (Bidston)	30.50	45	W	3	o	30.43	- .10	45	44	- 2	SSW	2	o	2	o	#	47	43	-
	Holyhead ...	30.52	46	SW	1	og	30.41	- .14	48	45	+ 1	SW	3	o	2	o.og	#	49	44	-
	Parsonstown ...	30.47	48	Z	0	o	30.37	- .17	40	40	- 5	Z	0	b	#	o.p	#	49	39	-
	Valencia ...	30.45	50	SSE	2	o	30.35	- .17	50	46	+ 2	S	3	o	3	cp.o	#	51	47	0.03
FRANCE & BELGIUM.	Roche's Point ...	30.49	50	SW	4	o	30.42	- .15	51	50	+ 2	SSW	4	o	3	o	#	51	48	-
	Pembroke (St. Ann's Hd.)	30.54	47	W	4	c	30.45	- .14	50	46	+ 3	WSW	4	ov	3	c	#	50	45	0.01
	Scilly ...	30.53	50	NNE	1	o	30.46	- .12	49	45	+ 1	SSE	4	o	2	o	#	51	45	-
	Prawle Point ...	30.53	46	WSW	2	c	30.52	- .10	45	43	0	NNE	2	c	1	c	#	49	43	-
	Jersey (St. Aubin's)	30.59	46	NNW	3	cg	30.54	- .08	47	45	- 2	SE	3	o	3	og	#	50	45	-
	Hurst Castle ...	30.54	46	NW	1	om	30.53	- .05	44	41	- 2	WNW	1	om	1	og.om	#	47	43	-
	Dungeness ...	30.51	44	WNW	2	o	30.52	- .02	42	40	- 1	WNW	1	c	1	o	#	46	41	-
	North Foreland	30.52	45	W	3	om	30.53	0.00	41	40	- 4	W	2	o	1	om	#	46	41	-
	London (Brixton) ...	30.53	46	SW	1	o	30.53	- .02	43	39	- 2	W	1	og	#	ogm	#	47	41	-
	Oxford ...	30.54	44	W	1	o	30.51	- .06	44	41	+ 1	SW	1	og	#	og	#	46	43	-
GERMANY & HOLLAND.	Cambridge ...	30.50	45	NW	1	o	30.50	- .03	42	40	- 3	WSW	1	o	#	o	#	47	40	-
	Yarmouth ...	30.41	45	WNW	3	c	30.46	+ .02	41	39	- 3	WSW	2	cm	3	c	#	47	39	-
	Cuxhaven ...	30.21	38	E	4	r	30.39	+ .20	32	32	- 10	SE	2	o	#	r	#	45	32	0.28
	Berlin ...	30.30	33	NE	3	c	30.49	+ .41	28	26	- 13	E	2	b	#	c	#	43	27	0.08
	Wiesbaden ...	#	#	#	#	#	?	?	44	43	+ 6	NW	2	o	#	#	#	45	38	-
	Munich ...	30.39	34	W	6	s	30.41	0.00	33	33	0	W	4	s	#	s	#	36	32	0.28
	The Helder ...	30.37	44	NW	2	o	30.42	0.00	44	43	0	NW	1	o	1	o	#	46	43	-
	Brussels ...	#	#	#	#	#	30.52	+ .02	41	40	+ 1	WSW	1	m	#	o	#	45	39	-
	Cape Gris Nez ...	30.45	46	NNW	1	m	30.44	- .03	45	41	- 1	NNW	2	o	2	m	#	48	41	-
	Paris ...	30.55	39	SSW	1	o	30.54	- .06	39	38	+ 7	SE	2	o	#	o	#	41	32	-
FRANCE & BELGIUM.	Brest ...	30.56	48	ENE	1	o	30.51	- .04	45	43	- 2	ENE	2	o	2	o	#	52	39	-
	Lorient ...	30.56	50	NE	3	o	30.52	- .08	44	43	- 2	ENE	4	o	2	o	#	55	43	-
	Rochefort ...	30.52	41	ENE	4	b	30.50	- .08	40	39	+ 5	ENE	4	o	#	b	#	46	32	-
	Belfort ...	30.50	33	WSW	3	m	30.49	- .03	32	32	0	Z	0	f	#	m	#	38	30	-
	Lyons ...	30.56	33	NNW	1	o	30.49	- .09	36	35	- 10	N	2	o	#	o	#	39	33	-
	Nice ...	30.13	47	E	2	b	30.16	- .08	40	37	- 5	E	2	b	#	b	#	57	39	-
	Perpignan ...	30.28	54	NW	4	b	30.25	- .13	53	40	+ 6	NW	4	b	#	b	#	63	47	-
	Biarritz ...	30.42	46	ENE	2	b	30.38	- .13	38	37	- 3	ESE	2	o	2	o	#	54	37	-
	Corunna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
	Lisbon ...	30.42	49	NNE	4	b	30.40	- .09	38	37	- 3	NNE	4	b	#	b	#	54	37	-
PENIN-SULA.	Azores (P. Delgada)	29.52	58	SSE	6	c	29.45	- .28	56	55	- 5	WSW	4	o	5	c	#	63	54	0.39

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport. 0.0 hrs.

WEATHER CHARTS

FOR TUESDAY, 25TH JANUARY, 1898

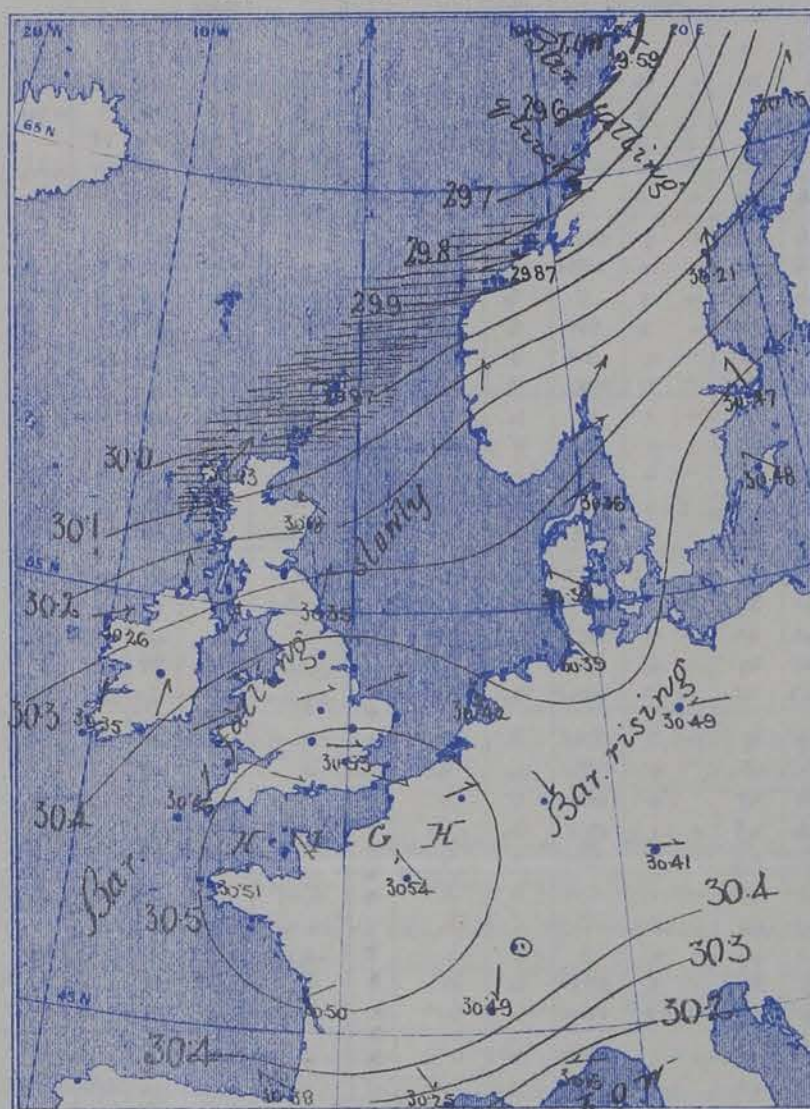
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→→→ ; Force 5 to 7 →→→→→ ; Force 8 to 10 →→→→→ ; Force 1 to 4 →→→→→ ; Calm ○

SEA—Rough ≡≡≡ ; High ≡≡≡

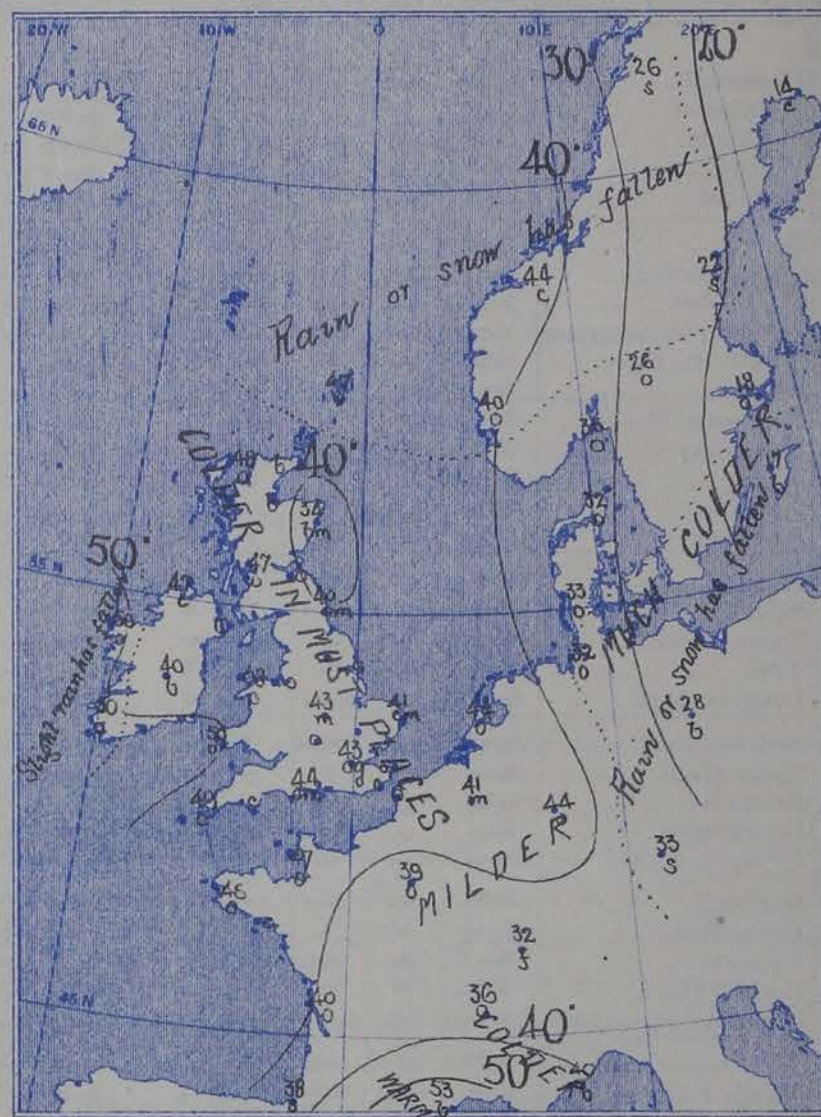


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)									(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	— 4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.932	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3	84
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of Temperature at these Stations are from observations made during the 15 years—1881-95.

+ The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest 30.5 ins. and upwards over the S. of England, Belgium and the N. and central parts of France; 30.4 ins. and upwards over Germany, the Baltic and the south of Sweden.</p> <p>Lowest 29.5 ins. and less in a depression lying off the northern parts of the Norwegian coast.</p> <p>Gradients slight generally, but steep over the northern parts of Scandinavia.</p> <p>Barometer falling at all but the German, Danish and Baltic stations, - most in the extreme N.</p>
TEMPERATURE	<p>Highest (1) 53° at Perpignan, (2) 51° at Roske's Pt., 50° at Belmullet, Valencia (Ireland) and Pembroke, and 49° at Scilly.</p> <p>Lowest 14° at Haparanda, 17° at Wisby, 18° at Stockholm, and 22° at Helsingfors; lowest in our Islands 34° at Aberdeen.</p> <p>During yesterday the thermometer rose to 50° or slightly above it at several of our W. and N. stations. Over the E. and S.E. parts of the Kingdom, however, it did not rise much above 45°.</p>
WIND	<p>Light to moderate from the S. or S.W. on all our more western and northern coasts, and strong from the same quarters at several of the Scandinavian stations.</p> <p>Light from the W. over the southeastern parts of England, but from the E. in France, variable in Denmark and Germany.</p>
WEATHER	<p>Dull over W. Europe as a whole, with snow at Rodo and Helsingfors, as well as at Munich.</p> <p>Fine and bright in the N.E. of Scotland, and also in the extreme S. of France.</p> <p>Showers fell yesterday in the W. of Ireland, and more decided rains in the Shetlands, as well as at several of the Scandinavian, Danish and German stations.</p>
SEA	<p>Slight or smooth generally, but rough or rather so off the N. of Scotland and the W. of Norway.</p>


PROBABLE CHANGES IN SYSTEM NOW PREVALENT


A secondary depression is evidently approaching the north of Scotland, and freshening winds from the S.W. and W. are probable in that region, with some rain in the extreme west and north generally. Elsewhere no material change is likely to occur at present.

FORECASTS

For the 24 hours ending at NOON on 26TH JANUARY 1898

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S.W. and W. winds increasing in force, dull, some rain.	6 SCOTLAND WEST	S. and S.W. winds freshening, cloudy, some rain.
1 SCOTLAND EAST	S.W. winds, light or moderate, fair generally.	7 ENGLAND N.W.	S. winds, moderate, fair generally.
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	Same as No. 6.
4 MIDLAND COUNTIES	W. and S.W. winds, light, cloudy, some mist or fog.	10 IRELAND SOUTH	
5 ENGLAND SOUTH			None issued.

Note.—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	30.21	38	37	SSE	6	r	4	Valencia ...	30.47	50	49	SSE	3	o	4
Sumburgh Head ...	30.09	48	47	W	4	o	5	Scilly ...	30.56	50	46	WNW	1	o	2
Stornoway ...	30.25	49	46	W	4	o	4	Jersey ...	30.60	50	46	WN	3	o	3
Aberdeen ...	30.30	49	44	WSW	3	bc	1	Hurst Castle ...	30.56	47	45	NW	2	og	1
Shields ...	30.40	49	47	WSW	3	c	2	Dungeness ...	30.51	46	44	WNW	3	o	2
Ardrossan ...	30.43	47	47	WSW	3	o	3	North Foreland	30.51	45	44	W	3	o	2
Malin Head ...	30.42	48	47	SSW	3	o	2	London (Westminster)	30.53	48	45	W	o	ofg	#
Belmullet ...	30.44	50	48	SW	2	o	*	Yarmouth ...	30.42	47	44	WNW	3	o	3
Holyhead ...	30.54	47	44	SW	2	o	1	Rocheport ...	30.57	43	41	ENE	4	o	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull over W. and central Europe generally, with rain over E. Germany, and snow at Swinemunde, Vienna, St. Petersburg and Moscow. Fine over S. Europe, as well as in most parts of Scandinavia and Finland. Showers falling later in the W. of Ireland and more decided rain in the Shetlands, as well as at some of the Danish and German stations.

Temperature risen in our islands, but fallen at most of the Scandinavian stations. Morning readings, highest 63° at Palermo, 56° at Malta, 53° at Algiers, and 51° at La Caille, varying between 45° and 48° in most parts of the United Kingdom. Lowest - 3° F. at Uleaborg, +1° at Archangel and 2° at Haparanda, below the freezing point over N. and E. Europe generally. Rising later to 50° or a little above it at several of our own W. and N. stations; exceeding 55° in the S. of France, and reaching 63° at Perpignan.

Wind light to moderate from the S. in Ireland and from the W. over St. Britain, Denmark, the Netherlands, Germany and Austria; E. or SE. in the west of Norway. N. over Sweden and N. Russia, but SW. or S. in the south of Russia. E. or NE. over the Spanish peninsula and the west and south of France, variable in Italy. No important change occurring over western Europe during day.

Barometer highest 30.6 ins. and upwards over the N. of France and the W. parts of the English Channel, 30.2 ins. and upwards in an anticyclone lying over the greater part of W. Europe. Lowest 29.3 ins. and less in a depression lying over central Russia, 30.0 ins. and less in a shallow disturbance to the N. of Scotland. No important change occurring over western Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Wednesday 26th January, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.				
				At 32° and M.S.L.	Dry Bulb.		Direc.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.				Direc.	Force (0 to 12.)	Max.	Min.	Rainfall.
Ins.		°				Ins.	Ins.	°	°	°							°	°	Ins.		
SCANDINAVIA.	Haparanda ...	29.48	26	SW	6	s	29.14	- .01	30	30	+ 16	W	2	0	5	s	5	30	-18	0.32	
	Hernösand ...	29.81	28	SW	6	o	29.46	- .05	37	34	+ 15	W	4	0	5	o	5	37	0	0.08	
	Stockholm ...	30.09	29	SW	2	o	29.82	- .65	38	36	+ 20	SW	4	0	5	o	5	38	12	-	
	Wisby ...	30.24	31	SSW	6	o	30.04	- .44	37	35	+ 20	SW	6	0	5	o	5	37	16	0.04	
	Karlstad ...	30.04	36	S	4	o	29.83	- .51	41	39	+ 15	SSW	2	0	5	o	5	41	4	-	
	Bodö ...	29.34	43	SW	7	r	29.12	- .37	35	33	+ 9	SW	6	0	4	r	5	43	25	0.47	
	Christiansund ...	29.59	47	WSW	9	r	29.38	- .49	44	42	0	SW	9	r	6	r	5	48	43	0.71	
	Skudesnaes ...	30.10	44	SSE	4	o	29.95	- .29	45	44	+ 5	SSW	4	0	4	o	5	45	32	-	
	Færder (Christiania Fjord)	30.03	39	WSW	4	b	29.84	- .42	41	40	+ 6	SW	6	0	4	b	5	41	34	-	
	Skagen (The Scaw)	30.14	39	SW	4	m	30.00	- .36	44	43	+ 12	W	4	m	0	m	5	44	32	0.04	
BRITISH ISLANDS.	Fanö ...	30.31	41	SSW	4	o	30.21	- .18	42	42	+ 9	WSW	4	c	5	o	5	43	33	0.04	
	Sumburgh Head	29.81	48	WSW	7	o	29.68	- .29	49	47	+ 2	WSW	8	o	6	o	5	49	46	-	
	Stornoway ...	29.90	50	SW	5	o	29.78	- .25	49	48	+ 1	WSW	6	o	6	o	0.0	50	46	0.05	
	Wick ...	29.92	45	W	2	b	29.81	- .26	50	47	+ 3	WNW	6	ow	2	b	5	50	40	-	
	Nairn ...	30.00	48	W	2	b	29.89	- .24	49	46	+ 3	W	4	c	2	b	5	52	45	-	
	Aberdeen ...	30.06	45	SW	3	c	29.96	- .22	45	42	+ 11	S	1	og	1	b.c	4.9	48	34	-	
	Leith ...	30.18	46	W	3	b	30.10	- .17	48	44	+ 1	SW	4	o	5	b	5	52	45	-	
	Shields ...	30.25	45	SW	2	b	30.18	- .17	47	44	+ 7	SW	2	ow	2	b	5	51	39	-	
	Spurn Head ...	30.34	44	SSW	3	o	30.28	- .15	45	42	+ 3	SW	4	o	4	o	5	46	41	-	
	York ...	30.30	44	S	1	b	30.25	- .16	45	43	+ 4	S	2	b	5	o	5	46	39	-	
GERMANY & HOLLAND.	Loughborough ...	30.40	45	SW	2	o	30.36	- .11	44	42	+ 1	SW	2	o	5	o.c.o	5	48	43	-	
	Ardrossan ...	30.20	47	S	3	o	30.13	- .16	47	47	0	SW	4	o	3	o	5	48	46	-	
	Malin Head ...	30.13	48	SSW	4	c	30.07	- .17	48	47	+ 1	SSW	4	ow	2	b.c	5	50	46	-	
	Belmullet ...	30.15	51	WSW	5	o	30.08	- .13	51	47	+ 1	WSW	3	o	5	o	5	51	47	0.01	
	Donaghadee ...	30.22	48	SW	4	b	30.20	- .13	46	44	0	WSW	3	c	2	b	5	51	44	-	
	Liverpool (Bidston)	30.36	47	SW	3	o	30.30	- .13	46	43	+ 1	SW	2	o	1	o	5	49	43	-	
	Holyhead ...	30.33	49	SW	4	og	30.27	- .14	49	47	+ 1	SW	4	ow	3	c.og	5	50	46	-	
	Parsonstown ...	30.27	46	SE	1	b	30.23	- .14	47	45	+ 7	SE	1	o	5	b	6.8	53	39	-	
	Valencia ...	30.25	50	SSE	2	c	30.24	- .11	50	46	0	SSW	2	o	4	c	0.0	52	48	-	
	Roche's Point ...	30.33	50	SSW	5	o	30.30	- .12	51	50	0	SSW	4	o	4	o	5	51	50	-	
FRANCE & BELGIUM.	Pembroke (St. Ann's Hd.)	30.37	48	SW	5	o	30.34	- .11	49	46	- 1	SW	5	og	4	o	0.0	49	47	-	
	Scilly ...	30.38	48	SSE	4	o	30.34	- .12	48	46	- 1	SSE	4	o	4	o	0.0	50	45	-	
	Prawle Point ...	30.45	46	S	2	o	30.44	- .08	43	41	- 2	SW	2	o	1	o	5	47	42	-	
	Jersey (St. Aubin's)	30.49	46	ESE	2	og	30.45	- .09	43	40	- 4	SE	3	o	2	og	5	47	41	-	
	Hurst Castle ...	30.46	45	SSW	1	o	30.43	- .10	46	43	+ 2	SW	3	og	2	c.o	5	47	44	-	
	Dungeness ...	30.47	42	WNW	1	o	30.43	- .09	42	41	0	L	0	o	0	c.o	5	45	41	-	
	North Foreland	30.47	42	SSW	2	o	30.45	- .08	42	40	+ 1	SW	2	o	1	o	5	44	40	-	
	London (Brixton) ...	30.46	43	SW	1	o	30.42	- .11	43	40	0	S	2	og	5	og	0.0	45	41	-	
	Oxford ...	30.45	44	SW	1	o	30.41	- .10	43	41	- 1	SSW	2	o	5	o	5	46	42	-	
	Cambridge ...	30.43	44	SW	2	o	30.41	- .09	43	41	+ 1	SSW	2	o	5	o	0.0	47	41	-	
PENIN- SULA.	Yarmouth ...	30.39	43	WSW	2	b	30.36	- .10	43	41	+ 2	WSW	3	og	3	c.b	5	44	40	-	
	Cuxhaven ...	30.38	34	S	2	o	30.31	- .08	39	38	+ 7	SW	2	o	5	o.d.f	5	39	32	0.04	
	Berlin ...	30.50	29	SE	3	b	30.35	- .14	28	27	0	SW	3	o	5	b	5	32	23	-	
	Wiesbaden ...	"	"	"	"	"	30.46	"	42	40	- 2	N	2	o	5	"	5	46	41	-	
	Munich ...	30.46	35	W	3	r	30.46	+ .05	34	34	+ 1	L	0	f	5	r	5	36	33	0.24	
	The Helder ...	30.41	42	WSW	2	o	30.35	- .07	44	42	0	SW	2	m	1	o	5	45	41	-	
	Brussels ...	"	"	"	"	"	30.49	- .03	39	35	- 2	WNW	1	m	5	o	5	41	37	-	
	Cape Gris Nez ...	30.42	44	WNW	1	o	30.38	- .06	43	38	- 2	SSW	1	o	1	o	5	46	39	-	
	Paris ...	30.49	37	NNE	2	b	30.46	- .08	38	36	- 1	NNE	2	c	5	b	5	46	33	-	
	Brest ...	30.47	44	ESE	2	o	30.39	- .12	38	37	- 7	E	1	b	1	o	5	48	30	-	
GERMANY & HOLLAND.	Lorient ...	30.46	44	E	3	o	30.39	- .13	37	37	- 7	E	4	o	2	o	5	48	34	-	
	Rochefort ...	30.44	43	ENE	3	b	30.38	- .12	34	34	- 6	E	4	m	5	b	5	50	32	-	
	Belfort ...	30.44	36	ENE	5	m	30.43	- .06	36	36	+ 4	E	3	f	5	m	5	44	32	-	
	Lyons ...	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
	Nice ...	30.20	50	E	2	b	30.36	+ .20	45	41	+ 5	L	0	o	2	b	5	57	40	-	
	Perpignan ...	30.25	47	L	0	b	30.35	+ .10	33	32	- 20	L	0	b	5	b	5	65	33	-	
	Biarritz ...	30.32	41	ENE	3	b	30.32	- .06	36	36	- 2	E	3	m	2	b	5	48	34	-	
	Corunna ...	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
	Lisbon ...	30.30	51	NNE	3	b	30.32	- .08	40	39	+ 2	NNE	4	o	5	b	5	54	38	-	
	Azores (P. Delgada)	29.75	56	W	5	o	29.84	+ .39	58	55	+ 2	SW	4	o	4	o	5	61	54	0.51	

For Explanation of Columns, see bottom of last page.

+ Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport...0.0 hrs;

WEATHER CHARTS

FOR WEDNESDAY, 26TH JANUARY, 1898

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ ; Force 5 to 7 →→→ ; } Calm ○
Force 8 to 10 →→→ ; Force 1 to 4 →→→ ; }

SEA—Rough ■■■ ; High ■■■■

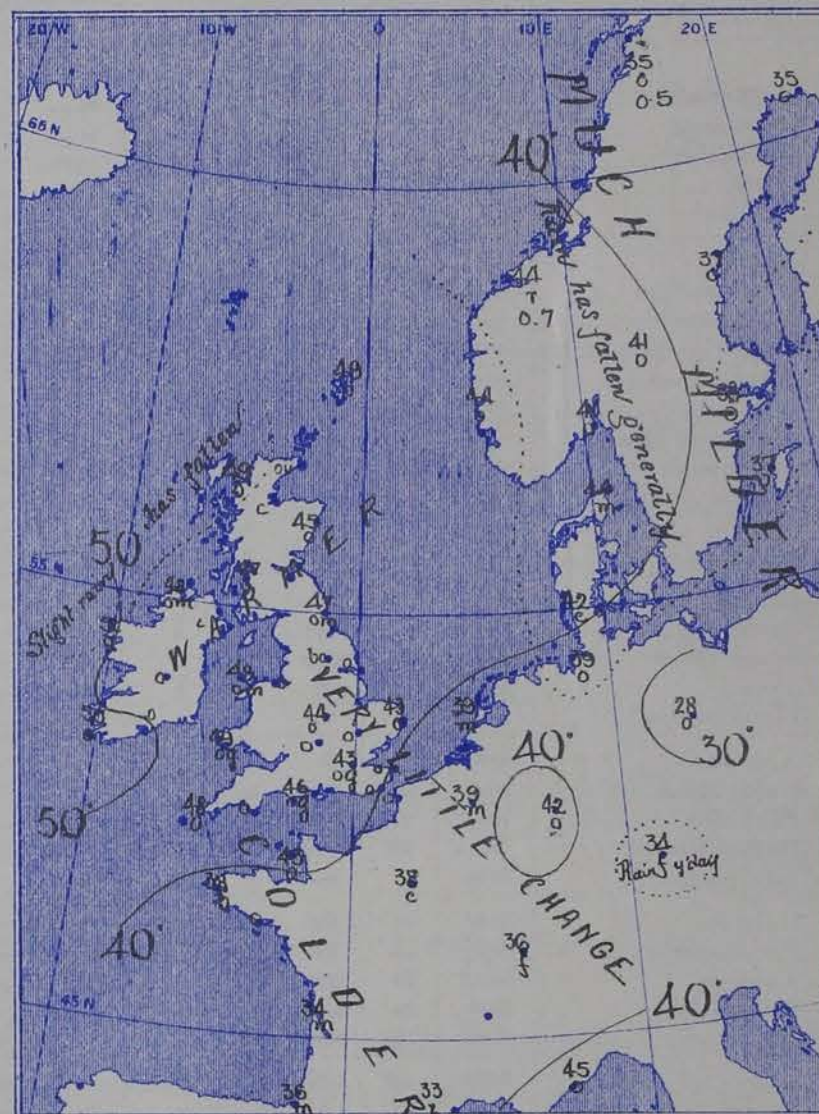


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—{ A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866-95.	BRIGHT SUNSHINE. Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	— 4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	5.48	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	2.90	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	3.26	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	2.18	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.99	50.8	21
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	6.31	56.1	22
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	5.33	—	—
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	3.71	53.6	21
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.63	—	—
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	2.92	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	3.21	71.2	27
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	2.86	—	—
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.47	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.06	19.3†	8†
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.16	47.1	19
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	1.52	49.8	20
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.96	—	—
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	—	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest 30.4 ins. and upwards in an anticyclone lying over the south and southeast of England, the Netherlands and the greater part of France and Germany.</p> <p>Lowest 29.2 ins. and less over the northern parts of Scandinavia.</p> <p>Gradients moderate to rather steep in the north, but slight elsewhere.</p> <p>Barometer falling generally, - slightly in most places, but briskly in Scandinavia.</p>
TEMPERATURE	<p>Highest 51° at Belmullet and Roche's Pt. 50° at Wick and Valencia (Ireland) and 49° at Sunningh 48° at Stornoway, Nairn, Holyhead and Pembroke.</p> <p>Lowest 28° at Berlin, 30° at Haparanda, 32° at Stockholm, 33° at Perpignan, & 34° at Munich & Rostock.</p> <p>During yesterday the thermometer rose to 50° or slightly above it at several of our western and northern stations. In the southeast of England it did not exceed 45°.</p>
WIND	<p>SW over northwestern Europe as a whole, light or moderate in force in most places, but strong to a gale in the Shetlands and west of Norway.</p> <p>Light to moderate from the End in the west of France, calm in the south of that country; variable over the southern parts of Germany.</p>
WEATHER	<p>Cloudy or dull over Wth Europe generally, with mist in several places, fog at Belfort and Munich and rain at Christiansund.</p> <p>Slight rain fell yesterday at Stornoway and Belmullet, and larger amounts at several of the Scandinavian stations.</p>
SEA	<p>Rough off the north of Scotland, and also at Christiansund, moderate on our southwest coasts, slight or smooth elsewhere.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any very decided change in the weather. The low pressure systems in the N. are, however, inclined to spread southwards, so that less settled weather is probable over the northern parts of the Kingdom.

FORECASTS

For the 24 hours ending at NOON on 27th JANUARY 1898

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW th and W th winds, strong; dull, some rain.
1	SCOTLAND EAST	SW th winds, moderate or fresh; cloudy, rain locally.
2	ENGLAND N.E.	
3	ENGLAND EAST	S th and SW th winds, light or moderate; fair generally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	S th and SW th winds, freshening; dull, some rain.
7	ENGLAND N.W.	S th and SW th winds, moderate; fair generally.
8	ENGLAND S.W.	
9	IRELAND NORTH	Same as N ^o 6.
10	IRELAND SOUTH	
WARNINGS		None issued.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes	30.18	43	42	S	4	0	3	Valencia	30.29	51	48	S	3	0	4
Sumburgh Head	29.85	48	46	WSW	5	0	6	Scilly	30.42	48	45	SSE	4	0	2
Stornoway	29.94	49	46	SW	5	0	5	Jersey	30.51	49	44	ESE	3	0	3
Aberdeen	30.10	47	43	S	1	0	1	Hurst Castle	30.49	46	43	N	1	0	1
Shields	30.19	48	46	SW	3	0	2	Dungeness	30.49	45	41	WNW	1	0	0
Ardrossan	30.23	48	47	SSW	4	0	3	North Foreland	30.46	43	40	SW	1	0	0
Malin Head	30.16	50	49	SSW	4	0	2	London (Westminster)	30.49	46	42	SW	3	0	3
Belmullet	30.19	51	48	WSW	3	0	#	Yarmouth	30.43	43	40	SW	2	0	#
Holyhead	30.37	50	47	SW	3	0	2	Rochefort	30.47	48	43	E	4	0	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning dull over W. Europe as a whole, with snow at Bodø & Herraörsund, as well as at Munich. Fine and bright in the N.E. of Scotland and also over W. and N. Russia and the greater part of central and S. Europe. Sky clearing later in the E. of England, but a little rain falling on our extreme NW. coasts, and larger quantities in many parts of Scandinavia, Denmark and Germany.

Temperature fallen in most countries, but risen in Scandinavia and also in Italy. Morning readings highest (1) 53° at Perpignan and Malta, and 51° at Algiers and La Ceca; (2) 51° at Roshes Pt., and 50° at Belmullet and Valencia (Ireland) and Pembroke; above 45° in the west and north of our Islands generally. Lowest -5° at Kuopio, -4° at Helsingfors, and -3° at Archangel; considerably below the freezing point over the whole of Sweden, Russia, Austria & E. Germany. Rising during day to 50° or a little above it at many of our own W. and N. stations, exceeding 55° in the S. of France, and reaching 65° at Perpignan.

Wind light to moderate from the S.W. or S.W. in all the more western and northern parts of our Islands, and strong from the same quarters at several of the Scandinavian stations. N. over Russia, Austria and E. Germany; variable in Italy; E. over the greater part of France; NE. over the Spanish peninsula. Subsequently increasing to a moderate gale from the W. in the Shetlands; no important change occurring elsewhere.

Barometer highest 30.5 ins. and upwards over the S. of England, Belgium and the N. and central parts of France, as well as in several smaller areas lying over various parts of Germany and the Baltic. Lowest 29.5 ins. and less in a depression lying off the NW. parts of the Norwegian coasts, 29.6 ins. and less in another disturbance over the extreme S. of Russia. No important change occurring over W. Europe during day, but barometer falling generally, - most in the north.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday 27th January,

1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.				
At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)	Weather.	Weather.	Max.	Min.	Rainfall.						
SCANDINAVIA.																					
Haparanda ...	28.86	31	Z	0	bc	28.50	-.64	31	30	+ 1	W	6	bc	#	bc	#	34	23	-		
Hernösand ...	29.20	42	W	6	o	29.14	-.32	37	30	0	W	6	c	#	o	#	45	27	-		
Stockholm ...	29.59	43	SW	4	o	29.43	-.34	45	42	+ 7	W	6	o	#	o	#	45	28	-		
Wisby ...	29.84	40	WSW	4	b	29.64	-.40	41	40	+ 4	W	6	o	#	b	#	41	28	-		
Karlstad ...	29.64	42	SW	2	bc	29.51	-.32	43	41	+ 2	SW	2	c	#	bc	#	#	#	-		
BRITISH ISLANDS.																					
Bodö ...																					
Christiansund ...	29.34	42	WSW	9	r	29.49	+ .11	35	31	- 9	WSW	9	s	6	r	#	48	32	0.75		
Skudesnaes ...	29.83	46	W	7	o	29.84	-.11	44	41	- 1	WNW	4	o	4	r.o	#	46	39	#		
Færder (Christiania Fjord)	29.69	44	SW	6	b	29.58	-.26	44	41	+ 3	SW	6	b	4	b	#	44	41	-		
Skagen (The Scaw)	29.86	44	W	4	b	29.78	-.22	45	44	+ 1	W	5	c	1	b	#	46	43	-		
Fanö ...	30.15	42	WSW	5	c	30.07	-.14	45	42	+ 3	WSW	5	c	#	c	#	45	41	-		
Sumburgh Head	29.64	48	WSW	6	r	29.89	+ .21	41	39	- 8	W	4	c	5	r	#	49	37	0.27		
Stornoway ...	29.82	50	W	6	r	30.03	+ .25	44	43	- 5	WNW	2	o	2	o.r	#	51	41	0.35		
Wick ...	29.82	49	WSW	6	o	30.02	+ .21	43	42	- 7	NW	2	r	2	o.r	#	53	42	0.15		
Nairn ...	29.90	49	WSW	5	c	30.01	+ .12	52	50	+ 3	WNW	3	c	2	c	#	57	48	-		
Aberdeen ...	29.95	50	WSW	3	c	30.07	+ .11	45	44	0	NE	2	og	1	og.c	#	52	45	-		
Leith ...	30.06	48	W	4	o	30.16	+ .06	49	46	+ 1	WSW	3	o	#	o	#	51	46	-		
Shields ...	30.18	49	SW	2	bc.m	30.22	+ .04	48	46	+ 1	SW	3	c	2	c.b.m	#	52	46	-		
Spurn Head ...	30.26	45	SW	4	om	30.31	+ .03	43	42	- 2	SW	4	c	3	om	#	47	42	-		
York ...	30.25	48	S	1	o	30.31	+ .06	45	42	0	SW	1	bc	#	o	#	49	42	-		
Loughborough ...	30.34	45	SW	3	o	30.37	+ .01	45	43	+ 1	SW	3	om	#	o	#	46	44	-		
Ardrossan ...	30.13	48	SW	3	o	30.21	+ .08	49	49	+ 2	SSW	3	o	3	o	#	49	46	-		
Malin Head ...	30.09	49	SSW	5	c	30.21	+ .14	49	49	+ 1	SSW	4	c.m.g	2	c	#	49	48	-		
Belmullet ...	30.17	51	WSW	4	o	30.32	+ .19	50	46	- 1	WSW	3	o	#	o	#	51	46	-		
Donaghadee ...	30.22	48	WSW	3	c	30.29	+ .09	46	44	0	W	4	c	2	c	#	50	45	-		
Liverpool (Bidston)	30.29	48	WSW	2	o	30.34	+ .04	47	44	+ 1	WSW	3	o	2	om	#	49	45	-		
Holyhead ...	30.29	50	SW	3	o	30.36	+ .09	48	45	- 1	WSW	1	o	1	omf.o	#	50	45	-		
Parsonstown ...	30.25	49	S	1	o	30.35	+ .12	46	43	- 1	Z	0	o	#	o	#	50	45	-		
Valencia ...	30.26	50	S	2	o	30.32	+ .08	49	46	- 1	SSE	3	o	3	o	#	52	48	-		
Roche's Point ...	30.31	51	SSW	4	o	30.38	+ .08	50	48	- 1	SSW	4	o	4	o	#	52	49	-		
Pembroke (St. Ann's Hd.)	30.33	49	WSW	5	o	30.39	+ .05	47	44	- 2	SW	4	og	4	o	#	49	46	-		
Scilly ...	30.35	49	SSE	4	om	30.35	+ .01	46	44	- 2	S	2	om	3	om	#	49	44	-		
Prawle Point ...	30.40	43	SSE	2	o	30.44	00	44	41	+ 1	SSE	2	c	1	o	#	44	41	-		
Jersey (St. Aubin's)	30.44	42	NE	1	bm	30.46	+ .01	42	41	- 1	ESE	3	om	3	bc.b.m	#	48	34	-		
Hurst Castle ...	30.42	46	SSW	2	o	30.45	+ .02	45	41	- 1	SSE	2	o	1	g.o	#	47	44	-		
Dungeness ...	30.41	44	Z	0	o	30.42	-.01	45	42	+ 3	WSW	3	c	2	o	#	46	42	-		
North Foreland	30.44	43	SSW	2	o	30.43	-.02	42	41	0	WSW	2	o	1	o	#	45	41	-		
London (Brixton) ...	30.41	44	SW	1	om	30.44	+ .02	43	40	0	W	1	og	#	og	#	46	42	-		
Oxford ...	30.41	44	SW	2	og	30.45	+ .04	43	41	0	SW	1	og	#	og	#	45	42	-		
Cambridge ...	30.38	44	SW	2	o	30.40	-.01	43	42	0	SW	2	o	#	o	#	46	41	-		
Yarmouth ...	30.33	44	WSW	2	cg	30.34	-.02	44	42	+ 1	WSW	2	bc	2	c.m.cg	#	45	41	-		
GERMANY & HOLLAND.																					
Cuxhaven ...	30.29	39	SW	3	o	30.20	-.11	42	41	+ 3	WSW	4	o	#	o	#	43	39	-		
Berlin ...	30.39	36	SW	3	o	30.30	-.05	38	36	+ 10	W	3	o	#	o	#	38	28	-		
Wiesbaden ...	#	#	#	#	#								#	#	#	#	#	#	-		
Munich ...	30.46	31	E	1	r	30.48	+ .02	32	32	- 2	NW	3	o	#	r	#	36	30	0.04		
The Helder ...	30.32	44	WSW	2	o	30.30	-.05	45	43	+ 1	WSW	2	c	2	o	#	45	44	-		
FRANCE & BELGIUM.																					
Brussels ...	#	#	#	#	#	30.45	-.04	39	37	0	SW	1	m	#	o	#	42	37	-		
Cape Gris Nez ...	30.38	43	S	1	m	30.38	00	43	40	0	SW	2	m	2	m	#	46	39	-		
Paris ...	30.45	38	NE	2	b	30.47	+ .01	38	36	0	NNE	1	m	#	b	#	48	37	-		
Brest ...	30.37	41	E	1	b	30.39	00	37	37	- 1	ENE	2	o	2	b	#	48	32	-		
Lorient ...	30.39	43	E	4	bc	30.43	+ .04	39	39	+ 2	SSE	1	m	2	bc	#	46	36	-		
Rochefort ...	30.41	35	E	2	m	30.42	+ .04	37	35	+ 3	E	3	m	#	m	#	37	34	-		
Belfort ...	30.41	39	E	4	m	30.48	+ .05	32	32	- 4	N	1	f	#	m	#	45	32	-		
Lyons ...	30.44	38	?	?	?	30.50		35	35		SW	1	m	#	?	#	43	31	-		
Nice ...	30.42	46	E	1	o	30.45	+ .09	44	43	- 1	Z	0	o	2	o	#	52	43	-		
Perpignan ...	30.39	43	Z	0	o	30.42	+ .07	36	35	+ 3	SW	1	b	#	o	#	49	33	-		
Biarritz ...	30.23	35	ENE	2	o	30.33	+ .01	32	30	- 4	E	2	f	2	o	#	41	28	-		
PENIN- SULA.																					
Corunna ...																					
Lisbon ...	30.33	51	NE	3	o	30.37	+ .05	47	46	+ 7	NE	3	o	#	o	#	52	46	0.51		
Azores (F. Delgada)	29.89	61	SSW	5	o	29.88	+ .04	60	58	+ 2	WSW	5	c	5	o	#	63	58	0.04		

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport. 0.0 hrs;

WEATHER CHARTS

FOR THURSDAY, 27th JANUARY, 1898

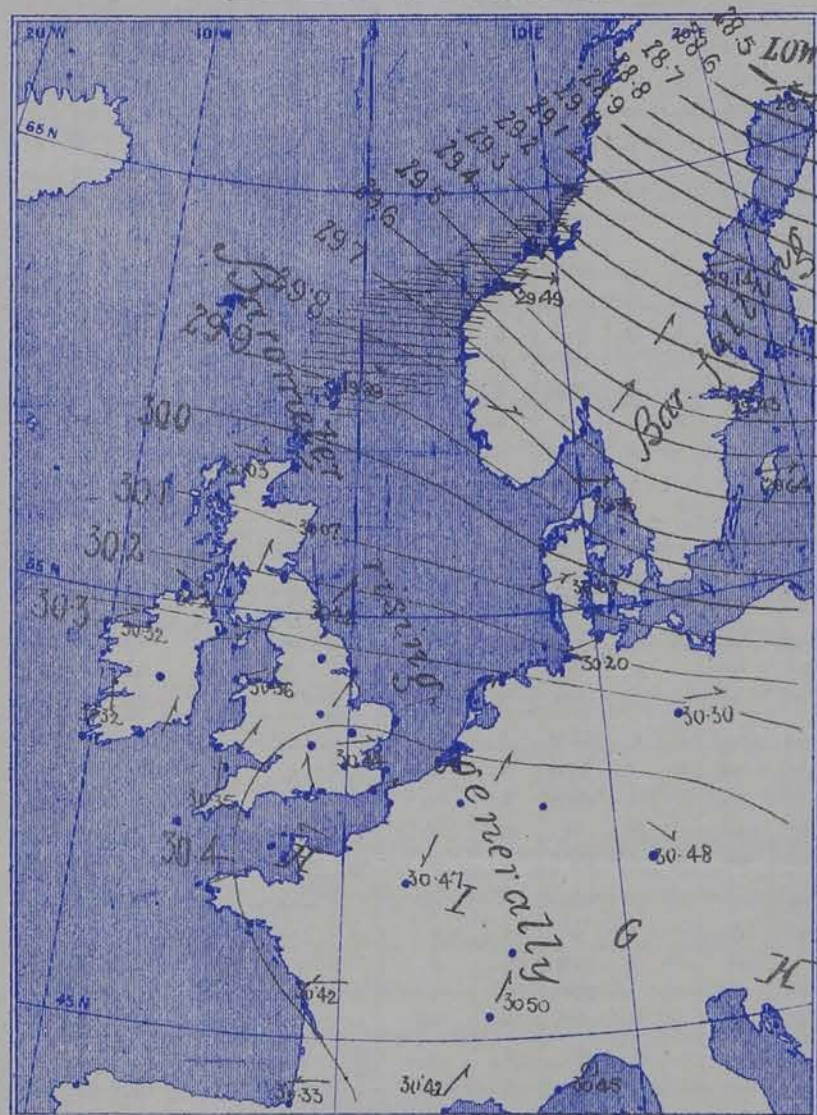
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ ; Force 5 to 7 →→ ; } Calm ○
Force 8 to 10 →→→ ; Force 1 to 4 →→ ; }

SEA—Rough ≡≡≡ ; High ≡≡≡

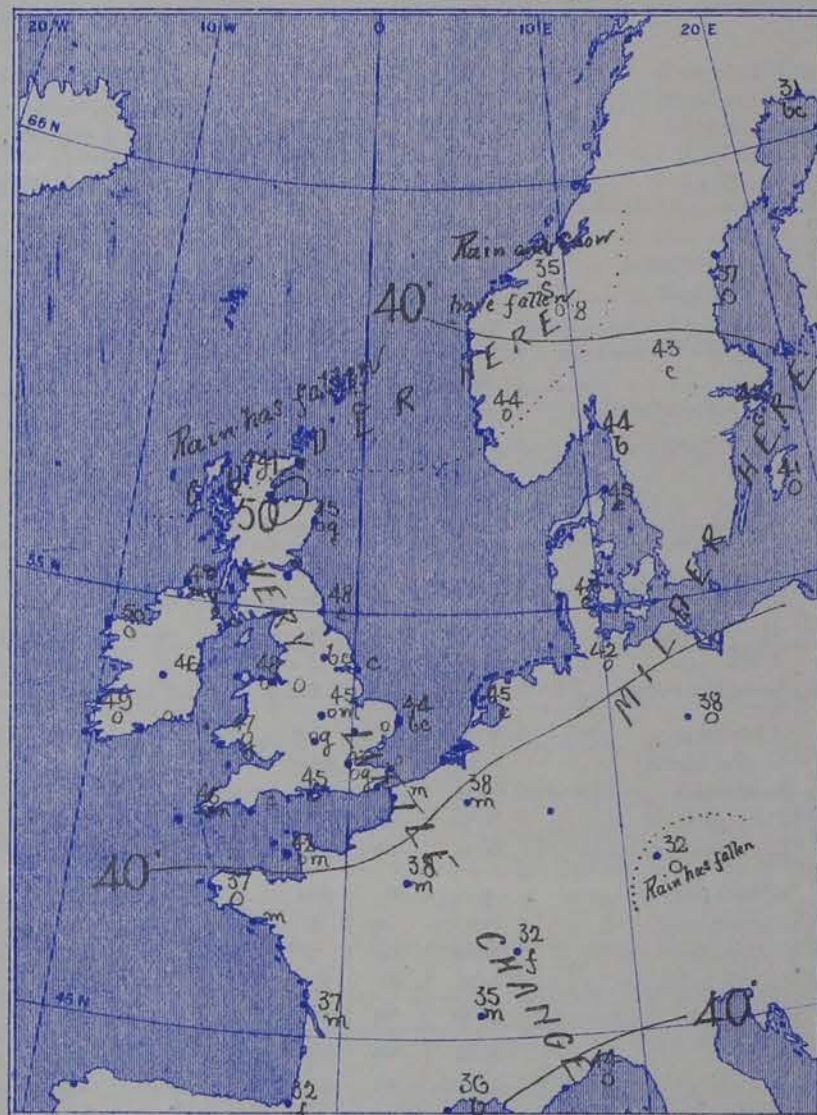


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	— 4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.932	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3†	8+
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest 30.4 ins. and upwards in an anticyclone lying over S. Germany, France, Belgium and the south of England.</p> <p>Lowest 28.5 ins. and less in a deep depression passing eastwards across Lapland.</p> <p>Gradients steep over Scandinavia, and moderate over Denmark & the North Sea, but slight elsewhere.</p> <p>Barometer rising at all but the Scandinavian and Danish stations.</p>
TEMPERATURE	<p>Highest (1) 52° at Nain, 50° at Belmullet and Roche's Pt., and 49° at Leit. Ardrossan, Malin Head and Valencia (Ireland); (2) 47° at Lisbon.</p> <p>Lowest (1) 31° at Haparanda, 35° at Christianund, and 37° at Herrisand; (2) 32° at Belfort & Munich.</p> <p>During yesterday, the thermometer rose to 50° and upwards at several of our W.^m and N.^m stations, and to 57° at Nain. In some parts of the S. and E. of England it did not exceed 45°.</p>
WIND	<p>Light to moderate from the S.W.nd over the eastern and central parts of our Islands, but S.th on our southwest coasts and W.th in the north of Scotland.</p> <p>Strong from the W.nd in Scandinavia, with a gale at Christianund; moderate to fresh from the same quarter in Denmark and Germany.</p> <p>Light from the E.nd in the west and south of France.</p>
WEATHER	<p>Dull over W.^m Europe as a whole, with fog or mist at several of the French stations, rain at Stockholm, and snow at Christianund.</p> <p>Fine at some stations in the north and east of England, as well as in the northern parts of Sweden.</p> <p>Rain fell yesterday in the north of Ireland and the west of Norway, but in nearly all other parts of our area the weather remained very dry.</p>
SEA	<p>Slight or smooth generally, but rough at Christianund and rather rough at Sunning 14th.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression recently noticed over the extreme northern parts of our area is travelling away to the eastward. There are at present no indications of the approach of any new disturbance, and dry but cloudy weather is therefore likely to continue for a time over the greater part of our Islands.

FORECASTS

For the 24 hours ending at NOON on 28TH JANUARY 1898

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

Wth winds, moderate, changeable, some rain.

Wth and S.W.th winds, light, fair generally.

S.W.th and S.th winds, light, fair generally, but cloudy and misty in places.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH


S.W.th winds, light, dull, some mist or fog.


S.th winds, light or moderate, dull, misty.

S.th winds, moderate, dull, slight rain locally.

WARNINGS

None issued.

Note.—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.92	46	44	SW	6	r	4	Valencia ...	30.25	52	49	S	2	o	3
Sumburgh Head ...	29.56	48	48	WSW	7	r	6	Scilly ...	30.36	48	45	SSE	4	o	4
Stornoway ...	29.79	51	49	W	6	o	6	Jersey ...	30.43	47	44	ESE	1	bc	2
Aberdeen ...	29.95	51	45	SW	3	cg	2	Hurst Castle ...	30.42	46	43	SW	3	ogm	2
Shields ...	30.16	51	46	SW	3	c	2	Dungeness ...	30.41	45	42	SSE	1	o	1
Ardrossan ...	30.13	48	48	SW	4	o	3	North Foreland ...	30.42	44	42	SSW	2	o	1
Malin Head ...	30.10	49	48	SSW	5	c	3	London (Westminster) ...	30.41	48	44	SW	1	ogm	#
Belmullet ...	30.16	51	48	WSW	4	o	*	Yarmouth ...	30.33	44	42	WSW	2	cm	3
Holyhead ...	30.29	50	48	SW	3	omp	2	Rochefort ...	30.39	36	35	E	2	w	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull over western and northern Europe generally, with fog in several parts of France and S. Germany, rain at Christiansund and snow in many parts of northern Russia. Fine in most of the southern countries, as well as in Austria, Poland and central Russia. Sky clearing partially later at some of our eastern stations, but rain falling in the extreme north of Scotland; no important change occurring elsewhere.

Temperature risen over our islands and N. Europe generally, - rapidly in Sweden and still more rapidly over Finland; fallen in most other localities. Morning readings, highest (1) 55° at Malta, 54° at Algiers, and 51° at Palermo; (2) 51° at Belmullet and Roche's Point, and 50° at Wick and Valencia (Ireland), above 45° in the W. and N. of our Islands generally. Lowest - 23° at Moscow, - 3° at Cracow, - 2° at Kiev, and + 3° at Archangel, below the freezing point over E. and central Europe generally. Rising during day to 50° and upwards at several of our own W. and N. stations, and to 57° at Nain; remaining below 50° over the greater part of France.

Wind SW. over nearly the whole of our Islands and northern Europe and strong to a gale in force in the north of Scotland, as well as over the west of Norway and the Gulf of Finland. Strong from the N. in the south of Russia, calm or variable in Austria, N. in Italy, E. over the greater part of France; NE. over the Spanish peninsula. Moderating later in the N. of Scotland, no important change occurring elsewhere.

Barometer highest 30.6 ins. and upwards over Poland and the northern parts of Austria; 30.3 ins. and upwards in an anticyclone embracing all the more central and southern parts of Europe and extending over the greater part of England. Lowest 29.2 ins. and less in a deep depression over the northern parts of Scandinavia; 30.0 ins. and less in another disturbance over the Black Sea. Depression in far north subsequently moving eastwards; barometer rising over western Europe generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday 28th January, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.				
				At 32° and M.S.L.	Dry Bulb.		Dirac.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.				Dirac.	Force (0 to 12.)	Max.	Min.	Rainfall.
Ins.		°				Ins.	Ins.	°	°	°							°	°	Ins.		
SCANDINAVIA.	Haparanda ...	29.97	27	NW	8	b		29.34	+ .84	18	17	- 13	NW	6	b	#	b	#	34	18	-
	Hernösand ...	29.42	28	NW	8	b		29.80	+ .66	23	22	- 14	NW	4	b	#	b	#	43	23	-
	Stockholm ...	29.66	31	NW	6	b		29.92	+ .49	28	25	- 17	WNW	8	b	#	b	#	46	28	-
	Wisby ...	29.73	37	W	9	o		29.97	+ .33	32	28	- 9	NNW	10	b	#	o	#	41	32	-
	Karlstad ...	29.86	32	WNW	8	b		30.13	+ .62	27	26	- 16	NW	1	b	#	b	#	#	#	-
	Bodö ...	29.45	24	NW	7	o		29.74		26	23		NW	6	c	4	o	#	32	19	-
	Christiansund ...	29.91	34	NW	4	s		30.23	+ .74	29	27	- 6	NW	6	s	6	s	#	35	27	0.16
	Skudesnaes ...	30.18	36	NNW	6	c		30.33	+ .49	36	33	- 8	NNW	4	o	3	c	#	45	32	#
	Færder (Christiania Fjord)	29.96	34	NW	5	b		30.19	+ .61	33	28	- 11	WNW	5	b	3	b	#	46	32	-
	Skagen (The Scaw)	30.02	39	N	4	b		30.22	+ .44	36	31	- 9	N	4	b	1	b	#	46	36	-
BRITISH ISLANDS.	Fanø ...	30.23	42	W	4	c		30.34	+ .27	41	39	- 4	W	3	o	#	c	#	45	41	-
	Sumburgh Head	30.18	34	N	2	c		30.25	+ .36	38	38	- 3	ESE	3	r	5	a.c	#	42	31	0.04
	Stornoway ...	30.15	49	W	3	o		30.26	+ .23	47	46	+ 3	SW	3	q	3	f.d.o	0.0	49	42	0.10
	Wick ...	30.17	44	2	o	o.d		30.31	+ .29	47	46	+ 4	W	3	o	2	o.d	#	47	40	0.05
	Nairn ...	30.21	50	WSW	2	c		30.35	+ .34	48	46	- 4	W	2	o	1	c	#	54	45	0.08
	Aberdeen ...	30.23	44	SE	1	og		30.38	+ .31	42	40	- 3	SSW	1	ogm	1	r.og	0.0	46	38	0.06
	Leith ...	30.27	48	W	3	o		30.43	+ .27	46	42	- 3	WSW	3	o	#	o	#	51	44	-
	Shields ...	30.31	48	WSW	3	b		30.49	+ .27	46	44	- 2	WSW	2	o	2	c.b	#	54	44	-
	Spurn Head ...	30.37	43	WSW	3	b		30.52	+ .21	43	41	o	WSW	3	o	3	b	#	48	41	-
	York ...	30.37	46	W	1	b		30.54	+ .23	42	40	- 3	SW	1	o	#	b.f	2.0	52	38	-
GERMANY & HOLLAND.	Loughborough ...	30.43	46	SSW	3	o		30.58	+ .21	41	38	- 4	WSW	2	ogm	#	om.ogm	#	47	40	-
	Ardrossan ...	30.32	49	SW	3	o		30.43	+ .22	47	47	- 2	SSW	3	o	2	o	#	51	45	-
	Malin Head ...	30.30	48	SSW	3	om		30.37	+ .16	44	43	- 5	SSW	3	om	2	b.om	#	49	43	-
	Belmullet ...	30.30	49	S	2	o		30.36	+ .04	50	47	o	SW	3	o	#	o	#	51	43	-
	Donaghadee ...	30.37	47	WSW	3	c		30.46	+ .17	45	43	- 1	SW	3	c	1	c	#	52	43	-
	Liverpool (Bidston)	30.43	46	WSW	1	o		30.53	+ .19	44	41	- 3	SSW	1	o	1	o	#	50	42	-
	Holyhead ...	30.42	48	SW	2	ogm		30.51	+ .15	47	44	- 1	S	2	om	1	o.gm	#	50	44	-
	Parsonstown ...	30.37	47	SE	1	o		30.46	+ .11	40	39	- 6	SE	1	b	#	o	0.0	49	37	-
	Valencia ...	30.34	49	SE	2	c		30.41	+ .09	51	50	+ 2	SSE	3	om	3	c	#	51	47	-
	Roche's Point ...	30.38	50	S	4	o		30.47	+ .09	50	49	o	S	4	om	4	o	#	51	48	-
FRANCE & BELGIUM.	Pembroke (St. Ann's Hd.)	30.44	46	SSE	2	o		30.55	+ .16	48	45	+ 1	SW	3	og	3	o	0.0	48	45	-
	Seilly ...	30.41	47	S	1	om		30.51	+ .16	48	45	+ 2	SE	3	o	2	om	0.0	49	44	-
	Prawle Point ...	30.48	44	S	2	c		30.60	+ .16	40	39	- 4	ESE	2	o	1	c.o	#	45	40	-
	Jersey (St. Aubin's)	30.51	39	ESE	3	om		30.60	+ .14	41	40	- 1	E	3	om	3	om	#	42	38	-
	Hurst Castle ...	30.50	45	SW	1	og		30.60	+ .15	43	40	- 2	ESE	1	om	1	og	#	46	43	-
	Dungeness ...	30.48	45	W	1	c		30.61	+ .19	41	38	- 4	WNW	1	o	1	c	#	47	40	-
	North Foreland	30.54	44	SW	2	o		30.66	+ .23	40	38	- 2	SW	2	o	1	o	#	46	38	-
	London (Brixton) ...	30.50	44	NW	1	og		30.62	+ .18	41	38	- 2	NW	1	og	#	og	0.0	46	40	-
	Oxford ...	30.51	43	WSW	1	o		30.62	+ .17	41	38	- 2	SSW	2	og	#	og	#	45	41	-
	Cambridge ...	30.46	44	SW	3	o		30.61	+ .21	41	39	- 2	SW	2	om	#	o	0.0	48	40	-
PENIN- SULA.	Yarmouth ...	30.38	44	WSW	3	b		30.55	+ .21	42	40	- 2	WSW	2	bcm	2	b	#	49	37	-
	Cuxhaven ...	30.29	41	SW	4	o		30.37	+ .17	42	42	o	NW	1	o	#	o	#	45	39	-
	Berlin ...	30.25	42	W	4	o		30.30	.00	44	43	+ 6	WNW	4	c	#	o	#	45	38	-
	Wiesbaden ...	#	#	#	#	#		30.57	+ .08	42	40	+ 6	SW	1	o	#	#	#	43	41	-
	Munich ...	30.53	34	W	3	o		30.60	+ .12	34	33	+ 2	W	4	o	#	o	#	36	32	-
	The Helder ...	30.37	46	WSW	2	o		30.51	+ .21	45	44	o	W	2	m	2	o	#	46	45	-
	Brussels ...	#	#	#	#	#		30.63	+ .18	39	38	o	SW	1	m	#	o	#	42	38	-
	Cape Gris Nez ...	30.43	46	W	1	o		30.54	+ .16	44	40	+ 1	NW	1	o	1	o	#	46	39	-
	Paris ...	30.52	38	NE	2	b		30.63	+ .16	31	31	- 7	ENE	1	m	#	b	#	42	26	-
	Brest ...	30.49	40	ENE	1	m		30.59	+ .28	39	38	+ 2	ENE	2	o	2	m	#	43	32	-
GERMANY & HOLLAND.	Lorient ...	30.45	38	E	2	m		30.59	+ .16	37	37	- 2	ENE	2	m	2	m	#	43	36	-
	Rochefort ...	30.43	44	ENE	3	b		30.54	+ .12	36	35	- 1	E	3	m	#	c.b	#	50	34	-
	Belfort ...	30.49	39	WNW	2	m		30.58	+ .10	36	34	+ 4	E	2	m	#	m	#	41	32	-
	Lyons ...	30.53	37	NNW	1	f		30.62	+ .12	35	35	o	NNW	1	f	#	m.f	#	46	35	-
	Nice ...	30.49	46	2	o	c		30.57	+ .06	40	37	- 4	E	1	b	1	c	#	52	37	-
	Perpignan ...	30.43	48	E	1	b		30.52	+ .10	45	43	+ 9	WSW	1	r	#	b	#	56	36	-
	Biarritz ...	30.36	35	SSW	4	m		30.45	+ .12	42	37	+ 10	SSE	3	b	2	f.om	#	42	32	-
	Corunna ...	#	#	#	#	#		#	#	#	#	#	#	#	#	#	#	#	#	#	#
	Lisbon ...	30.43	54	NE	3	o		30.50	+ .13	50	50	+ 3	NNE	3	o	#	o	#	59	47	-
	Azores (P. Delgada)	30.14	60	SSW	4	c		30.19	+ .31	60	59	o	S	5	b	5	c	#	63	59	-

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport. 5.7 hrs;

WEATHER CHARTS

FOR FRIDAY, 28th JANUARY, 1898

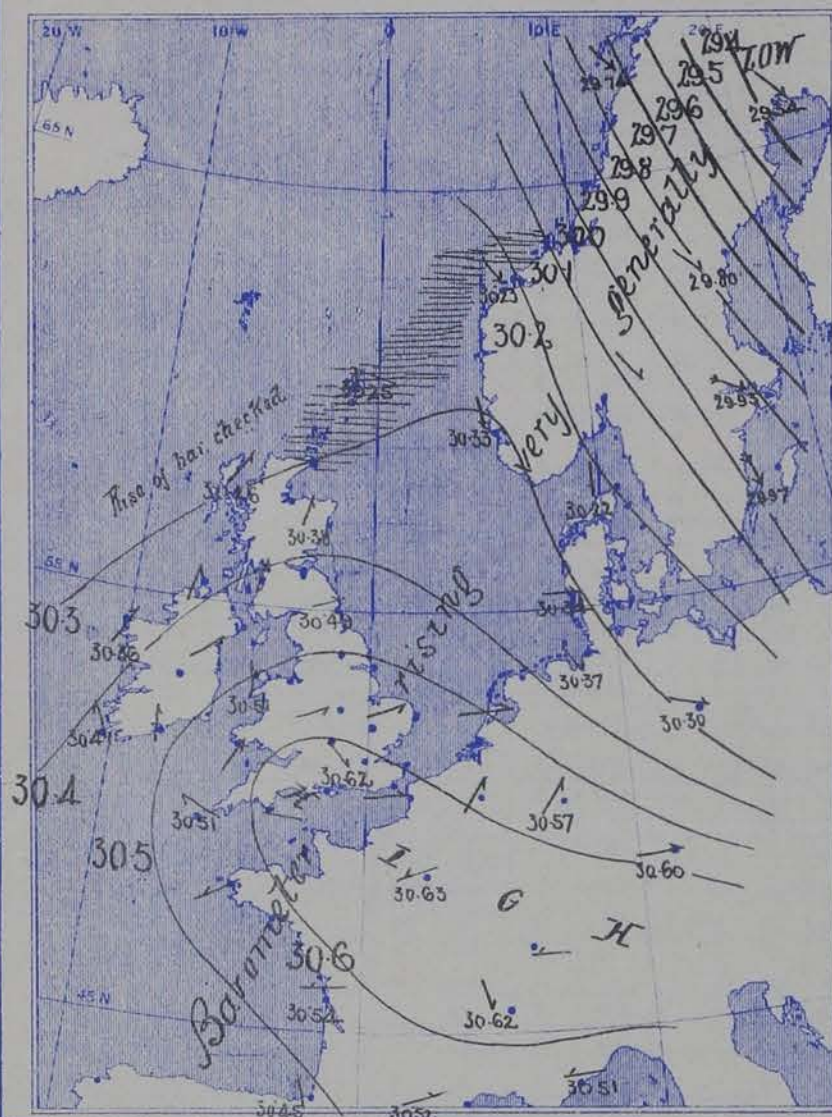
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 → : Force 5 to 7 → : } Calm ○
Force 8 to 10 → : Force 1 to 4 → :

SEA—Rough ≡ : High ≡

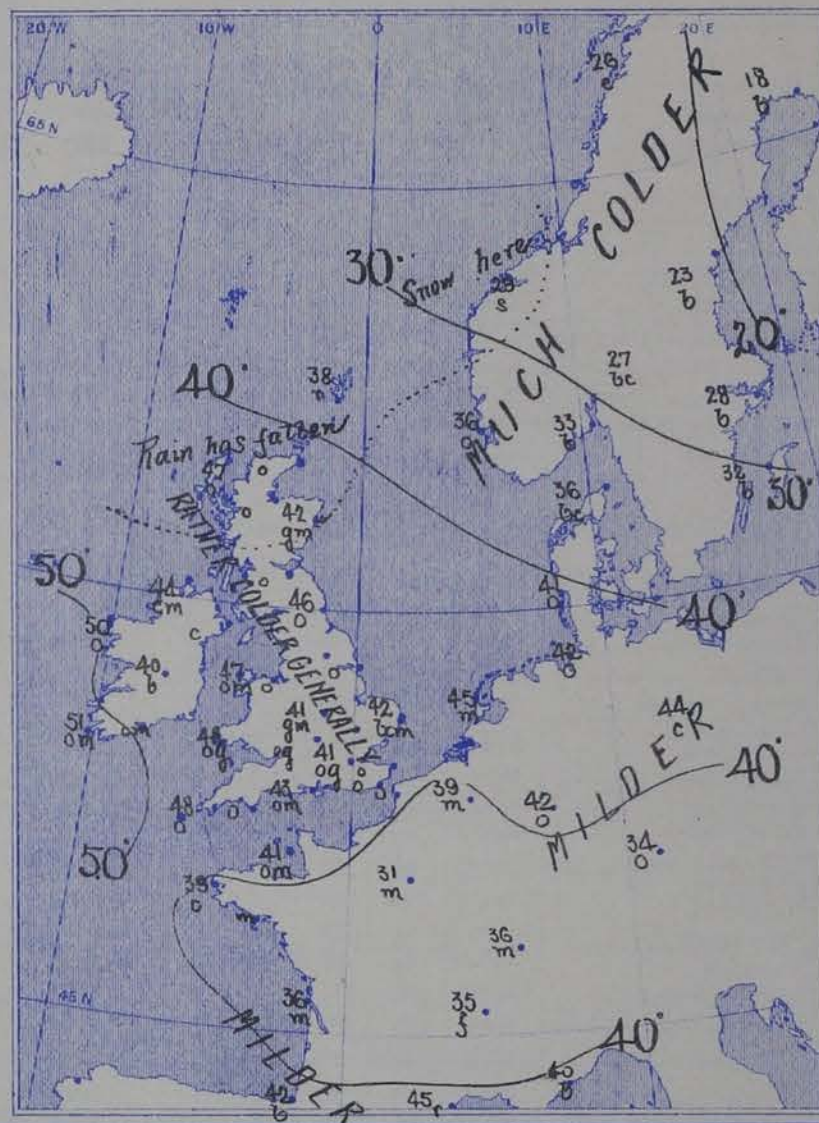


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.						RAINFALL.		BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.		Means, 1866—95.	Hours	Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum	Years.	Per cent. of possible.	
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	4	1881	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54	1884, 88	13	1881	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57	1888, 94	2	1881	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—
Behmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	—	—
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56	1883, 95	17	1881	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	19.3	8+
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.6 ins. and upwards over the central and S.E. parts of England, Belgium and the E. and central parts of France; 30.3 ins. and upwards in an anticyclone lying over W. Europe generally. Lowest 29.4 ins. and less in a depression passing away to the eastward of Lapland. Gradients slight generally, but rather steep over the northern parts of Scandinavia. Barometer rising generally, but very slightly on our extreme northwest coasts.

TEMPERATURE

Highest 51° at Valencia (Ireland), 50° at Belmullet and Roche's Pt., and 48° at Nain, Pembrokeshire. Lowest (1) 18° at Haparanda, 23° at Hernösand, and 26° at Bodö; (2) 31° at Paris, and 34° at Munich. Lowest in our Islands 38° at Sumburgh H. During yesterday the thermometer rose to 50° and upwards at several of our W. and N. stations, and to 54° at Nain and Shields. At Jersey the maximum reading was only 42°.

WIND

Light from between S. and W. over the greater part of our Islands, but E. at the English Channel stations and also over France. NW. over Scandinavia, Denmark and N. Germany, with a gale in the south of Sweden.

WEATHER

Dull over W. Europe as a whole, with mist in several places. Fine at some of the southern French stations, but rainy at Perpignan; fine also over the greater part of Scandinavia, but snow reported at Christiansund. A little rain fell yesterday in the north of Scotland, but in other parts of western Europe the weather remained very dry.

SEA

Slight or smooth generally, but rough at Christiansund, and rather rough at Sumburgh H.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any important change in the weather, but it is not unlikely that a new depression will shortly appear to the northward of our islands.

FORECASTS

For the 24 hours ending at NOON on 29TH JANUARY 1898

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW. winds freshening; dull, some rain.
1	SCOTLAND EAST	SW. winds light, fair generally, but cloudy and misty in places.
2	ENGLAND N.E.	
3	ENGLAND EAST	Light breezes, chiefly SW. Cloudy, with mist or fog in places.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	



DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	S. winds light or moderate; dull, misty.
7	ENGLAND N.W.	
8	ENGLAND S.W.	SE. winds, light, dull, misty.
9	IRELAND NORTH	S. winds moderate, dull, slight rain locally.
10	IRELAND SOUTH	

WARNINGS

None issued.

Note.—The South Cone, point downwards (), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone. The North Cone, point upwards (), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.99	39	37	NNW	6	c	5	Valencia ...	30.22	51	47	SE	4	c	4
Sumburgh Head ...	30.08	37	35	N	3	c	5	Scilly ...	30.39	48	45	SSE	2	o	3
Stornoway ...	30.09	46	46	Z	0	f	0	Jersey ...	30.49	39	37	E	3	om	3
Aberdeen ...	30.16	45	45	SE	1	og	1	Hurst Castle ...	30.48	46	43	Z	0	o	1
Shields ...	30.26	53	50	WSW	4	c	2	Dungeness ...	30.46	47	42	W	2	c	1
Ardrossan ...	30.27	50	50	SW	3	o	3	North Foreland ...	30.47	45	42	SW	2	o	1
Malin Head ...	30.22	49	49	SSW	2	b	2	London (Westminster) ...	30.47	48	43	NW	2	og	#
Belmullet ...	30.29	50	46	SSW	2	o	#	Yarmouth ...	30.35	49	45	WSW	2	b	2
Holyhead ...	30.39	49	46	SW	2	o	1	Rochefort ...	30.43	43	42	E	3	c	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning dull over the greater part of our Islands and the Continent, with fog or mist at several of the French and S. German stations, rain at Wick and S² Petersburg and snow at Christiansund, Archangel and Moscow. Fine at some stations in the N. and E. of England, and also in the N. of Sweden, Austria, the S. of Italy and the N. of Spain. A little rain falling later in the N. of Scotland generally; no important change occurring elsewhere.

Temperature scarcely changed over W^m Europe, - fallen in Norway, S. Germany, Austria and Italy, risen rapidly over N^m and central Russia. Morning readings highest (1) 53° at Malta, 52° at Algiers, and 51° at Barcelona and La Calle; (2) 52° at Nairn, and 50° at Belmullet and Roches Point; above 45° in the west and north of our Islands generally. Lowest - 6° F. at Hermanstadt, - 5° at Kharkov, 0° zero at Kiev, and + 3° at Odessa; below the freezing point over S. Germany and some parts of central France. Rising during day to 50° and upwards at several of our own W^m and N^m stations, but remaining below 45° in the Channel Islands and many parts of France.

Wind light to moderate from between S. and W. over our Islands; fresh to strong from the Wnd or SWnd over northern and central Europe, with a gale at Christiansund. Light from the End or NEnd over France and the Spanish peninsula and from the Nnd in Italy; calm or variable in Austria. Subsequently veering to the NWnd on the eastern shores of the North Sea; no important change occurring elsewhere.

Barometer highest 30.7 ins. and upwards over eastern Austria, 30.4 ins. and upwards in an anticyclone covering nearly all the more central and southern parts of the Continent and extending over the south of England. Lowest 28.5 ins. and less in a deep depression over Lapland; gradients steep over N^m Europe generally. Depression subsequently moving eastwards, and barometer rising briskly in Scandinavia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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„ Weekly „ „ „ „

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DAILY WEATHER REPORT

for 8 a.m. on *Saturday* 29th January, 1898.

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.		Rainfall.	
				At 33° and M.S.L.	Dry Bulb.		Direc.	Force (0 to 12.)	At 33° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.					Direc.	Force (0 to 12.)		Max.
SCANDINAVIA.	Haparanda ...	Ins.	°	NW	2	0	29.89	+ .55	4	3	- 14	2	0	b	#	0	#	27	4	0.08	
	Hernösand ...	30.15	23	NW	4	0	29.94	+ .14	23	23	0	3	2	b	#	0	#	28	21	0.04	
	Stockholm ...	30.24	25	NW	4	0	30.13	+ .21	26	24	- 2	SSW	2	0	#	0	#	32	25	-	
	Wisby ...	30.30	30	N	10	0	30.25	+ .28	31	26	- 1	S	4	0	#	0	#	32	27	-	
	Karlstad ...	30.36	26	NW	2	0	30.06	- .07	33	33	+ 6	SW	2	7	#	0	#	#	#	0.04	
	Bodo ...	30.03	27	NW	4	0	29.58	- .16	26	25	0	ESE	6	5	2	0	#	28	23	-	
	Christiansund ...	30.19	32	SE	4	0	29.76	- .47	46	45	+ 7	WSW	8	7	6	0	#	46	27	0.20	
	Skudesnaes ...	30.41	36	SE	4	0	30.19	- .14	44	41	+ 8	SW	2	0	3	0.7	#	44	32	#	
	Færder (Christiania Fjord)	30.37	33	SW	1	0	30.09	- .10	40	39	+ 7	SW	4	0	2	0	#	40	32	-	
	Skagen (The Scaw)	30.43	37	Z	0	0	30.23	+ .01	42	41	+ 6	WNW	3	0	0	0	#	43	32	-	
BRITISH ISLANDS.	Fanø ...	30.49	43	W	2	0	30.43	+ .09	42	41	+ 1	WSW	4	0	#	0	#	42	41	0.04	
	Sumburgh Head	30.20	45	W	3	0	29.94	- .31	49	48	+ 11	WSW	4	0	5	0.0	#	50	38	0.07	
	Stornoway ...	30.22	49	SW	4	0	29.97	- .29	49	48	+ 2	SW	5	0	5	0	0.0	49	44	0.03	
	Wick ...	30.26	46	WSW	2	0	30.03	- .28	48	46	+ 1	W	4	0	2	0	#	49	44	-	
	Nairn ...	30.32	48	W	3	0	30.09	- .26	50	47	+ 2	WSW	6	0	3	0	#	51	43	-	
	Aberdeen ...	30.37	45	SW	2	0	30.20	- .18	46	44	+ 4	SSW	5	0	3	0.0	#	48	41	-	
	Leith ...	30.42	46	W	2	0	30.29	- .14	49	45	+ 3	WSW	5	0	#	0	#	51	45	-	
	Shields ...	30.51	48	WSW	2	0	30.41	- .08	46	44	0	SW	4	0	2	0.0	#	50	38	-	
	Spurn Head ...	30.59	42	SW	3	0	30.53	+ .01	39	37	- 4	SW	3	0	3	0	#	43	38	-	
	York ...	30.54	45	SW	1	0	30.53	- .01	43	41	+ 1	SSW	3	0	#	0	0.0	45	41	-	
GERMANY & HOLLAND.	Loughborough ...	30.62	42	SW	2	0	30.62	+ .04	35	34	- 6	WSW	3	0	#	0.0	#	43	35	-	
	Ardrossan ...	30.43	48	SSE	3	0	30.29	- .14	48	48	+ 1	S	5	0	4	0.0	#	50	46	-	
	Malin Head ...	30.34	47	SSW	5	0	30.15	- .22	49	48	+ 5	SSW	6	0	3	0.0	#	49	44	-	
	Belmullet ...	30.36	52	SW	4	0	30.20	- .16	51	50	+ 1	SSW	8	0	#	0	#	52	48	0.01	
	Donaghadee ...	30.48	48	S	3	0	30.36	- .10	48	46	+ 3	SW	5	0	3	0	#	52	44	-	
	Liverpool (Bidston)	30.57	45	S	2	0	30.55	+ .02	42	39	- 2	S	3	0	2	0.0	#	46	40	-	
	Holyhead ...	30.54	48	SSW	3	0	30.50	- .01	47	44	0	S	5	0	4	0.0	#	48	44	-	
	Parsonstown ...	30.47	48	SE	1	0	30.39	- .07	50	48	+ 10	SE	1	0	#	0	0.5	51	49	-	
	Valencia ...	30.44	51	SSE	4	0	30.38	- .03	53	52	+ 2	S	6	0	5	0.0	#	53	50	0.03	
	Roche's Point ...	30.52	50	SSW	5	0	30.46	- .01	50	50	0	SSW	6	0	4	0	#	51	49	-	
FRANCE & BELGIUM.	Pembroke (St. Ann's Hd.)	30.59	48	SW	5	0	30.55	.00	48	46	0	SW	5	0	4	0	0.0	48	45	-	
	Scilly ...	30.56	46	SE	2	0	30.56	+ .05	51	48	+ 3	SSW	4	0	2	0	0.0	51	44	-	
	Prawle Point ...	30.65	42	ESE	2	0	30.65	+ .05	45	43	+ 5	SW	3	0	2	0	#	45	40	-	
	Jersey (St. Aubin's)	30.67	40	ESE	2	0	30.73	+ .13	41	40	0	W	1	0	1	0.0	#	42	39	-	
	Hurst Castle ...	30.66	41	SE	2	0	30.68	+ .08	43	41	0	WSW	2	0	1	0.0	#	44	40	-	
	Dungeness ...	30.65	43	SW	1	0	30.68	+ .07	41	39	0	WSW	3	0	2	0	#	45	41	-	
	North Foreland	30.68	41	SW	1	0	30.69	+ .08	41	39	+ 1	SSW	2	0	1	0	#	42	39	-	
	London (Brixton) ...	30.66	42	S	1	0	30.67	+ .05	39	37	- 2	WSW	2	0	#	0.0	#	44	39	-	
	Oxford ...	30.68	41	SW	1	0	30.67	+ .06	38	36	- 3	S	2	0	#	0	#	42	35	-	
	Cambridge ...	30.66	41	SW	2	0	30.66	+ .05	30	30	- 11	SW	1	0	#	0	0.0	43	28	-	
PENINSULA.	Yarmouth ...	30.59	41	WSW	1	0	30.61	+ .06	35	33	- 7	WSW	2	0	2	0.0	#	43	33	-	
	Cuxhaven ...	30.50	43	W	2	0	30.52	+ .15	41	41	- 1	WSW	3	0	#	0.0	#	45	41	0.08	
	Berlin ...	30.49	39	WNW	3	0	30.55	+ .25	45	42	+ 1	WNW	4	0	#	0	#	45	39	0.04	
	Wiesbaden ...	#	#	#	#	#	30.71	+ .14	42	40	0	N	2	0	#	0	#	46	41	-	
	Munich ...	30.66	37	W	3	0	30.71	+ .11	35	34	+ 1	Z	0	0	#	0	#	41	34	-	
	The Helder ...	30.61	44	W	1	0	30.60	+ .09	43	41	- 2	WSW	3	0	2	0	#	46	41	-	
	Brussels ...	#	#	#	#	#	30.73	+ .10	37	35	- 2	W	1	0	#	0	#	44	34	-	
	Cape Gris Nez ...	30.56	43	SW	1	0	30.60	+ .06	42	37	- 2	S	2	0	#	0	#	46	32	-	
	Paris ...	30.67	36	NE	2	0	30.73	+ .10	24	24	- 7	SE	2	0	#	0	#	47	23	-	
	Brest ...	30.64	43	SE	2	0	30.66	+ .07	45	42	+ 6	SSE	3	0	3	0	#	45	39	-	
PENINSULA.	Lorient ...	30.66	37	E	2	0	30.71	+ .12	37	37	0	E	1	0	2	0	#	43	36	-	
	Rochefort ...	30.61	39	E	3	0	30.66	+ .12	33	32	- 3	E	3	0	#	0	#	41	32	-	
	Belfort ...	30.63	39	NE	4	0	30.71	+ .13	30	30	- 6	NE	1	0	#	0	#	42	30	-	
	Lyons ...	30.68	36	ESE	1	0	30.73	+ .11	34	33	- 1	WNW	1	0	#	0	#	37	33	-	
	Nice ...	30.55	46	Z	0	0	30.64	+ .13	41	39	+ 1	E	1	0	#	0	#	54	39	-	
	Perpignan ...	30.57	46	SW	1	0	30.67	+ .15	40	39	- 5	WSW	1	0	#	0	#	54	36	-	
	Biarritz ...	30.50	46	NE	1	0	30.59	+ .14	39	37	- 3	S	2	0	1	0	#	34	37	-	
	Corunna ...	#	#	#	#	#	30.69	- .01	48	46	- 2	NNE	4	0	#	0	#	59	48	-	
	Lisbon ...	30.53	55	NNE	2	0	30.49	- .01	48	46	- 2	NNE	4	0	#	0	#	59	48	-	
	Azores (P. Delgada)	30.37	62	SW	4	0	30.42	+ .23	61	59	+ 1	SSW	4	0	4	0	#	64	59	-	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport 0.0 hrs;

WEATHER CHARTS

FOR SATURDAY, 29th JANUARY, 1898

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ ; Force 5 to 7 →→→ ; } Calm ○
Force 8 to 10 →→→ ; Force 1 to 4 →→→ ; }

SEA—Rough ≡≡≡ ; High ≡≡≡



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871-95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL Means, 1866-95.	BRIGHT SUNSHINE. Means, 1881-95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	— 4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	5.48	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	—	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Seilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3*	8*
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.7 ins. and upwards over S. Germany, the central and northern parts of France and the eastern parts of the English Channel.
Lowest 29.6 ins. and less in a large depression approaching the N.W. parts of the Norwegian coasts.
Gradients moderate to rather steep over the W. and N. of our islands, the North Sea and Scandinavia, but
Barometer falling briskly in the N. of our islands and the W. of Norway, rising a little in the slight elevations of our coasts.

TEMPERATURE

Highest 53 at Valencia (Ireland), 51° at Belmullet and Saily, and 50° at Kaim, Parsonstown & Roches Pt.
Lowest (1) 41° at Haparanda, 23° at Hernösand, and 26° at Bodö and Stockholm, (2) 24° at Paris, and 30° at Belfast; (3) 30° at Cambridge, and 35° at Loughborough.
During yesterday the thermometer again rose to 50° or slightly above it at several of our W. and N. stations. Over the E., central and S. parts of England, however, the maximum readings were mostly below 45°.

WIND

S. or SW. over our islands, the North Sea and the greater part of Scandinavia; fresh or strong in force in Ireland, Scotland and the west of Norway, with a gale at Belmullet & also at Christiansund.
Light to moderate from the W. over Denmark, Germany and the Netherlands; E. over the greater part of France.

WEATHER

Cloudy or dull over W. Europe as a whole, with mist in several places, rain at Valencia (Ireland), and also at Christiansund and Karlstad, and snow at Bodö and Hernösand.
Fine and bright in the east of England and also at Nice.
A little rain has fallen in the W. of Ireland and the N. of Scotland, as well as at several of the Scandinavian, Danish and German stations. In other parts of our area the weather has remained very dry.

SEA

Rough at Christiansund, and rather rough off the N. of Scotland, as well as at Valencia (Ireland); moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depressions which are now appearing to the N.W. of our islands seem likely to occasion gales from the SW. or W. on many parts of our northern coasts. Over the southern parts of the Kingdom no material change in the weather is anticipated just at present.

FORECASTS

For the 24 hours ending at NOON on 30TH JANUARY 1898

DISTRICTS.

FORECASTS.

- 1 SCOTLAND NORTH
- 2 SCOTLAND EAST
- 3 ENGLAND N.E.
- 4 ENGLAND EAST
- 5 MIDLAND COUNTIES
- 6 ENGLAND SOUTH

SW. to W. winds, increasing to a gale, squally, some rain.

SW. to W. winds freshening; fair generally.

SW. winds, light or moderate, fair generally, milder.

DISTRICTS.

FORECASTS.

- 7 SCOTLAND WEST
- 8 ENGLAND N.W.
- 9 ENGLAND S.W.
- 10 IRELAND NORTH
- 11 IRELAND SOUTH

S. to SW. or W. strong winds and gales, squally, some rain.

S. to SW. winds, strong, squally, some showers.

S. winds, freshening; fair generally.

Same as No. 6.

Same as No. 7.

At 10 am. today to districts 0, 1, 6 and part of 9. Hoist South Cone.

WARNINGS

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes	30.41	37	35	Z	0	0	2	Valencia	30.43	52	50	SSE	4	og	4
Sumburgh Head	30.20	47	45	W	4	c	4	Scilly	30.55	48	45	SE	2	0	1
Stornoway	30.25	47	46	SW	4	0	4	Jersey	30.64	42	41	ENE	2	om	2
Aberdeen	30.37	47	42	WSW	2	0	1	Hurst Castle	30.63	43	40	ESE	2	om	1
Shields	30.49	48	45	WSW	3	0	2	Dungeness	30.64	45	41	W	1	0	0
Ardrossan	30.43	48	48	SSW	4	0	3	North Foreland	30.66	42	39	W	2	0	1
Malin Head	30.35	49	47	SSW	3	c	2	London (Westminster)	30.64	46	41	WSW	1	og	#
Belmullet	30.42	51	49	SSW	4	0	#	Yarmouth	30.59	43	40	W	2	c	2
Holyhead	30.54	48	46	S	3	omp	2	Rochefort	30.60	40	39	E	2	w	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning dull over the greater part of our islands and the Continent, with mist at several of our own and the French stations and rain at Breslau, Prague and Vienna, as well as at Perpignan; snow reported at Christiansund and St. Petersburg. Fine, however, in most parts of Scandinavia and N. Russia, as well as at several of the Spanish and S. French stations. A little rain falling later in the extreme W. and N. of our islands as well as in many parts of Scandinavia, Denmark and Germany.

Temperature fallen in the W. and N. countries, but risen elsewhere, — very quickly in Austria and the S. of Russia. Morning readings highest (1) 55° at Algiers, 53° at Tangiers, and 51° at Malta; (2) 51° at Valencia (Ireland) and 50° at Belmullet and Roches Pt., above 45° in the W. and N. of our islands generally. Lowest (1) 9° at Hermanstadt, and 19° at Nicolaieff and Odessa; (2) 15° at Archangel, 17° at Uleaborg, and 18° at Haparanda. Rising during day to 50° or slightly above it at several of our own W. and N. stations, but remaining below 45° over the E. central and S. parts of England. Exceeding 50° in the S. of France, and reaching 59° at Lisbon.

Wind light from the E. over France and the Channel Islands, and from between S. and W. over the greater part of the United Kingdom, NW. over Scandinavia, Denmark, the Baltic and the northern and central parts of Russia, with a gale in Finland and the S. of Sweden, W. over Germany and Austria, SW. in the south of Russia. Light and variable over Italy and the Mediterranean. Subsequently freshening a little from the S. at some of the Irish stations, no important change occurring elsewhere.

Barometer highest 30.6 in. and upwards over the SE. parts of England, Belgium and the E. and central parts of France; 30.2 in. and upwards in an anticyclone covering the whole of W. central and S. Europe. Lowest 28.7 in. and less in a depression passing E. across the N. of Russia. New disturbance beginning to appear later far to the N. of our islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE I.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 3 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 30th January, 1898.
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.		TEMP.		WIND.		BAROMETER.		TEMPERATURE.			WIND.			Sea (0 to 9.)		Hours of Bright Sun- shine.	TEMP.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)			Weather	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.					Force (0 to 12.)	Weather.	
Ins.		°					Ins.	Ins.	°	°	°							°	°	Ins.	
SCANDINAVIA.	Haparanda ...	29.52	13	SE	4	S	29.08	-0.81	17	16	+ 13	SE	4	0	#	S	#	18	-4	0.08	
	Hernösand ...	29.45	33	2	0	0	28.90	-1.04	38	37	+ 15	SW	2	0	#	0	#	38	19	0.24	
	Stockholm ...	29.64	39	SW	2	0	29.25	-0.88	43	42	+ 17	W	8	0	#	0	#	43	23	0.04	
	Wisby ...	29.83	40	S	4	0	29.43	-0.82	41	39	+ 10	WSW	8	0	#	0	#	41	27	0.04	
	Karlstad ...	29.74	44	SW	4	0	29.32	-0.74	45	42	+ 12	SW	2	0	#	0	#	4	4	-	
	Bodö ...	29.03	33	ESE	6	T	28.85	-0.73	36	35	+ 10	E	4	T	0	T	#	36	25	-	
	Christiansund ...	29.42	47	WSW	9	T	29.10	-0.66	46	45	+ 0	WSW	9	T	6	T	#	48	45	0.79	
	Skudesnaes ...	29.88	45	WSW	6	m	29.74	-0.45	47	45	+ 3	W	8	0	5	m	#	47	34	#	
	Færder (Christiania Fjord)	29.80	42	W	5	0	29.37	-0.72	44	42	+ 4	WSW	6	bc	4	0	#	44	40	-	
	Skagen (The Seaw)	29.97	44	W	6	0	29.54	-0.69	46	45	+ 4	W	7	m	2	0	#	46	41	0.08	
BRITISH ISLANDS.	Fanö ...	30.22	41	W	6	0	29.91	-0.52	46	45	+ 4	WSW	6	0	#	0	#	46	41	0.04	
	Sumburgh Head	29.61	49	WSW	6	T	29.49	-0.45	48	45	- 1	WSW	7	0	6	T	#	50	45	0.26	
	Stornoway ...	29.70	51	SW	6	T	29.77	-0.20	48	47	- 1	WSW	4	T	4	T	0.0	51	44	0.15	
	Wick ...	29.73	49	WNW	5	c	29.69	-0.34	48	46	- 0	NW	7	c	4	c	#	58	44	0.02	
	Nairn ...	29.78	53	SW	5	0	29.80	-0.29	49	46	- 1	S	1	c	1	0	#	57	46	0.01	
	Aberdeen ...	29.92	52	SW	7	cgy	29.80	-0.40	46	43	0	S	1	bc	1	cgy	0.2	54	46	-	
	Leith ...	29.99	52	WSW	5	T	29.88	-0.41	51	48	+ 2	WSW	5	bc	#	T	#	55	43	-	
	Shields ...	30.20	50	SW	4	c	30.00	-0.41	54	52	+ 8	WSW	4	c	2	c.p	#	56	45	-	
	Spurn Head ...	30.37	44	SSW	4	b	30.13	-0.40	50	49	+ 11	WSW	5	0	4	b.p	#	50	39	-	
	York ...	30.30	47	SSW	3	0	30.12	-0.41	51	50	+ 8	SSW	2	0	#	1.0	51	41	0.01		
GERMANY & HOLLAND.	Loughborough ...	30.47	45	SW	3	c	30.27	-0.35	52	50	+ 17	WSW	3	0.2p	#	0.c.0p9	#	52	35	0.02	
	Ardrossan ...	30.08	50	SSW	6	rm	29.96	-0.33	49	49	+ 1	SSW	4	rm	3	rm,rm	#	50	46	0.12	
	Malin Head ...	30.00	50	SSW	6	cp	29.92	-0.23	50	50	+ 1	SSW	4	T	3	c	#	55	49	0.17	
	Belmullet ...	30.16	52	WSW	5	op	30.00	-0.20	53	52	+ 2	WSW	6	om	#	op	#	53	50	0.46	
	Donaghadee ...	30.18	52	SSW	5	T	30.06	-0.30	52	51	+ 4	SW	5	T	3	T	#	52	46	0.12	
	Liverpool (Bidston)	30.37	51	SW	4	0	30.16	-0.39	52	49	+ 10	SW	4	0	4	c.op	#	54	42	0.13	
	Holyhead ...	30.34	50	SW	8	T	30.17	-0.33	50	50	+ 3	SW	7	rgm	6	dpq,T	#	51	44	0.68	
	Parsonstown ...	30.25	54	SE	1	T	30.19	-0.20	54	53	+ 4	SW	2	or	#	0.or	0.0	55	49	0.19	
	Valencia ...	30.32	53	S	5	rgm	30.25	-0.13	55	54	+ 2	SW	6	om	6	og,rgm	0.0	55	52	0.59	
	Roche's Point ...	30.39	51	SSW	6	rm	30.29	-0.17	52	52	+ 2	SW	7	rm	5	rm	#	52	50	0.05	
FRANCE & BELGIUM.	Pembroke (St. Ann's Hd.)	30.45	51	SW	6	0	30.33	-0.22	51	50	+ 3	WSW	6	T	5	0	0.0	51	47	0.15	
	Scilly ...	30.56	52	SSW	5	0	30.48	-0.08	53	52	+ 2	SW	5	0	5	0	0.0	53	48	-	
	Prawle Point ...	30.60	48	SW	4	c	30.49	-0.16	51	50	+ 6	SW	5	0	4	0.c	#	51	44	-	
	Jersey (St. Aubin's)	30.71	44	SW	2	og	30.62	-0.11	48	46	+ 7	SW	4	0	3	om,og	#	48	39	-	
	Hurst Castle ...	30.63	47	WSW	4	0	30.47	-0.21	50	49	+ 7	SW	5	om	3	0	#	50	43	-	
	Dungeness ...	30.59	45	WSW	4	c	30.40	-0.28	48	48	+ 7	WSW	5	m2	4	c	#	48	41	-	
	North Foreland	30.61	42	SSW	3	0	30.41	-0.28	42	41	+ 1	SSW	5	0	3	c.og	#	42	39	-	
	London (Brixton) ...	30.60	44	SW	2	0	30.43	-0.24	50	49	+ 11	WSW	4	op	#	og,0	0.0	52	38	0.01	
	Oxford ...	30.55	47	SW	3	0	30.35	-0.32	51	50	+ 13	SW	5	og	#	0	#	52	37	-	
	Cambridge ...	30.53	45	SW	4	0	30.30	-0.36	51	50	+ 21	SW	5	rg	#	0	0.8	52	28	0.02	
GERMANY & HOLLAND.	Yarmouth ...	30.50	41	WSW	3	c	30.26	-0.35	50	48	+ 15	WSW	4	or	3	c	#	50	33	0.15	
	Cuxhaven ...	30.44	41	WSW	5	0	30.09	-0.43	42	42	+ 1	SW	8	T	#	0.T	#	43	39	0.08	
	Berlin ...	30.50	40	WNW	4	0	30.24	-0.31	39	36	- 6	WNW	4	0	#	0	#	45	36	-	
	Wiesbaden ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
	Munich ...	30.67	35	SW	3	b	30.63	-0.08	26	26	- 9	SE	4	f	#	b	#	45	23	-	
	The Helder ...	30.50	41	WSW	5	0	30.22	-0.38	46	45	+ 3	SW	6	0	3	0	#	46	41	0.08	
	Brussels ...	#	#	#	#	#	30.51	-0.22	36	35	- 1	SSW	5	0	#	0	#	42	32	-	
	Cape Gris Nez ...	30.54	42	W	4	0	30.40	-0.20	46	46	+ 4	W	5	T	5	0	#	46	39	-	
	Paris ...	30.73	35	SW	1	b	30.69	-0.04	32	32	+ 8	SSW	3	0	#	b	#	46	28	-	
	Brest ...	30.65	46	SSE	3	0	30.63	-0.03	50	48	+ 5	S	4	0	3	0	#	50	45	-	
FRANCE & BELGIUM.	Lorient ...	30.73	39	E	1	m	30.70	-0.01	47	46	+ 10	SW	3	0	2	#	#	47	36	-	
	Rochefort ...	30.71	34	N	3	m	30.74	+0.08	35	34	+ 2	SSE	2	m	#	m	#	39	32	-	
	Belfort ...	30.70	36	W	2	m	?	?	30	30	0	?	?	f	#	m	#	48	28	-	
	Lyons ...	30.78	34	WNW	1	b	30.80	+0.07	30	30	- 4	W	1	f	#	b	#	39	30	-	
	Nice ...	30.67	46	2	0	b	30.65	+0.01	39	37	- 2	E	1	b	1	b	#	54	39	-	
	Perpignan ...	30.71	45	2	0	b	30.72	+0.05	36	34	- 4	SW	2	b	#	b	#	54	35	-	
	Biarritz ...	30.65	42	NE	2	f	30.71	+0.12	32	31	- 7	E	3	m	1	f	#	45	30	-	
	Corunna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
	Lisbon ...	30.65	55	NNE	4	b	30.73	+0.24	47	43	- 1	NNE	5	b	#	b	#	61	46	-	
	PENIN- SULA.	Azores (P. Delgada)	30.57	61	S	3	c	30.61	+0.19	59	58	- 2	S	4	0	3	c	#	64	59	-

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport. 0.0 hrs;

WEATHER CHARTS

FOR SUNDAY, 30TH JANUARY, 1898

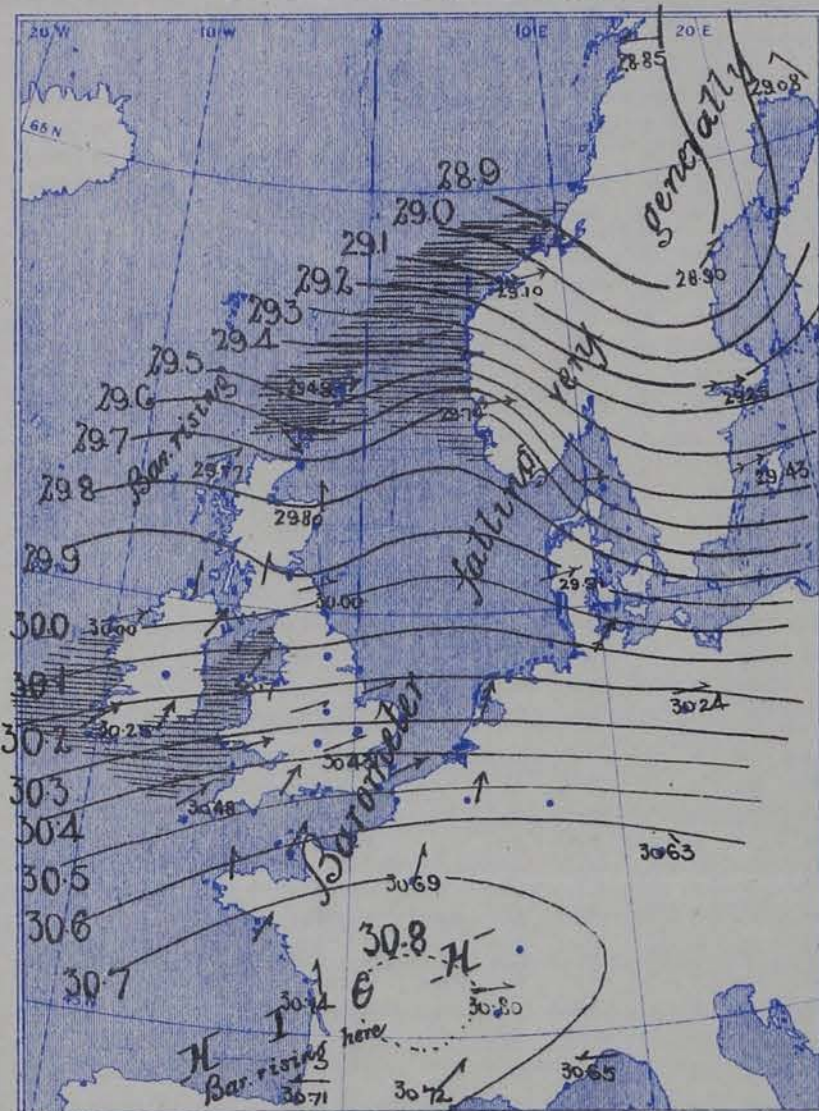
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ ; Force 5 to 7 →→→ ; } Calm ○
Force 8 to 10 →→→ ; Force 1 to 4 →→→ ; }

SEA—Rough ≡≡≡ ; High ≡≡≡

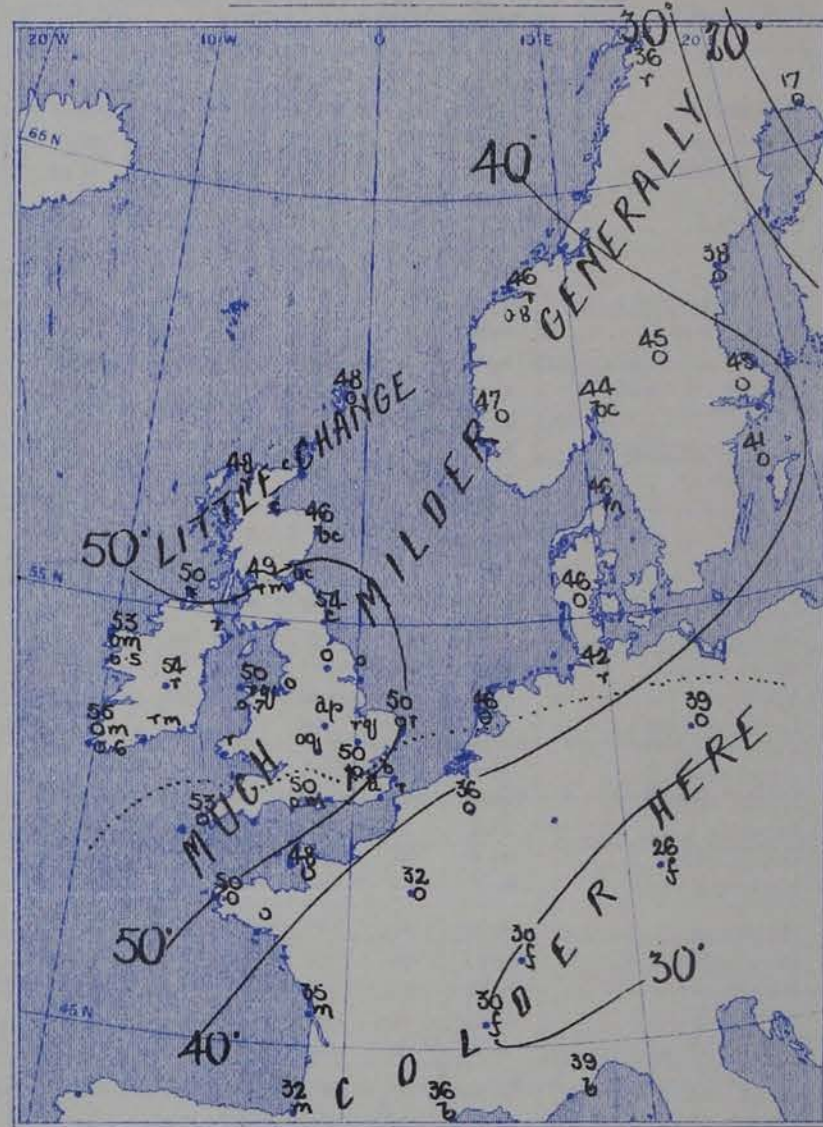


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871—95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)									(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.9	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3†	8†
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.80 ins. at Lyons; 30.7 ins. and upwards in an anticyclone lying over nearly the whole of France and the Spanish Peninsula.

Lowest 28.9 ins. and less in a depression over the northern parts of Scandinavia.

Gradients steep over Denmark, the Baltic and the Sth parts of Scandinavia, moderate over our Islands and the North Sea, slight elsewhere.

Barometer falling over NWth Europe generally, quickly in Scandinavia, but rising again in the N. of Scotland.

Highest 55° at Valencia (Ireland), 54° at Shields and Parsonstown, and 53° at Belmullet and Bally; above 50° in many parts of England and Ireland.

TEMPERATURE

Lowest (1) 17° at Haparanda, and 36° at Bodø; (2) 26° at Munich, and 30° at Belfast and Lyons; lowest in our Islands 42° at the N. Foreland.

During yesterday the thermometer rose to between 50° and 55° in most parts of the United Kingdom, to 57° at Kairi and to 58° at Wick.

Moderate to strong from the SWth over Ireland, England and the neighbouring parts of the Continent, with a moderate gale at Holyhead and Roches Point.

WIND

Strong to a gale from the Wth over the northeast of Scotland and all the more southern parts of Scandinavia; Eth or SEth in the north of Scandinavia.

Light and variable over the southern parts of France; fresh from the Nth at Lisbon.

Dull over Wth Europe as a whole, with rain in many parts of Ireland and England as well as in the west of Norway and at Cuxhaven.

WEATHER

Fine in the east of Scotland and also in the extreme south of France and at Lisbon, but foggy at Belfast, Lyons and Munich.

Since yesterday morning rain has fallen in the W. and extreme N. of our Islands generally, as well as in the E. and SE. of England.

SEA

Rough or rather so on our SW. coasts and also at Sunninghill Hth and Christiansund, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on

31ST JANUARY

1898

DISTRICTS.

- 1 SCOTLAND NORTH
- 2 SCOTLAND EAST
- 3 ENGLAND N.E.
- 4 ENGLAND EAST
- 5 MIDLAND COUNTIES
- 6 ENGLAND SOUTH

FORECASTS.

NONE ISSUED

DISTRICTS.

- 7 SCOTLAND WEST
- 8 ENGLAND N.W.
- 9 ENGLAND S.W.
- 10 IRELAND NORTH
- 11 IRELAND SOUTH

WARNINGS

FORECASTS.

NONE ISSUED

At 3.30 pm, yesterday, to districts 2, 7 and part of 9, and at 17.10 pm to districts 8 and 10. Hoist South Cone. The Signals are still flying in districts 0, 1, 6 and the remainder of 9.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.

The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes	30.08	45	44	SW	4	m	3	Valencia	30.34	53	52	S	5	og	5
Sumburgh Head	29.76	48	47	WSW	4	r	5	Scilly	30.57	53	51	SSW	4	o	3
Stornoway	29.80	51	50	SW	6	r	5	Jersey	30.71	41	40	SSW	3	o	3
Aberdeen	30.04	49	46	SW	6	cgl	4	Hurst Castle	30.65	46	43	SW	4	o	2
Shields	30.33	48	46	SW	5	c	2	Dungeness	30.66	42	39	W	3	c	2
Ardrossan	30.17	49	49	S	6	ow	5	North Foreland	30.66	40	38	SW	4	c	2
Malin Head	30.03	53	52	SSW	6	c	4	London (Westminster)	30.62	45	42	WSW	2	og	#
Belmullet	30.17	52	51	SW	7	op	#	Yarmouth	30.55	39	37	WSW	4	c	3
Holyhead	30.41	50	49	SSW	7	ogmef	5	Rocheport	30.70	35	34	E	3	m	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Weather in morning cloudy or dull over the greater part of our Islands and the Continent, with mist or fog in several places, rain at Valencia (Ireland) and also at Christiansund, and snow at Hernösand, Moscow and Lemberg. Fine and bright in the east of England as well as over Finland and the greater part of southern Europe. Rain falling later in the west and extreme north of our Islands generally, as well as at many of the Scandinavian and Danish stations.

Temperature risen in the west and north of our Islands, as well as in Norway, Denmark and Germany, but fallen elsewhere. Morning readings, highest (1) 55° at Algiers, and 52° at Brindisi and Malta; (2) 53° at Valencia (Ireland), and 51° at Belmullet and Scilly; above 45° in the west and north of our Islands generally. Lowest 4° at Haparanda, 7° at Uleaborg, 13° at Huspie, and 16° at St. Petersburg; below the freezing point over Sweden and Russia generally, as well as in central France. Rising during day to between 50° and 55° in most parts of our Islands, and to 58° at Wick; exceeding 50° also in the south of France, and reaching 61° at Lisbon.

Wind S. or SW. over our Islands, the North Sea and the greater part of Scandinavia; fresh or strong in force in Ireland, Scotland and the west of Norway, with a gale at Belmullet and Christiansund. Light to moderate from the N. or NW. over Russia, Austria and Italy; variable in the south of France, E. or NE. over the Spanish Peninsula and the Bay of Biscay. Subsequently increasing to a gale from the SW. on many parts of our north and northwest coasts; no important change occurring elsewhere.

Barometer highest 30.7 ins and upwards over the greater part of France, Switzerland and South Germany, 30.3 ins. and upwards in an anticyclone covering all the more central and southern parts of Europe and extending over England and the greater part of Ireland. Lowest 29.2 ins. and less in a depression passing away over NW. Russia; 29.6 ins. and less in a new disturbance of considerable size and depth approaching the Norwegian coasts from the westward. Latter disturbance subsequently spreading southwards, and barometer falling over NW. Europe generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on *Monday 31st January, 1898.*
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather	Hours of Bright Sun- shine.	TEMP.				
				At 32° and M.S.L.	Dry Bulb.		Dirac.	Force (0 to 12.)	At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.				Dirac.	Force (0 to 12.)	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°						°	°	Ins.		
SCANDINAVIA.	Haparanda ...	29.13	17	E	2	0	29.14	+ .06	18	18	+ 1	SW	4	s	#	0	#	19	10	0.08	
	Hernösand ...	29.10	41	Z	0	bc	29.10	+ .20	35	35	- 3	Z	0	c	#	bc	#	46	32	-	
	Stockholm ...	29.22	39	SW	4	b	29.25	- .10	34	33	- 9	SW	2	bc	#	b	#	45	34	-	
	Wisby ...	29.34	40	W	4	b	29.18	- .25	37	37	- 4	WNW	4	bc	#	b	#	43	36	-	
	Karlstad ...	29.34	42	W	2	b	29.16	- .16	35	33	- 10	NW	2	c	#	b	#	#	#	-	
	Bodö ...	28.94	40	SW	4	r	29.10	+ .25	37	34	+ 1	W	4	o	2	r	#	41	34	0.51	
	Christiansund ...	29.20	43	WSW	8	r	29.21	+ .11	41	39	- 5	WSW	6	r	6	r	#	46	41	0.28	
	Skudesnaes ...	29.51	45	Z	0	o	29.38	- .36	42	41	- 5	NW	10	o	7	o	#	47	41	#	
	Færder (Christiania Fjord)	29.39	44	SW	4	o	29.20	- .17	40	39	- 4	NW	1	o	4	o	#	50	40	-	
	Skagen (The Scaw)	29.47	44	W	6	c	29.22	- .32	43	42	- 3	NW	1	f	0	c	#	46	41	0.04	
BRITISH ISLANDS.	Fanö ...	29.75	44	WSW	2	mv	29.40	- .51	45	45	- 1	W	6	r	#	mv	#	46	43	0.28	
	Sumburgh Head	29.43	47	W	4	c	29.77	+ .28	42	38	- 6	NW	8	c	7	c	#	48	38	0.32	
	Stornoway ...	29.41	52	WSW	5	ow	30.04	+ .27	44	42	- 4	NW	4	bc	4	ow	#	53	39	0.25	
	Wick ...	29.43	49	NW	6	c	29.97	+ .28	43	41	- 5	NW	4	bc	3	c	#	50	35	0.05	
	Nairn ...	29.50	53	WSW	4	b	30.07	+ .27	42	40	- 7	W	3	c	2	b	#	54	40	0.11	
	Aberdeen ...	29.54	50	SSW	3	b	30.06	+ .26	41	37	- 5	W	5	bcg	3	b	#	54	41	-	
	Leith ...	29.72	52	WSW	5	c	30.16	+ .28	43	43	- 8	W	3	bc	#	c	#	56	42	0.04	
	Shields ...	29.78	58	WSW	5	c	30.19	+ .19	43	40	- 11	W	3	b	2	p.c	#	58	42	-	
	Spurn Head ...	29.97	52	SW	4	o	30.23	+ .10	45	43	- 5	WNW	5	b	4	o	#	55	45	-	
	York ...	29.96	58	W	4	c	30.24	+ .12	45	40	- 6	WNW	3	b	#	2.c	#	58	44	0.04	
GERMANY & HOLLAND.	Loughborough ...	30.09	56	SW	7	c	30.28	+ .01	46	41	- 6	WNW	6	b	#	4p, bc	#	58	45	0.03	
	Ardrossan ...	29.75	51	SSW	5	dp	30.25	+ .29	46	45	- 3	W	4	b	3	dp	#	51	45	0.08	
	Malin Head ...	29.68	52	WSW	8	cmpg	30.31	+ .39	46	44	- 4	WSW	5	cmp	3	cmpg	#	53	44	0.14	
	Belmullet ...	29.88	53	WSW	8	og	30.41	+ .41	48	44	- 5	WSW	3	c	#	og	#	54	40	0.03	
	Donaghadee ...	29.84	55	WSW	6	o	30.32	+ .26	42	40	- 10	WNW	5	b	3	o	#	56	42	0.13	
	Liverpool (Bidston)	30.01	54	SW	6	o	30.37	+ .21	46	42	- 6	W	5	bc	5	ap	#	58	46	0.06	
	Holyhead ...	30.04	52	SW	7	ogmv	30.40	+ .23	46	43	- 4	NW	5	bc	4	ogmv	#	52	43	0.03	
	Parsonstown ...	30.06	55	SW	3	o	30.50	+ .31	39	38	- 15	Z	0	b	#	oa	#	57	38	0.01	
	Valencia ...	30.16	55	SW	6	ogmv	30.51	+ .26	45	44	- 10	E	1	o	6	ogmv	#	55	44	0.02	
	Roche's Point ..	30.23	54	W	5	omv	30.52	+ .25	46	44	- 6	N	2	c	3	o	#	55	45	0.02	
FRANCE & BELGIUM.	Pembroke (St. Ann's Hd.)	30.21	51	W	6	r	30.50	+ .17	47	45	- 4	NW	3	b	5	r	#	52	45	0.02	
	Scilly ...	30.41	51	SW	5	mv	30.53	+ .05	52	50	- 1	NW	5	om	5	mv	#	54	49	0.01	
	Prawle Point ...	30.41	50	SW	4	r	30.51	+ .02	46	43	- 5	NW	3	bc	3	omv	#	51	44	0.03	
	Jersey (St. Aubin's)	30.52	51	SW	4	og	30.49	- .13	52	50	+ 4	W	4	c	3	og. 2	#	52	47	0.03	
	Hurst Castle ...	30.34	51	WSW	6	om	30.40	- .07	48	45	- 2	WNW	4	bc	3	om	#	51	45	0.01	
	Dungeness ...	30.29	50	WSW	7	o	30.27	- .13	49	44	+ 1	NW	6	b	5	o	#	53	48	0.02	
	North Foreland	30.25	53	SW	5	o	30.22	- .19	48	45	+ 6	W	6	b	3	o	#	54	42	-	
	London (Brixton) ...	30.25	54	WSW	4	ov	30.34	- .09	49	44	- 1	NW	4	bc	#	op. o. og	#	55	48	0.02	
	Oxford ...	30.19	54	SW	7	o	30.39	+ .04	46	42	- 5	NW	3	b	#	og. 2	#	55	46	-	
	Cambridge ...	30.16	55	WSW	5	bcg	30.29	- .01	46	42	- 5	NW	3	b	#	o. bcg	#	57	45	-	
PENINSULA.	Yarmouth ...	30.08	54	W	5	og	30.16	- .10	47	43	- 3	NW	6	bcg	4	og	#	55	44	0.21	
	Cuxhaven ...	29.96	45	W	8	o	29.54	- .55	46	46	+ 4	W	8	o	#	p. o	#	48	42	0.39	
	Berlin ...	29.96	44	WNW	5	o	29.60	- .64	48	48	+ 9	W	5	r	#	o	#	48	39	0.24	
	Wiesbaden ...	#	#	#	#	#	30.04	#	41	40	#	SW	2	o	#	#	#	41	39	-	
	Munich ...	30.44	45	SW	6	r	30.10	+ .53	49	41	+ 23	W	7	o	#	r	#	50	25	0.04	
	The Helder ...	30.00	48	SW	5	r	29.95	- .27	47	44	+ 1	NW	8	c	4	r	#	48	46	0.39	
	Brussels ...	#	#	#	#	#	30.11	- .40	51	48	+ 15	WNW	7	r	#	r	#	51	36	0.08	
	Cape Gris Nez ...	30.25	50	WSW	6	r	30.16	- .24	53	49	+ 7	WNW	6	bc	#	r	#	53	46	-	
	Paris ...	30.58	38	SSW	4	o	30.35	- .34	49	45	+ 7	WSW	3	c	#	o	#	49	32	0.08	
	Brest ...	30.51	52	SW	4	o	30.52	- .11	52	50	+ 2	WNW	3	c	#	o	#	52	45	-	
GERMANY & HOLLAND.	Lorient ...	30.62	51	SW	4	o	30.55	- .15	50	50	+ 3	WNW	5	+	#	o	#	52	45	-	
	Rochefort ...	30.73	41	E	3	mv	30.60	- .14	51	50	+ 16	W	4	o	#	mv	#	51	32	0.12	
	Belfort ...	30.64	32	W	4	mv	30.38	- .21	39	37	+ 9	W	5	o	#	mv	#	39	30	-	
	Lyons ...	30.60	33	W	1	f	30.59	- .21	31	31	- 1	W	1	o	#	f	#	34	30	-	
	Nice ...	30.55	45	Z	0	bc	30.36	- .29	40	39	+ 1	E	1	bc	#	bc	#	54	39	-	
	Perpignan ...	30.64	50	NW	2	b	30.56	- .16	52	43	+ 16	W	3	o	#	b	#	60	36	-	
	Biarriz ...	30.66	45	NE	1	c	30.66	- .05	47	45	+ 15	S	3	o	#	c	#	48	32	-	
	Corunna ...	#	#	#	#	#	30.11	- .40	51	48	+ 15	WNW	7	r	#	r	#	51	36	0.08	
	Lisbon ...	30.74	53	NNE	4	b	30.74	+ .01	45	42	- 2	NNE	4	b	#	b	#	57	45	-	
	Azores (P. Delgada)	30.65	59	ESE	4	o	30.65	+ .02	61	56	+ 2	SSE	4	o	#	o	#	64	57	-	

For Explanation of Columns, see bottom of last page.

† Received too late for Insertion in Charts on next page.

NOTE: The Sunshine for London given in this Table is now recorded on the tower of the Wesleyan Training College, Westminster.

Bright Sunshine yesterday Southport... 0.0 hrs;

WEATHER CHARTS

FOR MONDAY, 31ST JANUARY, 1898

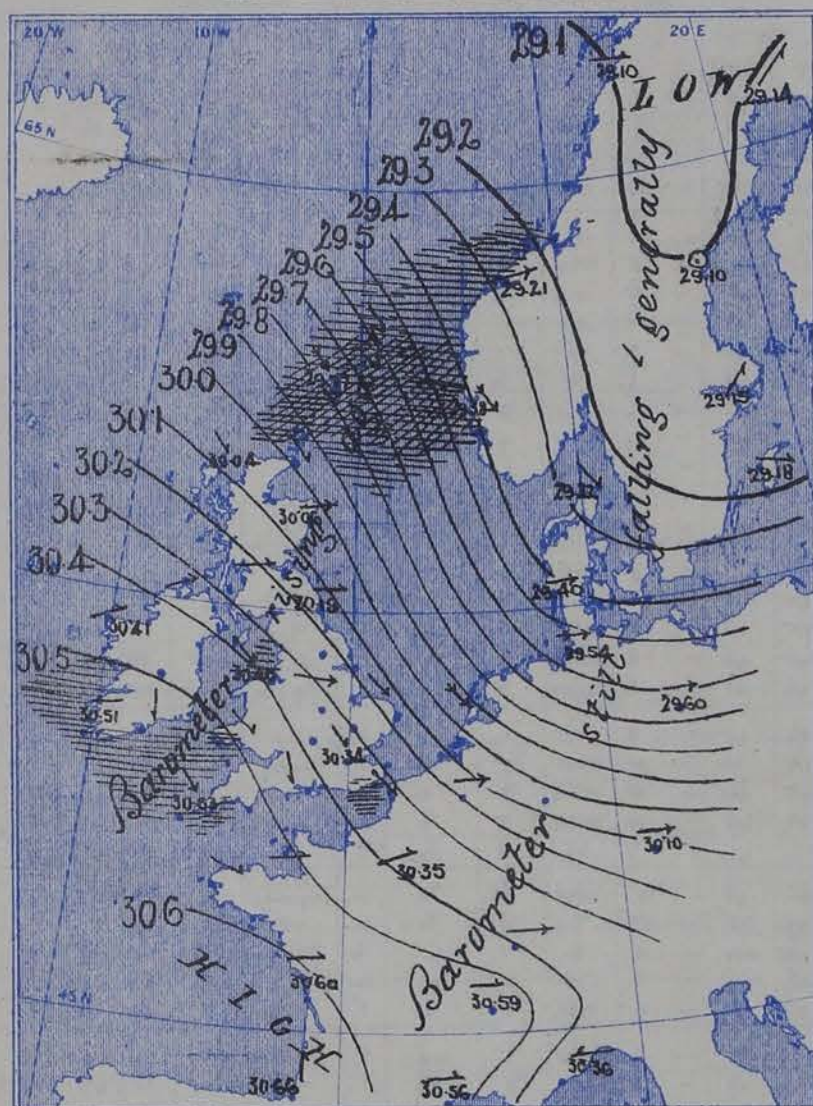
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows show Directions and Force, flying with the wind.

Force above 10 →→→ ; Force 5 to 7 →→→ ; } Calm ⊙
Force 8 to 10 →→→ ; Force 1 to 4 →→→ ; }

SEA—Rough ≡≡≡ ; High ≡≡≡



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0.6.



VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JANUARY.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.					Hours.	Per cent. of possible.
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.			
	(Inches.)									(Inches.)		
Sumburgh Head	29.676	39.4	38.0	42.5	35.2	51	1880, 82, 87	19	1881	3.85	—	—
Stornoway	29.688	39.1	38.2	42.9	34.0	55	1890	11	1881	5.17	29.2	13
Wick	29.715	37.9	36.6	42.0	32.9	57	1889	4	1881	2.24	—	—
Nairn	29.744	36.9	35.4	42.0	32.2	59	1887	5	1881, 95	1.98	—	—
Aberdeen	29.786	36.0	35.2	42.0	32.8	58	1889, 92	4	1881	2.38	52.6	23
Leith	29.821	38.2	36.7	43.9	33.3	57	1872, 80, 88	9	1881	1.78	—	—
Shields	29.871	37.7	36.5	42.7	33.5	58	1880	6	1881	1.72	—	—
Spurn Head	29.911	37.3	36.3	41.2	34.0	54*	1884, 88	13*	1881	1.38	—	—
York	29.922	36.2	35.2	42.2	31.9	58	1872	3	1881	1.84	30.2	12
Loughborough	29.958	35.8	34.8	42.5	31.7	57*	1888, 94	2*	1881	2.01	—	—
Ardrossan	29.834	39.5	38.4	43.7	35.7	53	1873, 75, 92	12	1881	3.89	—	—
Malin Head	29.795	40.6	39.0	45.0	37.6	—	—	—	—	—	—	—
Belmullet	29.830	42.3	41.0	46.4	38.7	—	—	—	—	5.48	—	—
Donaghadee	29.854	39.7	38.9	44.2	35.8	55	1875, 80, 89, 92	14	1881	2.90	—	—
Holyhead	29.897	41.3	40.0	45.1	38.2	55	1873	20	1894	3.26	—	—
Liverpool	29.918	38.1	36.5	43.0	34.7	57	1877, 90	9	1881	2.18	—	—
Parsonstown	29.895	38.3	37.3	45.0	33.6	57	1880	6	1881, 94	2.99	50.8	21
Valencia	29.894	44.0	42.7	49.0	39.8	56	1876, 78	20	1894	6.31	56.1	22
Roche's Point	29.909	42.7	41.4	47.3	38.9	57	1889	20	1894	5.33	—	—
Pembroke	29.922	42.2	40.8	45.1	39.0	52	1874, 75, 77, 78, 84, 90	19	1881, 94	3.71	53.6	21
Scilly	29.960	46.0	44.4	48.5	42.3	55	1875, 76, 77, 82, 83, 90	25	1894	3.63	—	—
Prawle Point	29.991	41.3	40.3	45.7	37.0	56*	1883, 95	17*	1881	2.92	—	—
Jersey	30.012	41.5	40.0	45.6	37.9	57	1877	12	1891	3.21	71.2	27
Hurst Castle	29.991	39.6	38.8	44.4	35.6	56	1876, 83, 90	15	1881	2.86	—	—
Dover	29.992	38.4	37.4	42.9	34.7	55	1878	11	1893	2.47	—	—
LONDON	29.991	37.1	36.0	43.4	33.2	58	1876	9	1881	2.06	19.3†	8†
Oxford	29.987	36.4	35.4	42.5	32.9	56	1877, 90	7	1881	2.16	47.1	19
Cambridge	29.979	35.6	34.8	42.7	30.9	59	1878, 80	4	1881	1.52	49.8	20
Yarmouth	29.960	37.0	36.1	40.9	33.0	55	1878, 84	10	1881	1.96	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95.

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.7 in. and upwards in Portugal; 30.3 in. and upwards in an anticyclone extending from the Spanish peninsula over France and all the more W.^m and S.^m parts of our Islands.
 Lowest 29.1 in. and less in a depression over the northern parts of Scandinavia.
 Gradients steep over the North Sea, the Netherlands and Germany, but moderate or slight elsewhere.
 Barometer rising briskly in our Islands, but falling at most of the Continental stations.

TEMPERATURE

Highest 53° at Cape Gris Nez, 52° at Seilly, Jersey, Brest and Perpignan, and 51° at Brussels, Rochefort.
 Lowest (1) 18° at Haparanda, and 34° at Stockholm; (2) 31° at Lyons, and 39° at Belfort; (3) 39° at Parisian, and 41° at Aberdeen.
 During yesterday the thermometer rose to 55° or a little above it in many parts of our islands, and to 58° at Shields, York, Loughborough and Liverpool.

WIND

NW² or W² over nearly the whole of our area; fresh or strong in force in many places, and blowing a gale in the Shetlands as well as on the eastern shores of the North Sea.
 Light or moderate from the SW^m in Sweden; variable in the south of France.

WEATHER

In the course of the past night a whole gale from W. or NW. has been experienced in the N.E. of Scotland, and a fresh to strong gale on most other parts of our coasts.
 Fine over the United Kingdom, but cloudy at most of the Continental stations, with rain in several isolated places, and with snow at Haparanda.
 Rainfall yesterday over NW^m Europe generally, but in our islands the quantity was as a rule extremely small.

SEA

High at Sunnaberg H^t and Skudsmoes, and rough or rather so on many parts of our W. & S. coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions noticed yesterday in the extreme north are travelling away to the eastward, and an anticyclone is spreading over our islands from the southwestward. It is, however, at present doubtful whether the latter system will prove at all permanent.

FORECASTS

For the 24 hours ending at NOON on 1ST FEB.

1898

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

NW² to W² or SW² winds, fine at first, cloudy later, probably some rain.

W² winds, moderate or fresh, fine, cool, frost inland at night.

NW² winds, falling light, fine, colder.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

W² to SW² winds, fine at first, cloudy later, probably some rain.

NW² to W² winds, moderate or fresh, fair generally.

Same as N^o 6.

At 7 pm yesterday to districts 3 and 5. Hoist South Cone. The Signals have all been lowered this morning.

WARNINGS

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the North Cone is hoisted in preference to the South Cone.
 The North Cone, point upwards (↑), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the South Cone is hoisted in preference to the North Cone.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.65	47	44	W	7	0	5	Valencia ...							
Sumburgh Head ...								Soilly ...							
Stornoway ...	29.55	48	48	SW	5	0	5	Jersey ...	30.58	51	49	WSW	4	09	3
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	30.31	49	48	WSW	6	0	5
Ardrossan ...								North Foreland ...	30.29	51	50	SW	6	0	4
Malin Head ...	29.79	52	52	W	6	c	4	London (Westminster) ...							#
Belmullet ...	29.95	51	53	SW	6	ow	#	Yarmouth ...							
Holyhead ...								Rochefort ...	30.76	37	36	E	2	m	#

GENERAL REMARKS ON THE WEATHER OVER EUROPE DURING THE PAST 24 HOURS.

Continental information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 23RD TO 29TH JANUARY.

During the whole of last week the weather in all but the northern parts of our area was influenced by a large anticyclone the central portion of which lay over the English Channel, France and Germany. Light breezes were therefore prevalent, - from the End in France, from the Snd or SWnd over England and Ireland, and from the Wnd over the North Sea, Denmark and N. Germany, the weather being mostly dull and misty, excepting at our eastern stations where the sky occasionally cleared.

In the north the weather was influenced by large depressions the centres of which travelled in an easterly direction across the extreme northern parts of Scandinavia and Russia. These disturbances occasioned gales from the Wnd (SW to NW) over Nth Europe, with frequent falls of rain and snow and rapid changes in temperature. A little rain was also experienced on our own extreme N. and NW. coasts, and on the 25th or 26th a slight gale from the SWnd or Wnd was reported in the north of Scotland. At the close of the week one of the depressions in the far north was spreading down in a southerly direction and was producing gales or strong winds from the SWnd, with rain, in all the more northern parts of the United Kingdom.

Temperature was rather low over France and Germany but high in our Islands and especially in the western and northern districts, where the thermometer usually rose in the day time to 50° or a little above it. On the 26th and 27th a maximum as high as 57° was reached at Staines, while on the latter date the thermometer at Wick reached 58°. In the south and east of England the maximum readings were seldom much above 45°, and on the 28th they were as a rule slightly below that point.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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.

N.B.—The morning observations are now made at 8 a.m. in the British Islands, Belgium, Germany, Sweden, and Norway, at 7 a.m. in France, and at 9 a.m. in Spain and Portugal. The evening observations are made at 8 p.m. at Oxford, but at 6 p.m. at the other stations in the British Islands and in France; at 8 p.m. in Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

Subscriptions both for the Daily and Weekly Weather Reports may be paid, in advance, to the Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
„ Weekly „ „ „ £1 10 0 „

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
DATE.	STATIONS.	BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.			Rainfall.	
		At 32° and M.S.L.	Dry Bulb.	Dirac.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12.)				Max.	Min.			
		Ins.	°				Ins.	Ins.	°	°	°						°	°	Ins.		
1	Haparanda	29.48	34	SSW	2	f	29.48	+16	33	33	0	Sw	2	0	f	-	34	23	0.04		
..	Hernösand	29.49	36	S	2	0	29.55	+13	36	35	-2	S	2	0	0	-	39	34	-		
..	Stockholm	29.65	38	S	2	r	29.71	+06	37	36	+1	S	2	0	r	-	39	34	-		
..	Kristby	29.73	39	S	4	b	29.74	00	36	35	+1	SSW	4	0	b	-	39	32	-		
..	Karlstad	?	39	?	2	0	29.60	+08	40	39	+1	S	2	0	0	-	-	-	0.12		
..	Corunna	29.74	54	W	7	bc	29.62	-	50	48	-	S	4	0	bc	-	57	46	0.12		
3	Haparanda	29.78	28	Z	0	b	29.76	+14	27	25	-6	W	4	0	b	-	34	25	-		
..	Hernösand	30.03	32	Z	0	b	30.20	+14	28	27	-9	Z	0	0	0	-	39	28	-		
..	Stockholm	30.08	34	Z	0	f	30.14	+17	35	35	+3	E	2	0	f	-	36	30	0.04		
..	Kristby	30.05	38	SSE	4	0	30.15	+18	32	32	+4	S	4	0	0	-	38	32	-		
..	Karlstad	30.08	33	SE	2	c	30.12	+23	32	31	-6	Z	0	0	c	-	-	-	-		
..	Corunna	29.48	47	S	6	0	29.66	+01	50	46	-1	SSE	3	0	0	-	57	45	0.04		
4	Corunna	30.01	58	SSE	2	0	30.29	+63	46	45	-4	SE	3	0	0	-	59	43	-		
..	Azores	30.38	59	N	4	0	30.29	-10	59	58	+4	N	4	3	0	-	59	55	-		
5	Lorient	30.28	51	SE	2	m	30.15	-	50	50	-	S	1	2	m	-	55	46	-		
..	Corunna	30.24	59	SE	3	b	30.21	-08	52	48	+6	E	2	0	0	-	59	46	-		
6	The Helder	29.95	44	SW	3	r	29.87	-09	46	-	+1	SW	3	2	r	-	46	45	0.02		
..	Corunna	30.15	67	E	2	b	30.21	-00	55	52	+3	E	3	0	0	-	68	48	-		
7	Corunna	30.22	58	E	2	0	30.16	-05	55	54	0	N	4	4	0	-	59	50	0.39		
8	Corunna	30.16	57	EHE	4	bc	29.94	-17	46	45	-9	E	3	0	0	-	57	41	-		
9	Corunna	29.80	64	W	3	b	29.80	-19	54	?	+8	SE	3	8	0	-	55	41	-		
10	The Helder	29.96	37	SSE	1	m	30.11	?	48	42	+7	NW	1	1	m	-	43	36	0.08		
..	Corunna	29.89	48	NHE	4	r	30.28	+48	52	51	-2	NHE	4	6	0	-	55	46	0.32		
11	Biarritz	30.28	55	NW	3	0	30.38	+27	?	?	?	NE	3	0	0	-	59	45	-		
12	The Helder	30.47	45	NSW	2	0	30.52	+20	45	-	+2	NSW	3	0	0	-	45	43	-		
..	Corunna	30.40	54	NE	3	c	30.40	-	50	46	-	NE	3	0	0	-	55	45	-		
13	The Helder	30.61	45	SW	2	0	30.70	+18	42	-	-3	SSW	1	0	0	-	45	42	-		
..	Azores	30.37	55	SSE	4	c	30.30	-10	57	53	0	SSW	4	0	0	-	61	54	0.04		
14	Corunna	30.20	59	EHE	3	b	30.25	-	45	41	-	NE	1	0	0	-	63	45	-		
15	Corunna	30.24	59	NE	3	b	30.33	+08	45	43	0	NE	1	0	0	-	59	?	-		
16	Corunna	30.36	58	EHE	3	b	30.28	-05	42	40	-3	E	3	4	0	-	58	?	-		
17	Corunna	30.36	55	E	1	b	30.38	+10	41	39	-1	E	1	0	0	-	55	41	-		
18	Corunna	30.39	55	E	1	b	30.44	+06	44	41	+3	E	1	0	0	-	55	41	-		
19	Corunna	30.47	57	E	1	b	30.53	+09	42	40	-2	E	1	0	0	-	57	42	-		
20	Stockholm	29.46	49	SW	6	0	29.62	-09	43	-	-4	N	8	0	0	-	50	39	-		
..	Kristby	29.80	44	SW	9	0	29.84	-13	42	-	+1	NW	6	0	0	-	?	?	-		
..	Corunna	30.51	56	N	1	b	30.51	-02	42	40	0	EHE	3	4	0	-	57	42	-		
21	Corunna	30.52	54	EHE	1	b	30.51	00	40	39	-2	NE	1	0	0	-	55	40	-		
22	Corunna	30.34	57	NE	1	b	30.56	+05	39	37	-1	E	1	0	0	-	?	39	-		
23	Miesbaden	-	-	-	-	-	30.58	+09	34	-	-2	Z	0	0	0	-	46	34	0.04		
..	The Helder	30.40	43	NHE	4	0	30.58	+29	41	-	-5	NSW	1	0	0	-	48	39	-		
24	The Helder	30.48	43	W	3	bc	30.36	-22	45	-	+4	NW	3	0	0	-	45	41	-		
..	Corunna	30.44	55	E	1	b	30.49	-	41	38	-	E	1	0	0	-	57	41	-		
25	Corunna	30.41	56	E	1	b	30.37	-12	38	37	-3	E	1	0	0	-	57	38	-		
26	Lyon	30.41	42	NW	1	0	30.43	-06	36	36	0	N	1	0	0	-	44	35	-		
..	Corunna	30.33	55	E	1	b	30.32	-05	39	38	+1	ESE	1	0	0	-	55	38	-		
27	Miesbaden	-	-	-	-	-	30.45	-01	39	-	-3	Z	0	0	0	-	45	39	-		
..	Corunna	30.32	55	ESE	1	b	30.37	+05	43	39	+4	E	1	0	0	-	55	39	-		
28	Corunna	30.36	60	E	1	b	30.51	+14	44	41	+1	E	1	0	0	-	61	43	-		
29	Corunna	30.50	55	E	1	b	30.63	+12	43	?	-1	E	3	0	0	-	61	43	-		
30	Miesbaden	-	-	-	-	-	30.54	-17	31	-	-11	NW	1	0	0	-	46	30	-		
31	Corunna	30.67	58	E	1	b	30.73	-	46	45	-	E	1	0	0	-	61	45	-		

2. CORRECTIONS.

		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
DATE.	STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		TEMPERATURE.			WIND.		Sea (0 to 9.)	Weather.	Hours of Bright Sun- shine.	TEMP.		Rainfall.	
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yester- day.	Dry Bulb.	Wet Bulb.	Change since Yester- day.	Direc.	Force (0 to 12.)				Max.	Min.		
2	Aberdeen.....	Ins.	°	Nr	-	-	Ins.	Ins.	°	°	°	-	-	-	-	-	°	°	Ins.	
"	Ararossan.....	-	-	-	-	-	29.60	+ .35	-	-	-	-	-	-	-	-	-	-	-	
4	Sumburgh Ha.....	-	-	-	-	-	29.65	- .51	-	-	-	-	-	-	-	-	35	-	-	
"	Stornoway.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-	-	
"	Main Hd.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07	
5	Brussels.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain	
6	Pembroke.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	
"	Hurst Castle.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	
7	Pembroke.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	44	-	
8	Main Head.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-	
"	Pembroke.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No rain	
10	Parsonstown.....	30.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	Dungeness 2pm.....	-	-	-	-	-	30.49	-	-	-	-	-	-	-	-	-	-	-	-	
14	Kristy.....	30.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
"	Scilly 2pm.....	-	-	-	-	-	?30.39	-	-	-	-	-	-	-	-	-	-	-	-	
15	Scilly.....	?30.42	-	-	-	-	?30.43	+ .05	-	-	-	-	-	-	-	-	-	-	-	
16	Ararossan.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	
"	Scilly.....	?30.44	-	-	-	-	?30.43	.00	-	-	-	-	-	-	-	-	-	-	-	
"	North Foreland.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	
17	Donaghadee.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-	
18	Hurst Castle.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	
19	Spurn Head.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	
"	Hurst Castle.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	
21	Telencia.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	0.09	
22	Christiansund.....	29.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
"	Spurn Head.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-	
23	Pembroke.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-	
26	Pembroke.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	
28	North Foreland.....	?30.49	-	-	-	-	?30.61	+ .18	-	-	-	-	-	-	-	-	-	-	-	
29	Parsonstown.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?39	-	
30	Aberdeen.....	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	
"	Ararossan.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	
31	Bawle Point.....	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
"	Jersey.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	