12586

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE, 1897.

DAILY WEATHER REPORT.

January to June 1897.

Wyman and Sons, Cr Lith London 5718/97

DAILY WEATHER REPORT

for 8 a.m. on Monday, 1st March, 1897.

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 Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.92	7	SW	0	b	30.01	+.23	-5	-6	- 18	N	2	b	5	b	*	19	?	-
	Hernösand ...	29.89	27	SW	0	0	29.86	+.08	28	27	+ 5	E	4	f	*	0	*	28	19	-
	Stockholm ...	29.93	36	SW	0	b	29.93	+.11	33	32	+ 1	WSW	2	0	*	b	*	41	30	-
	Wisby														*		*			
	Karlstad ...	29.93	35	SW	2	b	29.87	+.01	33	32	- 1	S	2	f	*	b	*	*	*	-
	Bodö	29.65	23	E	6	b	29.73	+.15	24	21	- 1	ENE	6	bc	2	b	*	28	21	-
	Christiansund ...	29.74	37	W	4	r	29.54	-.04	37	33	+ 2	ESE	4	bc	5	r	*	39	34	0.39
	Skudesnaes ...	29.85	41	SSE	6	b	29.46	-.47	41	38	0	SE	7	c	5	mb	*	42	36	*
	Færder (Christiania Fjord)	29.91	38	WSW	4	b	29.76	-.12	35	34	- 2	ESE	4	0	2	b	*	39	35	-
	Skagen (The Scaw)	29.93	36	W	2	m	29.73	-.26	36	35	- 1	SE	5	0	1	m	*	43	34	-
	Fanö	29.93	35	S	4	b	29.64	-.51	34	33	- 1	SSE	4	c	*	b	*	45	34	-
British Islands.	Sumburgh Head	29.50	40	S	3	0	29.01	-.73	41	41	- 1	S	3	r	6	0	*	45	40	0.17
	Stornoway ...	29.22	43	SSE	6	ou	28.98	-.70	38	37	- 3	WSW	3	0	3	or.ou	0.4	44	36	0.15
	Wick	29.25	42	S	7	0	29.00	-.73	41	40	+ 1	S	3	bc	2	0	*	45	39	0.05
	Nairn	29.32	43	W	1	0	29.02	-.77	40	38	+ 2	W	1	c	1	0	*	46	34	-
	Aberdeen ...	29.47	41	SSE	7	ogrq	29.12	-.76	40	38	+ 3	ESW	3	cu	4	ogqr	0.3	43	37	0.25
	Leith	29.48	44	S	2	r	29.17	-.72	40	38	+ 1	SW	3	c	*	r	*	49	37	0.10
	Shields	29.54	44	S	5	0	29.26	-.74	40	38	+ 5	S	2	bcm	2	0	*	46	34	-
	Spurn Head ...	29.64	43	SE	5	0	29.38	-.67	42	40	+ 1	WSW	5	b	4	bc.p	*	45	40	0.09
	York	29.63	45	SSE	2	0	29.36	-.66	40	38	+ 8	S	2	bc	*	0	0.0	45	32	0.09
	Loughborough ...	29.64	46	SW	4	0	29.46	-.61	38	36	+ 4	SW	3	b	*	ogp.bc	*	47	34	0.06
	Ardrossan ...	29.34	42	SSE	5	op	29.18	-.61	42	40	+ 2	SSW	5	0	4	op	*	44	38	0.20
	Malin Head ...	29.23	43	S	5	or	29.17	-.48	39	38	+ 2	WNW	4	cqr	3	0.r	*	45	36	0.11
	Belmullet ...	29.27	45	WSW	4	cpq	29.31	-.22	44	39	+ 1	W	4	c	*	bc.cqp	*	48	36	0.44
	Donaghadee ...	29.34	45	S	6	0	29.28	-.55	36	35	- 5	WSW	5	b	3	0	*	47	35	0.29
	Liverpool (Bidston)	29.52	45	SE	3	r	29.38	-.56	40	37	+ 4	SSW	3	b	3	r	*	48	36	0.05
	Holyhead ...	29.47	45	S	6	cqp	29.39	-.46	40	38	+ 4	SW	6	b	5	cqp	*	46	31	0.17
	Parsonstown ...	29.37	43	SE	2	bc	29.40	-.29	35	34	- 5	S	1	b	*	or.b	0.0	47	34	0.20
	Valencia ...	29.42	45	SW	5	bcp	29.45	-.17	43	39	- 1	WSW	4	c	5	cp	2.3	50	30	0.44
	Roche's Point ..	29.44	44	WSW	4	bcp	29.49	-.24	39	37	- 8	NNW	2	bc	4	cp.b	*	48	36	0.25
	Pembroke (St. Ann's Hd.)	29.47	45	WSW	4	bc	29.49	-.38	44	41	- 1	WNW	5	bc	5	or	0.0	46	42	0.15
	Scilly	29.58	47	S	6	op	29.59	-.30	45	43	- 4	WSW	4	0	4	op.tsh	0.0	50	44	0.23
	Prawle Point ...	29.67	45	SSW	5	c	29.61	-.38	44	41	- 1	W	6	cp	5	r.p	*	48	40	0.24
	Jersey (St. Aubin's)	29.82	50	SSW	5	0	29.73	-.33	44	42	- 2	WSW	5	cqrm	4	0.gp	*	51	43	0.18
	Hurst Castle ...	29.74	47	SSW	5	r	29.61	-.43	45	42	0	WSW	4	b	3	dp.qp	*	47	42	0.15
	Dungeness ...	29.83	46	SSW	4	c	29.60	-.48	44	43	0	WSW	5	bc	3	c	*	49	42	0.03
	North Foreland	29.84	47	SW	4	bc	29.64	-.48	43	42	+ 2	SW	4	bc	3	c.bc	*	50	41	0.06
	London (Brixton) ...	29.77	46	SSW	3	oa	29.57	-.53	41	38	+ 1	SSW	3	b	*	c.orq	0.0	51	39	0.05
	Oxford	29.63	47	SSE	5	r	29.55	-.50	39	37	- 2	SW	3	b	*	op.r	*	47	38	0.15
	Cambridge ...	29.73	46	S	3	b	29.52	-.58	40	39	+ 5	SW	4	b	*	0.b	0.5	50	34	0.10
	Yarmouth ...	29.79	42	SSE	4	0	29.50	-.62	42	40	+ 2	SW	4	b	3	0	*	43	38	0.04
Germany & Holland.	Cuxhaven ..	29.92	37	SE	2	b	29.63	-.58	35	35	+ 1	S	2	b	*	b	*	43	34	-
	Berlin	30.13	39	SE	2	b	29.91	-.35	35	34	0	SE	3	c	*	b	*	45	34	-
	Wiesbaden ...	*	*	*	*	*	29.84		41	40		SE	1	0	*	*	*	54	39	-
	Munich... ..	30.03	43	E	4	b	29.93	-.27	44	43	+ 4	SW	4	r	*	b	*	55	37	0.04
	The Helder ...	29.84	38	WSW	6	b	29.55	-.65	42	41	+ 10	SSW	4	0	2	b	*	43	32	0.04
France & Belgium.	Brussels ...	*	*	*	*	*	29.69	-.48	44	42	+ 1	SSW	5	0	*	b	*	52	39	-
	Cape Gris Nez...	29.85	46	SW	4	0	29.66	-.46	44	44	+ 1	W	5	0	4	0	*	52	43	0.04
	Paris	29.94	48	SSE	2	b	29.77	-.40	45	43	+ 9	SSW	3	r	*	b	*	53	36	0.04
	Brest	29.76	49	SSW	3	0	29.79	-.28	48	47	- 1	WSW	4	c	3	0	*	50	45	-
	Lorient... ...	29.81	45	SW	6	s	29.82	-.27	45	44	0	WNW	5	r	5	s	*	55	43	0.12
	Rochefort ...	30.00	49	SW	3	bc	29.93	-.26	49	46	+ 3	WNW	5	bc	*	bc	*	54	45	0.20
	Belfort	30.01	50	W	0	m	29.91	-.25	45	39	+ 7	WSW	1	m	*	m	*	62	38	-
	Lyons	30.04	52	SSE	1	0	29.97	-.19	44	42	+ 1	SSW	1	0	*	0	*	60	41	-
	Nice	30.12	49	ESE	1	0	30.04	-.18	47	45	0	W	0	c	0	0	*	54	46	-
	Perpignan ...	30.08	52	NE	2	bc	30.04	-.14	43	43	+ 5	W	2	0	*	bc	*	63	38	-
	Biarritz ...	30.05	53	WSW	3	bc	30.06	-.10	52	49	+ 2	WSW	5	r	5	bc	*	57	43	0.16
Penin-sula.	Corunna ...																*			
	Lisbon	30.33	53	W	3	b	30.34	+.06	54	53	+ 5	SW	3	0	*	b	*	63	49	-
	Azores (P. Delgada)	30.39	60	WNW	2	c	30.39	.00	60	56	+ 4	WNW	4	c	3	c	*	64	56	-

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 0.1 hrs; Brighton 3 hrs; Eastbourne 1.2 hrs; Hastings 0.8 hrs;

WEATHER CHARTS

FOR Monday, 1st March, 1897.

BAROMETER, WIND AND SEA.

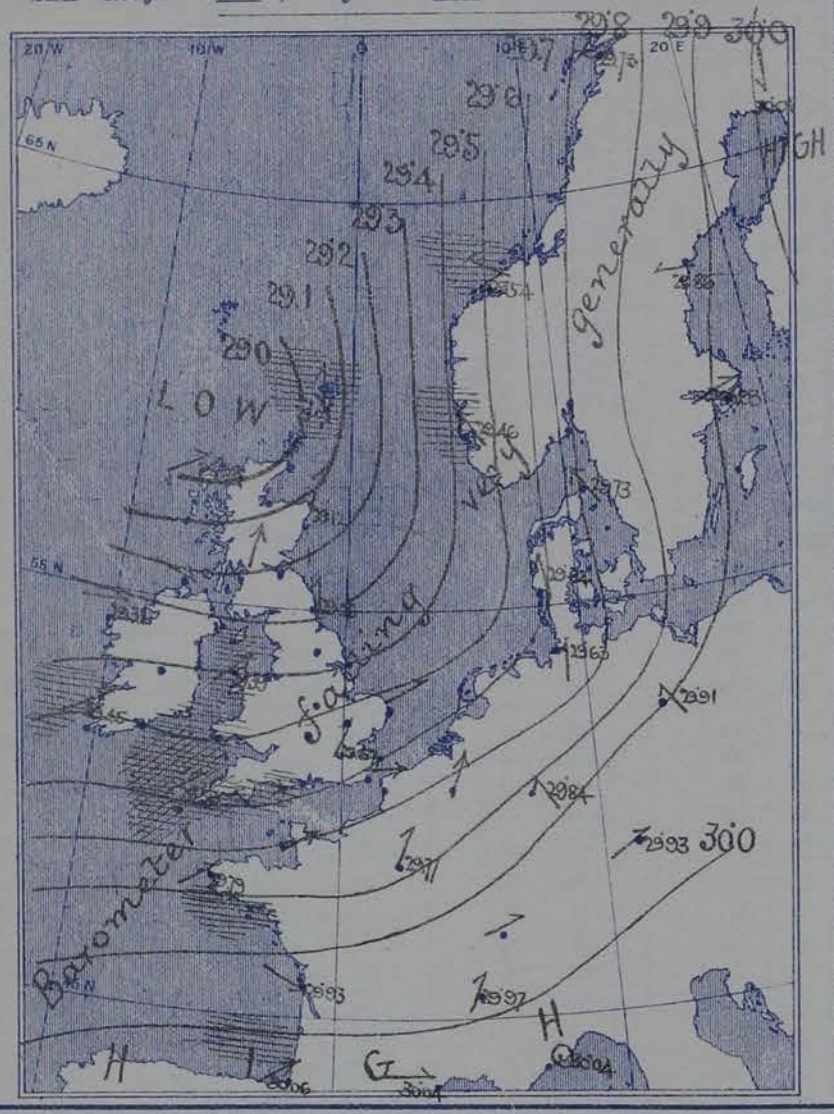
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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* ▩


20°W
10°W
0
10°E
20°E
65°N
55°N
50°N
29·8
29·9
30·0
29·7
29·6
29·5
29·4
29·3
29·2
29·1
29·0
LOW
Generally HIGH
very
Fair
Squally
Squally
Squally

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and upwards, in the south of Portugal; 300 in: and upwards in Lapland.
Lowest, 29·0 in: and less, in a depression off the north of Scotland.
Gradient moderate. Barometer inclined to rise at some of our western and southern stations, but falling elsewhere.

TEMPERATURE

Highest, 54° at Lisbon, 52° at Biarritz, 48° at Rochefort, 48° at Brest, 47° at Nice, and 45° at Hunt Castle, Cork, and Rochefort.
Lowest, −5° F. at Haparanda, +24° at Berlin, and 28° at Hernösand; lowest in our Islands 35° at Valentia, and 36° at Donaghadee.
During yesterday the thermometer at many of our northern stations failed to exceed 45°; in the south, however, it rose to 50° or a little more.

WIND

Moderate to fresh from the W^ard or SW^ard over the greater part of Ireland, England, and France.
Light from the S^ard on our north and northeast coasts; SE^ly on the eastern shores of the North Sea, with a gale at Skudenes; variable in Scotland.
During yesterday a moderate gale from the SW^ard was experienced on many parts of our western coasts, and a fresh to strong S^ly gale in the north and west of Scotland.

WEATHER

Fair or fine over the greater part of the United Kingdom and also in the west of Norway, but raining at Lerwick, Valentia, and showery at one or two of the Channel stations.
Cloudy over the western parts of the Continent generally, with rain at several of the French stations and also at Memel.
Rain fell yesterday in most parts of our Islands and their immediate neighbourhood. Thunder and lightning occurred at night at Scilly; lightning also at Roche's Point.

SEA

High at Scilly, rough at Stornoway, and rather rough on the west coasts of our Islands and France generally, as well as off the west of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer appears to be very unsteady in the west, and although there are at present no distinct signs of the advance of any new disturbance, the general appearance is very unsettled.

FORECASTS

For the 24 hours ending at NOON on 2nd MARCH 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH ▼ 1 SCOTLAND EAST	S^ly winds, moderate at first, increasing later; unsettled, some rain.	▼ 6 SCOTLAND WEST ▼ 7 ENGLAND N.W.	SW^ly to S^ly winds, increasing in force; fine at first, some rain later.
▼ 2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	Same as No 5.	▼ 8 ENGLAND S.W. ▼ 9 IRELAND NORTH ▼ 10 IRELAND SOUTH	Wind backing to the SW^ard or S^ard and increasing in force; fair at first, some rain later.
5 ENGLAND SOUTH	SW^ly winds, fresh; changeable, some showers.	WARNINGS	The South Cone is still flying in districts 0 to 2 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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.98	42	41	SW	4	m	4
Sumburgh Head							
Stornoway	29.41	44	39	S	7	or	8
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.33	45	43	S	5	0	2
Belmullet	29.40	47	46	SW	3	bc	*
Holyhead							
Valencia							
Scilly							
Jersey	29.93	49	47	SSW	4	o	3
Hurst Castle ...							
Dungeness ...	29.90	48	46	SSE	4	c	3
North Foreland	29.94	49	47	S	4	c	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.15	50	48	W	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 21st to the 27th FEB: 1897.

The weather of last week was mostly fair and dry over the southern parts of our area, but changeable and showery in the west and north, with occasional gales from the SW.

At the commencement of the time an anticyclone spreads gradually over our Islands from the southward, the wind being light from the W., with fine weather in the eastern districts, but with dull misty weather in the west. Later on, however, depressions began to skirt our extreme northwestern and northern coasts, each successive disturbance advancing closer towards our Islands. Very stormy winds or gales from the SW. and unsettled showery weather consequently set in, first of all on our extreme northwest coasts, and afterwards over the western and northern parts of the United Kingdom generally, the actual amount of rain being, however, very slight, excepting in the western parts of Ireland and Scotland. Towards the close of the week the depressions appeared for a time to have come to an end, and anticyclonic conditions were again spreading over the entire Kingdom.

Temperature was unusually high for the time of year, especially over the more northern parts of Great Britain. Maximum readings above 55° were recorded on several occasions and in many parts of the Kingdom, the highest of all being 64° at Aberdeen on the 22nd, and 61° at the same station on the 26th; in London the highest reading was 58° on the latter date. At the close of the week, however, the thermometer fell fast, and frost occurred in many of the northern and inland districts.

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 Tuesday 2nd March. 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·06	−4	L	0	b	30·05	+·04	6	5	+11	N	2	b	≡	b	≡	10	−8	—
	Hernösand ...	29·83	26	ENE	6	r	29·68	−·18	28	18	0	ENE	4	f	≡	r	≡	30	23	0·04
	Stockholm ...	29·77	30	SE	4	o	29·53	−·40	34	33	+1	SSE	2	s	≡	o	≡	39	28	0·12
	Wisby	29·76	33	S	4	o	29·57		34	33		WSW	4	s	≡	o	≡	34	27	0·08
	Karlstad ...	29·57	35	E	4	bc	29·49	−·38	35	34	+2	SSW	2	o	≡	bc,s	≡	≡	≡	0·12
	Bodö	29·68	22	E	6	c	29·53	−·20	22	20	−2	ENE	7	o	3	c	≡	27	19	—
	Christiansund ...	29·23	41	SE	1	o	29·25	−·29	40	36	+3	S	2	o	4	o	≡	41	36	—
	Skudesnaes ...	29·26	41	S	6	o	29·39	−·07	39	37	−2	WSW	2	bc	4	r,o	≡	41	34	≡
	Færder (Christiania Fjord)	29·48	37	SSE	5	o	29·45	−·31	37	36	+2	SSW	4	bc	4	o	≡	37	35	0·35
	Skagen (The Scaw)	29·47	35	S	2	r	29·52	−·21	35	35	−1	SW	3	o	0	r	≡	37	34	0·12
	Fanö	29·50	36	SSW	4	b	29·54	−·10	36	36	+2	SSW	1	o	≡	b	≡	41	34	—
British Islands.	Sumburgh Head	28·96	41	WSW	2	r	29·22	+·21	38	35	−3	W	4	csp	6	bc,r	≡	45	33	0·14
	Stornoway ..	29·12	38	W	2	o	29·25	+·27	32	32	−6	WSW	3	o	3	p,b,q,spl	3·8	43	30	0·12
	Wick	29·06	35	S	2	bc	29·27	+·27	34	34	−7	W	1	b	1	bc	≡	43	31	—
	Nairn	29·16	37	SW	1	b	29·33	+·31	32	31	−8	L	0	b	1	b	≡	44	30	0·02
	Aberdeen ...	29·20	38	WSW	2	b	29·38	+·26	36	33	−4	SSW	2	bm	1	c,b	1·7	45	32	—
	Leith	29·28	37	WSW	3	bc	29·46	+·29	35	34	−5	WSW	3	bc	≡	bc	≡	45	33	0·01
	Shields	29·35	39	WNW	3	c	29·55	+·29	39	37	−1	SW	3	c	2	rhp,c	≡	47	33	—
	Spurn Head ...	29·42	41	SW	4	c	29·61	+·23	37	37	−5	WSW	3	c	3	c,rs	≡	48	35	0·01
	York	29·39	43	W	2	b	29·59	+·23	35	34	−5	WSW	1	b	≡	b	6·4	46	31	0·02
	Loughborough ...	29·46	40	SW	2	c	29·67	+·21	35	34	−3	WSW	2	bc	≡	c,rhs,b	≡	49	33	0·09
	Ardrossan ...	29·30	40	WSW	3	bhpq	29·45	+·27	39	39	−3	SSW	4	o	3	cq,hp	≡	42	36	0·11
	Malin Head ...	29·25	35	W	5	chpq	29·35	+·18	34	33	−5	S	4	oq	4	bc,shq	≡	43	32	0·09
	Belmullet ...	29·38	39	WSW	4	chpq	29·23	−·08	36	36	−8	S	8	oq	≡	bc,hpq	≡	45	33	0·46
	Donaghadee ...	29·38	38	WSW	5	c	29·52	+·24	33	33	−3	SW	4	bc	2	hp,c	≡	46	31	0·01
	Liverpool (Bidston)	29·43	41	WSW	1	bc	29·62	+·24	39	35	−1	WSW	4	bc	4	bc,r	≡	45	36	—
	Holyhead ...	29·42	42	SW	3	b	29·62	+·23	39	37	−1	SW	4	c	3	bc,b	≡	45	36	0·04
	Parsonstown ...	29·44	38	SE	1	b	29·48	+·08	34	33	−1	SE	2	o	≡	b,rs	5·0	44	31	0·11
	Valencia ...	29·53	40	W	4	bchpq	29·43	−·02	48	44	+5	S	6	oq	6	bc,chpq	5·5	48	36	0·08
	Roche's Point ..	29·49	44	WNW	4	bhp	29·61	+·12	46	43	+7	SSW	6	bc	5	bhp	≡	47	35	0·05
	Pembroke (St. Ann's Hd.)	29·47	44	NW	4	bc	29·74	+·25	43	41	−1	W	5	b	5	bc	0·4	45	40	—
	Scilly	29·49	44	NW	4	cp	29·83	+·24	46	43	+1	SW	4	c	5	ou,r,cp	0·0	47	41	0·24
	Prawle Point ...	29·47	40	WNW	3	r	29·86	+·25	41	38	−3	WNW	4	bc	3	r	≡	47	36	0·49
	Jersey (St. Aubin's)	29·53	48	SSW	4	orgm	29·94	+·21	46	42	+2	WNW	5	bcpq	4	o,orgm	≡	49	42	0·27
	Hurst Castle ...	29·50	43	WSW	3	rm	29·82	+·21	41	39	−4	WSW	4	b	2	rm	≡	48	37	0·62
	Dungeness ...	29·55	43	WSW	4	r	29·75	+·15	38	37	−6	W	5	b	4	c,rhq	≡	49	35	0·35
	North Foreland	29·54	44	SW	4	op	29·72	+·08	39	38	−4	W	5	b	4	bc,op	≡	49	36	0·75
	London (Brixton) ...	29·52	42	S	2	or	29·76	+·19	36	35	−5	WNW	1	b	≡	c,or,b	3·8	50	33	0·37
	Oxford	29·49	41	SW	2	r	29·74	+·19	35	34	−4	WSW	2	b	≡	p,b	≡	47	34	0·06
	Cambridge ...	29·50	41	SW	1	c	29·71	+·19	37	35	−3	WSW	3	b	≡	c	5·8	50	33	0·06
	Yarmouth ...	29·49	44	S	3	bc	29·65	+·15	38	37	−4	W	4	bcm	3	bc,r	≡	48	35	0·25
Germany & Holland.	Cuxhaven ...	29·56	43	S	3	o	29·56	−·07	36	36	+1	S	2	o	≡	o,r	≡	45	35	0·04
	Berlin	29·69	45	SSW	3	o	29·73	−·18	36	35	+1	SE	2	b	≡	o	≡	48	34	0·04
	Wiesbaden ...	≡	≡	≡	≡	≡	29·68	−·16	38	37	−3	SW	2	o	≡	≡	≡	50	36	—
	Munich... ..	29·86	46	W	5	r	29·67	−·26	37	37	−7	E	4	bc	≡	r	≡	48	34	0·08
	The Helder ...	29·55	41	SW	3	b	29·55	·00	36	35	−6	W	2	s	1	b	≡	45	36	0·43
Belgium.	Brussels ...	≡	≡	≡	≡	≡	29·71	+·02	38	37	−6	W	6	r	≡	o	≡	50	37	0·16
	Cape Gris Nez...	29·62	43	W	5	r	29·66	·00	40	38	−4	NW	5	c	5	r	≡	47	37	0·43
	Paris	29·73	48	SW	2	o	29·80	+·03	42	39	−3	NW	4	c	≡	o	≡	54	31	0·08
	Brest	29·63	44	S	4	r	29·95	+·16	49	44	−1	W	3	c	4	r	≡	50	36	0·67
	Lorient... ...	29·62	41	WSW	6	r	29·97	+·15	46	43	+1	WNW	5	bc	6	r	≡	52	41	0·43
France &	Rochefort ...	29·62	47	SSW	5	r	29·98	+·05	49	45	0	NW	6	bc	≡	o,r	≡	54	45	0·35
	Belfort														≡		≡			
	Lyons	30·26	46	SSE	1	o	29·78	−·19	42	39	−2	WNW	6	c	≡	o	≡	57	40	0·08
	Nice	29·91	48	NE	3	b	29·73	−·31	41	41	−6	E	2	c	2	b	≡	55	41	0·12
	Perpignan ...	29·85	43	SW	5	o	29·66	−·28	37	37	−6	E	1	r	≡	o	≡	53	34	0·24
	Biarritz ...																≡			
Peninsula.	Corunna ...																≡			
	Lisbon	30·32	57	WSW	5	r	30·41	+·07	56	55	+2	SW	3	r	≡	r	≡	59	54	0·16
	Azores (P. Delgada)	30·44	59	WNW	3	bc	30·41	+·02	60	58	0	W	4	c	4	bc	≡	64	57	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 8·7 hrs; Brighton 4·8 hrs; Eastbourne 3·8 hrs; Hastings 4·0 hrs;

WEATHER CHARTS

FOR Tuesday, 2nd March 1897.

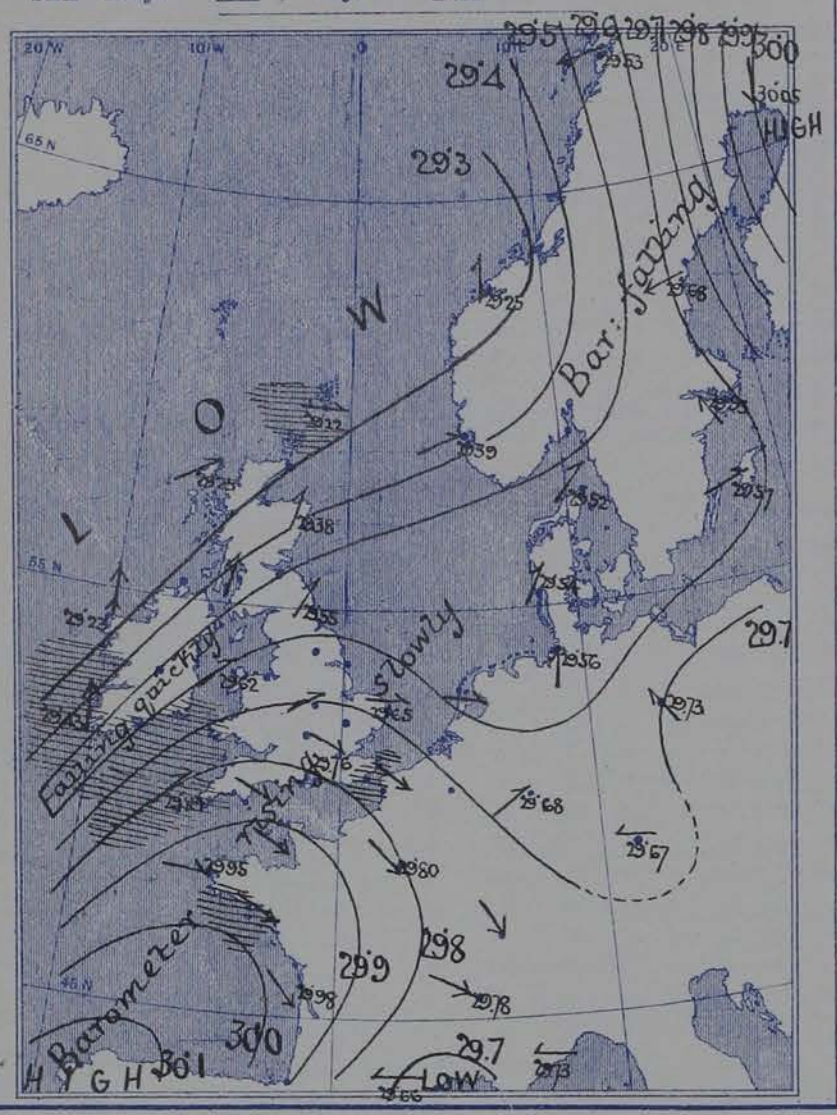
BAROMETER, WIND AND SEA.

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

WIND—Arrows shew 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 MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 · 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 · 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* 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 Portugal ; 30.0 ins. and upwards in Lapland

Lowest 29.3 ins. and less in two depressions, - one lying to the northward, and the other to the westward of our islands.

Gradients slight generally, but rather steep over Ireland & also over the north of Scandinavia

Barometer rising over Great Britain, but falling in most other parts of our area, - briskly in the west of Ireland.

TEMPERATURE

Highest 56° at Lisbon, 49° at Rochefort, 48° at Valencea, [illegible], 44° at Brest & 46° at Roche's Point, Scilly & Jersey

Lowest (1) 6° at Haparanda, 22° at Bodö, 28° at Hernösand; (2) 32° at Stornoway & Navan and 33° at Donaghadee

Frost occurred last night in many parts of the United Kingdom; at Loughborough the thermometer on the grass fell to 23°.

WIND

Strong from the S.W. in Ireland, with a gale at Belmullet; light to moderate from the S.W. or W.N.W. over Great Britain and also over the Netherlands, Denmark & the south of Scandinavia; E. over the northern parts of Scandinavia.

Fresh from the N.W. over the greater part of France, but variable in the south of that country & also in Germany.

WEATHER

Fine over the greater part of our islands & France, but dull on our extreme western & northern coasts, with snow showers at Dunbeath Head.

Dull in most parts of Scandinavia, Denmark & the Netherlands, with snow in the south of Sweden, as well as at the Helder & rain at Brussels.

Rain, hail or sleet fell yesterday over Western Europe generally, the largest amounts being 0.8 in. at the North Foreland, 0.7 in. at Brest & 0.6 in. at Hurst Castle. A solar halo was seen at Jersey & a parhelion at Oxford. Lightning was seen at night at Stornoway, and an aurora at Kiel.

SEA

Rough or rather so on our south west coasts generally, as well as at Cape Finisterre & Dunbeath Hd., but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression which has appeared off our western coasts seems likely to move northwards or northeastwards. Increasing Southerly & Southwesterly winds are probable in the west and north generally.

FORECASTS

For the 24 hours ending at NOON on 3rd MARCH 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	S.W. winds, increasing in force, fine at first, some rain later	▼ 6 SCOTLAND WEST	S.W. winds, increasing to a gale; squally, some rain.
▼ 1 SCOTLAND EAST		7 ENGLAND N.W.	S. and S.W. winds, freshening considerably; - fair at first, some rain later.
2 ENGLAND N.E.	Same as No. 5.	8 ENGLAND S.W.	
3 ENGLAND EAST		▼ 9 IRELAND NORTH	S.W. to S.W. strong winds and gales; squally, rain at times.
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	
5 ENGLAND SOUTH	S.W. winds, freshening; fine at first, cloudy later, possibly some rain.	WARNINGS	At 10 am to day to districts 0, 1, 6, 9 and 10 "HOIST SOUTH 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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.30	41	39	SE	8	r	5
Sumburgh Head	28.98	44	41	SSW	2	bc	6
Stornoway	29.05	42	39	NW	3	b	3
Aberdeen	29.12	44	39	SSW	3	c	3
Shields	29.28	46	41	SW	3	c	2
Ardrossan	29.25	39	38	SW	4	cpq	4
Malin Head ...	29.23	43	40	W	6	bc	6
Belmullet	29.37	40	38	W	5	capth	*
Holyhead	29.41	45	42	SW	5	bc	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.46	44	40	WNW	5	cq	6
Scilly	29.48	44	44	SSW	1	r	7
Jersey	29.64	48	46	SW	4	o	3
Hurst Castle ...	29.57	46	44	SW	4	rm	2
Dungeness ...	29.58	46	44	SW	6	c	4
North Foreland	29.58	46	44	SW	5	bc	4
London (Westminster)	29.53	49	45	WSW	2	o	*
Yarmouth ...	29.50	48	43	WSW	4	bc	3
Rochefort ...	29.90	51	49	WNW	5	o	*

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

Continental information will appear tomorrow.

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, 3rd March, 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.99	7	E	2	b	29.97	-.08	5	4	-1	ME	2	b	8	b	*	9	-17	-
	Hernösand ...	29.67	27	E	6	S	29.68	00	21	21	-7	ME	4	S	*	S	*	30	21	0.55
	Stockholm ...	29.66	35	N	0	0	29.61	+.08	34	33	0	ESE	2	0	*	0	*	37	28	0.16
	Wisby	29.71	33	W	4	0	29.63	+.06	35	35	+1	SSE	4	r	*	0	*	37	28	0.24
	Karlstad ...	29.61	34	S	2	0	29.55	+.06	33	32	-2	SE	2	f	*	0, r	*	*	*	-
	Bodö	29.60	23	ESE	8	bc	29.66	+.13	21	18	-1	ESE	8	bc	3	bc	*	23	18	-
	Christiansund ...	29.45	38	SE	3	b	29.27	+.02	36	31	-4	ESE	4	b	4	b	*	44	34	-
	Skudesnaes ...	29.48	40	SSE	6	bc	29.15	-.24	38	35	-1	JE	8	0	5	bc	*	43	34	*
	Færder (Christiania Fjord)	29.57	37	SW	3	b	29.48	+.03	33	32	-4	ESE	4	0	3	b	*	39	32	-
	Skagen (The Scaw)	29.63	34	N	0	f	29.44	-.08	34	33	-1	SE	2	m	0	f	*	37	32	-
	Fanö	29.62	33	SSW	2	m	29.21	-.33	35	34	-1	SE	6	c	*	m	*	39	32	0.04
British Isles.	Sumburgh Head	29.17	38	S	4	0	28.75	-.47	38	36	0	S	3	0	7	b, o	*	42	37	0.21
	Stornoway ...	28.79	38	SSE	8	0	28.71	-.54	37	36	+5	NW	3	0	3	bl sp	0.4	40	31	0.14
	Wick	28.96	36	S	7	0	28.72	-.55	37	36	+3	S	2	0	3	ors	*	41	34	0.05
	Nairn	28.86	36	SSE	4	r	28.76	-.5	31	30	-1	SSE	1	ors	1	r	*	41	26	0.05
	Aberdeen ...	29.05	36	SE	9	ogqrs	28.73	-.65	33	31	-3	NNW	3	og	4	bc, qrs	3.3	40	33	0.27
	Leith	28.97	40	SW	6	0	28.73	-.73	35	33	0	N	3	c	*	0	*	41	31	0.01
	Shields	29.22	43	SE	5	0	28.60	-.95	38	38	-1	N	4	r	4	0	*	45	33	0.17
	Spurn Head ...	29.39	43	SSE	5	0	28.52	-1.09	41	41	+4	SSW	5	0	4	o, r	*	47	37	0.15
	York	29.35	44	S	4	0	28.54	-1.05	36	35	+1	WNW	2	r	*	0	?	46	33	0.47
	Loughborough ...	29.42	44	SW	5	0	28.59	-1.08	36	35	+1	W	4	ors q	*	bc, o q r	*	47	35	0.30
	Ardrossan ...	28.97	39	S	4	b	28.80	-.065	39	36	0	NNW	3	b	2	o. h p. b	*	43	31	0.13
	Malin Head ...	28.92	38	S	3	c	28.88	-.47	41	36	+7	NW	5	0	8	r s q, c	*	40	32	0.10
	Belmullet ...	28.99	42	SW	3	bc	28.98	-.25	38	36	+2	NSW	3	o h p	*	or, bc	*	44	30	1.00
	Donaghadee ...	29.02	38	WSW	5	c	28.87	-.65	39	37	+6	WNW	4	c	3	r, c	*	44	32	0.22
	Liverpool (Bidston)	29.21	43	SSE	3	c	28.70	-.92	40	38	+1	NW	4	0	5	p	*	46	37	0.25
	Holyhead ...	29.13	44	SSW	8	g r q m	28.84	-.78	41	39	+2	NW	8	o q u	7	o q, q m	*	45	37	1.06
	Parsonstown ... †	29.02	40	SE	1	c	29.08	-.40	32	31	-2	N	0	0	*	or, s	0.0	46	31	0.93
	Valencia ...	28.98	46	SSE	2	g r														
	Roche's Point .. †	29.05	45	SW	5	r	29.16	-.45	40	38	-6	NNW	4	bc	5	r h q	*	48	36	1.15
	Pembroke (St. Ann's Hd.)	29.05	45	SW	7	r	29.02	-.72	39	36	-4	NW	8	0	7	c, r	1.3	46	35	0.67
	Scilly	29.16	51	SSW	7	r	29.24	-.59	42	39	-4	NNW	9	c q	7	r	0.0	51	35	0.63
	Prawle Point ..																*			
	Jersey (St. Aubin's)	29.65	49	SSW	5	g r m											*			
	Hurst Castle ...	29.57	46	SSW	7	r	29.92	-.90	42	40	+1	WSW	8	bc q r	6	o, r q	*	48	39	0.66
	Dungeness ...	29.67	45	SSW	5	0	28.83	-.92	44	41	+6	SW	9	c	6	o. q	*	48	38	0.24
	North Foreland	29.69	44	S	4	0	28.85	-.87	44	41	+5	SW	7	bc q	6	bc, or	*	48	36	0.40
	London (Brixton) ...	29.60	48	SSW	7	o p	28.80	-.96	42	38	+6	WSW	7	c q	*	b, o q r	5.0	50	36	0.57
	Oxford	29.25	42	SSW	7	r q	28.71	-1.09	40	37	+5	WSW	7	o q	*	c, r q	*	49	35	0.49
	Cambridge ...	29.55	44	S	4	0	28.65	-1.06	41	39	+4	SW	8	r	*	b, or	7.6	50	35	0.30
	Yarmouth ...	29.61	43	S	4	bc	28.69	-0.96	42	39	+4	SW	7	c q q	5	bc, r	*	46	36	0.44
Germany & Holland.	Cuxhaven ...	29.68	36	NW	3	0	29.22	-.34	35	35	-1	S	5	o s	*	or	*	43	32	0.20
	Berlin	29.73	43	SW	3	0	29.58	-.15	34	33	-2	SE	3	b	*	0	*	46	32	-
	Wiesbaden ...	*	*	*	*	*	29.41	-.27	36	35	-2	SE	3	r	*	*	*	45	34	0.12
	Munich	30.04	36	W	5	b	29.62	-.05	33	31	-4	E	3	c	*	b	*	46	30	0.04
	The Helder ...	29.69	38	SSW	2	bc	28.89	-.66	43	41	+7	SSW	8	0	2	bc	*	43	36	0.39
Belgium.	Brussels ...	*	*	*	*	*	29.12	-.59	42	39	+4	SW	7	b	*	0	*	47	37	0.20
	Cape Gris Nez ...																*			
	Paris	29.91	47	S	4	0	29.34	-.46	45	39	+3	WSW	5	b	*	0	*	51	42	0.08
	Brest	29.45	49	S	6	r	29.36	-.59	45	44	-2	W	6	r	7	r	*	50	43	0.47
	Lorient																*			
France &	Rochefort ...	29.90	51	SSW	5	0	29.66	-.32	46	45	-3	NNW	9	0	*	bc, o	*	55	43	0.08
	Belfort	30.06	40	WSW	4	c	29.53		44	41		WSW	6	r	*	c	*	44	32	0.20
	Lyons	30.17	42	E	1	b	29.74	-.04	42	37	0	S	1	b	*	b	*	53	38	-
	Nice	29.89	48	S	2	bc	29.79	+.06	47	38	+6	N	0	c	3	bc	*	57	41	-
	Perpignan ...	30.15	53	W	2	bc	29.85	+.19	38	37	+1	SW	2	c	*	bc	*	60	37	-
	Biarritz ...	30.02	57	ESE	3	0											*			
Peninsula.	Corunna ...																*			
	Lisbon														*		*			
	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 ... hrs; Brighton 5.9 hrs; Eastbourne 6.2 hrs; Hastings 6.0 hrs;

WEATHER CHARTS

FOR Wednesday 3rd March 1897.

BAROMETER, WIND AND SEA.

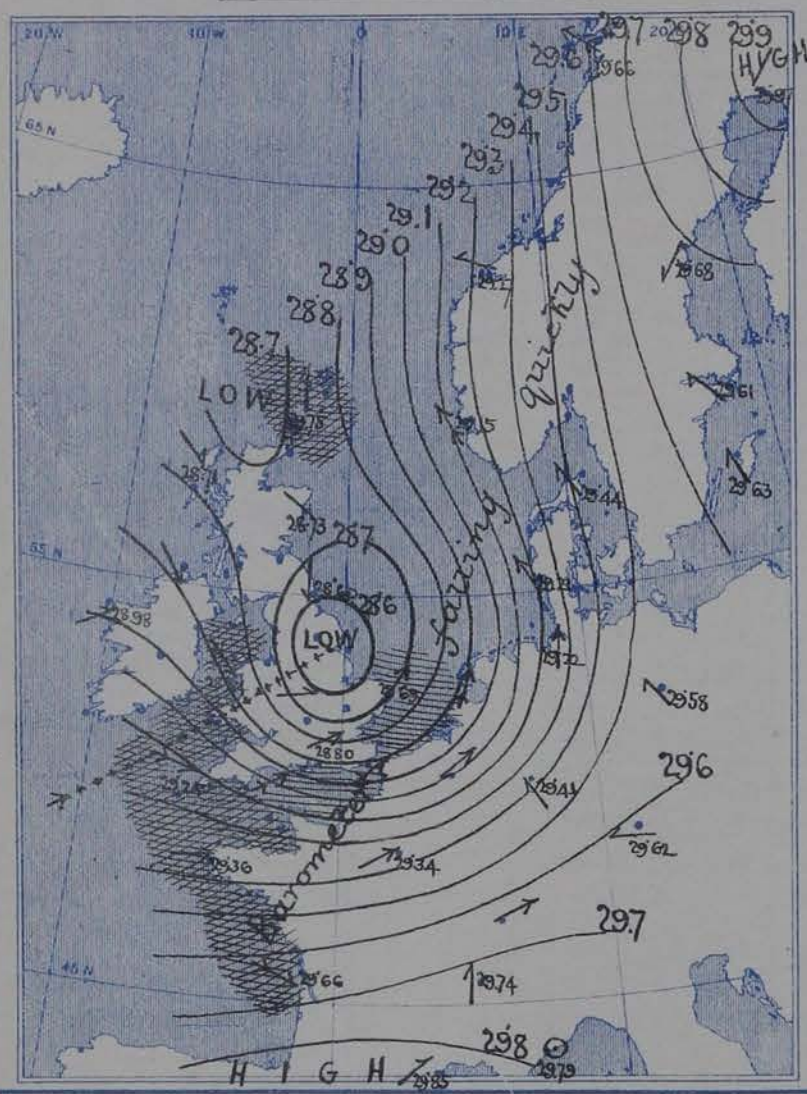
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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* ▨

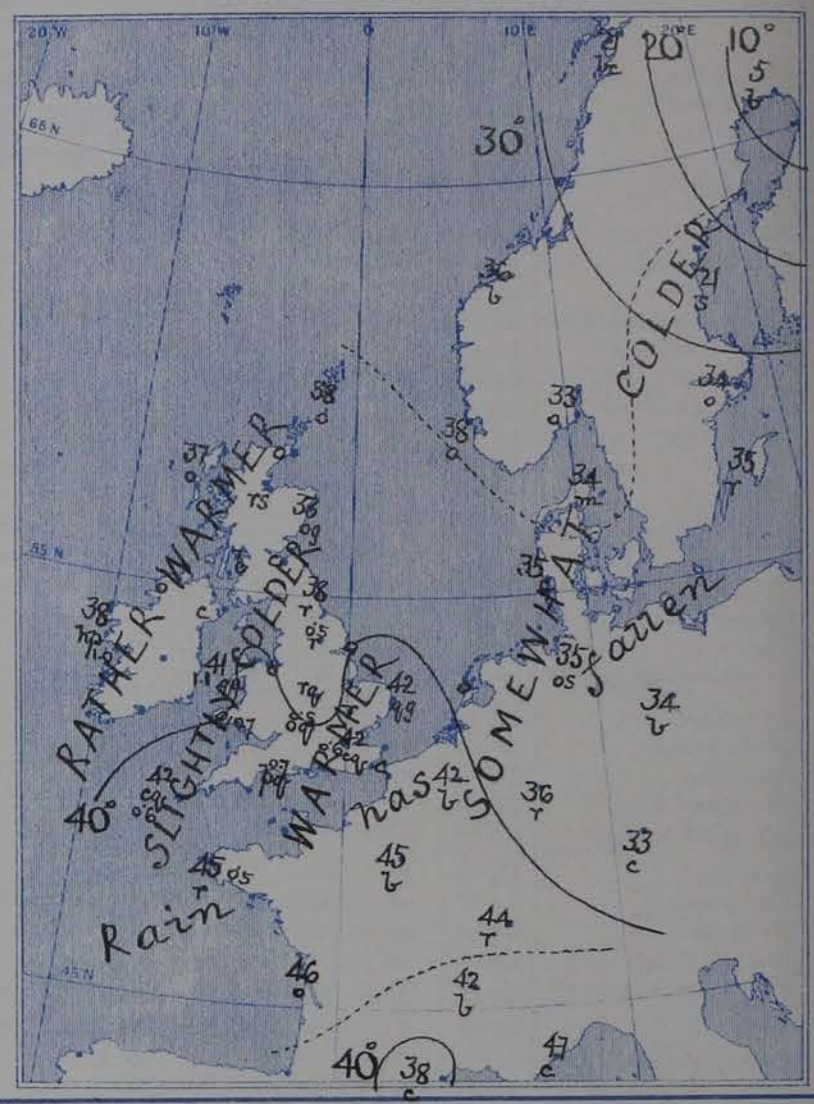


TEMPERATURE & WEATHER.

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 MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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 in Lapland; 29·8 in: and upwards in the extreme south of France.
Lowest, 28·6 in: and less, in a deep depression over the northeastern parts of England; 28·7 in: and less, in a shallow system off the north of Scotland.
Gradients steep over the North Sea, England, and all the neighbouring parts of the Continent, moderate or slight elsewhere.
Barometer rising apparently on our western coasts, but reports from the south of Ireland not yet to hand; falling in all other parts of our area.

TEMPERATURE

Highest, 47° at Nice, 46° at Rochefort, 45° at Brest and Paris, and 44° at Dunkerque, the North Foreland, and Belfast.
Lowest, 5° at Haparanda, 21° at Bodö and Hernösand, and 33° at Karlstad, Lerwick and Hemwick; lowest in our Islands 31° at Nairn and 33° at Aberdeen.
During yesterday the thermometer rose to 45° and upwards at most of the English stations, to 50° in London and at Cambridge, and to 51° at Scilly.

WIND

Blowing a gale from the NW. over the St. Georges and Bristol Channels, from the W. in the Bay of Biscay, from the SW. over the Netherlands and the southeastern parts of England, and from the SE. on the eastern shores of the North Sea.
Light from between W. and S. in Scotland, E. or NE. in Sweden, light from the SE. in Germany; calm or SW. in the southwest of France.

WEATHER

Cloudy or dull over our Islands and their immediate neighbourhood with rain in the north and east of England, hail at Bolmaellet, and sleet at Nairn & Loughborough. Fine at some of the French and German stations, but rainy at Belfast and Wiesbaden, fine in the north of Scandinavia, but dull in the south with rain at Wisby and snow at Hernösand.
Since yesterday heavy rain has fallen in most parts of our Islands and France, the largest amounts being 1·1 in: at Holyhead, 1·0 in: at Bolmaellet, and 0·7 in: at Pembroke and Hurst Castle. Solar halos were seen yesterday at Jersey and Oxford.

SEA

High on our east and southwest coasts and also at Scarborough Head, rough in the Channel and Bay of Biscay.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which was approaching our western coasts yesterday has travelled away to the northward, but in the course of the night a deep secondary system has advanced quickly across Ireland and England. The reports from the south of Ireland are all warning but the barometer in the west appears to be still very unsteady.

FORECASTS

For the 24 hours ending at NOON on 4th MARCH, 1897.

DISTRICTS.	FORECASTS.
1 SCOTLAND NORTH	W. and NW. winds, backing later; unsettled, some rain or sleet.
2 SCOTLAND EAST	
3 ENGLAND N.E.	Same as No. 5.
ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	W. gales and strong winds, moderating and backing later; squally, showery.
6 SCOTLAND WEST	Same as Nos 0 and 1.
7 ENGLAND N.W.	NW. gales and strong winds, moderating and backing later; squally, showery.
8 ENGLAND S.W.	
9 IRELAND NORTH	Wind backing to the SW. or S.; unsettled, some rain.
10 IRELAND SOUTH	
WARNINGS	At Noon yesterday to districts 7 and 8, and at 7·10 pm to districts 2, 3, and 5. "Hoist South Cone". The signals are still flying on all coasts.

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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·89	42	40	SSW	4	bc	4
Sumburgh Head	29·27	41	37	SSW	2	b	6
Stornoway	29·03	40	36	S	8	o	8
Aberdeen	29·33	38	35	S	4	o gqv	3
Shields	29·42	44	39	SW	3	d	2
Ardrossan	29·20	42	42	SSE	4	o	4
Malin Head ...	28·98	35	35	S	4	r	5
Belmullet	29·06	43	41	W	5	bc	*
Holyhead	29·38	45	42	S	8	oqmu	7

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·17	50	47	SW	5	o	6
Scilly	29·55	47	46	SSW	6	T	5
Jersey	29·85	49	47	S	4	o	3
Hurst Castle ...	29·77	46	43	SSW	5	o u	3
Dungeness ...	29·78	45	41	WSW	5	o	4
North Foreland	29·77	47	42	SW	4	bc	3
London (Westminster)	29·75	49	42	SSW	3	o	*
Yarmouth ...	29·69	46	45	WNW	4	bc	3
Rochefort ...	30·09	54	50	WNW	5	bc	*

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

Continental Information not received.

General Remarks on the Weather over Europe for the 24 hours ended at 8 am on March 2nd 1897.

Weather in morning fair or fine over the greater part of the United Kingdom, as well as in the western and northern parts of Scandinavia, and at several of the German and south Russian stations. Cloudy or dull elsewhere, with rain in several parts of France and northern Italy, and with snow at Archangel and St Petersburg. Rain hail or sleet falling later over Western Europe generally, - heavily over the south of England and the neighbouring parts of the Continent. Lightning seen at Stornoway at night and an Aurora at Wick

Temperature rises in the north and east of Great Britain, as well as in many parts of France and Southern Europe, falls elsewhere - Morning readings highest 61° at Biskra, 57° at Algiers, 55° at Malta, and 54° at Lisbon and Sfax. Lowest -9° at Ukaby, -5° at Haparanda, +3° at Archangel and 12° at Kuopio; below the freezing point in many parts of Sweden and Russia, and very little above it over Central Ireland. Daily maxima below 45° at some of our own northern stations, but thermometer reaching 50° at one or two places in the south of England, reaching 55° or more in the south of France. Frost occurring in many parts of the United Kingdom at night.

Wind moderate to fresh from the W^d or SW^d over the greater part of Ireland England, France, and the Spanish Peninsula; light from the S^th on the north east coast of Great Britain, moderate to strong from the SE^d over Norway, Denmark and Germany. Variable over Sweden and Northern Russia, NW^d in the south of Russia; variable in Italy. Subsequently veering to the NW^d on our own south west coasts; no important change occurring elsewhere.

Barometer highest 30·3 in: and upwards, over the southern part of the Spanish Peninsula; 30·1 in: and upwards over a considerable portion of southern and eastern Europe, 30·0 in: and upwards in Lapland. Lowest 29·0 in: and less, in a depression lying off the north of Scotland; 28·7 in: and less, in a shallow area over northern Russia. Scotch depression subsequently moving away to the north eastwards, but shallow secondary system advancing eastwards across the south of England 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.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 4th March, 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.98	14	E	2	S	30.03	+.06	7	6	+ 2	ESE	2	b	≈	S	≈	16	-11	0.04
	Hernösand ...	29.73	23	NE	6	S	29.80	+.12	18	17	- 3	NE	4	o	≈	S	≈	28	18	0 20
	Stockholm ...	29.54	33	S	2	r	29.52	-.09	31	30	- 3	E	8	3	≈	r	≈	37	30	0.12
	Wisby	29.50	33	SSE	4	S	29.45	-.18	33	33	- 2	SSE	4	o	≈	S	≈	37	28	0.04
	Karlstad ...	29.42	35	ENE	4	o	29.33	-.22	34	32	+ 1	E	6	o	≈	S.o	≈	≈	≈	-
	Bodö	29.68	20	E	8	b	29.69	+.03	23	21	+ 2	E	7	b	2	b	≈	?	18	-
	Christiansund ...	29.21	40	SE	1	c	29.25	-.02	40	35	+ 4	SE	4	c	3	c	≈	43	36	-
	Skudesnaes ...	29.00	40	ESE	8	bc	29.14	-.01	40	36	+ 2	ESE	4	o	4	o,bc	≈	44	34	≈
	Færder (Christiania Fjord)	29.27	37	ESE	5	o	29.21	-.27	35	34	+ 2	ENE	4	o	4	o	≈	37	33	0.20
	Skagen (The Scaw)	29.15	35	SE	8	r	29.06	-.38	35	35	+ 1	ESE	4	r	1	r	≈	37	32	0.24
	Fanö	28.86	37	SE	6	c	28.98	-.23	35	34	0	W	6	o	≈	c	≈	39	34	0.39
British Islands.	Sumburgh Head	28.85	38	SSE	1	b	29.09	+.34	37	34	- 1	N	1	b	5	o.bc	≈	41	35	0.07
	Stornoway ...	29.02	41	NW	5	bc	28.95	+.24	38	36	+ 1	SSE	4	o	4	hp.bc	7.0	44	31	0.03
	Wick	28.88	40	NW	4	bc	29.05	+.33	37	36	0	S	3	bc	2	bc	≈	47	32	-
	Nairn	28.99	38	NNW	1	b	29.05	+.29	34	32	+ 3	Z	0	o	1	b	≈	45	31	-
	Aberdeen ...	28.92	40	NW	6	cgj	29.14	+.41	36	34	+ 3	S	1	om	3	cgj	0.2	43	31	-
	Leith	29.02	42	W	3	b	29.10	+.37	36	34	+ 1	ESE	2	o	≈	b	≈	48	33	
	Shields	28.96	42	W	4	o	29.19	+.59	37	35	- 1	SSE	3	o	3	c,o	≈	43	34	-
	Spurn Head ...	29.01	42	W	6	o	29.32	+.80	38	37	- 3	S	4	cgj	4	o	≈	43	35	0.10
	York	29.05	41	W	4	c	29.27	+.73	36	35	0	S	2	o	≈	c	?	44	34	0.04
	Loughborough ...	29.18	40	W	4	c	29.38	+.79	35	34	- 1	S	3	o	≈	r.cgj.bc	≈	45	35	0.03
	Ardrossan ...	29.08	41	WSW	4	b	28.90	+.10	36	36	- 3	ESE	6	rs	4	bc.b	≈	46	36	0.04
	Malin Head ...	29.17	39	NW	6	c	28.95	-.13	38	37	- 3	S	5	cgj	3	rh.qj.sq	≈	43	32	0.07
	Belmullet ...	29.35	41	WNW	5	cph	28.78	-.20	42	39	+ 4	WSW	5	c	≈	rsp.hp	≈	44	33	0.70
	Donaghadee ...	29.19	39	WNW	5	c	28.87	.00	41	41	+ 2	SSW	8	r	c	c	≈	46	33	c.31
	Liverpool (Bidston)	29.17	39	S	5	o	29.16	+.46	38	36	- 2	SSE	4	r	?	o	≈	43	36	0.01
	Holyhead ...	29.21	37	SW	6	chrs	29.02	+.18	41	40	o	SW	6	c	5	bc.hrs.l	≈	44	35	0.32
	Parsonstown ...	29.22	36	W	1	b	28.92	-.16	37	35	+ 5	S	3	c.rh	≈	b.rs	3.1	41	31	0.30
	Valencia ...	29.59	42	NNW	8	ogrhp	28.98	-.21	41	39	- 2	WSW	8	ogrhpc	7	o.klhp	0.5	45	35	0.44
	Roche's Point ..	29.49	40	NNW	5	bc	29.05	-.11	43	41	+ 3	W	6	bc	5	bc.gj	≈	44	37	0.20
	Pembroke (St. Ann's Hd.)	29.30	43	NNW	8	c	29.16	+.44	44	42	+ 5	W	7	cgj	7	c	2.8	45	36	0.30
	Scilly	29.60	45	NNW	9	cgj	29.36	+.12	47	46	+ 5	SW	7	c	8	c.el	1.4	47	35	0.34
	Prawle Point ...																≈			
	Jersey (St. Aubin's)																≈			
	Hurst Castle ...	29.44	44	W	6	cp	29.52	+.60	46	44	+ 4	SSW	5	ow	3	c.cp	≈	49	35	
	Dungeness ...	29.27	42	WSW	6	c	29.61	+.78	42	39	- 2	W	5	c	5	orgj.c	≈	45	36	0.04
	North Foreland	29.23	41	W	6	o	29.59	+.74	36	35	- 8	W	5	b	4	o	≈	45	34	0.05
	London (Brixton) ...	29.28	41	NW	4	c	29.53	+.73	41	37	- 1	S	3	o	≈	ogp.bv	0.0	43	35	0.10
	Oxford	29.34	40	W	5	c	29.44	+.73	37	35	- 3	S	3	o	≈	cp.cg	≈	43	34	0.16
	Cambridge ...	29.22	40	W	4	b	29.50	+.85	35	34	- 6	SW	2	o	≈	o.b	0.0	44	32	0.11
	Yarmouth ...	29.06	40	NNW	7	cgj	29.46	+.77	37	35	- 5	WSW	4	b	3	orgj.cg	≈	42	33	0.10
Germany & Holland.	Cuxhaven ...	29.02	41	S	5	o	29.20	-.02	39	39	+ 4	W	5	o	≈	s.hr	≈	39	34	0.67
	Berlin	29.33	34	SW	3	b	29.50	-.08	38	35	+ 4	SW	2	c	≈	b	≈	45	34	0.08
	Wiesbaden ...	*	*	*	*	*	29.67	+.26	38	36	+ 2	SW	3	c	≈	*	≈	48	36	0.12
	Munich... ..	29.63	38	W	1	o	29.80	+.18	34	32	+ 1	SW	6	c	≈	o	≈	46	32	0.04
	The Helder ...																≈			
France & Belgium.	Brussels ...	*	*	*	*	*	24.67	+.55	37	35	- 5	WSW	5	b	≈	o	≈	45	32	0.16
	Cape Gris Nez...																≈			
	Paris	29.59	39	SW	5	o	29.87	+.53	37	36	- 8	SW	2	b	≈	o	≈	47	37	0.04
	Brest																≈			
	Lorient... ...	29.73	41	NNW	8	r	29.82		47	46		W	7	r	7	r	≈	?	?	0.08
	Rochefort ...	29.55	46	NNW	9	r	30.02	+.36	48	46	+ 2	W	6	c	≈	o,rtl	≈	55	?	0.32
	Belfort	29.60	39	SW	8	o	29.91	+.38	33	32	- 11	WSW	6	o	≈	o	≈	44	32	0.04
	Lyons	29.90	37	W	1	bc	30.07	+.33	42	37	0	NNW	2	c	≈	bc	≈	51	35	0.04
	Nice	29.62	49	NW	6	bc	29.91	+.12	41	34	- 6	NW	5	b	4	bc	≈	57	39	-
	Perpignan ...	30.02	44	NW	5	b	30.21	+.36	46	40	+ 8	NW	4	bc	≈	b	≈	56	38	-
	Biarritz ... †	30.14	46	W	9	r	30.19		49	48		SW	6	o	7	rtrh	≈	55	46	0.43
Peninsula.	Corunna ...																≈			
	Lisbon														≈		≈			
	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 3.7 hrs; Brighton 1.1 hrs; Eastbourne 0.8 hrs; Hastings 0.4 hrs; Ventnor 1.6 hr.

WEATHER CHARTS

FOR ..... Thursday, 4th March ..... 1897.

BAROMETER, WIND AND SEA.

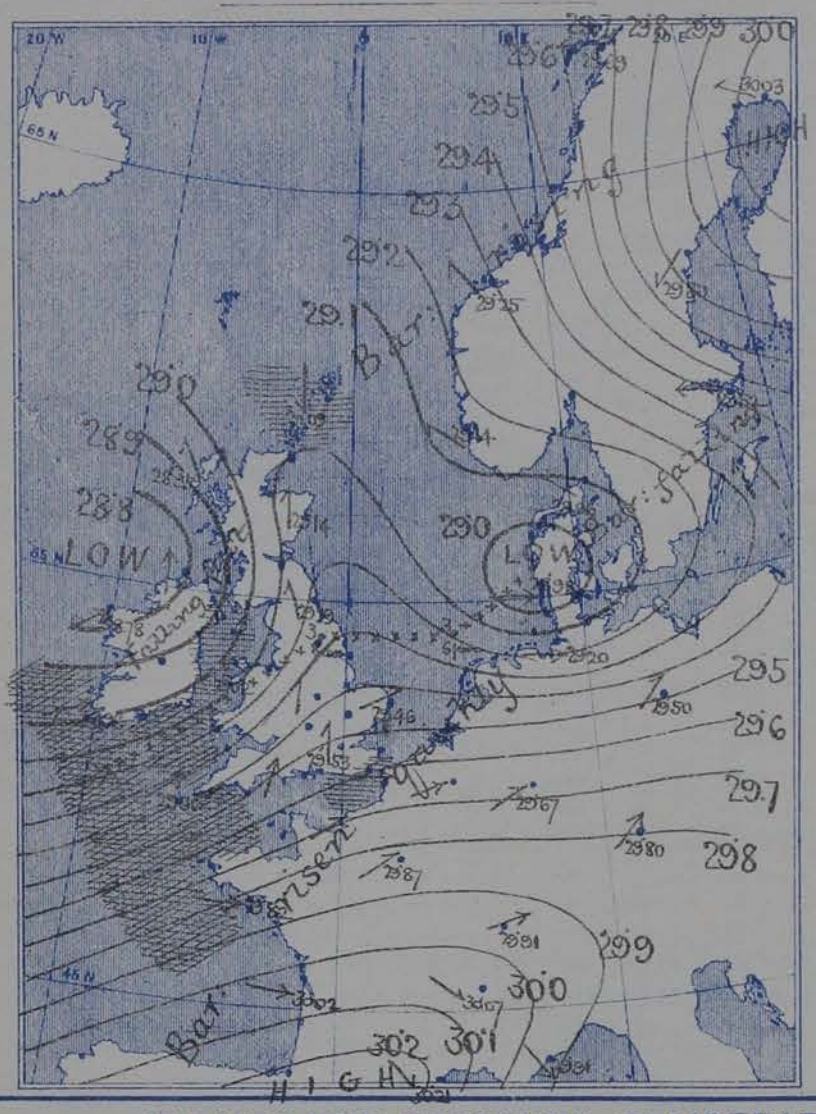
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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* ▨

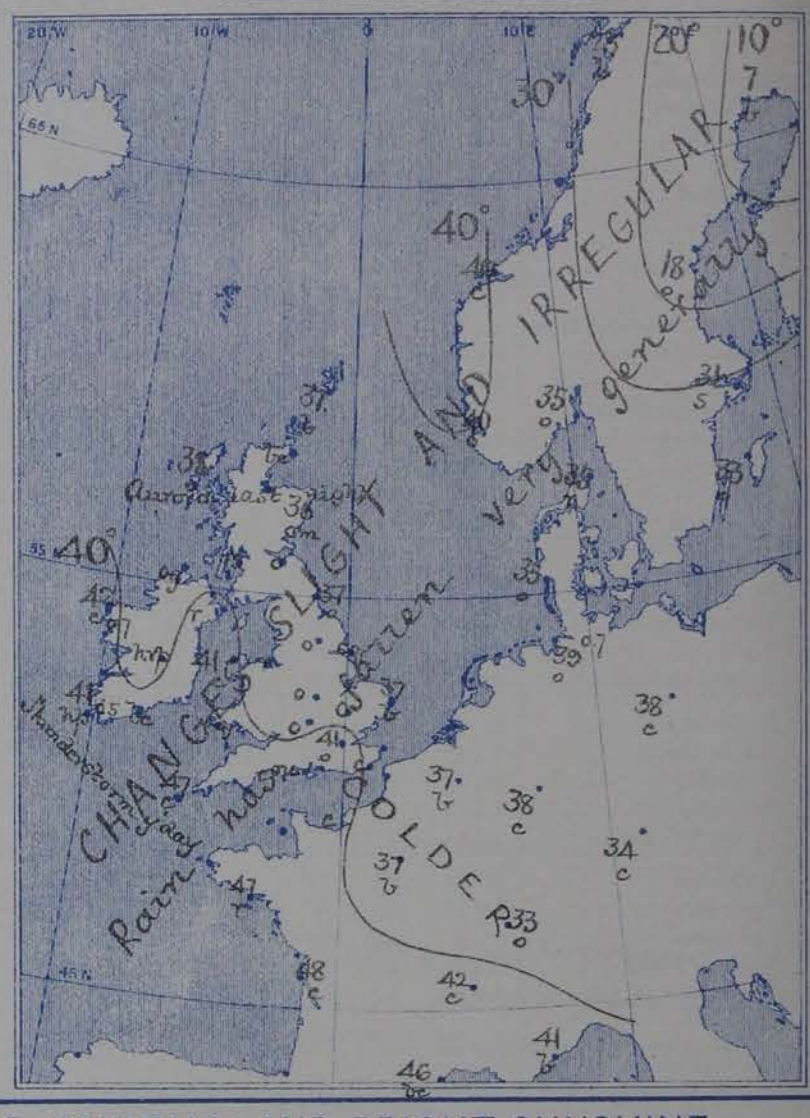


TEMPERATURE & WEATHER.

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 MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means. 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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 30·0 in. over the Spanish Peninsula and the southwest of France; 30·0 in. and more over Finland.
Lowest, Below 29·0 in. in a depression over Denmark and below 28·8 in. in another off the northwest of Ireland.
Gradients very steep, for S. to W. winds over the British Islands generally and the English Channel.
Barometer falling very fast in the northwest of our Islands, and quickly in the south. At Valencia the fall ceased at 6 a.m.

TEMPERATURE

Highest, 48° at Rockefort, 47° at Scilly, 46° at Hunt Castle, 44° at Pembroke.
Lowest, 7° at Haparanda, 31° at Stockholm; 34° at Nairn, 35° to 37° over the northern and midland counties of England.
The changes during the past 24 hours have been very sudden and fitful. At present the thermometer appears to be falling in the west.

WIND

W. and S.W. strong to a gale at our western stations; S. over the eastern and northeastern parts of Great Britain; S.E. at Aberdeen.
At the Danish stations it is W., but in Sweden and Norway E.
The W. gales have been very strong at our southern stations and in Holland.

WEATHER

Very changeable and unsettled generally — squalls of rain and hail (with thunder and lightning on our southwestern and western coasts) alternating with intervals of very clear sky and visibility. An aurora was seen in the north of Scotland last night.
Rain has fallen in all parts of our Islands. Bright Sunshine recorded yesterday was 7 hrs. at Stornoway, 3 hours at Pembroke and Parsonstown, but less than 2 hours elsewhere — none in London or at Cambridge.

SEA

High in the west and southwest; rough on all exposed parts of our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Very rough changeable weather is still probable generally.

FORECASTS

For the 24 hours ending at NOON on 5th MARCH 1897.

DISTRICTS.		FORECASTS.
▼ 0	SCOTLAND NORTH	SW. winds, strong to a gale; squally, rainy, very unsettled.
▼ 1	SCOTLAND EAST	
▼ 2	ENGLAND N.E.	
▼ 3	ENGLAND EAST	
4	MIDLAND COUNTIES	
▼ 5	ENGLAND SOUTH	
▼ 6	SCOTLAND WEST	W. to S. winds, very changeable, showery and unsettled
▼ 7	ENGLAND N.W.	
▼ 8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 10·20 a.m. today to districts 0, 1, and 6 Keep up South Cone. The signals are still flying in districts 2, 3, 5, 7, and 8.

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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·01	40	36	ESE	9	o	6
Sumburgh Head	28·81	39	38	SE	4	o	7
Stornoway	28·89	44	40	NW	4	o	4
Aberdeen	28·80	42	38	NW	5	cq	4
Shields	28·62	41	38	NW	4	c	4
Ardrossan	28·97	46	44	WSW	4	bc	2
Malin Head ...	29·05	40	38	NW	5	c	3
Belmullet	29·21	36	35	NW	4	ors p	*
Holyhead	29·13	43	40	W	6	bc	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·45	41	40	W	9	r h q t l	7
Scilly	29·53	42	39	W	8	c q	7
Jersey							
Hurst Castle ...	29·26	45	40	W	6	c	4
Dungeness ...	29·10	40	37	WSW	10	o r q	7
North Foreland	29·04	39	37	W	7	r	6
London (Westminster)	29·11	42	38	W	5	o	*
Yarmouth ...	28·77	40	38	WNW	7	o q r	4
Rochefort ...	29·81	44	41	WNW	9	o	*

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

Weather in morning very rough and unsettled over the whole of the British Islands and their neighbourhood, the sky being clear in some places, densely overcast in others, with squalls of cold rain, sleet and hail at times; cloudy over Russia and southeastern Europe, fine over the Mediterranean. Further falls of rain occurring later over the British Islands and their neighbourhood, with hail and sleet at the western and southern stations, and thunder and lightning in some localities.

Temperature changing very fitfully over Northwestern Europe. Morning readings highest 61° at Algiers, 58° at Brindisi, 53° at Lisbon, 45° at Brest and Paris. Lowest −3° F. at Archangel, +5° at Haparanda, 13° at Moscow, and much below the freezing point over northern Europe generally. Changes continuing very fitful during the day; slight frost over England at night.

Wind NW[1] fresh to a gale at our western stations, W[1] and SW.[2] a strong gale, in the south and southeast, S.[3] a gale on the Netherlands, and SE.[3] a gale on the Norwegian coasts. Light and variable over the Mediterranean and southeastern Europe. The gale becoming severe in the Channel, the north of France and the Netherlands later, but subsequently veering to NW. and moderating.

Barometer highest, 30·4 in: to 30·0 in: over the Spanish Peninsula and north of Africa, and 30·1 in: and more to 30·0 in: over the north of Russia and Finland. Lowest about 28·7 in: in the north of Scotland, and below 28 6 in: in a well marked depression over Yorkshire and Lincolnshire. Latter disturbance moving eastwards during day, and barometer rising rapidly over the United Kingdom

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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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DAILY WEATHER REPORT

for 8 a.m. on Friday, 5th March, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Change since Yesterday.	Temperature. Dry Bulb.	Wet Bulb.	Change since Yesterday.	Wind. Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·06	2	NE	2	b	30·06	+·03	-6	-7	- 13	NE	2	bc	*	b	*	18	*	-
	Hernösand ...	29·78	20	N	6	S	29·74	-·06	19	18	+ 1	N	4	S	*	S	*	28	16	0·32
	Stockholm ...	29·48	33	SE	6	S	29·64	+·12	36	35	+ 5	SE	2	b	*	S	*	36	30	0·12
	Wisby	29·54	36	SSW	4	b	29·70	+·25	35	34	+ 2	S	4	b	*	b	*	41	28	-
	Karlstad ...	29·31	34	ENE	4	S	29·52	+·19	34	34	0	S	2	0	*	S	*	*	*	0·16
	Bodö	29·71	24	E	7	b	29·73	+·04	21	18	- 2	E	7	b	3	b	*	27	19	-
	Christiansund ...	29·30	38	ESE	4	b	29·33	+·08	34	30	- 6	ESE	4	b	3	b	*	45	34	-
	Skudesnaes ...	29·23	39	SE	6	b	29·16	+·02	39	35	- 1	ESE	6	0	0	c, b	*	41	36	*
	Færder (Christiania Fjord)	29·27	35	NNE	3	0	29·39	+·18	33	33	- 2	NE	4	S	3	0	*	36	!	0·24
	Skagen (The Scaw)	29·31	36	W	2	0	29·36	+·30	35	34	0	S	3	0	0	0	*	36	34	0·32
	Fanö	29·29	38	S	6	0	29·29	+·31	38	38	+ 3	SW	6	c	*	0	*	43	34	0·20
	Sumburgh Head	29·00	40	NE	3	0	29·00	-·09	40	39	+ 3	E	4	0	7	b, 0	*	44	35	0·09
	Stornoway ...	28·71	37	SSE	4	r	28·93	-·02	36	35	- 2	NW	2	0	2	p. r	0·0	39	32	0·10
	Wick	28·81	39	SE	7	r	28·89	-·16	38	37	+ 1	E	2	0	6	r	*	41	37	0·10
	Nairn	28·75	35	E	1	c	28·91	-·14	33	31	- 1	NNW	1	S	1	c	*	41	27	0·04
	Aberdeen ...	28·82	40	SSE	5	ogju	28·93	-·21	35	34	- 1	NNW	3	e	4	grs, 0, rs	0·2	41	34	0·23
	Leith	28·79	40	SW	2	0	28·93	-·17	35	34	- 1	NSW	2	bm	*	0	*	44	32	0·04
	Shields	28·83	40	S	4	bcm	29·00	-·19	38	37	+ 1	NSW	2	c	2	rs, bcm	*	45	34	0·08
	Spurn Head ...	28·92	42	SSW	6	c	29·10	-·22	40	39	+ 2	SW	5	0	4	c p	*	46	37	0·11
	York	28·91	40	S	2	cp	29·06	-·21	40	37	+ 4	SW	2	0	*	c	2·3	46	34	0·13
	Loughborough ...	29·01	41	SW	5	c	29·16	-·22	37	35	+ 2	SW	5	bcq	*	qp, bcq	*	48	35	0·17
British Isles.	Ardrossan ...	28·74	40	SSE	3	cqprsh	28·94	+·04	35	35	- 1	NNE	1	bcf	1	qprsh	*	43	32	0·07
	Malin Head ...	28·68	38	S	4	cp	28·94	+·19	42	41	+ 4	NW	4	bcq	3	c, p. r	*	44	33	0·40
	Belmullet ...	28·90	42	W	8	oqpl	29·07	+·29	43	42	+ 1	NNW	7	0	*	qrs. pl	*	44	39	0·35
	Donaghadee ...	28·77	39	WSW	4	c	28·98	+·11	37	37	- 4	W	5	0	3	c	*	41	33	0·43
	Liverpool (Bidston)	28·90	41	WSW	6	r	29·11	-·05	40	37	+ 2	WSW	4	0	5	r	*	45	37	0·11
	Holyhead ...	28·89	42	NNW	7	cqrpth	29·10	+·08	41	39	0	SW	5	c	4	cqpr th	*	45	38	0·01
	Parsonstown ...	29·01	37	W	3	r	29·18	+·26	39	37	+ 2	W	2	op	*	c, rsp	2·3	41	34	0·22
	Valencia ...	29·20	45	W	8	oqpth	29·33	+·35	45	42	+ 4	W	7	cqf	6	qhrsp	0·4	46	34	0·20
	Roche's Point ..	29·16	40	NNW	4	c	29·28	+·23	40	39	- 3	NW	5	c	4	rq. pl	*	47	35	0·25
	Pembroke (St. Ann's Hd.)	29·05	43	NNW	8	c	29·21	+·05	41	41	- 3	NW	7	r	6	c	2·7	45	35	0·08
	Scilly	29·30	42	W	7	chq	29·37	+·01	43	42	- 4	W	7	cu	7	q. hq	4·3	48	36	0·21
	Prawle Point ...	29·30	41	W	6	cp	29·33		37	36		NNW	4	bcp	4	hp. cp	*	48	33	0·21
	Jersey (St. Aubin's)	29·44	46	WSW	6	bc	29·40		42	40		SW	6	cqp	6	bc. pl	*	49	39	0·32
	Hurst Castle ...	29·27	43	WSW	6	cq	29·32	-·20	42	40	- 4	WSW	4	bcm	3	qp. cq	*	48	40	0·16
	Dungeness ...	29·34	44	WSW	6	oq	29·34	-·27	40	39	- 2	WSW	4	bc	4	0. oq	*	46	39	0·07
	North Foreland	29·26	45	SSW	5	c	29·34	-·25	36	35	0	SW	4	b	3	r, c	*	48	35	0·09
	London (Brixton) ...	29·20	43	WSW	4	op	29·30	-·23	37	35	- 4	SW	2	bc	*	p r h, b	2·9	50	34	0·06
	Oxford	29·17	40	SW	5	c	29·26	-·18	38	36	+ 1	SW	3	b	*	pq, tlr	*	47	35	0·18
	Cambridge ...	29·12	42	SSW	4	bc	29·26	-·24	37	35	+ 2	SW	3	b	*	tpq, bc	2·3	48	34	0·05
	Yarmouth ...	29·12	40	SSW	5	c	29·24	-·22	38	36	+ 1	SW	4	bc	3	r, htq	*	43	34	0·12
Germany & Holland.	Cuxhaven ...	29·45	39	S	3	c	29·36	+·16	38	38	- 1	S	3	0	*	c, s	*	41	37	0·08
	Berlin	29·67	39	S	3	b	29·61	+·11	35	34	- 3	SE	2	S	*	b	*	46	32	-
	Wiesbaden ...	*	*	*	*	*	29·53	-·14	41	39	+ 3	SW	1	r	*	*	*	45	38	0·16
	Munich... ..	29·87	33	SW	5	b	29·69	-·13	34	32	0	E	4	c	*	b	*	39	28	0·04
	The Helder ...	29·32	42	SSW	5	c	29·28	-·17	39	38	- 1	SSW	4	b	1	e	*	45	39	0·08
Belgium.	Brussels ...	*	*	*	*	*	29·41	-·26	38	36	+ 1	SW	5	0	*	bc	*	46	37	0·08
	Cape Gris Nez...																*			
	Paris	29·53	43	SW	3	0	29·52	-·35	38	36	+ 1	SSW	3	c	*	0	*	47	37	0·08
	Brest	29·52	44	SW	5	c	29·48		45	45		WNW	6	c	7	c	*	50	37	0·20
	Lorient... ...	29·52	42	NNW	8	r	29·49	-·33	43	39	- 4	NW	7	t	7	r	*	?	?	-
France &	Rochefort ...	29·75	48	WSW	6	r	29·64	-·38	45	43	- 3	W	7	c	*	0, r	*	52	39	0·55
	Belfort	29·83	39	SW	4	0	29·62	-·29	35	34	+ 2	SW	3	0	*	0	*	43	33	0·08
	Lyons	29·94	40	S	4	0	29·74	-·33	41	36	- 1	S	1	or	*	0	*	47	40	-
	Nice	29·93	47	SW	3	b	29·76	-·15	43	37	+ 2	E	0	c	4	b	*	57	41	-
	Perpignan ...	30·05	50	SE	2	0	29·88	-·33	46	41	0	NW	3	0	*	0	*	62	37	-
	Biarritz ...																*			
Peninsula.	Corunna ...																*			
	Lisbon														*		*			
	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 2·6 hrs; Brighton 3·1 hrs; Eastbourne 1·8 hrs; Hastings 1·5 hrs, Ventnor 2·6 hrs

WEATHER CHARTS

FOR Friday, 5th March, 1897.

BAROMETER, WIND AND SEA.

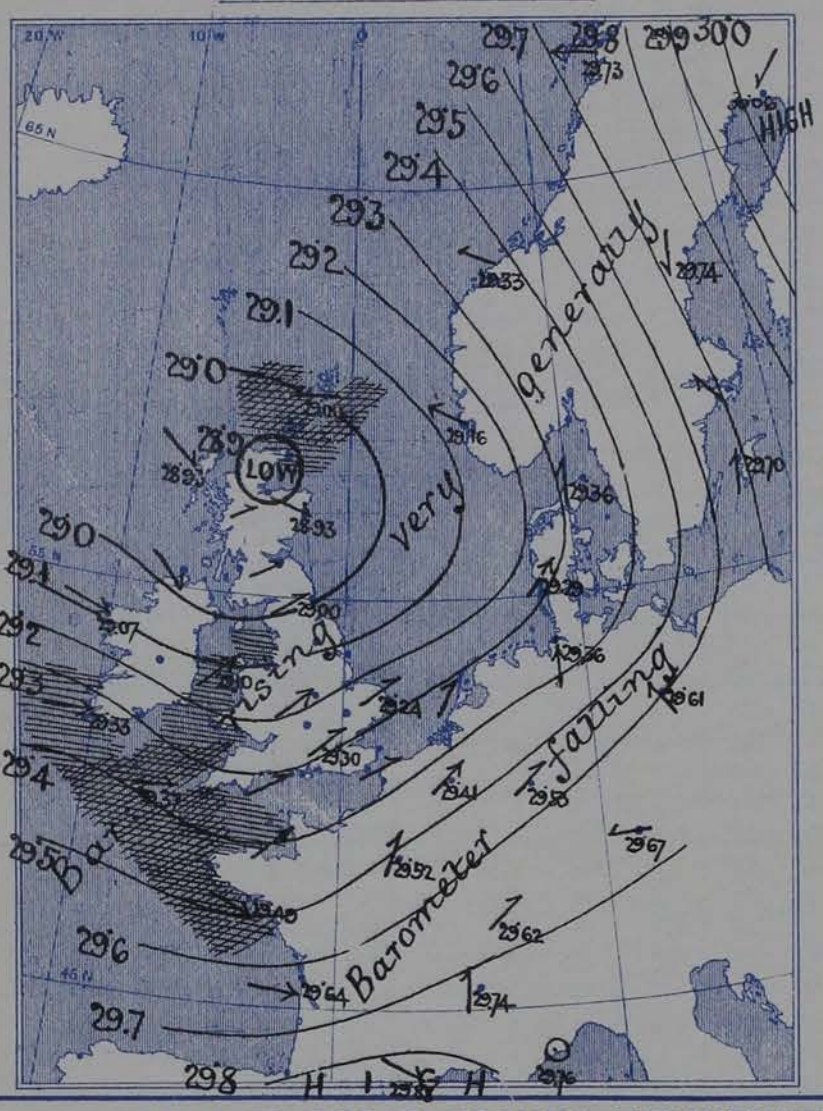
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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 MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 · 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 · 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* 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) 29·8 in: and more to 29·7 in: over the southwest and south of France; (2) 30·0 in: and more to 29·7 in: over Lapland and the north of Sweden
Lowest, Below 28·9 in: over Caithness and the Moray Firth, and below 29·0 in: all over Scotland and the north of Ireland.
Gradients slight over Scotland, moderate elsewhere, and decreasing generally.
Barometer rising in most places, but not very decidedly.

TEMPERATURE

Highest, 46° to 45° in the west and south of France, 46° at Valencia (Ireland), 43° at Scilly and Belmullet.
Lowest, −6° F. to +20° at the stations in the north of Scandinavia, 33° at Nairn, 35° at Wick, Aberdeen, and Arderseir, 37° at Cambridge and in London, 36° at Paris.
There was a sharp frost on the grass at many of our stations early this morning, and at Nairn the thermometer went down to 21° in the shade, at 4 ft. from the ground.

WIND

Very strong from between W. and NW. on our west and southwest coasts, fresh to moderate from SW. in the southeast and East
light and variable in Scotland, strong from ESE. in Norway.
It appears to be decreasing in force in all districts.

WEATHER

Still very changeable — sharp showers of rain and hail being reported from most districts, separated by intervals of clear sky.
Thunder and lightning have occurred in many parts of our Islands.
Bright Sunshine recorded yesterday was 4 hrs at Scilly, 3·1 hrs at Brighton, less elsewhere — especially in the north.

SEA

Still very rough in the southwest and in the far north; rough, but going down in the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather seems to be quieting down generally, but slowly. Passing showers are still probable.

FORECASTS

For the 24 hours ending at NOON on 6th MARCH 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Very Variable light winds; weather changeable, cold showers with bright intervals.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW½ and W½ breezes, moderate or fresh; passing showers, bright intervals.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	NW½ and W½ winds, strong to moderate, changeable, showery.
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
WARNINGS		At 10·30 am today to districts 0, 1, 6, 7, and 8 LOWER CONE. The signals are now down on all coasts.

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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.24	41	37	SE	2	c	3
Sumburgh Head	29.04	42	39	NE	3	b	5
Stornoway	28.76	39	36	SE	7	o	7
Aberdeen	28.93	35	35	SE	9	o q r s	7
Shields	28.93	41	40	S	4	c	3
Ardrossan	28.77	40	39	SSW	4	c p	3
Malin Head ...	28.70	44	40	S	5	c	4
Belmullet	28.78	42	41	W by W	6	o q r s p	*
Holyhead	28.87	44	42	SW	7	c q v	6
Valencia	29.14	42	39	W	9	o q r s p	7
Scilly	29.34	43	42	W	7	c q	7
Jersey							
Hurst Castle ...	29.30	47	43	SW	6	b c v	4
Dungeness ...	29.30	45	44	W by S	6	o	5
North Foreland	29.35	45	43	SSW	6	f	5
London (Westminster)	29.22	50	45	SW	4	o	*
Yarmouth ...	29.21	43	42	SSW	6	c	4
Rochefort ...	29.86	51	50	W by S	6	o	*

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

Weather in morning fine and bright in the extreme north of Europe and also in many parts of Spain; very unsettled over Europe as a whole, but especially over the northwestern countries, including the British Islands, where strong squalls and cold showers were very prevalent. Rain falling very generally over the northwestern countries, sleet and hail in many places, and thunderstorms over England.

Temperature still changing fitfully. Morning readings highest 58° at Brindisi, 56° at Algiers, 50° at Coruna; 47° at Lorient and Scilly. Lowest −22° F. at Archangel, +7° at Haparanda, and much below the freezing-point over Lapland, Finland, and the north of Russia generally; 38° at Belfort, 37° at Nice, Paris, Oxford, Shields, Parsonstown, and Wick. Not touching 50° on our Islands (except in London) during the day but reaching 49° at Jersey, 47° at Donaghadee and Rodie Point, and 46° at York. Falling fast again over the United Kingdom as night came on.

Wind (1) W² to S³ over the British Islands and France, and blowing hard at the western stations, E³ over northern Europe, and moderate to a gale in force; (2) NW² over the Mediterranean, force varying from a moderate breeze to a strong gale; (3) very light and variable over southeastern Europe. Very little change later except over the Netherlands, where the W⁷ gale moderated, and the wind backed to the S^ward.

Barometer highest (1) 30·5 in: and more to 30·0 in: over the north of Africa and the Spanish Peninsula; (2) 30·2 in: and more to 30·0 in: over the north of Russia and the eastern parts of Lapland and Finland. Lowest (1) below 28·8 in: in a new depression lying off the northwest of our Islands, and below 29·0 in: in another depression lying over Denmark; (2) below 29·6 in: in a shallower disturbance over Austria-Hungary, and below 29·8 in: in a secondary system over the northern part of Italy. Depression in the northwest spreading over Scotland later, and barometer rising over Ireland.

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, 6th March, 1897.

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 Sunshine.	Temp.		Rainfall
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·06	13	E	2	0	30·12	+·06	15	15	+21	2.	0	S	8	0	8	15	-9	0·04
	Hernösand ...	29·91	21	N	4	S	30·05	+·31	24	23	+ 5	N	2	S	8	S	8	24	16	0·16
	Stockholm ...	29·86	35	2.	0	C	30·05	+·41	31	30	- 5	SE	4	S	8	C	8	41	31	-
	Wisby	29·87	33	SSW	4	b	29·99	+·29	32	32	- 3	SSE	4	C	8	b	8	43	30	-
	Karlstad ...	29·75	35	ESE	2	0	29·91	+·39	36	35	+ 2	ESE	2	r	8	S.0	8	8	8	0·04
	Bodö	29·83	22	E	6	b	29·93	+·20	20	17	- 1	E	4	b	1	b	8	25	18	-
	Christiansund ...	29·53	38	2	C	c	29·84	+·51	?	?	?	2.	0	c	3	c	8	41	34	-
	Skudesnaes ...	29·44	40	SE	8	0	29·75	+·59	38	36	- 1	E	2	bc	4	0	8	41	36	8
	Færder (Christiania Fjord)	29·65	37	ESE	4	c	29·84	+·45	36	35	+ 3	NE	1	0	3	c	8	37	33	0·28
	Skagen (The Scaw)	29·66	37	SE	3	0	29·80	+·44	37	36	+ 2	SSE	2	0	0	0	8	39	34	0·04
	Fanö	29·54	37	S	2	0	29·72	+·43	35	35	- 3	2.	0	0	8	0	8	43	34	-
British Islands	Sumburgh Head	29·23	40	ENE	5	0p	29·70	+·70	40	39	0	ENE	1	0	6	r 0p	8	42	37	0·15
	Stornoway ...	29·23	42	NNE	2	0	29·79	+·86	38	36	+ 2	N	3	0	3	bc, 0	7·9	45	33	-
	Wick	29·16	41	NW	3	0	29·68	+·79	40	40	+ 2	NW	4	0	4	0	8	44	38	0·10
	Nairn	29·22	38	WSW	1	c	29·70	+·79	40	40	+·7	NNW	2	0	1	c	8	41	31	0·13
	Aberdeen ...	29·18	37	WNW	3	c	29·65	+·72	39	38	+ 4	NNW	3	c p	3	cq, r. c	0·9	40	35	0·15
	Leith	29·19	40	W	2	b	29·64	+·71	41	38	+ 6	W	3	0	8	b	8	47	33	-
	Shields	29·19	42	SW	2	0	29·64	+·64	39	38	+ 1	W	2	c	2	p,0	8	44	33	-
	Spurn Head ...	29·26	42	SW	3	bc	29·60	+·50	39	39	- 1	N	1	cw	2	bc	8	46	36	-
	York	29·23	43	W	1	bc	29·66	+·60	36	34	- 4	N	1	b	8	0, bc	0·0	44	32	-
	Loughborough ...	29·30	41	SSW	2	bc	29·62	+·46	38	37	+ 1	NNW	1	0m	8	cq, bc, 0	8·	48	34	-
	Ardrossan ...	29·20	42	2.	0	b	29·72	+·78	40	39	+ 5	NW	3	b	2	bc, b	8	44	34	-
	Malin Head ...	29·27	41	NNW	4	bcq	29·81	+·87	43	41	+ 1	NNW	5	b	3	r, bcq	8	43	39	0·07
	Belmullet ...	29·38	45	N	4	b	29·95	+·88	44	42	+ 1	N	4	c	8	bcqp, b	8	47	40	0·10
	Donaghadee ...	29·22	42	NW	4	cp	29·74	+·76	43	42	+ 6	N	6	b	4	cp	8	47	36	0·04
	Liverpool (Bidston)	29·25	41	WSW	2	0	29·68	+·57	39	37	- 1	NW	3	bc	2	c, or	8	46	36	0·26
	Holyhead ...	29·22	42	W	4	0p	29·72	+·62	43	42	+ 2	NW	5	c	4	c, 0p	8	46	39	0·03
	Parsonstown ...	29·29	43	W	1	bc	29·88	+·70	41	39	+ 2	NW	1	b	8	c, prh	1·5	46	38	0·20
	Valencia ...	29·45	47	NW	7	0q	29·98	+·65	46	41	+ 1	N	5	bcq	5	qr, spq	3·7	48	41	0·15
	Roche's Point ..	29·34	45	NW	5	r	29·89	+·61	44	41	+ 4	NW	4	b	4	c p	8	49	40	0·06
	Pembroke (St. Ann's Hd.)	29·31	44	WSW	7	c	29·74	+·53	42	41	+ 1	N	5	b	5	0, c	0·7	45	35	0·04
	Scilly	29·48	46	W	5	c	29·79	+·42	46	45	+ 3	NNW	6	c	5	c	6·8	48	38	0·04
	Prawle Point ...	29·43	43	W	5	c	29·70	+·37	42	40	+ 5	WNW	3	bc	3	bp, cp	8	46	35	0·22
	Jersey (St. Aubin's)	29·49	42	NW	5	cpbr	29·65	+·25	45	43	+ 3	NW	5	cpqm	4	cp, l	8	48	39	0·33
	Hurst Castle ...	29·40	39	W	4	c	29·62	+·30	39	38	- 3	NW	3	cm	2	c, pbr	8	44	36	0·30
	Dungeness ...	29·39	41	SW	4	bc	29·59	+·25	36	36	- 4	NNW	1	c	0	c, bc	8	46	34	0·06
	North Foreland	29·41	41	S	3	c	29·57	+·23	40	39	+ 4	S	2	b	2	c, cl	8	48	34	-
	London (Brixton) ...	29·37	40	SSW	2	bc	29·61	+·31	39	37	+ 2	W	1	03p	8	bc, b	7·2	52	35	-
	Oxford	29·38	39	SW	3	c	29·61	+·35	39	38	+ 1	NNW	2	02	8	c, p	8	47	36	0·02
	Cambridge ...	29·35	41	SSW	2	b	? 29·62	+·36	38	38	+ 1	S	1	5	8	b	7·9	50	32	-
	Yarmouth ...	29·35	43	SW	3	bc	29·51	+·27	39	38	+ 1	SE	3	bcw	3	bc	8	47	36	-
Germany & Holland	Cuxhaven ...	29·47	39	S	1	0	29·69	+·33	33	33	- 5	SE	1	b	8	0	8	43	32	0·08
	Berlin	29·64	43	SE	3	0	29·71	+·10	40	38	+ 5	2.	0	0	8	0	8	48	35	-
	Wiesbaden ...	*	*	*	*	*	29·69	+·16	35	34	- 6	W	2	0	8	*	*	45	34	0·12
	Munich	-	-	-	-	-	29·70	+·03	33	32	- 1	SW	2	0	8	?	8	41	32	0·39
	The Helder ...	29·44	39	SW	2	b	29·65	+·37	35	34	- 4	SE	1	b	1	b	8	43	32	-
Belgium. France &	Brussels ...	*	*	*	*	*	29·63	+·22	36	35	- 2	SE	2	0	8	b	8	44	33	0·04
	Cape Gris Nez ..																#			
	Paris	29·52	38	S	3	r	29·65	+·13	33	33	- 5	S	2	bc	8	r	8	48	33	0·24
	Brest	29·56	36	NNW	3	c	29·72	+·24	40	42	+ 1	NNW	6	c	6	0	8	46	37	0·12
	Lorient	29·58	40	N	5	c	29·68	+·19	45	42	+ 2	NW	5	c	5	c	8	48	36	0·06
	Rochefort ...	29·61	44	WSW	6	0	29·72	+·08	44	43	- 1	NNW	6	r	8	c, 0	8	50	43	0·12
	Belfort	29·62	38	SW	4	b	29·69	+·07	34	33	- 1	2.	0	bc	8	b	8	44	33	-
	Lyons	29·69	41	SW	1	bc	29·75	+·01	37	35	- 4	NNW	2	0	8	bc	8	51	36	-
	Nice	29·63	41	NW	6	bc	29·58	-·18	37	31	- 6	E	1	0	4	bc	8	55	34	-
	Perpignan ...	29·79	47	NW	4	b	29·74	-·14	42	38	- 4	NW	4	b	8	b	8	54	39	-
	Biarritz ...																#			
Penin-sula.	Corunna ...																#			
	Lisbon	30·35	54	NNW	5	r	30·33	-·02	55	53	+ 3	NW	5	c	8	r	8	59	54	0·04
	Azores (P. Delgada)	30·60	57	SW	1	c	30·53		58	52		SSW	4	0	3	c	8	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 4·6 hrs; Brighton 4·0 hrs; Eastbourne 3·2 hrs; Hastings 4·0 hrs; Ventnor 3·3 hrs

WEATHER CHARTS

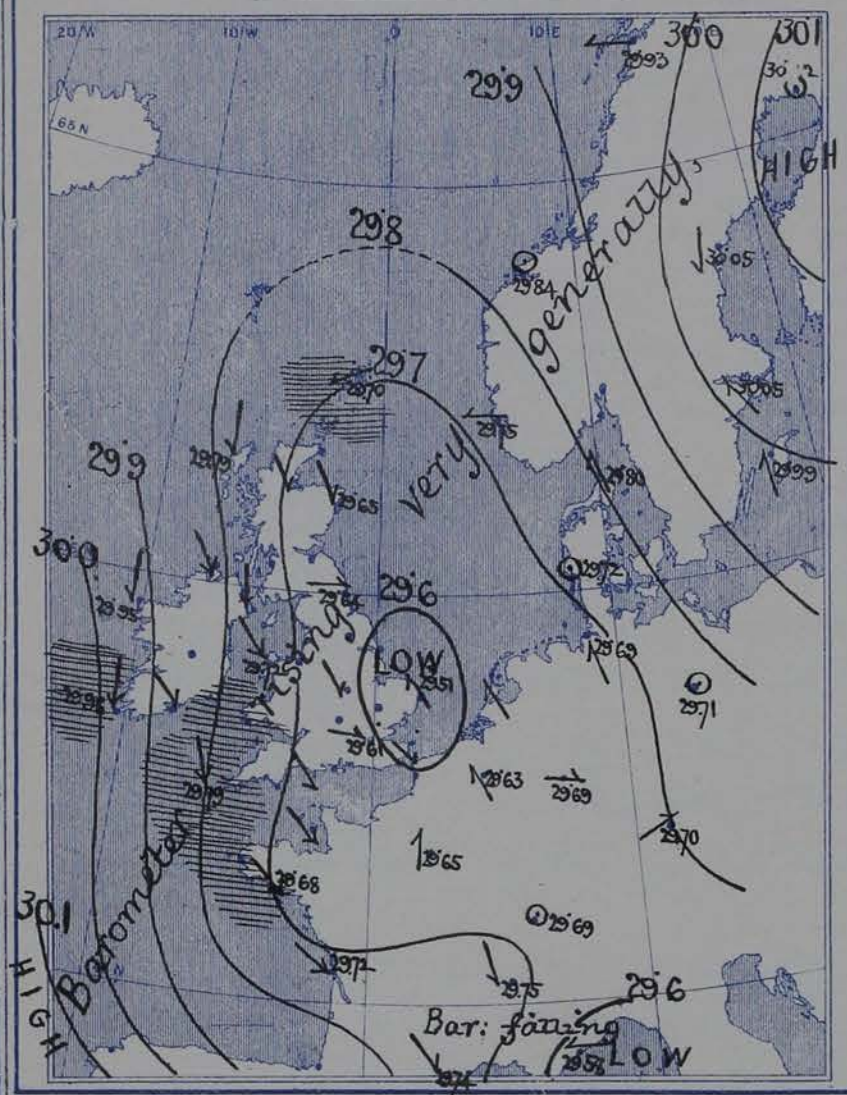
FOR Saturday, 6th March, 1897.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew 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 MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 · 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 · 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* 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) 29·9 in and more to 29·8 in: at the Irish stations; (2) 30·1 in. and more over Finland, and spreading 29·8 in over nearly the whole of Lowest, Below 29·6 in: over the East of England, and apparently off the East of Scotland also.
Gradients moderate for N. winds in the west, and for SE. winds on the eastern shores of the North Sea; slight and irregular over England.
Barometer rising generally – rapidly in the west.

TEMPERATURE

Highest, 46° at our extreme southwestern stations and at Brest, 45° at Jersey, 43° at Malin Head and Holyhead.
Lowest, 15° to 25° over the northern parts of Scandinavia, 33° at Carlsruhe and Paris, 36° to 39° over the greater part of England.
It is falling over France, not changing much over our Islands.

WIND

SE., and light, over the countries lying to the eastward of the North Sea; N. to NW. and fresh on the west coasts of our Islands and France, and very light and variable over the eastern parts of England.
The gales recently experienced have died down completely.

WEATHER

Has cleared up at our western stations, but continues very dull and slightly showery over England; in France it is fair, and over Scandinavia unsettled with snow and rain in places.
The rainfall yesterday was confined to the more northern and western parts of our area and was slight.
Bright Sunshine was greatest over the East of England – 7·9 hrs at Cambridge, 7·2 hrs in London.

SEA

Still rough but decreasing off our northern and western coasts, slight to smooth in the East and southeast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fair dry weather is likely to become general with northerly breezes.

FORECASTS

For the 24 hours ending at NOON on 7th MARCH 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N. 24 hrs breezes, moderate; cold showers then finer.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	Variable airs and cold showers; then N. 24 hrs winds, colder and finer.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
6	SCOTLAND WEST	N. 24 hrs breezes; fair generally. Cold at night.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·28	41	37	E	8	o	4
Sumburgh Head	29·14	39	38	ESE	4	r	4
Stornoway	29.11	45	43	NE	3	c	3
Aberdeen	29·06	38	37	NNW	4	cq	3
Shields	29.08	42	40	SW	2	o	2
Ardrossan	29.09	43	42	W	0	bc	0
Malin Head ...	29·08	41	40	NNW	5	r	3
Belmullet	29·19	[illegible]47	45	SW	4	bcqlp	*
Holyhead	29·17	45	42	W	4	c	4
Valencia	29·36	44	42	NSW	1	cqrsp	6
Scilly	29·44	42	39	W	5	c	6
Jersey	29·44	46	43	NNW	5	c	5
Hurst Castle ...	29·35	43	41	SW	4	cu	2
Dungeness ...	29·38	44	41	NSW	5	c	4
North Foreland	29·37	45	43	SW	4	bc	2
London (Westminster)	29·37	47	41	SW	3	c	*
Yarmouth ...	29·30	47	45	NSW	4	bc	3
Rochefort ...	29·66	47	44	NNW	6	c	*

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

Weather in morning still unsettled over the British Islands and their neighbourhood, but showing considerable improvement on that of the 4th: rain sleet and hail showers reported in many places, and thunder at some stations. Fair and bright in the northwest of Norway on the one hand and over the southern shores of the Mediterranean and the eastern shores of the Adriatic on the other. Rain falling later over the British Isles (chiefly in the west and north) and at several Continental stations, sleet and hail in many places, but still bright over the east and south of England.

Temperature changing little and irregularly. Morning readings highest 55° to 50° on the southern and western shores of the Mediterranean, 52° at Lisbon and 45° to 43° on most of the Atlantic coasts both of France and the British Isles, 42° at Jersey, 40° at Dunmore. Lowest −10° F at Archangel, −6° at Haparanda, +17° at St Petersburg, and much below the freezing point over the Central and northern parts of Russia, Finland and the north of Scandinavia; 31° at Warsaw, 34° at Memel, 38° at Paris; 35° in the east and south of Scotland, 37° in London. Rising later to between 48° and 52° over our eastern counties, but falling fast over the inland districts towards night.

Wind very strong from between NW. and W. over the western part of our Islands and the Bay of Biscay, SW. and moderate over England and the greater part of France, SE. to S. over Germany and the Baltic. A well defined but small cyclonic circulation noticed over the northern parts of the Mediterranean. N. wind setting in over the western parts of our Islands later and blowing very fresh.

Barometer highest, 30·3 in: and more to 30·0 ins both over the Spanish Peninsula and the most northern parts of Continental Europe. Lowest, 28·3 in: and less to 29·0 in: in a depression over Scotland and the north of Ireland; about 29·6 in: in another over the Black Sea and south of Russia, and about 29·7 in: in a third over the northeastern part of the Mediterranean. Rising fast over the British Islands and northwestern Europe, especially at the most western 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.

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 7th March, 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·21	23	S	2	o	30·37	+ ·25	17	16	+ 2	Z	o	o	*	o	*	27	10	0·04
	Hernösand ...	30·24	29	Z	o	o	30·36	+ ·31	28	27	+ 4	Z	o	o	*	o	*	32	19	0·08
	Stockholm ...	30·14	32	SE	2	o	30·18	+ ·13	29	28	— 2	ENE	8	o	*	o	*	36	28	—
	Wisby	30·06	33	SSE	4	o	30·02	+ ·03	33	32	+ 1	ESE	4	o	*	o	*	33	27	0·04
	Karlstad ...	30·08	33	ENE	2	o	30·16	+ ·25	32	31	— 4	NE	2	o	*	o	*	*	*	—
	Bodö	30·21	21	E	4	b	30·32	+ ·39	24	21	+ 4	E	4	b	1	b	*	24	19	—
	Christiansund ...	30·09	37	ESE	1	b	30·26	+ ·42	31	29	?	Z	o	b	3	b	*	43	30	—
	Skudesnaes ...	30·03	40	Z	o	o	30·12	+ ·27	35	33	— 3	NE	2	bc	2	o	*	42	32	*
	Færder (Christiania Fjord)	30·05	36	NNE	1	o	30·13	+ ·29	34	33	— 2	NE	3	o	2	o	*	37	34	0·04
	Skagen (The Scaw)	30·01	34	E	1	r	30·04	+ ·24	34	33	— 3	ENE	3	o	o	r	*	39	34	0·04
	Fanö	29·89	39	S	2	o	29·90	+ ·18	36	35	+ 1	ENE	2	o	*	o	*	45	35	—
	Sumburgh Head	29·97	41	NE	1	c	30·11	+ ·41	37	36	— 3	Z	o	b	4	c	*	45	34	—
	Stornoway ...	30·03	42	NE	2	bc	30·08	+ ·29	33	33	— 5	Z	o	o	o	hp.c,bc	7·4	45	31	0·02
	Wick	29·97	42	SE	3	o	30·06	+ ·38	35	34	— 5	NW	2	o	4	o	*	47	32	0·01
	Nairn	29·96	41	NW	2	c	30·08	+ ·38	38	38	— 2	Z	o	c	1	c	*	44	36	0·02
	Aberdeen ...	29·92	38	N	3	c	30·11	+ ·46	38	37	— 1	NW	1	cm	2	c	1·6	44	37	0·03
British Islands.	Leith	29·89	42	WNW	2	o	30·07	+ ·43	40	39	— 1	ENE	1	cm	*	o	*	47	38	0·02
	Shields	29·88	40	NW	3	opd	30·09	+ ·45	39	38	0	?E	3	c	2	opd	*	43	37	0·04
	Spurn Head ...	29·83	42	NNE	2	o	30·05	+ ·45	40	37	+ 1	NNE	3	o	3	o	*	44	37	—
	York	29·85	40	N	1	c	30·09	+ ·43	37	36	+ 1	N	1	o	*	c	3·4	45	33	0·01
	Loughborough ...	29·85	41	N	1	o	30·06	+ ·44	35	35	— 3	NW	1	cfw	*	ep.op.f	*	46	35	0·06
	Ardrossan ...	29·91	45	NW	3	b	30·07	+ ·35	39	38	— 1	ENE	2	cm	1	b	*	49	34	—
	Malin Head ...	30·00	43	NNW	5	bcp	30·04	+ ·23	40	39	— 3	SSE	1	bm	2	bcp	*	44	36	—
	Belmullet ...	30·10	45	N	2	b	30·05	+ ·10	39	38	— 5	ESE	3	o	*	b	*	49	32	—
	Donaghadee ...	29·97	44	NW	6	b	30·09	+ ·35	41	40	— 2	ENE	4	b	2	b	*	48	38	—
	Liverpool (Bidston)	29·89	42	NNW	2	o	30·08	+ ·40	37	35	— 2	Z	o	o	?	o	*	44	35	—
	Holyhead ...	29·93	44	NNW	4	c	30·07	+ ·35	40	39	— 3	Z	o	cm	o	c	*	46	39	—
	Parsonstown ...	30·03	44	Z	o	b	30·09	+ ·21	32	31	— 9	Z	o	o	*	b	8·0	50	29	0·02
	Valencia ...	30·12	47	NNW	2	bc	30·07	+ ·09	37	36	— 9	Z	o	o	3	bcq,bc	8·6	50	32	—
	Roche's Point ..	30·06	47	NNW	4	b	30·10	+ ·21	40	37	— 4	NNW	2	c	3	b	*	50	38	—
	Pembroke (St. Ann's Hd.)	29·94	44	NNE	1	b	30·06	+ ·32	42	41	o	NNE	2	bc	4	b	7·4	46	40	—
	Scilly	29·98	47	NNW	5	b	30·06	+ ·27	46	43	o	NNW	3	c	3	b	6·8	48	43	0·01
	Prawle Point ...	29·91	42	NNW	4	bc	30·07	+ ·37	36	35	— 6	N	3	bc	3	bc	*	51	35	—
	Jersey (St. Aubin's)	29·85	47	NNW	4	c	30·02	+ ·37	43	41	— 2	NW	3	cm	3	bc,c	*	49	41	0·16
	Hurst Castle ...	29·83	44	N	3	ogm	30·02	+ ·40	38	37	— 1	NNE	2	cm	1	cm,ogm	*	48	37	0·02
	Dungeness ...	29·77	41	ENE	3	c	29·99	+ ·40	36	35	o	NNW	4	c	2	c	*	45	31	0·01
	North Foreland	29·81	40	E	3	o	29·96	+ ·39	39	38	— 1	NNW	4	o	3	o	*	45	37	—
	London (Brixton) ...	29·81	43	NE	2	c	30·04	+ ·43	36	35	— 3	ENE	1	ogm	*	o.rhe,b	0·0	44	33	0·17
	Oxford	29·90	39	NE	2	p	30·05	+ ·44	38	37	— 1	NE	1	c	*	o,p	*	46	36	0·04
	Cambridge ...	29·84	42	N	3	p	30·06	+ ·44	36	36	— 2	NE	2	omg	*	b.p	4·6	49	31	0·09
	Yarmouth ...	29·79	39	ENE	3	bc	29·98	+ ·47	40	38	+ 1	NE	3	c	3	bc	*	40	35	—
Germany & Holland.	Cuxhaven ...	29·79	39	NNE	1	c	29·81	+ ·12	34	34	+ 1	NNE	3	s	*	c	*	41	33	0·08
	Berlin	29·75	41	ENE	1	o	29·69	— ·02	35	35	— 5	Z	o	r	*	o	*	46	34	0·16
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich... ..	29·76	34	SW	2	b	29·78	+ ·08	31	30	— 2	W	3	b	*	b	*	41	30	0·04
	The Helder ...	29·82	40	NE	1	b	29·91	+ ·26	39	38	+ 4	N	3	o	2	b	*	41	35	—
Belgium.	Brussels ...	*	*	*	*	*	29·93	+ ·30	34	34	— 2	NNE	2	f	*	c	*	44	32	—
	Cape Gris Nez...	29·76	41	E	4	o	29·92		39	38		NNE	4	o	3	o	*	45	34	0·08
	Paris	29·78	41	NW	2	r	30·01	+ ·36	35	35	+ 2	N	2	m	*	r	*	51	33	0·28
	Brest	29·97	46	N	3	c	30·06	+ ·34	44	42	— 2	NNW	3	c	5	c	*	48	39	0·04
	Lorient	29·91	43	NNW	5	bc	30·01	+ ·33	40	40	— 5	NNW	4	bc	3	bc	*	52	39	—
France &	Rochefort ...	29·83	48	WNW	6	bc	29·97	+ ·25	46	44	+ 2	WNW	6	bc	*	bc	*	52	43	—
	Belfort	29·74	39	W	1	b	29·82	+ ·13	31	31	— 3	W	2	o	*	b	*	49	28	—
	Lyons	29·78	41	N	1	b	29·85	+ ·10	36	33	— 1	NNW	1	bc	*	b	*	51	33	—
	Nice	29·64	45	SE	1	c	29·69	+ ·11	38	30	+ 1	E	3	b	3	c	*	50	36	—
	Perpignan ...	29·85	43	NW	3	r	29·92	+ ·18	43	39	+ 1	Z	o	o	*	r	*	54	39	0·12
	Biarritz ...	29·99	47	NW	6	r	30·04		49	44		NW	5	r	5	bcrh	*	52	32	0·71
Penin-sula.	Corunna ...	30·26	53	NW	7	f	30·24	+ ·02	55	50	+ 4	NW	4	c	7	f	*	55	46	0·08
	Lisbon	30·35	53	NW	5	o	30·33	·00	54	48	— 1	NW	3	o	*	o	*	61	52	—
	Azores (P. Delgada)	30·44	59	SSW	4	c	30·34	— ·19	60	57	+ 2	WSW	4	c	4	c	*	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 4·7 *hrs; Brighton* 2·6 *hrs; Eastbourne* 1·5 *hrs; Hastings* ? *hrs; Ventnor* ? *hrs*

WEATHER CHARTS

FOR SUNDAY, 7TH MARCH, 1897.

BAROMETER, WIND AND SEA.

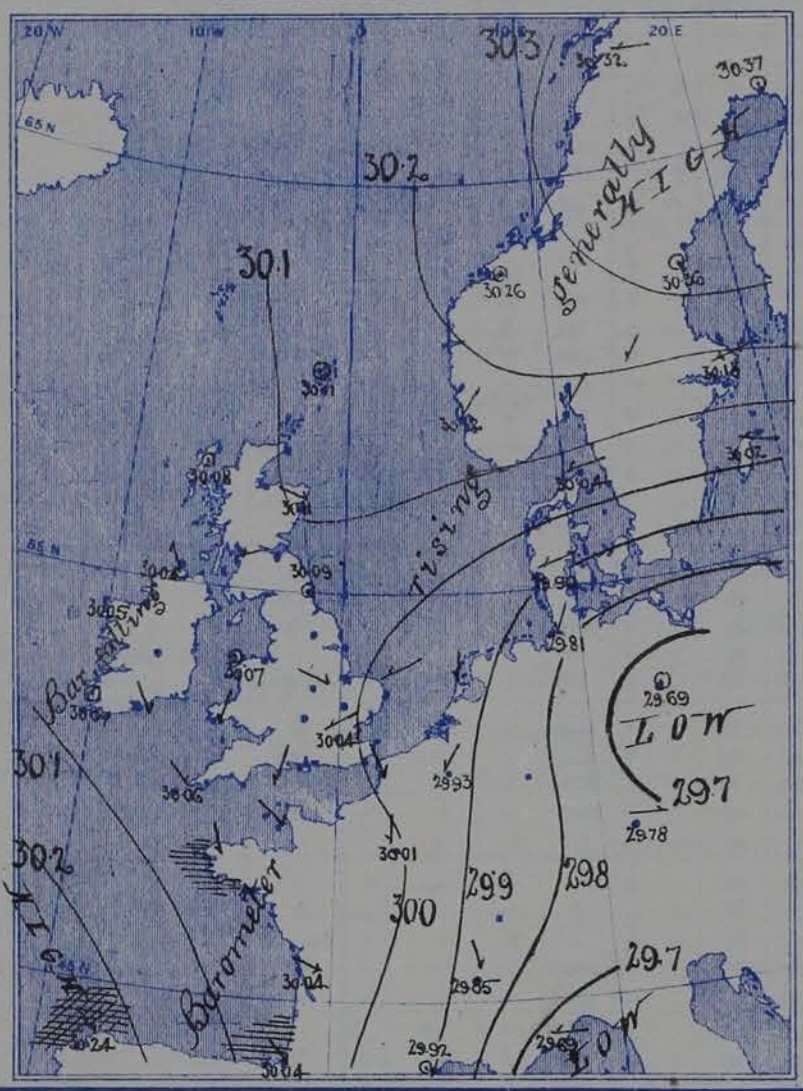
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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* ▦

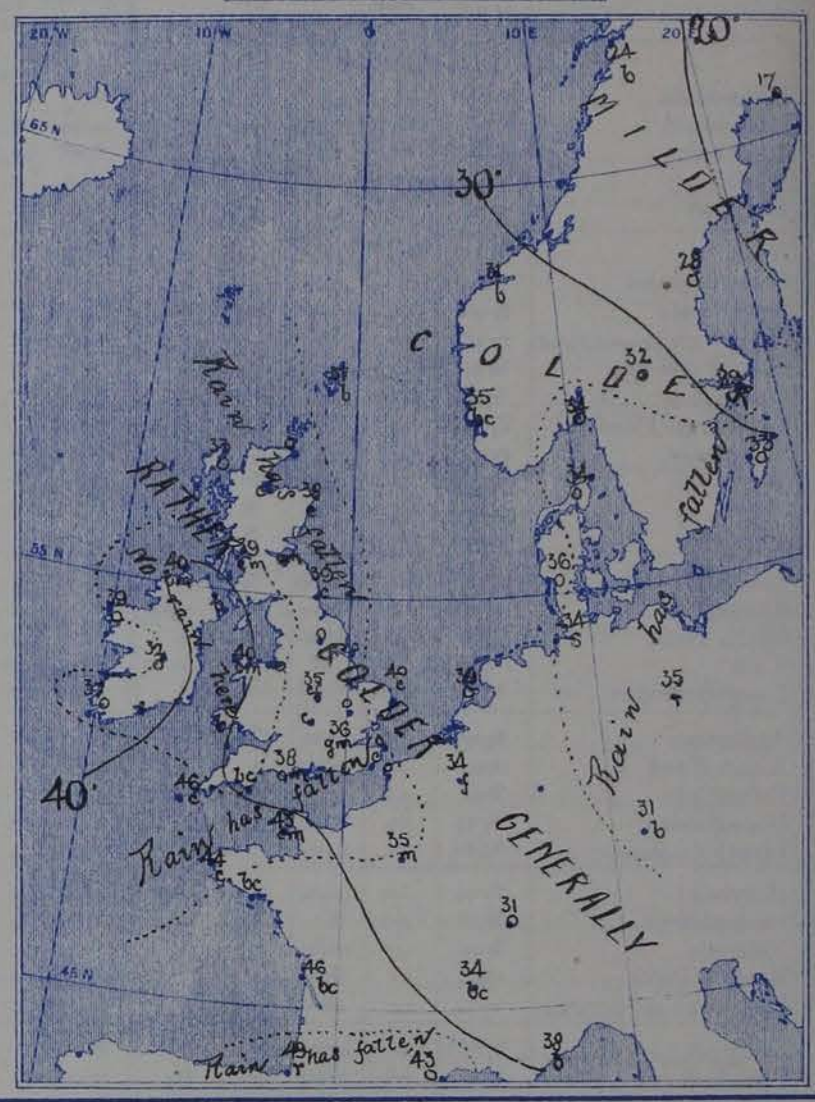


TEMPERATURE & WEATHER.

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 MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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: and more to 30·1 ins: in an anticyclone over Finland, Lapland, Sweden, Norway and the Shetland Islands, and in another spreading in from the Atlantic on the Spanish Peninsula and part of the Bay of Biscay; above 30·0 ins: all over our Islands.
Lowest, Below 29·7 ins: in a depression over Germany, and in another over the northeastern part of the Mediterranean.
Gradients very slight over our Islands — generally favourable for NE. to N. winds.
Barometer rising in most places, but falling over Germany.

TEMPERATURE

Highest, 55° at Coruna, 49° at Biarritz, 46° at Scilly, 41° at Donaghadee.
Lowest, 17° to 29° on the coasts of Lapland and Sweden; 31° at Munich and Belfast, 35° at Berlin, Paris and Loughborough; 37° at Parsonstown.
The sheltered thermometer in our Islands did not rise to 50° yesterday except on our extreme southwest coasts and at Parkhurst; in London it did not exceed 44°.

WIND

Light and variable from between NNW. and E. all over the United Kingdom; moderate from E. and NE. on the eastern shores of the North Sea, and from between NW. and W. over France and South Germany.
The force of the NE. and E. current has decreased very materially since yesterday, and on the north coast of Wales calm prevails.

WEATHER

Fine and bright at the Norwegian stations, several of our more northwestern and northern stations, and in many parts of France and South Germany, dull elsewhere, with snow and rain in North Germany. Fog and haze over England
Rain and snow have fallen at many of our northeastern and eastern stations and over most parts of the Continent — heavily at Biarritz, where a thunderstorm has occurred.

SEA

Moderate in the north and extreme west, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 8th March, 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NONE ISSUED
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NONE ISSUED.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.90	42	39	ENE	2	o	4
Sumburgh Head	29.89	43	42	ENE	1	c	6
Stornoway	29.95	45	41	NE	3	c	3
Aberdeen	29.81	40	38	NNE	4	opqr	4
Shields	29.75	42	41	NW	3	qp	2
Ardrossan	29.84	48	46	NW	3	b	2
Malin Head ...	29.93	44	41	NNW	5	bc	4
Belmullet	30.06	49	46	N	3	b	*
Holyhead	29.85	45	43	N	5	bc	4
Valencia	30.07	49	44	NNW	5	bcq	5
Scilly	29.91	48	46	NNW	6	cp	5
Jersey	29.79	48	44	NNW	5	bc	4
Hurst Castle ...	29.75	47	44	N	5	cnv	2
Dungeness ...	29.70	45	43	ENE	2	c	1
North Foreland	29.74	43	42	E	3	bc	3
London (Westminster)	29.73	42	39	N	3	c	*
Yarmouth ...	29.74	40	38	ESE	2	bc	3
Rochefort ...	29.76	50	47	WNW	6	c	*

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

Weather in morning fine and bright over Norway, Ireland, Spain, many parts of England, France and the Mediterranean, dull elsewhere with slight rain in many parts of the United Kingdom and at Karlstad, snow over Northern Europe. Rain and snow later at many of the northern Continental stations, and over the north and east of the British Islands; rain over Southern Europe and a thunderstorm at Biarritz.

Temperature rose in over northern and Central Europe, inclined to fall in the west. Morning readings highest 57° to 50° on the southern shores of the Mediterranean and on the Portuguese coast, 46° at Scilly and Valencia (Ireland), 43° at Holyhead, 40° in the northeast of Scotland. Lowest 2° F. at Archangel, below the freezing point over Lapland, Finland and the north of Russia, and very little above that value over France, not touching 50° in any part of our Islands later excepting Prawle Pt., but touching 54° at Perpignan, 61° at Lisbon and Mondini and 65° at Palermo.

Wind E. to SE. over the Baltic and northern Europe, but NW. to N. over almost the whole of the British Islands, and not strong in any of these parts. NW. and strong, however, over the Bay of Biscay and a gale at Barcelona; SW., moderate in Scilly and the south of Italy, very variable and light over France. The N. breeze spreading to our east coast later, but beginning to decrease in force.

Barometer highest 30·3 ins: and more to 30·0 ins: over Spain, and 30·2 ins: and more over Northern Europe. Lowest Below 29·7 ins: over the eastern half of Great Britain and many parts of southern and central Europe, and below 29·6 ins: over the east of England and the Gulf of Genoa. Rising steadily over Western Europe 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.

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Monday 8th March, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·58	3	L	0	b	30·67	+·30	1	0	−16	N	2	o	s	b	#	23	1	—
	Hernösand ...	30·54	21	N	4	o	30·62	+·26	15	15	−13	N	4	s	#	o	#	32	15	—
	Stockholm ...	30·28	28	NE	6	o	30·38	+·20	27	26	−2	NE	8	o	#	o	#	32	27	0·04
	Wisby	30·13	33	ESE	4	r	30·21	+·19	33	32	0	E	4	o	#	r	#	34	28	0·04
	Karlstad ...	30·27	28	ENE	4	s	30·36	+·20	27	26	−5	NNE	2	o	#	s	#	#	#	0·16
	Bodö	30·27	23	E	7	b	30·43	+·11	24	21	0	E	6	b	2	b	*	25	19	—
	Christiansund ...	30·23	36	ESE	3	b	30·23	−·03	38	35	+7	L	0	o	3	b	#	39	30	—
	Skudesnaes ...	30·13	40	L	0	b	30·23	+·11	36	29	+1	SSE	2	o	2	b	*	47	32	*
	Færder (Christiania Fjord)	30·21	32	NNE	2	s	30·33	+·20	30	29	−4	NNE	2	o	2	s	#	34	*	—
	Skagen (The Scaw)	30·12	32	ENE	4	s	30·24	+·20	31	31	−3	E	4	s	1	s	#	34	31	0·04
	Fanö	29·94	36	ENE	4	o	30·07	+·17	36	36	0	E	4	o	#	o	#	37	34	0·16
	Sumburgh Head	30·12	43	SE	1	bc	30·06	−·05	38	37	+1	S	1	c	3	bc	*	46	34	0·01
	Stornoway ...	30·01	44	SSW	1	c	29·88	−·20	42	39	+9	S	5	ow	5	c	6·5	48	33	—
	Wick	30·04	42	SE	3	c	29·96	−·10	40	39	+5	S	5	o	4	c	#	44	33	—
	Nairn	30·04	41	L	0	c	29·98	−·10	39	37	+1	SSE	2	o	1	c	#	45	31	—
	Aberdeen ...	30·12	39	S	1	bc	30·10	−·01	39	36	+1	S	2	c	1	bc	0·6	45	35	—
	Leith	30·06	44	ENE	1	b	30·06	−·01	36	33	−4	SSE	1	bc	#	b	#	49	31	—
	Shields	30·11	41	E	2	c	30·11	+·02	33	32	−6	SSW	1	bcm	2	c	#	46	31	—
	Spurn Head ...	30·09	40	N	3	bc	30·10	+·05	38	37	−2	NNW	2	o	3	bc,p	#	43	36	—
	York	30·11	41	NNE	1	c	30·13	+·04	32	31	−5	N	1	bc	#	c	1·7	44	28	—
	Loughborough ...	30·11	41	L	0	o	30·14	+·08	29	29	−6	SE	1	f	#	am,c,bf	#	45	29	—
British Islands	Ardrossan ...	30·05	48	SSE	3	cm	30·00	−·07	40	38	+1	NE	3	cm	2	cm	#	48	37	—
	Malin Head ...	29·96	42	SSE	4	cm	29·86	−·18	40	40	0	S	5	cg	2	cm	#	46	38	—
	Belmullet ...	29·90	46	SSE	5	cr	29·88	−·17	43	42	+4	S	2	o	#	cr	#	46	36	—
	Donaghadee ...	30·06	42	SSE	4	c	30·00	−·09	43	41	+2	SSE	5	o	3	c	#	45	34	—
	Liverpool (Bidston)	30·11	40	E	1	c	30·09	+·01	34	31	−3	ESE	3	b	?	cm	#	43	30	—
	Holyhead ...	30·07	44	SSW	2	c	30·02	−·05	43	41	+3	S	3	cm	2	c	#	47	37	—
	Parsonstown ...	29·98	44	S	1	o	29·90	−·19	42	40	+10	SE	2	cr	#	o	0·4	46	31	—
	Valencia ...	29·97	45	SSE	5	rmg	29·93	−·14	46	44	+9	NW	1	b	5	rmg	0·0	48	36	—
	Roche's Point ..	29·99	46	S	4	o	29·87	−·23	45	43	+5	NW	4	bc	4	0.T	#	47	40	—
	Pembroke (St. Ann's Hd.)	30·07	45	SW	2	o	29·99	−·07	43	43	+1	SSE	4	rq	4	c.o	3·5	47	37	—
	Scilly	30·06	46	S	1	c	29·93	−·13	48	48	+2	SSE	4	m	3	c	2·4	49	41	0·10
	Prawle Point ...	30·10	44	SSW	3	c	30·07	·00	43	41	+7	SE	5	ow	4	c	#	50	38	—
	Jersey (St. Aubin's)	30·10	45	NNW	3	bm	30·13	+·11	40	42	0	SE	3	cm	3	bm,r	#	48	34	—
	Hurst Castle ...	30·09	43	ENE	1	c	30·13	+·11	38	37	0	ENE	1	bcm	1	c	#	46	31	—
	Dungeness ...	30·05	43	NNW	3	c	30·10	+·11	36	35	0	NW	2	c	1	c	#	44	31	—
	North Foreland	30·07	40	NW	3	o	30·10	+·14	38	37	−1	NW	3	o	3	o	#	43	36	—
	London (Brixton) ...	30·09	40	NE	1	o	30·14	+·10	35	34	−1	SSW	1	m	#	c,m,b	0·4	42	33	—
	Oxford	30·14	40	E	1	o	30·15	+·10	29	29	−9	L	0	f	#	o	#	45	29	—
	Cambridge ...	30·11	40	NNW	1	o	30·14	+·08	37	36	+1	NNW	0	o	#	o	0·2	44	31	—
	Yarmouth ...	30·08	40	N	2	bc	30·05	+·07	39	37	−1	N	4	c	4	bc	#	42	34	0·05
Germany & Holland	Cuxhaven ...	29·85	36	NE	3	o	30·02	+·21	36	36	+2	E	1	o	#	s,r,o	#	37	34	0·20
	Berlin	29·88	39	SW	2	o	30·00	+·31	35	34	0	NW	3	c	#	o	#	41	34	0·04
	Wiesbaden ...	#	#	#	#	#	30·00		35	35		NW	3	o	#	#	#	43	34	0·16
	Munich... ..	29·91	33	SW	2	b	30·06	+·28	33	32	+2	W	5	o	#	b	#	41	30	0·04
	The Helder ...	29·93	36	N	5	r	30·02	+·11	38	36	−1	ENE	2	o	1	r	#	41	36	0·16
Belgium.	Brussels ...	#	#	#	#	#	30·06	+·13	35	35	+1	WNW	2	r	#	o	#	42	32	0·24
	Cape Gris Nez...	30·02	40	ENE	2	o	30·06	+·14	39	37	0	N	3	o	3	o	#	45	36	0·08
	Paris	30·06	42	NNW	3	r	30·17	+·16	28	28	−7	SSW	2	f	#	r	#	48	28	—
	Brest	30·10	47	WNW	1	bc	30·02	−·04	47	45	+3	SSE	4	o	3	bc	#	50	37	0·08
	Lorient... ...	30·10	46	NW	3	bc	30·09	+·08	44	44	+4	WSW	3	c	2	bc	#	55	36	—
France &	Rochefort ...	30·10	44	NW	5	o	30·14	+·10	42	42	−4	S	2	o	#	o	#	52	41	0·08
	Belfort	29·95	36	W	2	o	?	?	32	31	+1	WSW	3	m	#	o	#	44	31	—
	Lyons	30·02	37	NW	1	b	30·21	+·36	31	30	−5	NNW	1	b	#	b,s	#	30	30	0·04
	Nice	29·78	46	SW	1	c	29·97	+·28	41	32	+3	NE	3	b	3	c	#	55	37	—
	Perpignan ...	30·02	44	NW	3	o	30·20	+·28	42	38	−1	NW	2	b	#	o	#	53	38	—
	Biarritz ...	30·14	47	N	5	r	30·16	+·12	45	42	−4	S	3	o	2	rh	#	59	41	0·24
Penin-sula.	Corunna ...																#			
	Lisbon	30·30	51	NW	3	b	30·28	−·05	51	49	−3	NW	3	bc	#	b	#	59	48	—
	Azores (P. Delgada)	30·38	55	NNE	4	b	30·36	+·02	54	49	−6	NNW	1	o	2	b	#	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 2·3 hrs; Brighton 6·4 hrs; Eastbourne 6·0 hrs; Hastings 6·4 hrs; Ventnor 1·8 hrs.

WEATHER CHARTS

FOR MONDAY, 8TH MARCH, 1897.

BAROMETER, WIND AND SEA.

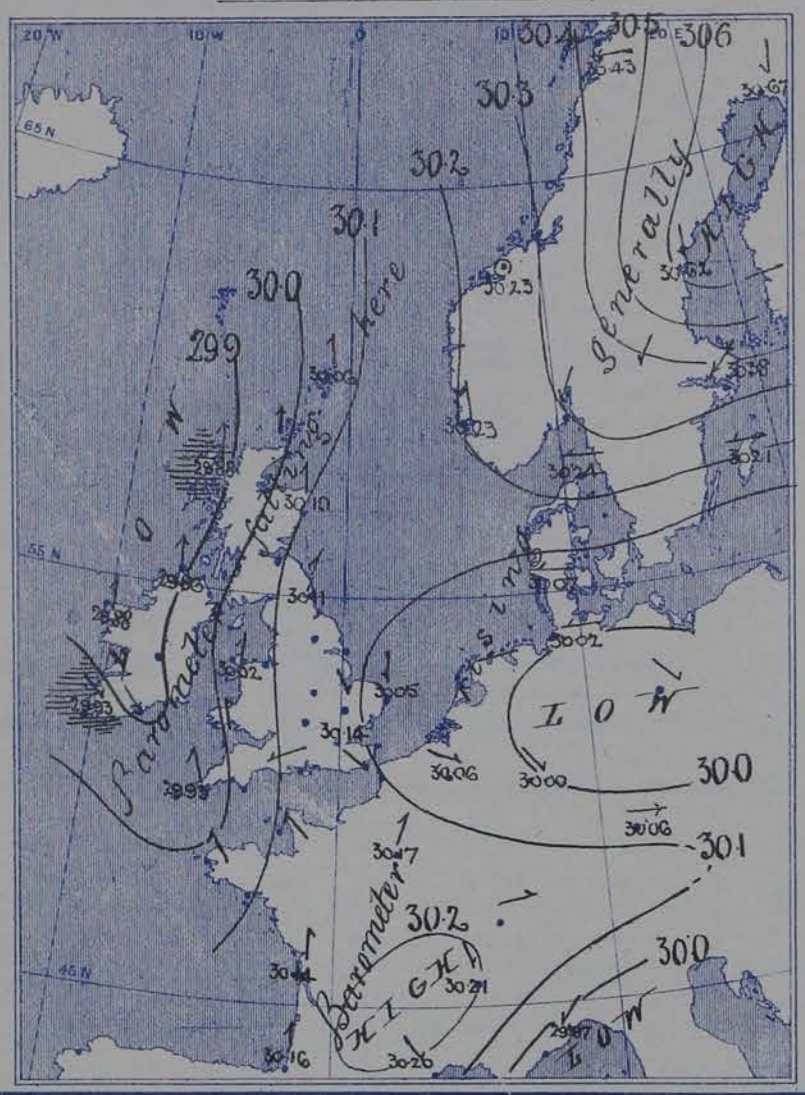
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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* ▤

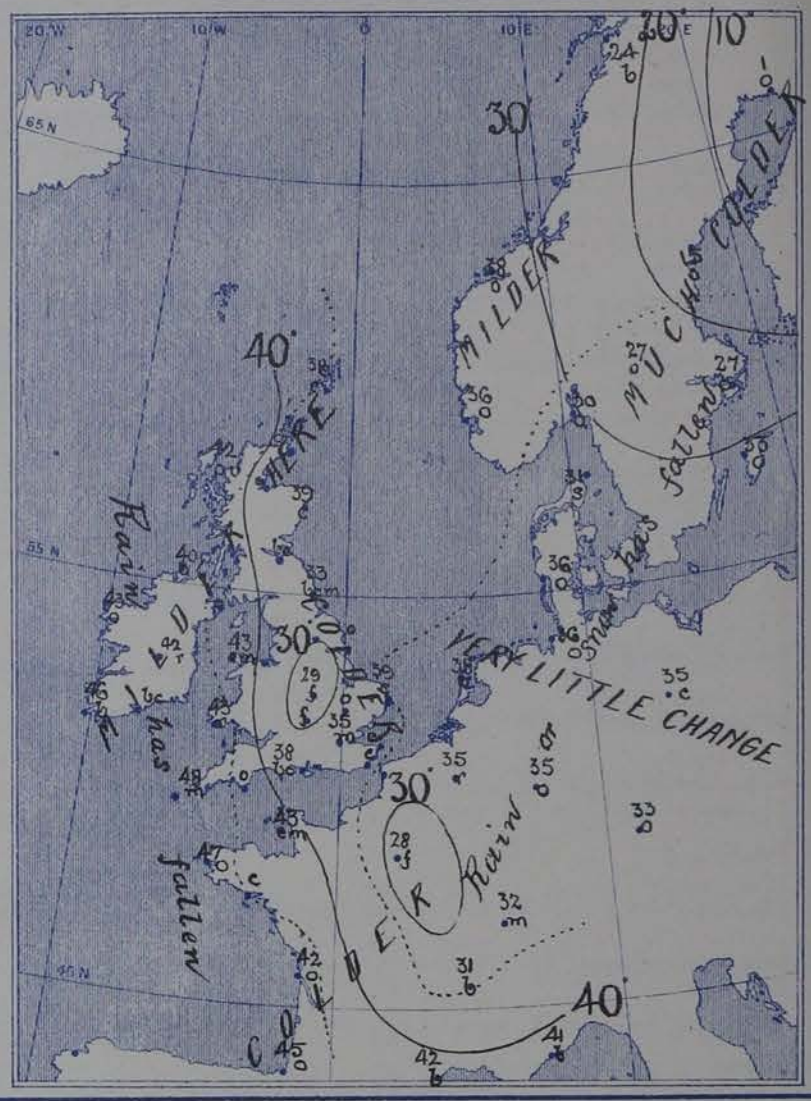


TEMPERATURE & WEATHER.

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 MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1870	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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 30.2 ins. in an anticyclone covering Finland, Sweden and Norway, and exceeding 30.2 ins. over the southwestern parts of France also – the two regions being united by a "col" lying over the Nth. parts of the North Sea, England and the North of France.
Lowest about 30.0 ins. over N. Germany, and below 29.9 ins. over Ireland & the extreme W. of Scotland.
Gradients slight to moderate, and favourable for N'ly winds over our Eth. districts & S'ly in the W.
Barometer rising at the Continental stations, falling on our northern and western coasts, and the fall was spreading eastwards.

TEMPERATURE

Highest 51° at Lisbon, 48° at Biarritz, 47° to 42° on other parts of our Wth. coasts and the west coast of France.
Lowest 1° F. at Haparanda, and much below the freezing point over Lapland and Sweden generally; 28° at Paris, 29° at Oxford and Loughborough.
There had been a very sharp frost over the inland parts of England during the night, the lowest values being 27° in the shade and 20° on the grass at Loughborough.

WIND

Very light to moderate over the eastern parts of our area – E'ly over Denmark, N'ly on our east coasts, NW'ly over Germany, S'ly, and fresh, at nearly all our western stations, but NW'ly at Valencia (Ireland)

WEATHER

Fine or foggy over our eastern districts as a whole; dull in the west, with rain at several stations. Rain has fallen generally on our most western coasts, and rain or snow at most of the Continental stations. Over England the weather has been dry. Bright Sunshine recorded yesterday has been 6.5 hrs. at Stornoway, 3.5 hrs. at Pembroke and more than 6 hrs. at Brighton, Eastbourne and Hastings; less than half an hour, however in London and at Cambridge.

SEA

Rather rough at Valencia and Stornoway, moderate to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The S'ly current of air is spreading slowly to the eastward, but is of no great strength at present.

FORECASTS

For the 24 hours ending at NOON on 9TH MARCH 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S'ly winds, strong; some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Very variable breezes, finally S'ly; cold and hazy or foggy; then milder and probably rainy.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
▼ 6	SCOTLAND WEST	Wind varying greatly both in direction and force; weather changeable, some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
▼ 9	IRELAND NORTH	
▼ 10	IRELAND SOUTH	
	WARNINGS	At 6.50 pm. yesterday to districts 6, 9 and 10. Hoist South 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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·14	47	40	N	1	b	2
Sumburgh Head							
Stornoway	30·04	48	44	SSE	2	b	1
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29·99	44	41	ESE	4	o	2
Belmullet	29·96	44	42	SSE	3	o	*
Holyhead							
Valencia							
Scilly							
Jersey	30·08	47	44	N	3	bc	3
Hurst Castle ...							
Dungeness ...	30·04	44	40	N	3	bc	2
North Foreland	30·07	42	39	NW	4	o	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·04	51	47	NW	5	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 28TH FEB. TO 6TH MAR. 1897.

The weather experienced during the greater part of this week was more stormy than any we have experienced for some months past. At first there were depressions moving from SW. to NE. outside our western coasts, and causing S. ½ gales over the western and northern parts of the Kingdom and very changeable, rainy weather generally. On Tuesday night, however, a very well marked system came directly over England, and S. ½ to W. ½ gales of great severity spread all over our southern and southeastern counties accompanied by large quantities of rain and followed by squalls of hail and sleet, accompanied by thunder and lightning in many places. The force of the gale was very great over the English Channel, the Straits of Dover, the N. of France, and the Netherlands, and the sea was very high in the Channel.

After Thursday the conditions became quieter, and towards the end of the week the SW. ½ current was giving way to breezes from the NW., bringing with them colder, but rather drier weather. The transition from S. ½ to N. ½ winds was marked by sharp showers of cold rain, wet snow and hail, the change taking place in London late on Saturday night.

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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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 9th March, 1897.

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 Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·65	3	Z	0	b	30·65	—·02	3	3	+ 2	SE	2	o	*	b	*	16	−8	—
	Hernösand ...	30·62	19	N	2	o	30·62	·00	16	15	+ 1	N	4	o	*	o	*	23	14	—
	Stockholm ...	30·44	27	NE	6	o	30·47	+·09	26	25	− 1	ENE	6	o	*	o	*	32	21	—
	Wisby	30·26	30	NE	6	s	30·32	+·11	31	31	− 2	E	4	c	*	s	*	34	27	0·08
	Karlstad ...	30·44	26	NE	4	o	30·47	+·11	26	24	− 1	ENE	2	o	*	o	*	*	*	—
	Bodö	30·37	31	E	2	b	30·34	−·09	31	28	+ 7	E	4	b	1	b	*	32	21	—
	Christiansund ...	30·28	38	Z	o	b	30·24	+·01	35	33	− 3	Z	o	b	2	b	*	45	35	—
	Skudesnaes ...	30·31	37	S	3	o	30·30	+·07	33	31	− 3	SSE	7	c	4	o	*	38	32	*
	Færder (Christiania Fjord)	30·41	29	NE	4	o	30·44	+·11	26	25	− 4	NNE	4	o	2	o	*	30	25	—
	Skagen (The Scaw)	30·32	30	E	3	o	30·36	+·12	29	28	− 2	E	4	o	1	o	*	32	27	0·08
	Fanö	30·20	35	E	2	o	30·23	+·16	33	33	− 3	E	2	c	*	o	*	39	33	—
	Sumburgh Head	30·01	40	SE	4	o	29·82	−·24	41	39	+ 3	SSE	6	o	7	o	*	43	38	—
	Stornoway ...	29·77	43	SSW	7	o	29·62	−·26	42	41	o	WSW	3	o	4	T.o	0·0	43	38	0·16
	Wick	29·93	41	S	5	o	29·73	−·23	41	41	+ 1	S	6	rw	5	o	*	43	40	0·10
	Nairn	29·91	43	SSE	3	o	29·70	−·28	44	42	+ 5	SSW	3	c	2	o	*	46	37	—
	Aberdeen ...	30·04	40	SE	5	ogq	29·89	−·21	40	39	+ 1	SSE	6	orgq	6	cq, ogq	1·5	42	39	0·03
British Islands.	Leith	30·01	43	SW	2	o	29·85	−·21	44	41	+ 8	S	3	o	*	o	*	46	34	0·02
	Shields	30·07	40	ESE	3	cm	29·98	−·13	38	37	+ 5	S	3	d	3	cm	*	44	33	0·02
	Spurn Head ...	30·10	40	ESE	3	cv	30·08	−·02	36	36	− 2	SSE	4	ef	4	cv,	*	44	34	—
	York	30·10	42	E	1	bc	30·06	−·07	37	35	+ 5	ESE	2	o	*	bc	3·7	46	30	—
	Loughborough ...	30·10	41	SE	2	b	30·08	−·06	37	36	+ 8	SE	3	om	*	c.bc.b.o	*	49	29	—
	Ardrossan ...	29·93	44	SSE	3	om	29·77	−·23	44	44	+ 4	SSE	4	rm	3	c.om	*	45	39	0·06
	Malin Head ...	29·78	43	S	5	ogm	29·71	−·15	41	40	+ 1	S	4	c	2	ogm	*	44	39	0·06
	Belmullet ...	29·77	45	SSW	5	o	29·72	−·16	44	43	+ 1	SSW	4	o	*	bc.o	*	49	39	0·12
	Donaghadee ...	29·93	43	SSE	6	r	29·81	−·19	45	45	+ 2	SW	6	o	4	r	*	46	41	0·16
	Liverpool (Bidston)	30·04	44	SE	3	o	29·98	−·11	38	37	+ 4	SE	4	r	?	o	*	46	34	0·09
	Holyhead ...	29·96	44	S	4	ogm	29·90	−·12	44	43	+ 1	S	6	dm	4	op ogm	*	46	41	0·04
	Parsonstown ...	29·87	48	S	1	o	29·83	−·07	43	42	+ 1	S	1	b	*	o.r	1·9	53	41	0·13
	Valencia ...	29·87	49	S	4	og	29·84	−·09	46	45	o	SSW	3	o	4	c.og	5·2	53	44	0·23
	Roche's Point ..	29·93	48	SW	4	c	29·89	+·02	47	47	+ 2	WNW	2	rm	8	c	*	52	45	0·10
	Pembroke (St. Ann's Hd.)	29·99	44	S	4	r	29·96	−·03	45	45	+ 2	S	4	dq	4	r	0·0	45	43	0·20
	Scilly	29·97	46	NNW	2	r	29·97	+·04	49	49	+ 1	SSW	4	m	3	m.r	0·0	50	45	0·27
	Prawle Point ...	30·04	45	ESE	4	c	30·05	−·02	45	45	+ 2	SSE	2	f	2	c.f	*	45	41	0·02
	Jersey (St. Aubin's)	30·06	48	SSE	3	ogm	30·09	−·04	47	47	+ 4	WSW	3	omd	3	c.ogm	*	49	42	0·03
	Hurst Castle ...	30·10	42	ESE	2	cm	30·07	−·06	45	44	+ 7	ESE	2	om	2	bm, cm	*	47	36	—
	Dungeness ...	30·12	42	SW	2	c	30·15	+·05	42	39	+ 6	SSE	4	b	3	c	*	44	35	—
	North Foreland	30·15	41	NW	2	o	30·15	+·05	40	39	+ 2	SSE	3	bm	2	o	*	43	36	—
	London (Brixton) ...	30·12	40	SE	2	bm	30·10	−·04	37	35	+ 2	ESE	1	c	*	bf, bm	0·0	44	30	—
	Oxford	30·12	39	SE	2	bc	30·09	−·06	38	36	+ 9	SSE	2	o	*	bc	*	47	29	—
	Cambridge ...	30·14	42	N	1	o	30·14	·00	35	33	− 2	ESE	1	om	*	o	0·3	45	28	—
	Yarmouth ...	30·09	40	ENE	3	cv	30·13	+·08	39	37	o	SSE	4	cg	4	c.cv	*	42	36	0·01
Germany & Holland.	Cuxhaven ...	30·11	36	E	3	o	30·18	+·16	32	32	− 4	E	2	op	*	m.o	*	37	32	—
	Berlin	30·06	35	NNE	3	o	30·16	+·16	34	32	− 1	WNW	2	c	*	o	*	41	32	0·04
	Wiesbaden ...	*	*	*	*	*	30·21	+·21	37	36	+ 2	NW	2	o	*	*	*	41	35	0·04
	Munich... ..	30·13	33	SW	3	c	30·22	+·16	32	31	− 1	W	3	c	*	c	*	36	30	0·04
	The Helder ...	30·14	37	ESE	1	o	30·19	+·17	38	37	o	E	1	o	1	o	*	38	37	—
Belgium.	Brussels ...	*	*	*	*	*	30·26	+·20	36	36	+ 1	SE	1	o	*	o	*	40	35	0·04
	Cape Gris Nez...	30·08	41	NNW	1	o	30·10	+·04	35	33	− 4	SE	2	b	1	o	*	43	32	—
	Paris	30·15	39	N	1	bc	30·20	+·03	29	29	+ 1	SSE	1	m	*	bc	*	45	27	—
	Brest	30·01	49	W	4	b	30·09	+·07	48	47	+ 1	WSW	2	bc	3	b	*	50	43	0·20
	Lorient... ...	30·05	46	WNW	3	bc	30·13	+·04	45	44	+ 1	WNW	3	bc	2	bc	*	54	41	0·28
France &	Rochefort ...	30·17	48	SSW	2	r	30·19	+·05	47	46	+ 5	S	3	r	*	r	*	54	42	0·16
	Belfort	30·17	39	W	1	m	30·23	?	32	32	o	Z	o	m	*	m	*	35	32	—
	Lyons	30·20	40	NE	1	c	30·26	+·05	32	30	+ 1	ENE	1	b	*	c	*	48	31	—
	Nice	30·00	44	Z	o	b	30·11	+·14	37	32	− 4	Z	o	b	2	b	*	55	36	—
	Perpignan ...	30·15	49	NW	2	b	30·24	+·04	43	42	+ 1	Z	o	o	*	b	*	58	39	—
	Biarritz ...	30·15	53	Z	o	o	30·19	+·03	51	48	+ 6	WNW	5	c	4	o	*	59	45	0·12
Penin-sula.	Corunna ...																*			
	Lisbon	30·25	53	NW	4	b	30·29	+·01	51	49	o	N	1	b	*	b	*	59	50	—
	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 6·0 hrs; Brighton 9·0 hrs; Eastbourne 9·8 hrs; Hastings 6·6 hrs; Ventnor 7·8 hrs.

WEATHER CHARTS

FOR Tuesday, 9th March 1897.

BAROMETER, WIND AND SEA.

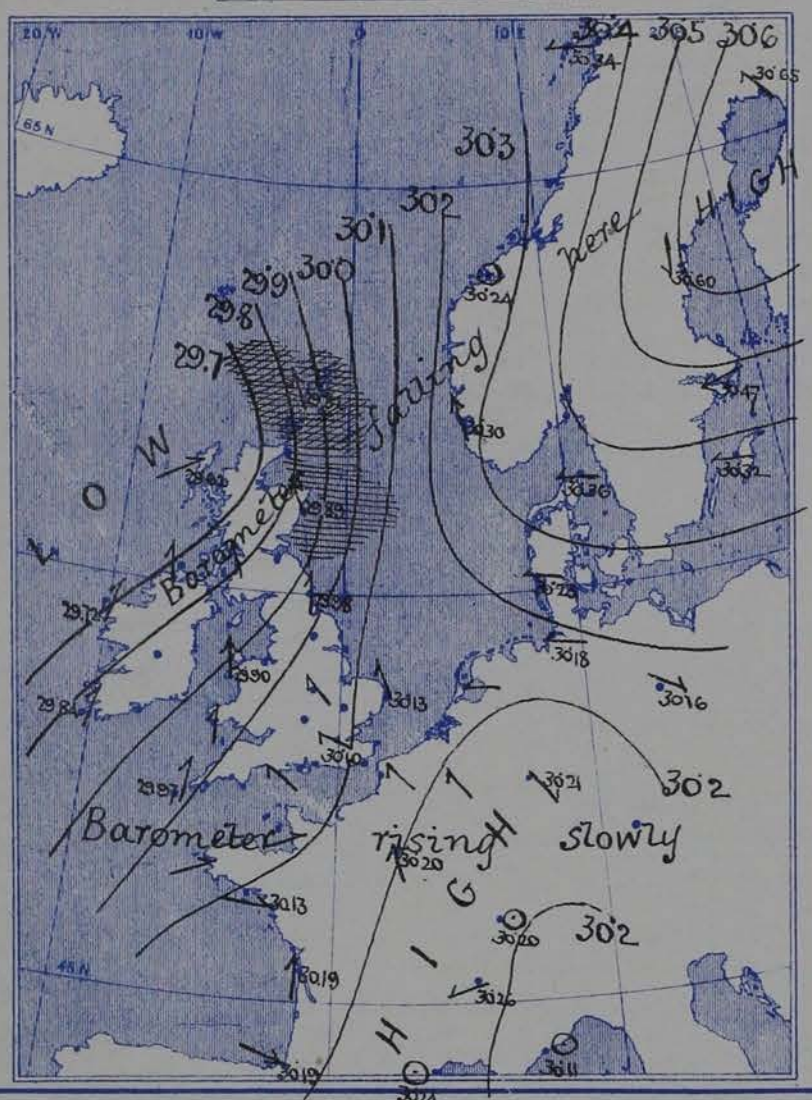
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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 MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means. 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 · 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 925	40 · 1	38 · 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 8	66	1871, 93, 94	21	1890	2 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* 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 Gulf of Bothnia; 30.2 ins. & upwards in an anticyclone lying over the whole of Scandinavia and Denmark & also in another system over W. Germany & the Central parts of France.

Lowest 29.7 ins. and less in a depression lying over the north western parts of Scotland.

Gradients slight generally, but rather steep over the east of Scotland & the northern parts of the North Sea.

Barometer falling a little in the northern parts of Great Britain & also in the west of Norway, but rising elsewhere.

TEMPERATURE

Highest 51° at Biarritz, 49° at Scilly, 48° at Brest & 47° at Roche's Point, Jersey and Rochefort.

Lowest 31° at Haparanda, 16° at Hernösand & 26° at Stockholm, Karlstad & Jaerder; lowest in our islands, 35° at Cambridge.

The maxima registered yesterday were below 45° at many of our northern, eastern and south-eastern stations, but a little above 50° in the south of Ireland.

WIND

S'ly in all the more western and northern parts of our islands & strong in force in the Irish Sea & the east of Scotland.

Light to moderate from the E'ly over Scandinavia, Denmark & North Germany, & from the SE'ly over the greater part of England.

W'ly in the west of France & also over the greater part of Germany; Calm or variable in the east & south of France.

WEATHER

Dull in all the more western and northern parts of the United Kingdom, with mist & rain in many places, fair or fine in the south east of England.

Cloudy over the western parts of the Continent generally, with rain at Rochefort & slight snow at Cuxhaven; fine and bright in the west of Norway and also in the south of France.

Since yesterday morning rain has fallen in the west & north of our islands generally, as well as at many of the French and German stations. A solar halo was seen yesterday at Oxford.

SEA

High at Flamborough Head & rough off the east of Scotland, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Depressions continue to move northwards along our extreme western coast and the dull unsettled weather in the west and north seems likely to spread over England.

FORECASTS

For the 24 hours ending at NOON on 11th MARCH 1897.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S'ly strong winds or gales; unsettled, rain at times.
1 SCOTLAND EAST	
2 ENGLAND N.E.	SE'ly winds, moderate; dull, some rain.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	S'ly winds, strong; unsettled, rain at times.
7 ENGLAND N.W.	
8 ENGLAND S.W.	S'ly winds, moderate; dull misty, some rain
9 IRELAND NORTH	Same as Nos 6 and 7.
10 IRELAND SOUTH	
WARNINGS	At 7.10 p.m. yesterday to districts 0 & 1. HOIST SOUTH CONE. The SIGNALS are still flying there and also in districts 6, 9 and 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.

L

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·18	38	36	NE	0	o	1
Sumburgh Head	30·03	41	39	S	4	o	5
Stornoway	29·83	42	40	SSW	6	o	7
Aberdeen	30·07	41	37	SSE	4	cq	3
Shields	30·09	41	38	E	2	cm	2
Ardrossan	29·95	45	44	ESE	3	c	2
Malin Head ...	29·82	44	43	S	6	o	2
Belmullet	29·85	49	47	SSW	3	bu	*
Holyhead	29·99	46	43	S	4	omp	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·90	51	48	SSW	3	c	5
Scilly	29·94	49	49	SE	4	m	3
Jersey	30·08	47	46	SE	3	c	3
Hurst Castle ...	30·11	47	43	SE	2	bcm	1
Dungeness ...	30·12	43	39	N	2	c	1
North Foreland	30·15	41	38	NW	2	o	2
London (Westminster)	30·11	44	39	S	1	f	*
Yarmouth ...	30·09	42	40	NNE	3	c	4
Rochefort ...	30·12	51	49	SSW	2	o	*

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

Weather in morning dull in the west and north of our islands generally, with rain at Parsonstown & Pembroke, but fine in the extreme south of Ireland; foggy over Central England; fair on our Eastern and southeastern coasts. Cloudy or dull at most of the Continental stations, with fog over North Germany & Central France, rain at Breslau & snow at Hernösand, Skagen & Memel; fine over Northern Italy. Rain falling later in the west and north of our islands generally as well as in many parts of France and Germany; solar halo seen at Oxford.

Temperature risen in the west and north of our islands, but fallen in most other part of Europe. Morning readings highest 55° at Algiers, 53° at Corunna & Constantinople & 52° at Barcelona; above 45° on our own extreme southwest coast. Lowest 1° at Haparanda, 9° at Archangel, 15° at Hernösand and 19° at Ulcaborg; below the freezing point in most parts of Russia & Scandinavia & also in the Central parts of England. Daily maxima were below 45° at many of our own northern, Eastern and southeastern stations, but thermometer exceeding 50° in the south of Ireland; exceeding 55° in the south of France & reaching 59° at Biarritz & also at Lisbon. Frost occurring in the southeast of England at night.

Wind light to fresh from the S.W. or S.E. over the west and north of our islands generally & also in the west of France, but N.W. in the south of Ireland. E. or N.E. over the northern parts of the Continent, with a gale at Stockholm; N. or N.W. on the East and southeast coasts of England; W. or N.W. over Germany & Austria. Variable over Italy and the Spanish peninsula; N.W. in the extreme south of France. Subsequently increasing to a gale from the S.W. on some parts of the Scotch coasts; no important change occurring.

Barometer highest 30·6 ins. & upwards over the Gulf of Bothnia and the north of Finland; 30·2 ins. & upwards in an anticyclone covering the whole of Scandinavia & northern Russia as well as in another system over Spain and Morocco. Lowest 29·8 ins. & less in a "V" shaped depression over our own extreme west coast. Latter system spreading eastwards later; new disturbances beginning to approach our west coast.

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, 10th March, 1897.

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 Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·21	-2	NW	0	f	30·20	-·45	-7	-8	-10	NW	0	bc	*	f	*	14	-11	-
	Hernösand ...	30·58	15	NW	0	0	30·55	-·07	13	13	-3	NW	0	f	*	0	*	19	12	-
	Stockholm ...	30·49	26	ENE	4	0	30·44	-·03	25	24	-1	ENE	2	0	*	0	*	30	23	
	Wisby	30·39	30	E	4	S	30·35	+·03	27	26	-4	E	4	0	*	S	*	34	26	0·04
	Karlstad ...	30·46	27	ENE	2	S	30·38	-·09	26	25	0	ENE	2	S	*	S	*	*	*	-
	Bodö	30·26	35	E	4	b	30·21	-·13	30	24	-1	E	6	b	1	b	*	39	27	-
	Christiansund ...	30·17	37	ESE	1	b	30·10	-·14	36	34	+1	NW	0	b	2	b	*	43	34	-
	Skudesnaes ...	30·21	35	SE	8	0	30·04	-·26	36	33	+3	ESE	8	0	4	bc.o	*	37	32	*
	Færder (Christiania Fjord)	30·43	26	NE	4	0	30·30	-·14	29	29	+3	NE	3	S	2	0	*	29	25	-
	Skagen (The Scaw)	30·32	32	E	3	0	30·24	-·12	33	32	+4	SE	4	0	1	0	*	34	28	0·04
	Fano	30·21	35	E	2	0	30·10	-·13	34	34	+1	E	4	0	*	0	*	37	33	-
British Isles.	Sumburgh Head	29·77	40	ESE	6	r	29·60	-·22	39	38	-2	SSE	7	r	8	r	*	42	37	0·19
	Stornoway ...	29·57	42	SSW	4	0	29·46	-·16	37	37	-5	NNW	4	r	4	c,or	1·8	43	35	0·70
	Wick	29·68	41	S	6	bc	29·40	-·33	43	43	+2	S	7	0 u	6	bc	*	45	40	-
	Nairn	29·66	46	SSE	1	bc	29·44	-·26	40	39	-4	NNW	1	r	1	bc	*	54	37	0·05
	Aberdeen ...	29·79	41	SSE	6	o q q	29·52	-·37	38	37	-2	S	3	bc	5	r q.o q.r	0·0	42	38	0·19
	Leith	29·76	43	S	2	bc	29·55	-·30	38	37	-6	NNW	3	bc	*	bc	*	46	37	0·06
	Shields	29·87	42	S	3	r	29·66	-·32	40	38	+2	SW	2	bc	2	p.r	*	44	36	0·06
	Spurn Head ...	29·94	42	SSE	4	op	29·79	-·29	40	39	+4	NNW	4	b	4	o.r	*	43	36	0·07
	York	29·93	43	E	2	m	29·77	-·29	38	37	+1	W	2	o	*	o.m	0·0	43	36	0·05
	Loughborough ...	29·94	44	SSE	2	o	29·86	-·22	38	36	+1	SW	3	b	*	o.m.p.bc	*	46	37	0·09
	Ardrossan ...	29·70	45	S	3	bm	29·61	-·16	39	38	-5	SW	5	o	4	c.m.b.l	*	46	37	0·27
	Malin Head ...	29·52	45	S	6	o u	29·65	-·06	41	39	0	W	5	o q	2	bc.h.g.l	*	50	35	0·06
	Belmullet ...	29·57	43	NNW	3	o r s q p	29·78	+·06	44	41	0	NNW	5	o p q	*	t l, r s q	*	48	37	0·56
	Donaghadee ...	29·70	46	SSW	5	b	29·74	-·07	37	37	-8	NNW	5	c	3	b	*	50	34	0·12
	Liverpool (Bidston)	29·85	45	SE	3	bc	29·81	-·17	40	36	+2	SW	4	b	4	p.bc	*	46	36	0·10
	Holyhead ...	29·79	44	S	4	f	29·83	-·07	41	39	-3	NNW	4	c	4	o g d. f	*	47	37	0·10
	Parsonstown ...	29·68	45	SW	3	r	29·85	+·02	38	36	-5	SW	1	c	*	c.r	1·5	52	34	0·12
	Valencia ...	29·93	42	SW	5	c p	29·91	+·07	42	39	-4	SW	4	c p	5	c p	2·6	52	38	0·20
	Roche's Point ...	29·77	47	NNW	5	p	29·94	+·05	40	39	-7	NNW	3	c	3	p	*	50	36	0·02
	Pembroke (St. Ann's Hd.)	29·87	46	SW	4	f	29·93	-·03	44	42	-1	W	5	b	5	f	0·0	47	41	0·21
	Scilly	29·94	50	SW	3	o	30·03	+·06	46	44	-3	W	4	bc	5	o m.o	0·6	53	43	0·04
	Prawle Point ...	29·97	46	NNW	4	o	30·04	-·01	43	40	-2	W	4	bc	3	r f. p	*	47	41	0·18
	Jersey (St. Anbin's)	30·05	49	SSW	4	o q r m	30·09	·00	46	45	-1	W	3	o m r	3	o. p	*	53	43	0·26
	Hurst Castle ...	29·98	47	SSW	4	r m	30·00	-·07	43	41	-2	NNW	3	bc	2	o m r m	*	48	42	0·16
	Dungeness ...	30·03	45	S	3	o p	29·95	-·20	43	42	+1	NNW	3	bc	2	o. o p	*	47	40	0·15
	North Foreland	30·08	44	SE	2	o	29·95	-·20	44	43	+4	W	4	c	3	c. o	*	47	40	0·29
	London (Brixton) ...	30·02	45	SSW	3	o d	29·96	-·14	42	39	+5	SW	1	b	*	c.o r.b	0·2	48	36	0·21
	Oxford	29·92	45	SSE	2	r	29·95	-·14	40	38	+2	NNW	2	b	*	o, r. b	*	46	37	0·08
	Cambridge ...	30·01	45	S	1	r	29·92	-·22	39	38	+4	SW	3	b	*	o r. b	0·0	49	33	0·17
	Yarmouth ...	30·04	40	SE	4	c	29·86	-·27	42	40	+3	W	4	bc	4	c	*	42	37	0·15
Germany & Holland.	Cuxhaven ...	30·21	36	NNE	1	0	30·06	-·12	33	33	+1	SE	3	c	*	0	*	36	32	-
	Berlin	30·27	35	NW	0	0	30·23	+·07	35	33	+1	NW	0	bc	*	0	*	43	34	-
	Wiesbaden ...	*	*	*	*	*	30·12	-·09	35	35	-2	SW	1	r	*	c	*	43	35	0·04
	Munich	30·26	35	SW	2	0	30·20	-·02	34	32	+2	SW	2	0	*	0	*	39	32	-
	The Helder ...	30·15	39	SE	1	bc	29·88	-·31	39	38	+1	SSE	1	r	1	bc	*	41	37	0·04
Belgium.	Brussels ...	*	*	*	*	*	29·97	-·29	44	43	+8	SW	3	0	*	r	*	47	36	0·12
	Cape Gris Nez ...	30·03	44	S	3	r	29·91	-·19	46	44	+11	N	5	0	5	r	*	?	?	0·32
	Paris	30·17	47	SSW	2	bc	30·05	-·15	45	45	+16	S	3	r	*	bc	*	50	29	0·16
	Brest	30·05	51	SSW	3	0	30·07	-·02	45	44	-3	SW	1	c	3	0	*	50	41	0·16
	Lorient	30·12	46	SW	5	r	30·12	-·01	47	45	+2	NNW	3	o	4	r	*	55	45	0·32
France &	Rochefort ...	30·23	52	SW	3	0	30·20	+·01	52	52	+5	NNW	3	0	*	b.o	*	55	47	0·51
	Belfort	30·25	42	NW	0	0	30·18	-·05	33	33	+1	NW	0	r	*	0	*	46	32	0·04
	Lyons	30·27	42	ESE	1	b	30·27	+·01	38	35	+6	E	1	r	*	b	*	52	32	-
	Nice	30·18	45	NW	0	b	30·22	+·11	40	36	+3	E	1	c	1	b	*	55	37	-
	Perpignan ...	30·24	54	NW	1	b	30·31	+·07	48	45	+5	W	1	0	*	b	*	59	43	-
	Biarritz ...	30·28	52	NW	3	c	30·26	+·07	50	45	-1	SSW	3	0	2	c	*	63	46	-
Peninsula.	Corunna ...																*			
	Lisbon	30·33	51	N	5	b	30·38	+·09	51	48	0	N	3	b	*	b	*	63	48	-
	Azores (P. Delgada)	30·41	56	NW	2	c	30·36		57	52		SSW	3	c	3	c	*	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; Brighton 0·8 hrs; Eastbourne 1·7 hrs; Hastings 2·8 hrs; Ventnor 0·0

WEATHER CHARTS

FOR ..... Wednesday, 10th March, ... 1897.

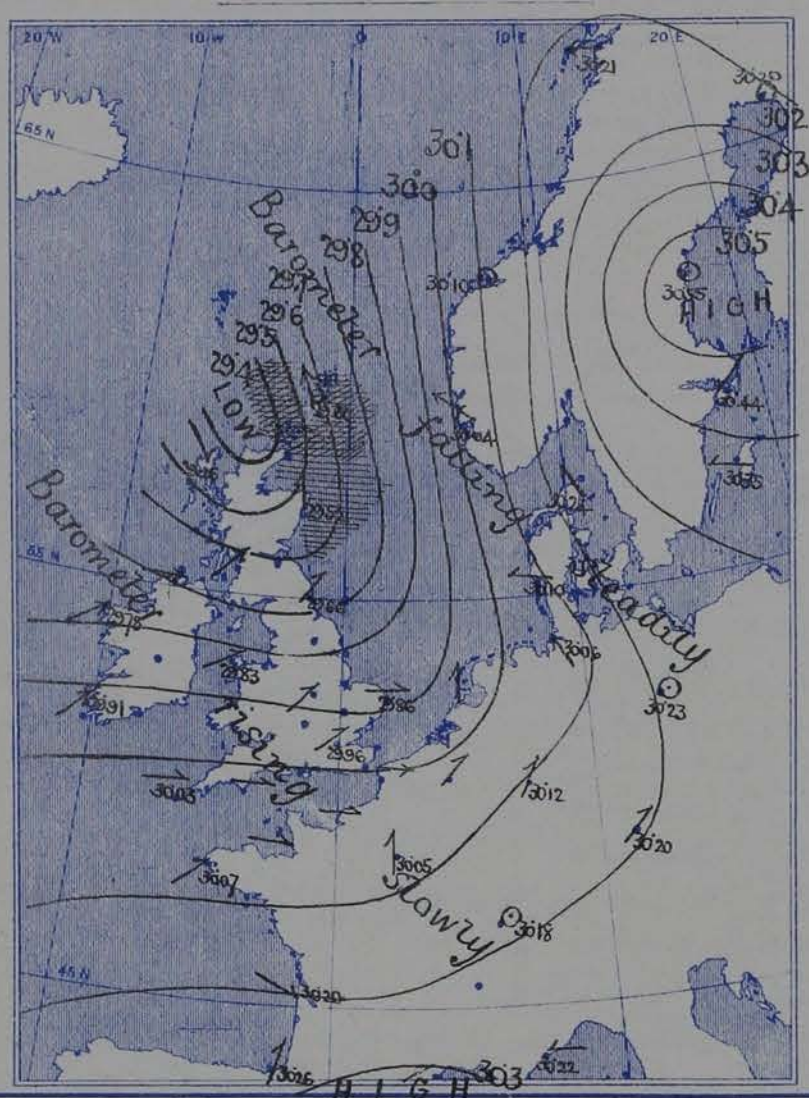
BAROMETER, WIND AND SEA.

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

WIND—Arrows shew 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 ▩

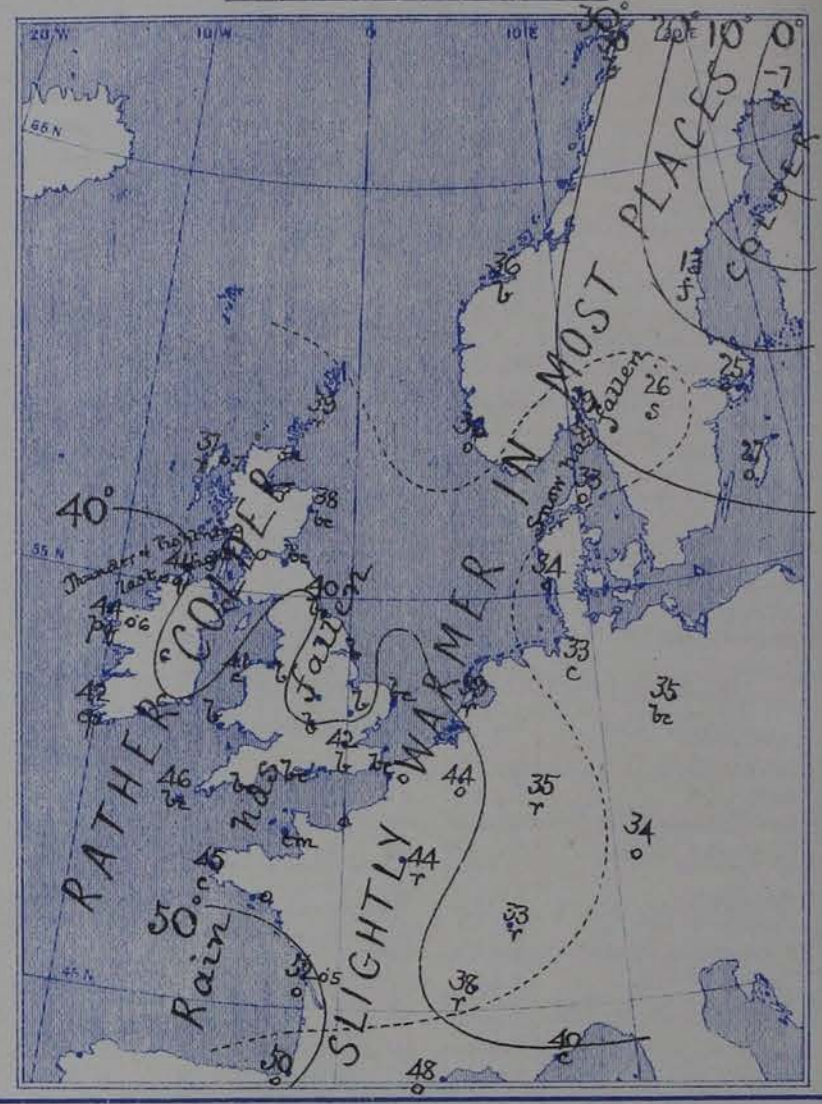


TEMPERATURE & WEATHER.

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 MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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, 30·55 ins. at Haparanda; 30·3 ins. and upwards in an anticyclone covering nearly the whole of Sweden and the Baltic, as well as in other regions on the Synoptic Chart.

Lowest, 29·4 ins. and less, in a well-marked depression with its centre off the north of Scotland.

Gradients moderate or slight generally, but rather steep over the northern part of the North Sea.

Barometer rising in all the more eastern and southern parts of our Islands, but falling elsewhere.

TEMPERATURE

Highest, 52° at Rochefort, 51° at Lisbon, 50° at Biarritz, 46° at Lupiznan, 47° at Brest, and 46° at Scilly and Jersey.

Lowest, −7° F. at Haparanda, +13° at Hernösand, 25° at Stockholm, and 26° at Karlstad; lowest in our Islands 37° at Stornoway and Aberdeen.

During yesterday the thermometer rose to 50° and upwards at several of our eastern and southeastern stations, and to 54° at Nairn.

WIND

Light to fresh from the W.ly or S.W.ly over the greater part of England, Ireland and France, but S.ly in the north of Scotland, with a moderate gale at Dunbeath Head and Wick.

E.ly or S.E.ly over the greater part of Scandinavia and Denmark, with a gale at Skudenaes; calm in the north of Sweden.

WEATHER

Fine over the greater part of the United Kingdom, but showery in the west of Ireland, and rainy in the north of Scotland.

Dull at most of the Continental stations, with rain at the Helder, Wiesbaden, Paris and Lyons, and with snow at Karlstad and Sweden; fine in the north of Scandinavia.

Rain fell yesterday over nearly the whole of our Islands and their neighbourhood, the largest amounts being 0·7 in. at Stornoway, and 0·6 in. at Belmullet. Thunder and lightning occurred yesterday at Belmullet, and lightning was seen at night at Ardrossan and Malin Hd.

SEA

Very high at Dunbeath Head, rough off the north of Scotland generally, and rather rough on our southwest coast, as well as at C. Clear.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the north of Scotland is apparently moving northwards. The wind in the west of Ireland shows, however, no tendency to veer, so that further disturbances are probably advancing.

FORECASTS

For the 24 hours ending at NOON on 11th March, 1897.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S.ly winds, strong, to S.W.ly moderate; squally and rainy at first then fair.
1 SCOTLAND EAST	S.W.ly winds, light; fine at first, some showers later.
2 ENGLAND N.E.	
3 ENGLAND EAST	W.ly and S.W.ly winds, moderate; fair generally, but local showers.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	S.W.ly winds, moderate or fresh; unsettled, some showers.
7 ENGLAND N.W.	
8 ENGLAND S.W.	W.ly to S.W.ly winds, fresh; fine at first, some rain later.
9 IRELAND NORTH	S.W.ly to S.ly winds, freshening; unsettled, some rain.
10 IRELAND SOUTH	
WARNINGS	At 10·25 am today to district 1 Lower Cone The signals are still flying in district 0.

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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·27	37	33	NE	6	bc	4
Sumburgh Head	29·79	40	39	SSE	7	r	7
Stornoway	29·62	45	43	SSW	5	ou	6
Aberdeen	29·63	40	39	SSE	6	orqq	7
Shields	29·92	42	41	S	3	p	2
Ardrossan	29·74	46	45	S	3	cnw	3
Malin Head ...	29·61	50	45	S	6	bc	2
Belmullet	29·64	47	45	SW	6	otlu	*
Holyhead	29·85	46	45	S	4	ogmd	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·76	50	47	S	4	cp	5
Scilly	29·96	51	50	WSW	3	om	4
Jersey	30·10	53	50	SSW	3	c	3
Hurst Castle ...	30·03	48	47	SSW	2	om	2
Dungeness ...	30·08	46	44	S	4	c	3
North Foreland	30·11	46	43	SE	3	c	2
London (Westminster)	30·05	47	44	SSW	2	f	*
Yarmouth ..	30·10	42	40	SSE	4	c	4
Rochefort ...	30·14	53	52	NW	3	b	*

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

Weather in morning dull in all the more western and northern parts of the United Kingdom, with mist and rain in many places; fair or fine in the southeast of England. Dull and unsettled over a considerable portion of the Continent, with rain at Rochefort and snow in several parts of Denmark, North Germany, and the south of Russia. Fine and bright over Finland and the west of Norway, as well as over the Spanish Peninsula and the southern part of France and Italy. Rain falling later over the whole of our Islands and their neighbourhood, heavy in the extreme northwest, where thunder and lightning occurred.

Temperature rises in our Islands and also in the north of Scandinavia, falls in Russia and Denmark. Morning readings highest 55° at Palma, 54° at Barcelona and Algiers and 52° at Malta and Pantellaria; above 45° in our own southwest coasts. Lowest −2° F. at Archangel, +3° at Haparanda and Uleaborg, 6° at Kuopio, 13° at St. Petersburg; below the freezing point over Northern Europe generally. Rising during day to 60° and upwards at several of our own western stations and to 54° at Nairn, exceeding 55° in the south of France, and reaching 63° at Biarritz and Lisbon.

Wind S. in the west and north of our Islands, and strong in force over the Irish Sea and east of Scotland. Light to moderate from the SE. over the greater part of England. E. over northern Europe generally, but W. over the greater part of Germany and Austria, as well as in the west of France. Variable in Italy and the south of France; E. (NE. to SE.) over the Spanish Peninsula, subsequently veering to the SW. in the south of our Islands; no important change occurring elsewhere.

Barometer highest 30·72 in. at Kuopio; 30·2 in. and upwards in an anticyclone embracing the whole of northern Europe and also in another system extending from Spain and Algeria over France and Western Germany. Lowest 29·7 in. and less, in a depression off the northwest of our Islands; 29·8 in. and less, in another system over the south of Russia. New depression appearing later off our northwest coasts, and barometer falling 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.

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

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 11th March, 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·57	-4	NW	0	b	30·56	-·05	-10	-11	- 3	NW	0	b	*	b	*	7	-13	-
	Hernösand ...	30·45	8	W	0	b	30·49	-·06	8	8	- 5	NW	0	f	*	b	*	23	7	-
	Stockholm ...	30·36	23	NE	1	0	30·36	-·08	26	24	+ 1	E	4	0	*	0	*	28	21	-
	Wisby	30·28	27	E	4	0	30·29	-·06	28	26	+ 1	E	4	c	*	0	*	28	23	-
	Karlstad ...	30·29	25	NE	2	0	30·31	-·07	23	22	- 3	NE	2	S	*	0	*	*	*	-
	Bodö	30·16	29	E	6	b	30·14	-·07	28	23	- 2	S	7	b	2	b	*	30	25	-
	Christiansund ...	29·97	39	SE	3	b	29·98	-·12	36	30	0	S	3	b	3	b	*	43	36	-
	Skudesnaes ...	29·93	37	SE	8	0	30·02	-·02	37	32	+ 1	SE	6	0	4	m. o	*	38	32	*
	Fierder (Christiania Fjord)	30·05	30	ENE	4	0	30·23	-·07	27	26	- 2	ENE	4	0	3	0 ·	*	30	27	0·12
	Skagen (The Scaw)	30·12	31	SE	4	s	30·16	-·08	31	30	- 2	SE	4	0	1	s	*	34	30	0·08
	Fanö	29·93	35	ESE	4	0	30·03	-·07	37	36	+ 3	W	1	0	*	0	*	39	34	0·16
British Isles.	Sumburgh Head	29·48	40	SSE	7	0	29·74	+·14	40	38	+ 1	S	3	bc	6	r. o	*	40	38	0·12
	Stornoway ...	29·61	41	W	4	cq	29·67	+·21	39	38	+ 2	SSW	3	0	4	hp cq	3·3	45	36	0·08
	Wick	29·55	40	S	4	0	29·71	+·31	38	37	- 5	S	4	bc	3	r : p	*	44	36	0·10
	Nairn	29·62	40	WSW	2	c	29·75	+·31	36	34	- 4	W	0	c	1	c	*	44	31	0·22
	Aberdeen ...	29·69	41	WSW	2	bc	29·84	+·32	38	36	0	SSW	3	bw	2	c q. bc	2·4	43	34	0·06
	Leith	29·75	41	W	3	bc	29·86	+·31	39	37	+ 1	S	2	b	*	bc	*	45	35	0·04
	Shields	29·81	44	SW	3	c	29·93	+·27	39	37	- 1	SW	2	bm	2	c	*	48	35	-
	Spurn Head ...	29·90	42	WSW	3	c	29·99	+·20	42	40	+ 2	WSW	3	bw	3	c	*	47	37	-
	York	29·89	43	W	2	bc	29·99	+·22	34	33	- 4	SSW	1	b	*	bc	4·7	48	32	0·01
	Loughborough ...	29·94	42	WSW	3	bc	30·03	+·17	38	37	0	SSW	2	bcw	*	bc. b. bc	*	52	35	-
	Ardrossan ...	29·78	43	WSW	4	bc	29·81	+·20	42	41	+ 3	SE	3	cm	3	c. bc	*	45	37	-
	Malin Head ...	29·74	39	W	4	cq†	29·67	+·02	38	37	- 3	S	5	oq	3	c. cq†	*	42	34	0·11
	Belmullet ...	29·82	43	W	4	c	29·66	-·12	43	42	- 1	S	3	c	*	c	*	44	37	0·11
	Donaghadee ...	29·84	41	WSW	4	r	29·84	+·10	37	37	0	SW	4	b	2	r	*	49	32	0·03
	Liverpool (Bidston)	29·90	41	WSW	4	b	29·95	+·14	38	36	- 2	S	2	bcp	2	b	*	47	35	0·01
	Holyhead ...	29·91	40	SW	3	cp	29·89	+·06	44	43	+ 3	S	4	c	3	c. cp	*	46	39	0·02
	Parsonstown ...	29·89	40	W	2	b	29·77	-·08	40	39	+ 2	SE	1	0	*	c p r h. b	4·0	46	34	0·08
	Valencia ...	29·93	45	SW	4	cp	29·72	-·19	44	43	+ 2	SW	3	o p	4	bc h p	5·6	48	40	0·34
	Roche's Point ..	29·97	45	WNW	3	c	29·78	-·16	47	47	+ 1	SW	4	r	4	h p. pl	*	49	40	0·20
	Pembroke (St. Ann's Hd.)	29·99	43	W	6	bc	29·92	-·01	46	45	+ 2	SW	4	b	5	bc	9·3	47	?40	0·05
	Scilly	30·07	47	W	5	cp	29·93	-·10	48	48	+ 2	S	5	0	5	bc. cp	8·8	51	44	-
	Prawle Point ...	30·07	44	W	4	bc	30·04	·00	46	45	+ 3	SSE	4	0	3	b cp	*	48	42	0·03
	Jersey (St. Aubin's)	30·14	49	WSW	4	b	30·13	+·04	46	45	0	SSE	3	om	3	bc. ap	*	53	43	0·01
	Hurst Castle ...	30·05	45	WSW	3	c	30·09	+·09	45	43	+ 2	SSW	3	cm	2	bcp. c	*	?49	42	-
	Dungeness ...	30·03	44	SW	4	bc	30·12	+·17	44	43	+ 1	WSW	2	bc	1	bcp. tkr	*	51	38	-
	North Foreland	30·03	43	SW	4	c	30·12	+·17	40	39	- 4	W	2	bw	2	bc. c	*	51	36	-
	London (Brixton) ...	30·03	43	WSW	2	b	30·09	+·13	40	38	- 2	SW	2	b	*	c. thr. b	6·1	50	34	-
	Oxford	30·03	41	SW	3	b	30·07	+·12	38	37	- 2	S	1	bcm	*	bcp. b	*	49	33	-
	Cambridge ...	30·00	43	SW	3	b	30·08	+·16	35	35	- 4	SSW	1	b	*	b	7·7	51	31	-
	Yarmouth ...	29·94	45	WSW	3	c	30·05	+·19	38	36	- 4	WSW	3	bw	3	bc. c	*	48	33	-
Germany & Holland.	Cuxhaven ...	29·93	40	S	5	r	30·06	·00	34	34	+ 1	SW	1	c	*	r	*	43	33	0·16
	Berlin	30·06	40	SE	1	bc	30·08	-·15	37	36	+ 2	W	0	r	*	bc	*	46	35	0·04
	Wiesbaden ...	*	*	*	*	*	30·22	+·10	34	33	- 1	SW	1	b	*	*	*	41	32	0·39
	Munich... ..	30·07	34	W	4	r	30·25	+·05	35	33	+ 1	W	4	c	*	r	*	39	32	0·28
	The Helder ...	29·97	40	SSW	1	b	30·08	+·20	39	38	0	SW	1	b	1	b	*	43	37	-
Belgium.	Brussels ...	*	*	*	*	*	30·18	+·21	38	37	- 6	SW	1	c	*	b	*	48	36	0·04
	Cape Gris Nez																*			
	Paris	30·16	48	NW	2	b	30·23	+·18	36	36	- 9	SSW	1	b	*	b	*	54	35	0·08
	Brest	30·16	49	W	2	c	30·10	+·03	48	45	+ 3	SSE	3	0	3	c	*	52	45	-
	Lorient... ...	30·17	46	WNW	4	c	30·13	+·01	46	44	- 1	S	3	0	2	c	*	55	43	0·04
France &	Rochefort ...	30·29	50	WNW	4	bc	30·27	+·09	46	45	- 6	W	2	f	*	bc	*	57	45	-
	Belfort	30·08	40	NW	5	r	30·27	+·09	33	33	0	W	0	f	*	r	*	42	32	0·28
	Lyons	30·23	45	S	1	r	30·32	+·05	40	39	+ 2	WNW	1	c	*	r	*	48	37	0·12
	Nice	30·12	48	W	0	bc	30·13	-·09	40	37	0	E	1	bc	1	b	*	54	39	-
	Perpignan ...	30·31	57	NW	2	0	30·32	+·01	44	42	- 4	SW	1	b	*	0	*	65	41	-
	Biarritz ...	30·29	53	WSW	2	0	30·19	-·07	45	43	- 5	ESE	3	b	5	0	*	55	43	-
Peninsula.	Corunna ...																*			
	Lisbon	30·32	55	NW	4	b	30·28	- 10	47	47	- 4	NNE	2	f	*	b	*	64	46	-
	Azores (P. Delgada)	30·34	58	WSW	3	0	30·29	-·07	57	55	0	W	0	c	2	0	*	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 9 3 *hrs; Brighton* 9 5 *hrs; Eastbourne* 9 6 *hrs; Hastings* 9 7 *hrs;* Ventnor 9 8 *hrs*

WEATHER CHARTS

FOR Thursday, 11th March 1897.

BAROMETER, WIND AND SEA.

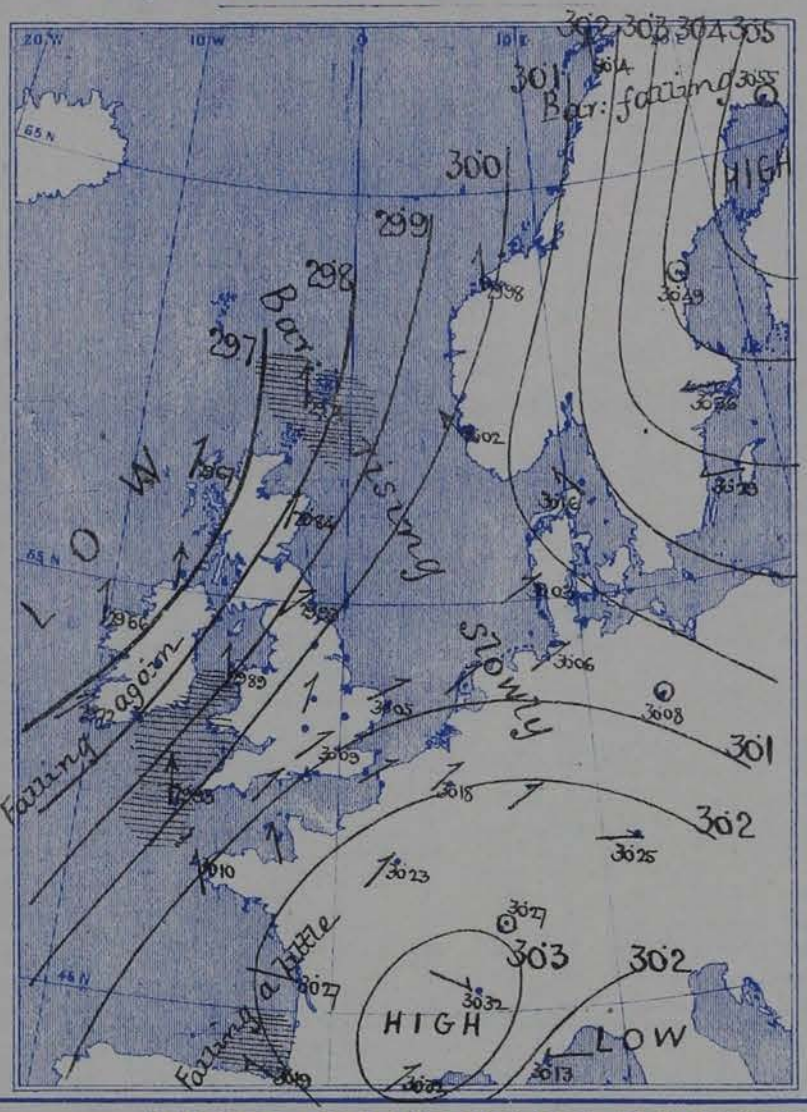
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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 ▩

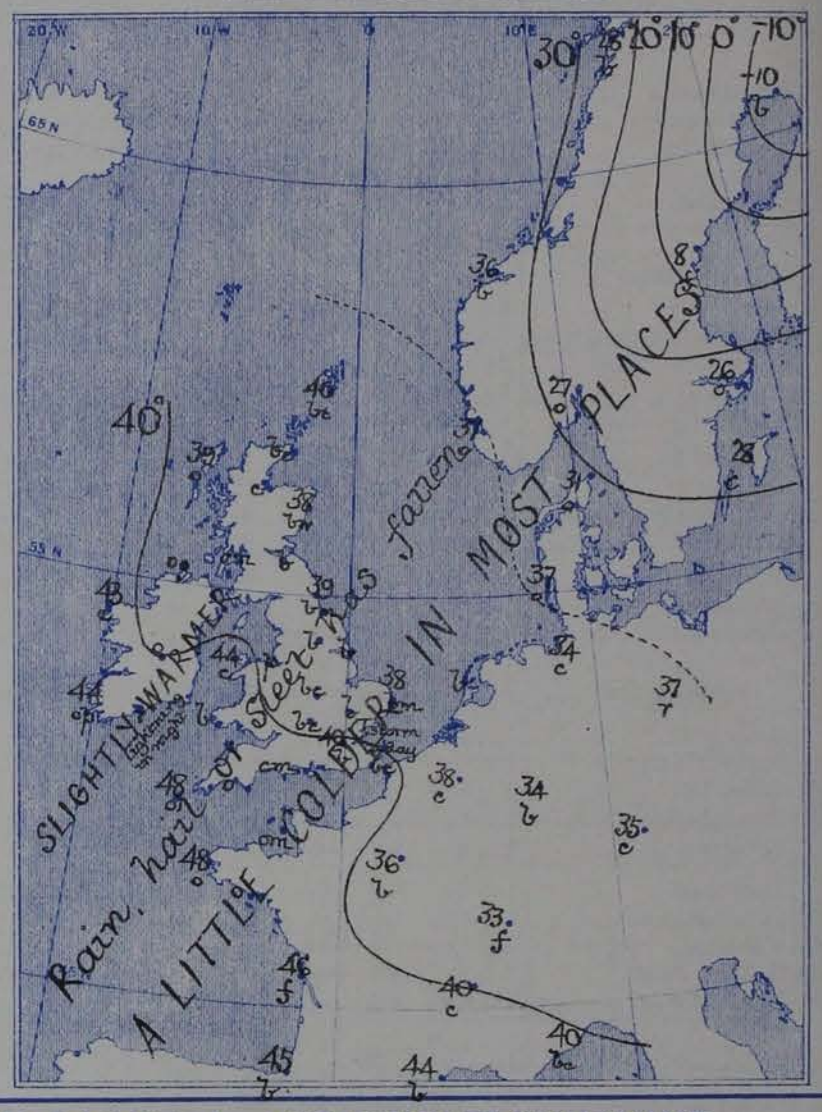


TEMPERATURE & WEATHER.

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 MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means. 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49 8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5		—		—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3		—		—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42 8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3 87	135·3	37
Roche's Point	29·930	43·3	41 5	49·7	39·5	60	1895	27	1890	3 38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2 26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29 960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1 88	—	—
Jersey	29·965	44·0	41·9	49·7	39 8	66	1871, 93, 94	21	1890	2 24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1 78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1 43	72·3†	20†
Oxford	29 951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1 50	119·7	33
Cambridge	29·941	38·8	37 4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127 4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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, 30·55 in: at Haparanda; 30·2 in: and upwards in an anticyclone lying over the whole of Sweden, and also in another system over Spain, France, and South Germany.
Lowest, 29·7 in: and less, in a depression lying to the westward of our Islands.
Gradients moderate over our western and northern coasts, and also over Scandinavia, but slight elsewhere.
Barometer falling on the west coasts of our Islands and France, but rising in most other parts of our area.

TEMPERATURE

Highest, 46° at Scilly and Bere, 47° at Rockt Point and Lisbon, and 46° at Pembroke, Roche's Pt, Jersey, Lorient, and Rochefort.
Lowest, 10° F. at Haparanda, 16° at Hernösand, 23° at Karlstad and 25° at Stockholm; lowest in our Islands 34° at York and 35° at Cambridge.
Frost occurred last night in many parts of the United Kingdom; in London the thermometer on the grass fell to 27°, and at Oxford to 25°.

WIND

Light to moderate from the S.ward or SW.ward over our Islands, the Netherlands and the north of France; variable in the south of France.
Moderate from the E.ward in the south of Sweden, strong from the SE.ward or S.ward in the west of Norway; calm over the northern parts of Sweden.

WEATHER

Fine over the greater part of the United Kingdom and France, but dull on our extreme west and southwest coasts, with rain in the south of Ireland. A solar halo is reported at Jersey, and also at Lyons.
Fine in the north of Scandinavia, but dull in Denmark, North Germany and the south of Scandinavia, with rain at Berlin and snow at Karlstad.
Rain, hail or sleet fell yesterday over nearly the whole of our Islands and also in the neighbouring parts of the Continent. Thunderstorms occurred in London and at Dungeness, and lightning was seen at night at Rockt Point.

SEA

Rough at Swinburgh Head, and rather rough at Pembroke, Scilly and Biarritz, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off our western coasts seems likely to spread eastwards, and freshening S.ward winds and rain are probable in most districts.

FORECASTS

For the 24 hours ending at NOON on 12TH MARCH 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S.ward winds, freshening considerably; fair at first, some rain later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	S. and SW. winds, freshening; fair at first, some rain later.
6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S. to SW. winds, fresh or strong; cloudy, some rain.
9	IRELAND NORTH	
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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·96	38	34	ESE	8	m	5
Sumburgh Head	29·52	39	38	SSE	7	r	8
Stornoway	29·55	44	41	NNW	4	c	5
Aberdeen	29·60	39	38	SSW	2	og	4
Shields	29·74	46	42	SW	3	c	2
Ardrossan	29·71	45	44	SW	4	c	3
Malin Head ...	29·73	40	38	W	4	c	3
Belmullet	29·81	45	42	SW	4	c	*
Holyhead	29·89	46	43	SW	4	c	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·94	64	61	WSW	3	bcph	5
Scilly	30·05	50	46	WSW	4	bc	5
Jersey	30·13	52	47	SW	4	bc	3
Hurst Castle ...	30·03	49	46	WSW	4	bcp	2
Dungeness ...	30·00	48	46	WSW	4	bcp	2
North Foreland	29·99	50	45	W	5	bc	4
London (Westminster)	30·00	47	43	W	3	cph	*
Yarmouth ...	29·90	48	42	W	4	bc	4
Rochefort ...	30·20	56	54	NW	4	c	*

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

Weather in morning fine over the greater part of the United Kingdom, but showery in the west of Ireland and rainy in the north of Scotland. Dull over a considerable portion of the Continent, with rain at several of the French stations, and also at the Helder, Wisby, Bilbao and Malta; snow falling at Karlstad and Lunden, as well as at Kiew and Kharkov. Fine over the northern parts of Russia and Scandinavia, and also over the Mediterranean and the greater part of the Spanish Peninsula. Showers of rain hail or sleet falling later in most parts of our Islands; thunderstorms occurring in London and at Dungeness, and lightning seen at Rockel Point at night.

Temperature fallen in the north and north of our Islands, as well as in Sweden and Russia, but risen elsewhere. Morning readings highest 56° at Barcelona, 55° at Algiers, and 52° at Rochefort, Corunna and Malta. Lowest −7° F. at Hafsarada, +2° at Archangel and Uleaborg and 7° at St. Petersburg; below the freezing point in most parts of Russia and Scandinavia, and below 40° over the northern and central parts of our Islands. Rising later to 50° and upwards over the central and southern parts of England generally, to 55° and upwards in the west and south of France and to 64° at Lisbon. Frost occurring in many parts of our Islands at night.

Wind light to fresh from the W. or SW. over the greater part of our Islands and France, but strong to a gale from the S. in the north of Scotland. SE. on the Eastern shores of the North Sea, with a gale at Skudenaes; E. or NE. over northern Russia and the Baltic, calm over the northern parts of Sweden. Variable in Germany. NW. in Austria, N. or NE. over the greater part of Southern Europe. No important change occurring over Western Europe during day.

Barometer highest 30·6 in. and upwards over the extreme northern parts of Russia; 30·3 in. and upwards in an anticyclone lying over northern Europe generally and also in another system over Algeria and the Spanish Peninsula. Lowest 29·4 in. and less, in a well-marked depression off the north of Scotland; 30·0 in. and less, in a large shallow area over the south of Russia. Depression in north moving away later to the northward, and barometer rising in most parts of our Islands.

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, 12th March, 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·37	-3	S	0	b	30·59	+·03	-4	-5	+6	S	0	bc	*	b	*	12	-17	-
	Hernosand ...	30·51	10	W	2	b	30·49	·00	0	0	-8	S	0	b	*	b	*	18	-6	-
	Stockholm ...	30·39	23	NE	4	S	30·35	-·01	21	20	-5	NE	2	o	*	S	*	27	21	-
	Wisby	30·32	25	E	4	b	30·24	-·05	28	26	0	ESE	4	c	*	b	*	30	19	-
	Karlstad ...	30·39	24	NNE	2	0	30·34	+·03	22	21	-1	NNE	2	S	*	o	*	*	*	-
	Bodö	30·28	26	ENE	6	b	30·32	+·18	23	19	-5	ENE	6	b	2	b	*	30	21	-
	Christiansund ...	30·14	36	W	3	b	30·18	+·20	33	29	-3	SE	4	bc	3	b	*	41	32	-
	Skudesnaes ...	30·14	36	ESE	6	c	30·13	+·11	33	29	-4	ESE	6	b	4	o,c	*	40	32	*
	Færder (Christiania Fjord)	30·33	29	ENE	3	0	30·33	+·10	23	22	-4	NE	4	0	2	0	*	29	21	-
	Skagen (The Scaw)	30·26	32	ESE	2	0	30·25	+·09	28	27	-3	E	3	0	0	0	*	32	27	0·08
	Fanö	30·12	37	SE	4	0	30·04	+·01	35	34	-2	ESE	5	0	*	c	2	43	34	-
British Isl.	Sumburgh Head	29·78	41	S	4	bc	29·81	+·07	40	39	0	SE	6	0	4	bc	*	45	38	-
	Stornoway ...	29·59	40	S	4	0	29·52	-·15	41	39	+2	ESE	4	0	5	rsp o	0·0	42	38	0·25
	Wick	29·74	38	SE	4	0	29·62	-·09	42	40	+4	S	8	bcu	5	o	*	45	37	-
	Nairn	29·66	42	S	0	c	29·54	-·21	43	41	+1	ESE	2	o	1	c	*	47	33	-
	Aberdeen ...	29·78	41	SE	5	cgq	29·62	-·22	41	39	+3	SE	8	ogq	4	o.cpm	6·2	45	38	-
	Leith	29·71	45	S	2	c	29·43	-·43	41	39	+2	E	4	o	*	c	*	48	38	-
	Shields	29·79	44	SE	3	c	29·39	-·54	41	41	+2	ESE	7	pq	6	c	*	50	36	0·09
	Spurn Head ...	29·83	43	ESE	5	o	29·43	-·56	42	41	0	S	4	c	4	bc.or	*	48	38	0·37
	York	29·82	46	SE	1	o	29·39	-·60	42	40	+8	S	2	o	*	c.o	5·2	51	33	0·26
	Loughborough ...	29·80	45	SE	3	o	29·48	-·55	41	38	+3	SW	5	bqv	*	ogq bc	*	49	38	0·09
	Ardrossan ...	29·65	43	SE	4	pm	29·31	-·50	42	41	0	NE	4	om	2	o.pm	*	45	40	0·03
	Malin Head ...	29·82	42	S	4	r	29·33	-·34	39	39	+1	E	3	r	2	o,r	*	46	37	0·44
	Belmullet ...	29·83	43	W	2	or	29·50	-·16	43	39	0	NNW	3	o	*	o,r	*	46	38	0·06
	Donaghadee ...	29·69	45	SSE	4	or	29·29	-·55	42	41	+5	ENE	6	r	4	or	*	48	37	0·17
	Liverpool (Bidston)	29·66	43	SE	3	o	29·28	-·67	40	37	+2	SSW	5	o	4	o,r	*	49	38	0·10
	Holyhead ..	29·57	46	ESE	4	o	29·31	-·58	38	37	-6	W	8	rq	6	rmpo	*	47	36	0·65
	Parsonstown ...	29·48	43	S	0	r	29·48	-·29	38	35	-2	W	2	o	*	r.rs	0·0	47	33	0·67
	Valencia ...	29·52	41	N	1	oq	29·61	-·11	41	39	-3	NNW	1	bcp	3	rq.oq	0·0	45	35	0·58
	Roche's Point ..	29·45	43	NE	5	r	29·59	-·19	40	37	-7	W	4	b	4	r	*	48	36	0·75
	Pembroke (St. Ann's Hd.)	29·32	45	SE	8	r	29·52	-·40	42	40	-4	NNW	7	bcq	6	or	0·0	46	35	0·28
	Scilly	29·45	47	WSW	7	cp	29·66	-·27	44	41	-4	W	5	cpb	5	r.cp	1·1	50	39	0·43
	Prawle Point ...	29·57	46	SW	6	o	29·66	-·38	42	40	-4	W	6	c	5	oqr	*	46	43	0·38
	Jersey (St. Aubin's)	29·77	46	SSE	6	rm	29·76	-·37	45	44	-1	WSW	5	bcp	4	r.bc	*	46	43	0·33
	Hurst Castle ...	29·78	44	ESE	6	rm	29·64	-·45	42	41	-3	W	3	cp	3	o.rm	*	48	42	0·54
	Dungeness ...	29·91	45	SSE	3	o	29·65	-·47	43	42	-1	WSW	4	rq	3	o,r	*	49	42	0·26
	North Foreland	29·95	43	SSE	3	o	29·63	-·49	46	44	+6	SW	4	o	3	bc.or	*	50	40	0·37
	London (Strmon) ...	29·85	45	SSE	4	o	29·61	-·48	44	41	+4	SW	3	c	*	bc.o,rq	2·5	52	38	0·22
	Oxford	29·69	42	SSE	6	r	29·57	-·50	42	39	+4	SSW	3	bc	*	o,rq	*	49	35	0·26
	Cambridge ...	29·87	44	SSE	3	o	29·57	-·51	43	40	+8	SW	3	o	*	bc.o	6·7	52	34	0·10
	Yarmouth ...	29·94	42	SSE	4	bc	29·56	-·49	43	41	+5	SW	5	bcq	4	b.bc.r	*	43	35	0·25
Germany & Holland.	Cuxhaven ...	30·13	39	W	1	c	29·97	-·09	34	34	0	ESE	5	f	*	c	*	43	32	-
	Berlin	30·16	40	W	2	bc	30·11	+·03	37	36	0	SE	2	bc	*	bc	*	43	34	-
	Wiesbaden ...	*	*	*	*	*	29·94	-·28	38	36	+4	NW	2	o	*	*	*	46	34	0·04
	Munich	30·22	33	W	2	b	30·05	-·20	31	31	-4	SW	1	o	*	b	*	43	28	0·04
	The Helder ...	30·04	40	ESE	1	b	29·70	-·38	41	38	+2	SE	3	r	1	o	*	46	39	0·20
Belgium.	Brussels ...	*	*	*	*	*	29·75	-·43	45	43	+7	SSW	3	o	*	o	*	51	37	0·12
	Cape Gris Nez ...	29·90	46	SSE	3	o	29·66	-·50	45	43	+2	WSW	5	c	5	o	*	50	41	0·35
	Paris	30·05	41	S	2	r	29·84	-·39	45	44	+9	SW	3	bc	*	r	*	49	36	0·04
	Brest	29·69	51	WSW	4	c	29·79	-·31	45	42	-3	W	3	c	4	c	*	51	39	0·43
	Lorient	29·76	44	SSW	6	r	29·84	-·29	43	43	-3	W	5	bc	4	r	*	55	41	0·47
France &	Rochefort ...	30·04	52	S	5	r	30·00	-·27	50	50	+4	WSW	5	o	*	o,r	*	54	46	0·28
	Belfort	30·14	42	S	0	bc	29·96	-·31	40	39	+7	S	0	m	*	bc	*	49	33	0·32
	Lyons	30·15	46	ESE	2	bc	30·05	-·27	44	42	+4	SSW	1	c	*	bc	*	54	40	0·04
	Nice	30·12	48	S	0	b	30·12	-·01	43	39	+3	E	1	c	1	b	*	61	39	-
	Perpignan ...	30·12	54	NE	1	b	30·10	-·22	48	47	+4	S	0	o	*	b	*	60	44	-
	Biarritz ...	30·02	60	WSW	3	o	30·02	-·17	53	51	+8	W	3	o	4	o	*	70	45	0·12
Peninsula.	Corunna ...																*			
	Lisbon	30·22	53	NW	4	b	30·19	-·09	55	53	+8	NW	2	b	*	b	*	63	47	-
	Azores (P. Delgada)	30·38	54	NW	3	b	30·38	+·09	52	49	-5	N	3	b	2	b	*	64	50	-

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 4·3 hrs; Brighton 4·8 hrs; Eastbourne 5·7 hrs; Hastings 6·0 hrs; Ventnor 1·5 hrs.

WEATHER CHARTS

FOR Friday, 12th March, 1897.

BAROMETER, WIND AND SEA.

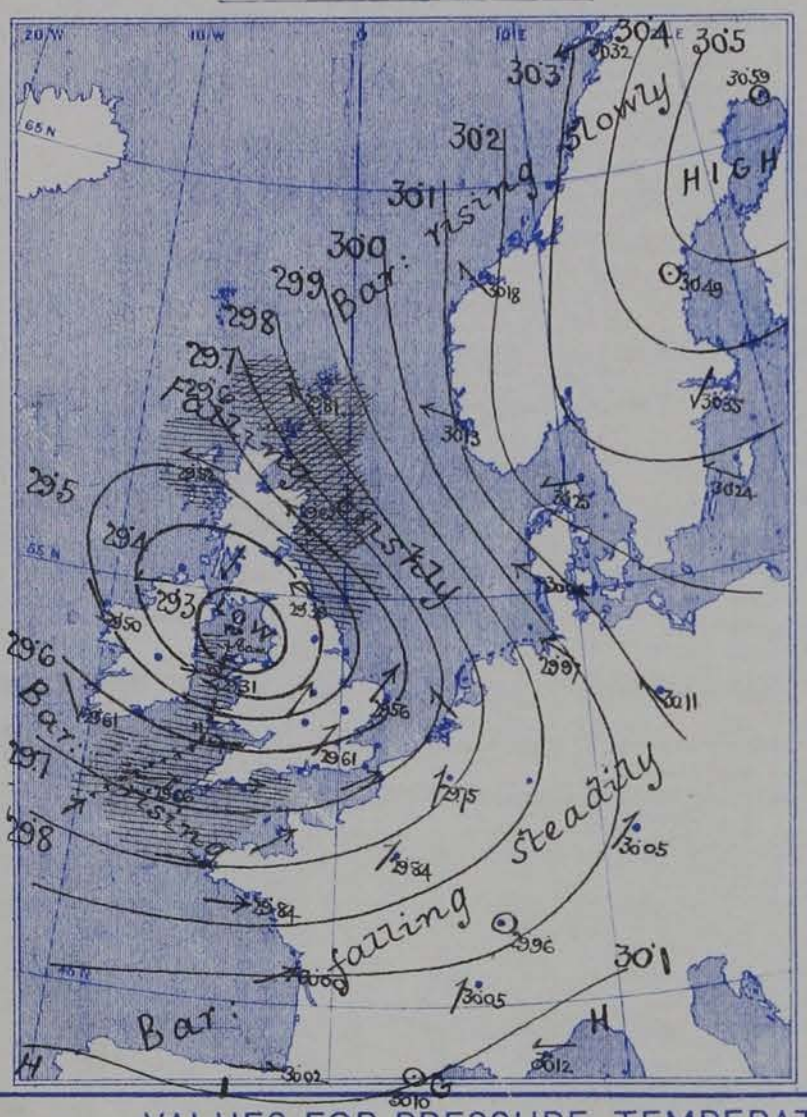
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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* ▩

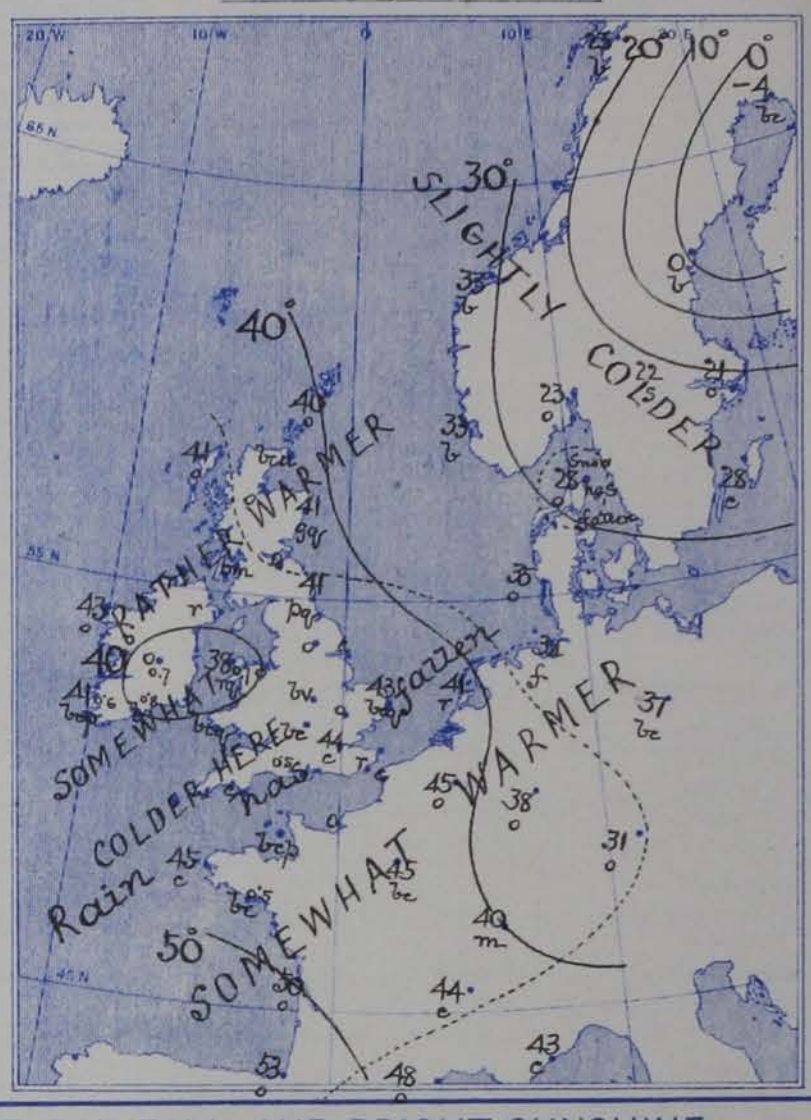


TEMPERATURE & WEATHER.

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 MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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, 30·59 in: at Haparanda; 30·3 in: and upwards in our anticyclone lying over the whole of Sweden; 30·1 in: and upwards in another system over the Spanish Peninsula and the extreme south of France.
Lowest, 29·3 in: and less, in a well marked depression having its centre over the Irish Sea.
Gradients moderate to rather steep over our Islands and the North Sea, slight elsewhere.
Barometer rising on our southwest coasts, falling in most other parts of Western Europe.

TEMPERATURE

Highest, 55° at Lisbon, 53° at Biarritz, 50° at Rochefort, 48° at Biarritz, and 46° at the North Foreland.
Lowest, -4° F. at Haparanda, 0° Jan at Hernösand, 21° at Stockholm and 22° at Karlstad; lowest in our Islands 38° at Holyhead and Parsonstown.
During yesterday the thermometer rose to 50° or slightly more at several of the English stations, but to only 43° at Yarmouth.

WIND

Moderate to strong from the W^ard on our southern coasts and over the Bay of Biscay.
Strong to a gale from the SE^ly in the east of Scotland and the northeast of England, and moderate to fresh from the same quarter on the eastern shores of the North Sea; NE^ly in the west of Scotland and the north of Ireland.
Calm over the northern parts of Sweden, variable in the south of France.

WEATHER

Dull over all the more northern parts of the United Kingdom, with rain on our northwest coasts, showery in the south, with hail at Scilly.
Fine at many of the Scandinavian stations, but dull in the south of Sweden, with rain at Karlstad; cloudy or dull in most parts of France, Germany, Denmark, and the Netherlands, with rain at the Helder.
Rain fell yesterday over England, Ireland, and the western parts of the Continent generally, the largest amounts being 0·8 in: at Rocher Point, and 0·7 in: at Holyhead and Parsonstown. A Solar halo and parhelion were seen yesterday at Oxford, and a lunar halo at Stornoway.

SEA

High off the northeast of Scotland, rough on many parts of our western coasts, and rather rough at Cape Finisterre.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the Irish Sea appears likely to move away to the northwestward, but at present there are no signs of any material improvement in the weather.

FORECASTS

For the 24 hours ending at NOON on 13th March, 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S^ly and SE^ly gales, moderating later; squally, some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S^ly and SE^ly winds, strong in places; squally, showery.
3	ENGLAND EAST	SW^ly winds, strong in places; changeable, some showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	E^ly to SE^ly winds, freshening; dull, rain at times.
7	ENGLAND N.W.	W^ly to SW^ly winds, strong, a gale in places; squally, showery.
8	ENGLAND S.W.	
9	IRELAND NORTH	NW^ly to W^ly winds, freshening: unsettled, showery.
10	IRELAND SOUTH	
	WARNINGS	At 0·30 pm yesterday to districts 5 and 8, at 3·30 pm to district 3, and at 7.10 pm to districts 1, 2 and part of 0 "Hoist South 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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ..	30·12	40	38	ESE	6	o	4	Valencia	29·56	41	40	E	2	r	4
Sumburgh Head	29·74	45	41	SSW	3	bc	4	Scilly	29·54	45	45	ESE	1	r	5
Stornoway	29·63	42	40	S	5	o	5	Jersey	29·95	46	45	SE	5	r	3
Aberdeen	29·83	42	40	SSE	4	cq	3	Hurst Castle ...	29·97	47	45	S	3	ou	2
Shields	29·87	48	45	SW	2	c	2	Dungeness ...	30·04	47	45	S	3	o	2
Ardrossan	29·71	44	44	SE	3	o	3	North Foreland	30·06	47	45	S	3	bc	2
Malin Head ...	29·59	46	43	S	4	o	2	London (Westminster)	29·99	49	43	S	3	c	*
Belmullet	29·59	44	43	S	2	o	*	Yarmouth ...	30·03	43	41	SSE	4	b	3
Holyhead	29·75	47	46	S	4	qp	4	Rochefort ...	30·15	52	52	S	5	o	*

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

Weather in morning fine over the greater part of our Islands, France, and the Netherlands, but dull in our more extreme west and southwest coasts, with rain in the south of Ireland. Fine and bright over Finland and the northern parts of Scandinavia, but dull over all the more central and eastern parts of Europe, with snow or rain in many places; dull also in Spain and Italy, with rain at Florence. Rain falling later over the whole of England, Ireland, and the neighbouring parts of the Continent, heavily at many of our northern stations. Solar halo seen at Oxford and a lunar halo at Stornoway.

Temperature fallen in most places. Morning readings highest 60° at Algiers, 55° at Barcelona, and 53° at Coruna and Cagliari. Lowest −10° F. at Haparanda, 0° Zero at Kuopio, +7° at Ulleaborg, and 8° at Hernösand; below the freezing point over northern and eastern Europe generally and very little above it in some parts of northern and eastern England. Rising during day to 50° or slightly above it at many of the English stations, to 60° and upwards in the south of France and to 70° at Biarritz.

Wind light to moderate from the S^th or SW^d over our Islands, the Netherlands, and the north of France. E^ly over Western Russia, the Baltic, Denmark, and the south of Scandinavia; strong from the SE^th or S^th in the west of Norway, calm over the northern parts of Sweden. Light and variable over Germany, Austria, and the south of Russia; N^ly to W^ly in Italy, variable over Spain and the south of France. Subsequently, backing to the SE^th over England, and increasing to a strong breeze or moderate gale.

Barometer highest 30·61 ins: at Archangel, 30·1 ins: and upwards in an anticyclone covering the greater part of northern Europe; 30·2 ins: and upwards in another system extending from Algeria and the Mediterranean over Spain, France, and South Germany. Lowest 29·7 ins: and less in a large area lying to the westward of our Islands. Well marked depression advancing later over our Islands from the southwestward and barometer falling briskly over 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.

* 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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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 13th March, 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30 54	-7	NW	0	c	30 48	-.11	16	15	+20	NW	0	0	*	c	*	16	-13	-
	Hernösand ...	30 41	12	N	4	s	30 34	-.15	16	16	+16	N	4	s	*	s	*	25	-6	0.04
	Stockholm ...	30 22	21	E	4	s	30 13	-.22	23	22	+2	ENE	6	s	*	s	*	27	18	0.04
	Wisby	30 12	28	SE	4	0	30 04	-.20	26	24	-2	SE	6	s	*	0	*	30	21	-
	Karlstad ...	30 22	22	NNE	2	0	30 15	-.19	20	19	-2	NE	2	0	*	0	*	*	*	-
	Bodö	30 28	23	E	4	b	30 23	-.09	23	19	0	E	6	b	2	b	*	28	19	-
	Christiansund ...	30 00	38	SE	2	b	30 02	-.16	31	28	-2	ESE	3	b	3	b	*	39	30	-
	Skudesnaes ...	30 00	31	ESE	6	b	29 95	-.18	30	24	-3	E	4	b	2	b	*	38	28	*
	Fædder (Christiania Fjord)	30 18	25	E	4	0	30 11	-.22	22	21	-1	NE	6	0	3	0	*	25	21	0.04
	Skagen (The Scaw)	30 06	29	E	4	0	30 01	-.24	27	26	-1	E	4	0	1	0	*	30	25	-
	Faro	29 76	32	ESE	8	s	29 72	-.32	32	31	-3	E	7	0	*	s	*	37	32	0.04
British Isles.	Sumburgh Head	29 79	37	SE	6	0	29 79	-.02	34	33	-6	SE	6	sp	7	0	*	42	32	0.02
	Stornoway ...	29 51	41	ESE	6	0	29 55	+.03	38	37	-3	E	3	0	4	0	0.0	42	36	0.02
	Wick	29 61	39	SE	9	0	29 55	-.07	39	39	-3	SE	7	ou	9	0	*	44	38	0.10
	Nairn	29 47	40	ESE	4	0	29 50	-.04	38	38	-5	E	2	r	1	0	*	45	34	0.01
	Aberdeen ...	29 52	38	ESE	10	ogrq	29 54	-.08	39	38	-2	ESE	8	ogqr	9	ogrq	0.0	42	38	0.18
	Leith	29 37	41	E	3	c	29 44	+.01	39	38	-2	SE	2	r	*	c	*	44	36	0.11
	Shields	29 41	39	S	3	c	29 50	+.11	38	36	-3	S	3	c	4	o.r.c	*	46	36	0.07
	Spurn Head ...	29 49	42	SSW	4	bc	29 56	+.13	41	39	-1	S	2	b	3	bc	*	48	37	-
	York	29 47	41	S	4	r	29 54	+.15	35	33	-7	SE	1	bc	*	bc.r	5.0	48	32	0.06
	Loughborough ...	29 52	41	SSE	2	bc	29 58	+.10	33	31	-8	SE	1	cm	*	bc.b.bc	*	48	30	-
	Ardrossan ...	29 27	41	E	4	om	29 36	+.05	40	40	-2	NE	1	om	2	om	*	44	35	0.12
	Malin Head ...	29 32	40	ENE	3	r	29 43	+.10	41	39	+2	N	3	c	2	or	*	43	38	0.18
	Belmullet ...	29 52	44	NW	4	bc	29 54	+.04	43	40	0	NNW	3	b	*	bc	*	46	38	0.03
	Donaghadee ...	29 30	41	W	5	0	29 40	+.11	38	38	-4	WSW	3	r	1	0	*	42	36	0.31
	Liverpool (Brighton)	29 41	40	SW	4	0	29 51	+.23	40	37	0	S	3	0	3	op	*	43	36	0.02
	Holyhead ...	29 42	41	W	7	0	29 48	+.17	41	40	+3	W	4	0	3	mrq.o	*	42	37	0.66
	Parsonstown ...	29 48	43	W	2	0	29 54	+.06	38	36	0	W	1	b	*	b.oh	6.1	47	36	-
	Valencia ...	29 60	45	NNW	3	bcv	29 63	+.02	43	40	+2	NNW	1	bcp	3	cv.bcv	9.4	46	39	0.03
	Roche's Point ...	29 58	43	NW	4	bc	29 63	+.04	40	37	0	NNW	3	b	3	bc	*	48	38	-
	Pembroke (St. Ann's Hd.)	29 52	43	W	5	b	29 58	+.06	43	42	+1	NNW	4	b	4	b	9.8	45	42	-
	Scilly	29 47	45	NE	4	0	29 65	-.01	45	41	+1	NNW	4	c	3	c.o	3.2	49	40	0.01
	Prawle Point ...	29 56	43	ESE	3	c	29 60	-.06	40	38	-2	NW	3	c	3	c.r	*	45	38	0.28
	Jersey (St. Aubin's)	29 59	47	ESE	4	oq	29 50	-.26	39	38	-6	NW	7	oqmr	5	bc.ohr	*	52	38	0.37
	Hurst Castle ...	29 60	44	SW	3	c	29 54	-.10	38	37	-4	NNE	4	rm	3	hp.bc	*	47	37	0.19
	Dungeness ...	29 63	43	WSW	4	c	29 50	-.15	42	41	-1	E	3	c	2	bcq.bc	*	47	40	0.05
	North Foreland	29 59	44	SW	4	bcp	29 52	-.11	43	41	-3	SE	3	0	3	tl.cp	*	48	37	0.05
	London (Brixton) ...	29 60	42	SSW	2	bc	29 56	-.05	39	38	-5	N	1	gmr	*	bc.b.f	3.2	50	35	0.03
	Oxford	29 57	40	SSW	2	b	29 59	+.02	35	35	-7	W	0	c	*	b.hr.b	*	48	31	-
	Cambridge ...	29 58	41	SW	2	b	29 60	+.03	34	33	-9	SW	1	om	*	b	5.5	51	29	-
	Yarmouth ...	29 56	45	WSW	3	bc	29 56	.00	41	40	-2	E	2	bw	3	c.bc	*	47	34	-
Germany & Holland.	Cuxhaven ...	29 71	38	ESE	5	r	29 60	-.37	35	35	+1	E	5	0	*	m.r	*	44	34	0.51
	Berlin	29 86	36	E	4	c	29 65	-.46	36	36	-1	SW	2	c	*	c	*	41	32	0.24
	Wiesbaden ...	*	*	*	*	*	29 62	-.32	38	37	0	N	2	0	*	*	*	46	34	0.08
	Munich	29 81	36	SE	4	bc	29 62	-.43	35	35	+4	NE	3	0	*	bc	*	43	31	0.16
	The Helder ...	29 60	42	SSW	2	r	29 61	-.09	33	33	-8	E	1	f	1	r	*	45	32	0.12
Belgium.	Brussels ...	*	*	*	*	*	29 56	-.19	37	36	-8	ESE	2	0	*	b	*	49	35	0.04
	Cape Gris Nez ...	29 66	44	WSW	5	c	29 51	-.15	38	37	-7	SE	3	c	2	c	*	46	34	0.16
	Paris	29 74	48	SW	2	b	29 46	-.38	33	32	-12	S	2	r	*	b	*	54	33	0.04
	Brest	29 37	43	S	4	r	29 63	-.16	45	41	0	NW	5	c	8	r	*	50	39	1.02
	Lorient	29 45	45	SSE	6	r	29 60	-.24	39	37	-4	NNW	6	r	5	r	*	54	36	0.47
France &	Rochefort ...	29 78	51	ESE	4	c	29 54	-.46	47	45	-3	NNW	9	0	*	bc.tlr	*	57	45	0.43
	Belfort	29 83	38	SE	1	r	29 56	-.40	37	36	-3	E	2	r	*	r	*	50	36	0.39
	Lyons	29 89	44	E	1	0	29 61	-.44	42	38	-2	SSE	2	0	*	t.o	*	62	38	0.55
	Nice	29 96	48	W	0	0	29 60	-.52	45	45	+2	W	0	r	2	0	*	55	43	1.22
	Perpignan ...	29 84	53	S	1	c	29 72	-.38	49	41	+1	NW	4	0	*	e	*	61	45	0.12
	Biarritz ...	29 73	51	E	4	r	29 87	-.15	47	45	-6	WSW	8	tlh	8	r	*	57	43	0.35
Peninsula.	Corunna ...																*			
	Lisbon	30 18	54	W	4	bc	30 25	+.06	52	49	-3	NW	3	0	*	bc	*	63	50	0.04
	Azores (P. Delgada)	30 42	53	N	2	b	30 39	+.01	58	54	+6	NNW	3	c	2	b	*	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; Brighton 6.4 hrs; Eastbourne 5.5 hrs; Hastings 6.8 hrs; Ventnor 6.2 hrs.

WEATHER CHARTS

FOR Saturday, 13th March, 1897.

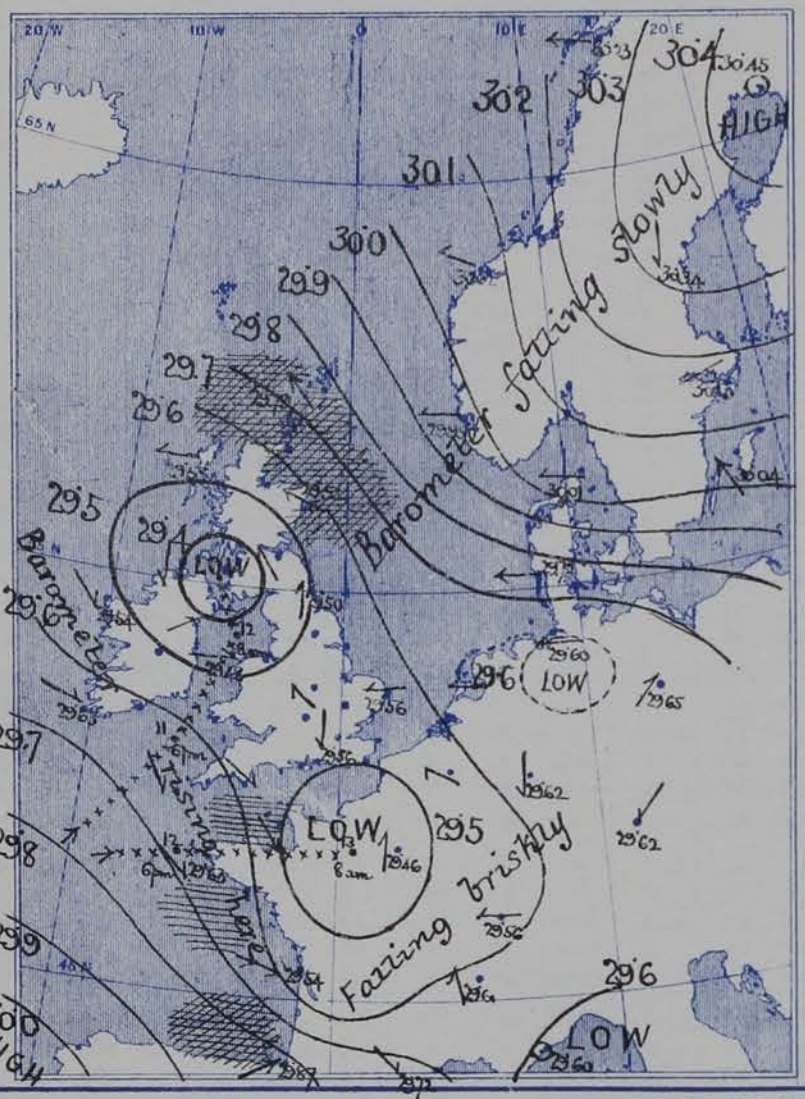
BAROMETER, WIND AND SEA.

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

WIND—Arrows shew 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

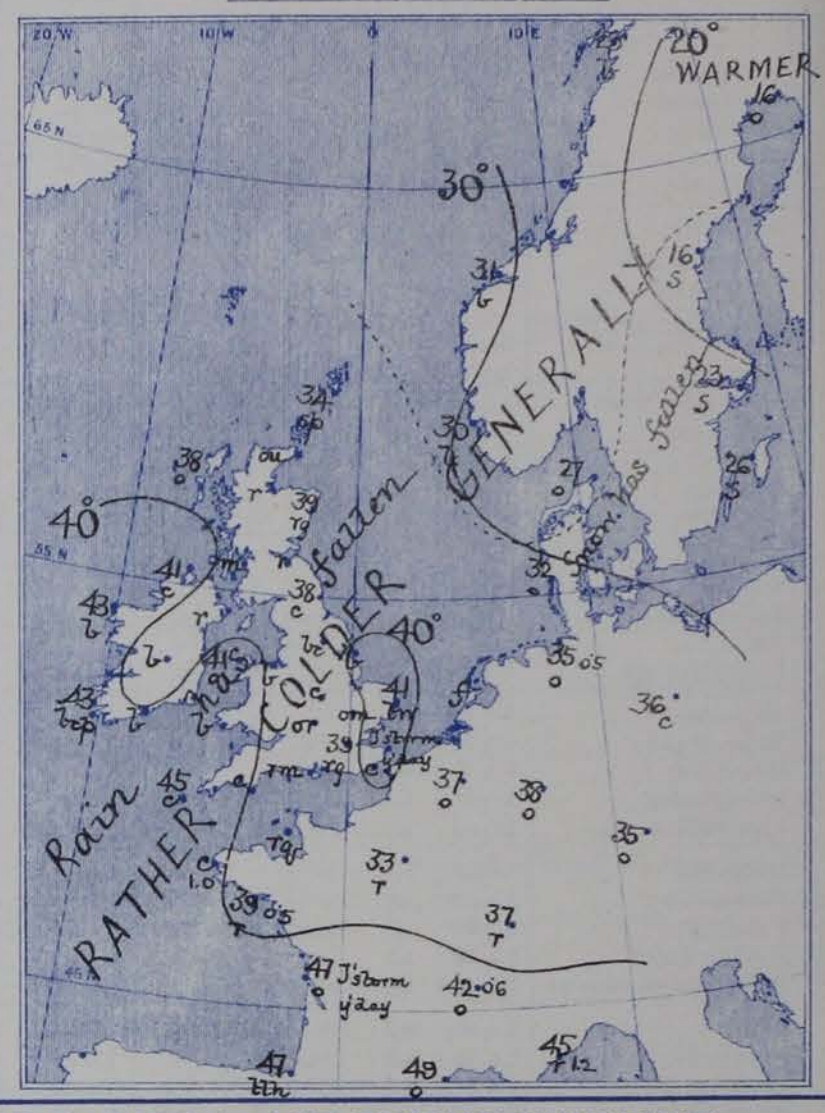


TEMPERATURE & WEATHER.

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 MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 · 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 · 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* 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 upwards, over the Gulf of Bothnia; 30·2 in: and upwards in Portugal.
Lowest, 29·4 in: and less, in a depression lying off the southwest of Iceland; 29·5 in: and less, in another disturbance over the north of France and the eastern part of the Channel.
Gradients slight generally, but rather steep over Denmark.
Barometer rising a little in most parts of our Islands, and more decidedly in the west of France, but falling elsewhere.

TEMPERATURE

Highest, 52° at Lisbon, 49° at Perpignan, 47° at Rochefort and Pauillac, and 45° at Scilly, Brest, and Nice.
Lowest, 16° at Hapsaranda and Haparanda, 20° at Haaletad, and 22° at Faeroe; lowest in our Islands 33° at Loughborough, and 34° at Cambridge and Lumbuyh Hd.
Frost occurred last night over the central parts of England; at Loughborough the thermometer on the grass fell to 22° and at Oxford to 24°.

WIND

Moderate from the NW. over Iceland and the southwest of England, strong to a gale from the same quarter or from W. over the Bay of Biscay.
Light from the S. over Central France and from the E. or NE. over the Netherlands and the southeast of England.
Variable in Germany; strong from the E. in Denmark and the south of Scandinavia and from the SE. in the east and north of Scotland, with a gale at Aberdeen.

WEATHER

Fine on our southwest coasts, as well as in the north and east of England, and the west of Norway.
Dull elsewhere, with rain in Scotland, as well as in the southeast of England and many parts of France; and a thunderstorm at Biarritz; snow is falling in Sweden and sleet in the Shetlands.
Since yesterday morning rain has fallen in many parts of Western Europe, the largest amounts being 1·2 in: at Nice, 1·0 in: at Brest, and 0·7 in: at Holyhead. Solar and lunar halos were seen yesterday at several of our southern stations, and thunderstorms occurred at the North Foreland, Rochefort and Nice.

SEA

Extremely high off the northeast of Scotland, very high at Biarritz, and rather rough at Jersey and Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over the Irish Sea yesterday has moved very slowly northwestward, but a new disturbance has advanced eastwards over France. The general distribution of pressure is now very complex, and unsettled weather is probable in most districts, with falls of cold rain or sleet.

FORECASTS

For the 24 hours ending at NOON on 14th MARCH, 1897.

DISTRICTS.		FORECASTS.
▼ 0	SCOTLAND NORTH	SE. to E. strong winds and gales; unsettled, some rain or sleet.
▼ 1	SCOTLAND EAST	
▼ 2	ENGLAND N.E.	SE. to E. winds, freshening; fine at first, rain or sleet later.
▼ 3	ENGLAND EAST	NE. to N. winds; changeable, some cold rain or sleet.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	E. or NE. winds, light; unsettled, some rain or sleet.
7	ENGLAND N.W.	Variable breezes; changeable, some cold showers.
8	ENGLAND S.W.	NW. winds, backing later; unsettled, some showers.
9	IRELAND NORTH	
10	IRELAND SOUTH	
WARNINGS		The SOUTH CONE is still flying in districts 1, 2, 3, and part of 0.

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. Dry.	THER. Wet.	WIND Direc.	F	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND Direc.	F	WEA.	SEA.
Skudesnaes ...	30·05	38	32	E	6	c	4	Valencia	29·58	45	40	NW	3	cv	4
Sumburgh Head	29·80	40	37	SE	6	o	7	Scilly	29·59	48	43	S	2	o	4
Stornoway	29·50	42	40	ESE	6	o	7	Jersey	29·71	50	45	SW	5	bc	4
Aberdeen	29·53	39	38	ESE	10	ogqr	8	Hurst Castle ...	29·64	46	44	SW	4	bc	3
Shields	29·39	46	44	S	4	c	4	Dungeness ...	29·64	46	44	WSW	6	bcq	5
Ardrossan	29·21	43	42	E	4	om	2	North Foreland	29·61	45	43	SW	4	o	3
Malin Head ...	29·32	40	39	ENE	3	r	2	London (Westminster)	29·60	49	43	SW	3	c	*
Belmullet	29·56	46	42	NW	5	bc	*	Yarmouth ...	29·86	47	42	WSW	4	c	4
Holyhead	29·38	39	39	WSW	8	mgrq	7	Rochefort ...	29·95	54	52	WSW	4	bc	*

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

Weather in morning dull in the northern parts of our Islands, with rain on our northwest coast; showery in the south with hail at Scilly. Fine at many of the Scandinavian stations and also in some parts of Germany, Austria and Southern Italy; dull in most other parts of the Continent, with fog in places, rain at Memel and the Helder, and snow at several of the Russian stations, as well as at Karlstad. Rain falling later in most parts of Western Europe – heavily in France; solar and lunar halos seen in the south of England, and thunderstorms occurring at the North Foreland and Rochefort.

Temperature risen in the north and east of our Islands and also over France and Spain, fallen in most other localities. Morning readings highest 61° at Algiers, 58° at Oporto, and 57° at Palma and Nice. Lowest −4° F. at Haparanda, 0° Zero at Hernösand, +1° at Archangel and 11° at Helsingfors. Below the freezing point over northern and eastern Europe generally. Daily maxima below 45° in the north of our Islands, but touching 50° or more at some of our southern stations, thermometer reaching 61° at Perpignan, 62° at Lyon and 63° at Lisbon. Sharp frost over Central England at night.

Wind moderate to strong from the W. on our western and southern coasts and over the Bay of Biscay, E. or NE. over northern Europe generally, and SE. on our own northern coasts, with a gale in the northeast of Scotland. N. or NW. in the south of Russia; light and variable over Italy, Spain, and the south of France. Subsequently backing to the SW. in the southeast of England and to the S. in France; shifting to NE. at Scilly.

Barometer highest, 307 in: and upwards in the extreme north of Russia; 302 in: and upwards, in an anticyclone embracing the greater part of northern Europe and also in another system lying over Tunis and southern Italy. Lowest, 293 in: and less, in a well-marked depression having its centre over the Irish Sea; 300 in: and less, in a shallow area over the south of Russia. Depression subsequently moving very slowly northwestwards, but new disturbance advancing eastwards to the mouth of the English Channel.

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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DAILY WEATHER REPORT

for 8 a.m. on Sunday 14th March, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30·38	15	7	0	0	30·25	−·23	23	22	+ 7	SSE	2	s	≈	0	≈	?	−2	0·04
	Hernösand ...	30·23	19	N	2	3	30·19	−·15	19	18	+ 3	N	2	s	≈	s	≈	25	10	0·04
	Stockholm ...	30·08	21	NNE	4	s	30·08	−·05	23	22	0	NNE	2	s	≈	s	≈	25	19	0·04
	Wisby	30·01	27	ESE	4	s	29·99	−·05	31	30	+ 5	E	4	o	≈	s	≈	31	21	0·04
	Karlstad ...	30·10	23	NE	2	o	30·12	−·03	17	15	− 3	NNE	2	c	≈	o	≈	≈	≈	—
	Bodö	30·26	20	? E	6	b	30·23	·00	17	14	− 6	E	6	b	2	b	≈	25	?	—
	Christiansund ...	29·99	30	SE	2	b	30·07	+·05	27	26	− 4	SE	1	b	7	b	≈	36	27	—
	Skudesnaes ...	29·99	28	E	4	b	30·04	+·09	28	24	− 2	ENE	4	bc	2	b	≈	34	25	≈
	Færder (Christiania Fjord)	30·08	26	NE	5	o	30·12	+·01	21	20	− 1	NE	4	c	2	a	≈	25	19	—
	Skagen (The Scaw)	29·91	28	E	4	o	30·02	+·01	25	23	− 2	ENE	4	bc	1	o	≈	?	23	—
	Fanö	29·82	31	E	3	bc	29·85	+·13	31	30	− 1	E	4	o	≈	bc	≈	37	30	—
	Sumburgh Head	29·80	34	SE	6	o	29·89	+·10	34	32	0	SE	4	o	7	sp,o	≈	36	31	0·03
	Stornoway ...	29·47	41	ESE	4	r	29·60	+·05	39	38	+ 1	ESE	5	oq	6	0.r	0·8	41	37	0·15
	Wick	29·62	39	SE	9	o	29·69	+·14	39	38	0	SE	8	obp	9	o	≈	44	38	0·06
	Nairn	29·52	40	ESE	2	o	29·59	+·09	37	36	− 1	ENE	2	c	2	o	≈	43	35	0·03
	Aberdeen ...	29·59	39	ESE	8	0gg	29·68	+·14	37	36	− 2	ESE	7	ogq	8	ogq	0·0	40	34	0·40
	Leith	29·48	42	S	2	r	29·56	+·12	39	38	0	SE	1	r	≈	r	≈	46	36	0·06
	Shields	29·53	42	SE	3	o	29·57	+·07	40	38	+ 2	ESE	5	op	4	o'	≈	44	37	0·21
	Spurn Head ...	29·57	42	ESE	4	c	29·54	−·02	39	39	− 2	ESE	5	o	5	c.p	≈	45	38	0·01
	York	29·55	45	SE	1	o	29·53	−·01	39	37	+ 4	ESE	1	o	≈	o	4·2	49	35	—
	Loughborough ...	29·58	46	SSW	1	c	29·50	−·08	39	37	+ 6	ESE	3	omc	≈	c	≈	52	33	—
BRITISH ISLANDS.	Ardrossan ...	29·43	40	SW	2	o	29·47	+·11	40	39	0	NE	4	cm	2	o	≈	42	35	0·01
	Malin Head ...	29·42	42	NNW	2	b	29·36	−·07	41	40	0	ESE	6	cm	3	b	≈	45	37	—
	Belmullet ...	29·43	44	NW	2	o	29·28	−·26	42	40	− 1	ESE	5	o	≈	o	≈	47	37	—
	Donaghadee ...	29·46	44	SE	3	op	29·39	−·01	42	41	+ 4	ESE	6	o	5	op	≈	46	36	0·15
	Liverpool (Bidston)	29·54	42	SSW	1	bc	29·41	−·10	39	37	− 1	ESE	5	p.	?	bc,p	≈	44	37	0·09
	Holyhead ...	29·52	44	SSW	3	c	29·32	−·16	39	38	− 2	ESE	4	op	3	bc,c	≈	46	37	0·02
	Parsonstown ...	29·44	45	N	0	c	29·19	−·35	37	36	− 1	SE	2	c	≈	b,c.r	8·7	51	34	0·19
	Valencia ...	29·35	41	SE	4	rg	29·10	−·53	43	41	0	S	3	op	4	cr.rg	4·3	49	38	0·30
	Roche's Point ...	29·44	45	S	4	o	29·20	−·43	45	43	+ 5	SW	3	bc	4	b,o.r	≈	49	40	0·20
	Pembroke (St. Ann's Hd.)	29·57	44	WSW	4	o	29·27	−·31	45	44	+ 2	SSW	3	b	4	b.o	8·8	46	38	0·36
	Scilly	29·55	46	S	4	o	29·26	−·39	47	45	+ 2	S	3	c	3	bc,o	7·6	50	41	0·10
	Prawle Point ...	29·61	43	SSW	3	c	29·33	−·27	45	44	+ 5	SSW	3	bc	3	c,r	≈	50	39	0·12
	Jersey (St. Aubin's)	29·67	45	WNW	3	bc	29·40	−·10	46	45	+ 7	S	5	cm	4	rg,bc.m	≈	46	38	0·11
	Hurst Castle ...	29·62	45	WNW	3	cm	29·41	−·13	42	41	+ 4	SSE	4	rm	2	c,m	≈	52	38	0·20
	Dungeness ...	29·60	43	ENE	2	bc	29·53	+·03	42	41	0	S	5	o	4	bc	≈	47	40	—
	North Foreland	29·62	43	NE	3	bc	29·53	+·01	40	40	− 3	SE	4	o	2	bc	≈	47	38	—
	London (Brixton) ...	29·61	45	SE	1	o	29·49	−·07	42	40	+ 3	ESE	2	op	≈	cm,op	0·0	48	37	0·03
	Oxford	29·61	43	7	0	o	29·44	−·15	40	39	+ 5	SE	3	r	≈	o	≈	49	35	—
	Cambridge ...	29·63	43	7	0	o	29·52	−·08	40	39	+ 16	SE	3	om	≈	o	3·8	52	33	—
	Yarmouth ...	29·61	42	ESE	3	bc	29·60	+·04	39	37	− 2	ESE	6	cg	5	b,bc	≈	44	36	—
GERMANY & HOLLAND.	Cuxhaven ...	29·67	36	E	5	o	29·76	+·16	34	34	− 1	E	3	o	≈	o	≈	37	34	—
	Berlin	29·64	39	NW	1	o	29·74	+·09	35	32	− 1	NE	3	o	≈	o	≈	46	32	—
	Wiesbaden ...	≈	≈	≈	≈	≈	29·75	+·13	35	33	− 3	7	o	bc	≈	≈	≈	46	32	—
	Munich... ..														≈		≈			
	The Helder ...	29·64	39	ENE	1	o	29·69	+·08	36	34	+ 3	ESE	1	c	1	o	≈	39	34	—
FRANCE & BELGIUM.	Brussels ...	≈	≈	≈	≈	≈	29·66	+·10	36	36	− 1	7	o	o	≈	o	≈	48	33	—
	Cape Gris Nez...	29·62	42	E	3	bc	29·56	+·05	39	37	+ 1	SSE	3	m	3	bc	≈	46	34	—
	Paris	29·60	43	NW	2	o	29·65	+·19	38	37	+ 5	S	2	o	≈	o	≈	46	37	0·16
	Brest	29·65	46	SSW	2	o	29·38	−·25	48	45	+ 3	SSW	3	c	4	o	≈	50	39	0·12
	Lorient... ...	29·69	46	WNW	4	c	29·42	−·18	48	47	+ 9	SW	4	c	4	c	≈	54	39	0·20
	Rochefort ...	29·79	49	WNW	6	bc	29·65	+·11	52	52	+ 5	WSW	4	o	≈	bc	≈	52	41	0·16
	Belfort	29·50	39	ENE	1	r	29·77	+·21	37	36	0	WSW	3	o	≈	r	≈	41	35	0·51
	Lyons	29·65	42	W	4	o	29·82	+·21	37	35	− 5	SSE	1	b	≈	o	≈	47	36	0·04
	Nice	29·52	44	7	o	b	29·57	−·03	46	36	+ 1	ENE	1	b	2	b	≈	57	41	—
	Perpignan ...	29·85	47	NW	4	b	29·84	+·12	45	44	− 4	7	o	o	≈	b	≈	59	43	0·08
	Biarritz ...	29·84	48	W	3	r	29·72	−·15	54	49	+ 7	SSE	3	o	4	r	≈	58	43	0·39
PENINSULA.	Corunna ...	29·90	55	WSW	9	f	29·67	−·40	54	49	+ 6	WSW	7	o	3	f	≈	57	46	0·12
	Lisbon	30·18	54	WSW	3	o	30·00	−·25	53	51	+ 1	WSW	4	r	≈	o	≈	61	52	0·04
	Azores (P. Delgada)	30·33	60	W	3	o	30·18	−·11	55	51	− 3	NW	1	c	2	o	≈	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; Brighton 3·8 hrs; Eastbourne 5·6 hrs; Hastings ? hrs; Ventnor ? hrs.

WEATHER CHARTS

FOR SUNDAY, 14TH MARCH, 1897.

BAROMETER, WIND AND SEA.

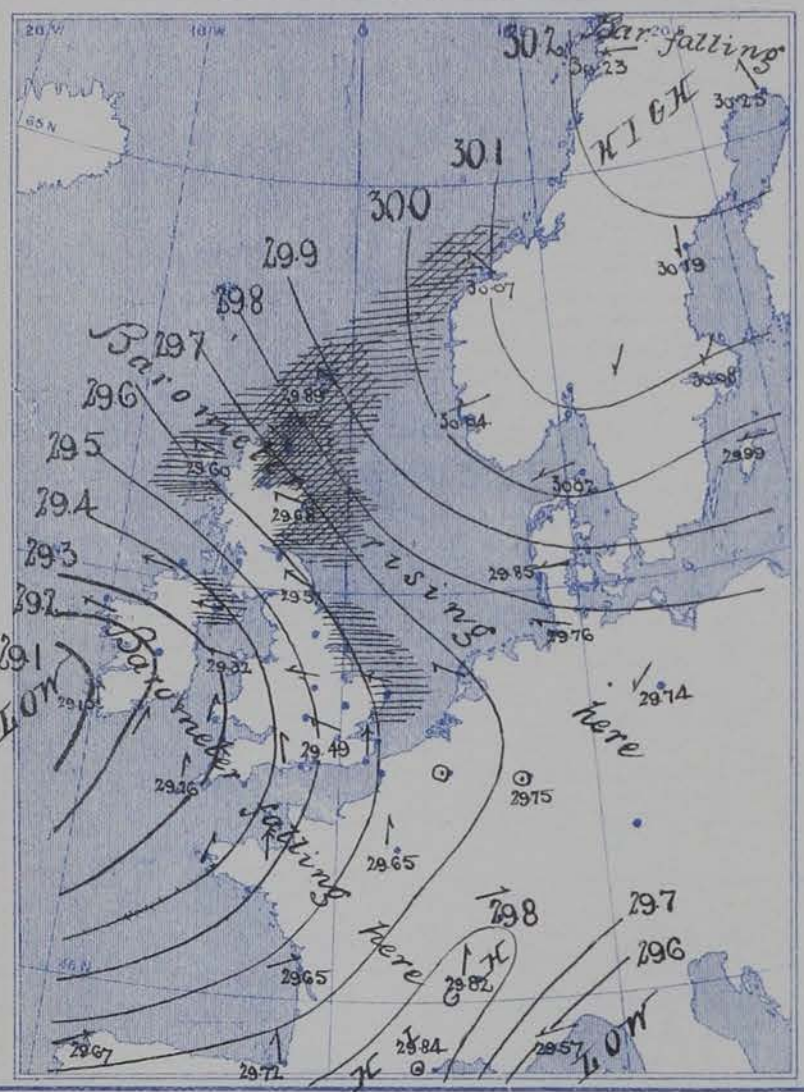
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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 ▓

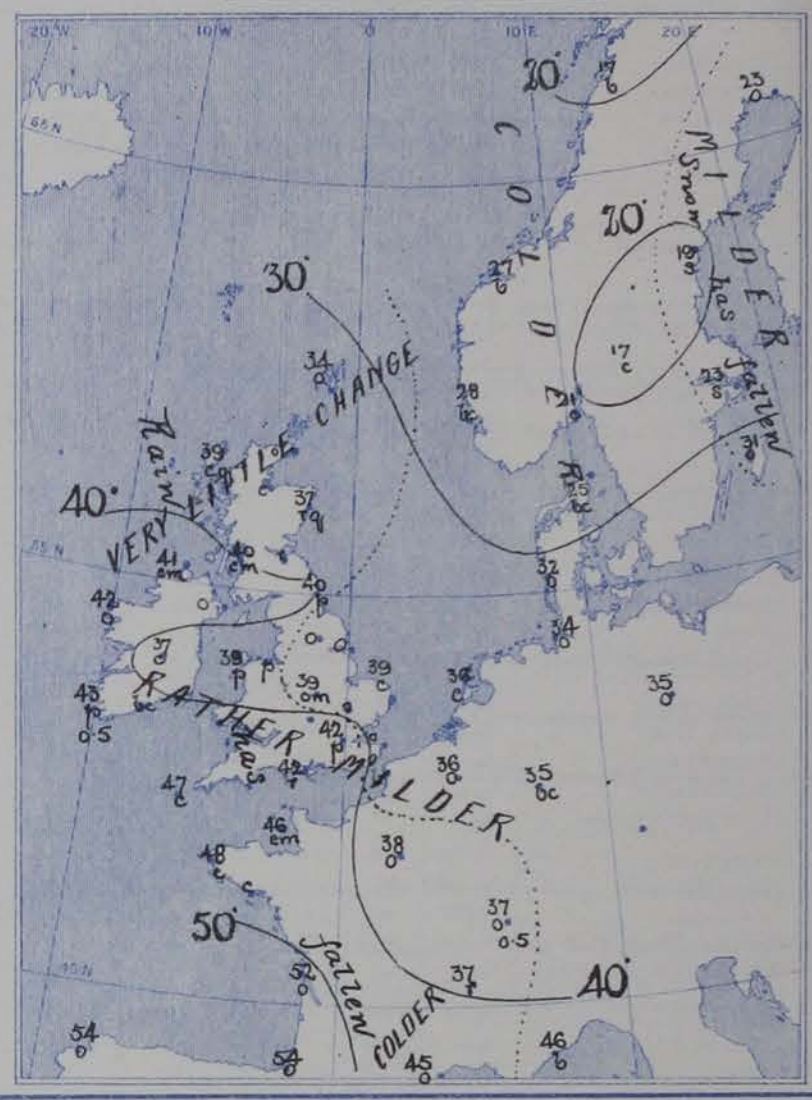


TEMPERATURE & WEATHER.

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 MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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 upwards, over the northern parts of Scandinavia; 30·0 in: and upwards in the extreme south of the Spanish Peninsula.
Lowest, 29·1 in: and less, in a well marked depression lying off the southwest of Ireland.
Gradients moderate or slight generally, but rather steep over the south of France.
Barometer rising in Scotland, and also in Norway, Denmark, Germany, the Netherlands, but falling elsewhere.

TEMPERATURE

Highest, 54° at Biarritz and Coruna, 53° at Lisbon, 52° at Rochefat, and 48° at Brest and Lorient.
Lowest, 17° at Bodö and Karlstad, 19° at Haparanda, and 23° at Haparanda and Stockholm; lowest in our Islands 34° at Lerwick, 35° at Nairn, Aberdeen & Haparanda.
During yesterday the thermometer rose to 50° and upwards at several of the English stations; on our north and east coasts, however, it failed, as a rule, to touch 45°.

WIND

Light from the S. or S.W. on our southwest coasts, and moderate from the S.W. in the west of France as well as on the Portugese coasts.
S.E. over nearly the whole of Great Britain and the north of Ireland, strong in force in many places, with a gale in the northeast of Scotland.
Light or moderate from the E. or N.E. over Scandinavia, Denmark, and North Germany; variable in the south of France.

WEATHER

Fine at some of our more southwestern stations, as well as in the west of Norway
Cloudy or dull in nearly all other parts of Western Europe, with steady rain or passing showers in very many parts of Great Britain and hail at Wick; snow is falling at Haparanda and Stockholm.
Rain fell yesterday in the west and north of our Islands generally, as well as at many of the Continental stations; the largest amounts being 0·5 in: at Valencia (Ireland) and Belfat, and 0·4 in: at Aberdeen, Pembroke and Biarritz.

SEA

Extremely high off the northeast of Scotland, and rather rough on our east and northwest coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 15th March 1897.

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
▼	0 SCOTLAND NORTH	None issued	▼ 6	SCOTLAND WEST	None issued
▼	1 SCOTLAND EAST		▼ 7	ENGLAND N.W.	
▼	2 ENGLAND N.E.		▼ 8	ENGLAND S.W.	
	3 ENGLAND EAST		▼ 9	IRELAND NORTH	
	4 MIDLAND COUNTIES		▼ 10	IRELAND SOUTH	
	5 ENGLAND SOUTH			WARNINGS	At 7·10 pm yesterday to districts 0 to 2 and 6 to 10. "Hoist South 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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·02	34	31	E	6	b	3
Sumburgh Head	29·80	34	33	SE	6	esp	7
Stornoway	29·47	41	34	E	4	o	5
Aberdeen	29·57	39	38	ESE	9	orpq	9
Shields	29·52	42	41	SSE	3	o	4
Ardrossan	29·45	42	41	SE	1	o	2
Malin Head ...	29·42	45	42	NW	3	b	1
Belmullet	29·56	47	43	NW	2	b	*
Holyhead	29·51	45	43	SW	3	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29·51	46	41	SE	2	cv	4
Scilly	29·65	50	45	WSW	2	bc	3
Jersey	29·65	43	41	WNW	5	og	4
Hurst Castle ...	29·60	51	47	N	1	c	1
Dungeness ...	29·65	46	45	ENE	2	bc	2
North Foreland	29·68	46	43	NE	3	bc	2
London (Westminster)	29·59	47	44	S	1	om	*
Yarmouth ...	29·58	44	42	E	3	b	3
Rochefort ...	29·76	50	45	NW	9	c	*

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

Weather in morning fine on our own southwest coasts, as well as in the north and east of England and the west of Norway. Cloudy or dull in nearly all other parts of Europe, with rain in Scotland, as well as in the southeast of England and many parts of France and northern Italy; thunderstorm reported at Biarritz. Snow falling over Sweden and the Gulf of Finland. Some improvement taking place later in the southeast of England, but rain falling in all the more western and northern parts of our Islands, as well as over France and the Spanish Peninsula.

Temperature fallen generally, but risen over Sweden and Northern Russia, as well as in Italy and the south of France. Morning readings highest 64° at Palermo, Algiers, and La Calle, 58° at Oran and 57° at Malta; above 50° at the Mediterranean stations generally. Lowest 13° at Archangel, 15° at Moscow, and 16° at Haparanda and Hernösand; below the freezing point over northern and eastern Europe generally, and very little above it over Central England. Daily maxima below 45° at many of our northern and eastern stations, but thermometer reaching 50° or more in some parts of the central and southern districts, exceeding 55° in the south of France and reaching 61° at Lisbon.

Wind moderate from the NW^{ly} or W^{ly} on our western coasts, and strong to a gale from the same quarters in the west of France. Moderate to strong from the E^{ly} over northern Europe generally, and strong to a gale from the SE^{ly} in the north of Scotland. Calm or variable over Austria and the south of Russia; S or SE in Italy; variable in the south of Spain. Subsequently backing to the S^{ly} or SE^{ly} on our own southwest coasts, and increasing to a fresh gale at night.

Barometer highest 30·7 in: and upwards in the extreme north of Russia; 30·1 in: and upwards in an anticyclone embracing nearly the whole of Russia and Scandinavia, as well as in another system over the southwestern part of the Spanish Peninsula. Lowest 29·4 in: and less, in a depression off the southwest of Scotland; 29·5 in: and less, in another disturbance over the north of France; 29·6 in: and less, in two other systems — one lying over North Germany and the other over the Gulf of Genoa. Scotch depression subsequently moving northeastwards and French disturbance passing eastwards and dispersing, but new cyclonic system approaching our southwest 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.

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, 15th March, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M.S.L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30.21	20	NW	0	0	30.08	-.17	16	16	-4	NW	0	c	*	0	*	28	14	0.04
	Hernösand ...	30.19	20	NW	0	b	30.17	-.02	15	14	-4	NW	0	c	*	b	*	27	15	
	Stockholm ...	30.10	27	NE	2	0	30.15	+.07	24	23	+1	NNE	2	0	*	0	*	32	19	0.04
	Wisby	30.06	29	ENE	4	c	30.10	+.11	31	30	0	E	4	0	*	c	*	34	23	-
	Karlstad ...	30.16	22	N	2	b	30.17	+.05	30	18	+13	N	2	0	*	b	*	*	*	-
	Bodö	30.13	21	E	4	bc	30.18	-.05	28	25	+11	N	4	bc	1	bc	*	28	14	-
	Christiansund ...	30.13	30	SE	1	b	30.12	+.05	26	24	-1	ESE	2	b	3	b	*	34	25	-
	Skudesnaes ...	30.05	29	E	4	b	30.02	-.02	28	24	0	ENE	4	c	2	b	*	34	25	*
	Færder (Christiania Fjord)	30.13	27	NNE	3	b	30.15	+.09	22	21	+1	NE	3	0	2	b	*	27	19	-
	Skagen (The Scaw)	30.06	29	E	3	bc	30.05	+.09	28	27	+3	E	3	c	0	bc	*	30	23	-
	Fanö	29.85	34	E	6	0	29.76	-.09	33	32	+2	ESE	7	0	*	0	*	37	31	-
	Sumburgh Head	29.94	32	ESE	4	S	29.90	+.01	33	32	-1	ESE	3	0	6	S	*	37	31	0.03
	Stornoway ...	29.72	40	ESE	5	0	29.72	+.12	35	33	-4	E	4	0	5	c. 0	5.0	45	31	-
	Wick	29.75	37	SE	8	0	29.73	+.04	36	35	-3	SE	8	0 p hu	9	0	*	39	34	0.08
	Nairn	29.72	38	E	3	0	29.65	+.06	34	33	-3	ESE	3	S	3	0, S	*	43	31	0.10
	Aberdeen ...	29.76	35	E	8	q p h r s	29.62	-.06	35	34	-2	E	8	q q r s h p	9	q q r s h p	0.0	38	34	0.11
	Leith	29.60	38	SE	3	0	29.44	-.12	38	37	-1	ENE	4	r	*	0, p	*	40	34	0.29
	Shields	29.55	39	E	5	o p	29.27	-.30	40	40	0	E	6	r	6	o p	*	41	35	0.23
	Spurn Head ...	29.41	38	E	6	r	29.30	-.24	42	42	+3	SSE	5	c	5	0, r	*	42	36	0.47
	York	29.49	38	E	2	r	29.26	-.27	42	40	+3	E	1	0	*	or	0.0	42	35	0.23
	Loughborough ...	29.40	38	ENE	3	0	29.26	-.24	42	40	+3	ESE	3	c p u	*	r. q, p, c	*	42	38	0.43
BRITISH ISLANDS.	Ardrossan ...	29.51	41	ENE	4	o m	29.40	-.07	38	37	-2	NE	4	o m	2	o m	*	43	35	0.01
	Malin Head ...	29.43	39	S	7	r	29.41	+.05	38	37	-3	ENE	5	r	3	r	*	41	36	0.15
	Belmullet ...	29.34	44	ENE	2	o r	29.44	+.16	39	38	-3	E	3	0	*	0, r	*	44	34	0.20
	Donaghadee ...	29.46	41	ESE	7	o q	29.36	-.03	40	39	-2	ENE	7	c	5	o q	*	42	37	0.16
	Liverpool (Bidston)	29.38	39	E	5	o r	29.20	-.21	38	36	-1	NNE	2	0	?	r	*	40	36	0.30
	Holyhead ...	29.35	41	E	4	c	29.26	-.06	42	41	+3	NNE	4	d m	3	c	*	46	38	0.02
	Parsonstown ...	29.31	44	E	1	b	29.35	+.16	38	37	+1	NW	1	0	*	bc, r	6.4	52	36	0.01
	Valencia ...	29.26	46	NE	1	bc	29.34	+.24	39	38	-4	NNE	1	c	3	bc	3.4	51	35	0.05
	Roche's Point ..	29.28	45	SE	3	bc	29.35	+.15	40	38	-5	NNE	3	c m	3	bc	*	49	36	-
	Pembroke (St. Ann's Hd.)	29.24	46	ESE	2	0	29.25	-.02	41	40	-4	NE	3	o q	4	bc, 0	6.4	48	40	0.04
	Scilly	29.15	44	S	1	o p	29.26	.00	44	42	-3	NNW	5	c p	4	o p	0.3	48	40	0.27
	Prawle Point ...	29.20	42	SSE	3	r	29.23	-.10	41	41	-4	SW	3	c p	3	r. p	*	48	39	0.47
	Jersey (St. Aubin's)	29.24	47	SSE	3	o q	29.33	-.07	45	44	-1	S	4	c g p	3	p, o. b	*	51	43	0.17
	Hurst Castle ...	29.26	47	ESE	4	r d	29.29	-.12	45	43	+3	SSW	4	c	3	o, r	*	48	41	0.38
	Dungeness	29.40	44	SSE	4	0	29.37	-.16	46	45	+4	SSW	4	c	3	r. o	*	46	39	0.66
	North Foreland	29.42	44	SSE	3	0	29.36	-.17	45	44	+5	S	3	bc	2	r, o	*	45	39	0.09
	London (Brixton) ...	29.37	45	SE	2	c	29.33	-.16	43	41	+1	S	2	c	*	o p d, o r, b	0.0	45	40	0.28
	Oxford	29.29	42	E	3	0	29.29	-.15	42	41	+2	S	2	b c m	*	r. o	*	43	38	0.52
	Cambridge ...	29.40	42	SE	1	0	29.33	-.19	43	41	+3	SE	2	b w	*	o r m	0.0	43	39	0.29
	Yarmouth ...	29.47	40	SE	5	g r	29.37	-.23	43	42	+4	SSE	4	b c	4	g r	*	43	36	0.24
GERMANY & HOLLAND.	Cuxhaven ...	29.62	36	SSE	5	0	29.67	-.09	36	36	+2	SE	5	0	*	0	*	39	34	-
	Berlin	29.85	36	NE	3	0	29.83	+.09	39	38	+4	ESE	3	0	*	0	*	39	35	-
	Wiesbaden ...	*	*	*	*	*	29.65	-.10	39	37	+4	NE	3	0	*	*	*	46	35	-
	Munich														*		*			
	The Helder ...	29.58	41	SE	1	r	29.48	-.21	41	40	+5	SE	1	r	1	r	*	41	36	0.39
BELGIUM.	Brussels ...	*	*	*	*	*	29.50	-.16	42	42	+6	SE	1	r	*	r	*	46	35	0.43
	Cape Gris Nez ...	29.43	45	SE	2	r	29.34	-.17	43	42	+4	SW	4	b c	3	r	*	48	36	0.08
	Paris	29.53	46	S	3	r	29.54	-.11	42	41	+4	S	2	c	*	r	*	48	38	0.71
	Brest	29.34	46	NW	4	c	29.32	-.06	46	44	-2	SW	3	c	3	c	*	48	41	0.39
	Lorient	29.34	46	W	6	r	29.36	-.06	46	43	-2	W	4	b c	4	r	*	54	41	0.35
FRANCE &	Rochefort ...	29.52	49	SW	5	r	29.53	-.12	48	47	-4	SW	6	c	*	o r	*	54	46	0.35
	Belfort	29.64	45	ENE	2	0	29.63	-.16	39	35	+2	ENE	2	c	*	0	*	53	37	-
	Lyons	29.66	49	SE	1	b	29.58	-.24	51	45	+14	S	4	c	*	b	*	56	37	-
	Nice	29.74	51	N	0	b	29.84	+.27	45	42	-1	E	6	r	4	b	*	61	41	-
	Perpignan ...	29.65	55	E	2	c	29.61	-.23	44	43	-1	W	1	0	*	c	*	64	42	-
	Biarritz ...	29.61	54	N	5	0	29.57	-.15	45	43	-9	SSE	3	0	4	0	*	66	43	0.51
PENINSULA.	Corunna ...																*			
	Lisbon	29.82	51	WSW	4	b	29.94	-.10	52	47	-1	NNW	4	b c	*	b	*	59	48	0.16
	Azores (P. Delgada)	30.25	54	NNW	3	b	30.06	-.22	60	57	+5	NSW	5	0	5	b	*	64	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; Brighton 0.1 hrs; Eastbourne 0.0 hrs; Hastings 0.0 hrs; Ventnor 0.0 hrs.

WEATHER CHARTS

FOR Monday, 15th March, 1897.

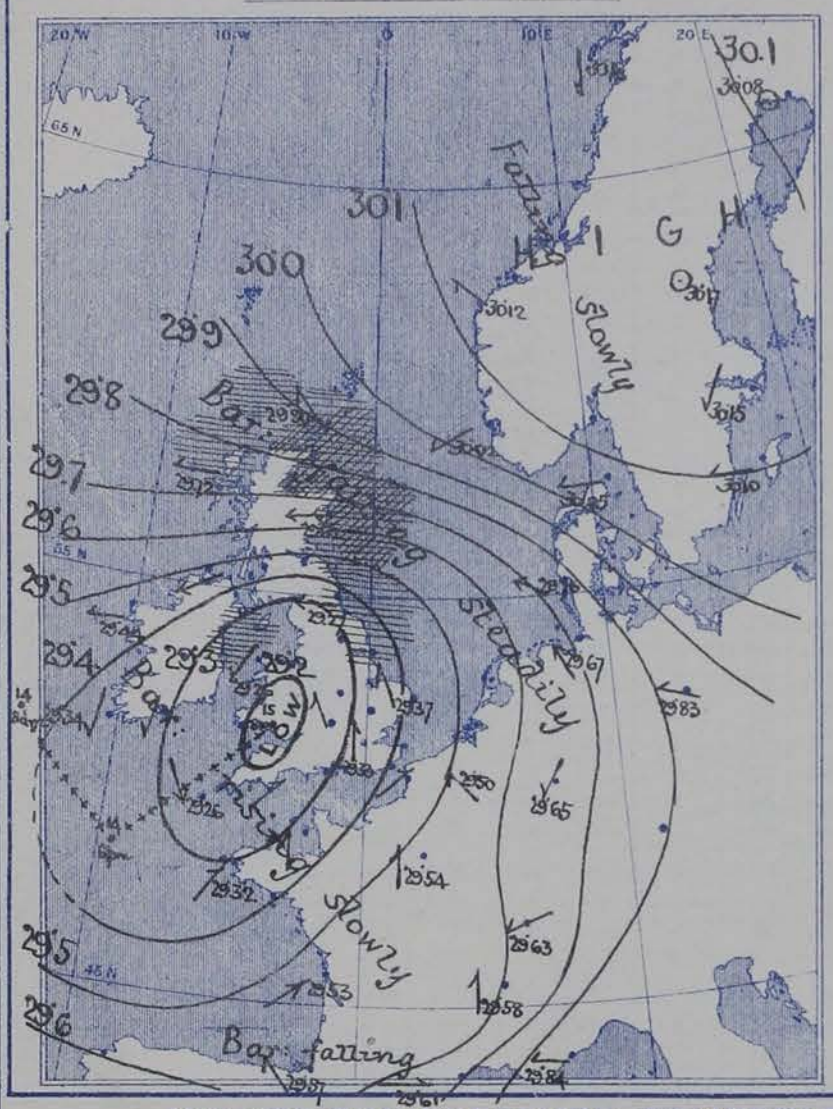
BAROMETER, WIND AND SEA.

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

WIND—Arrows shew 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*

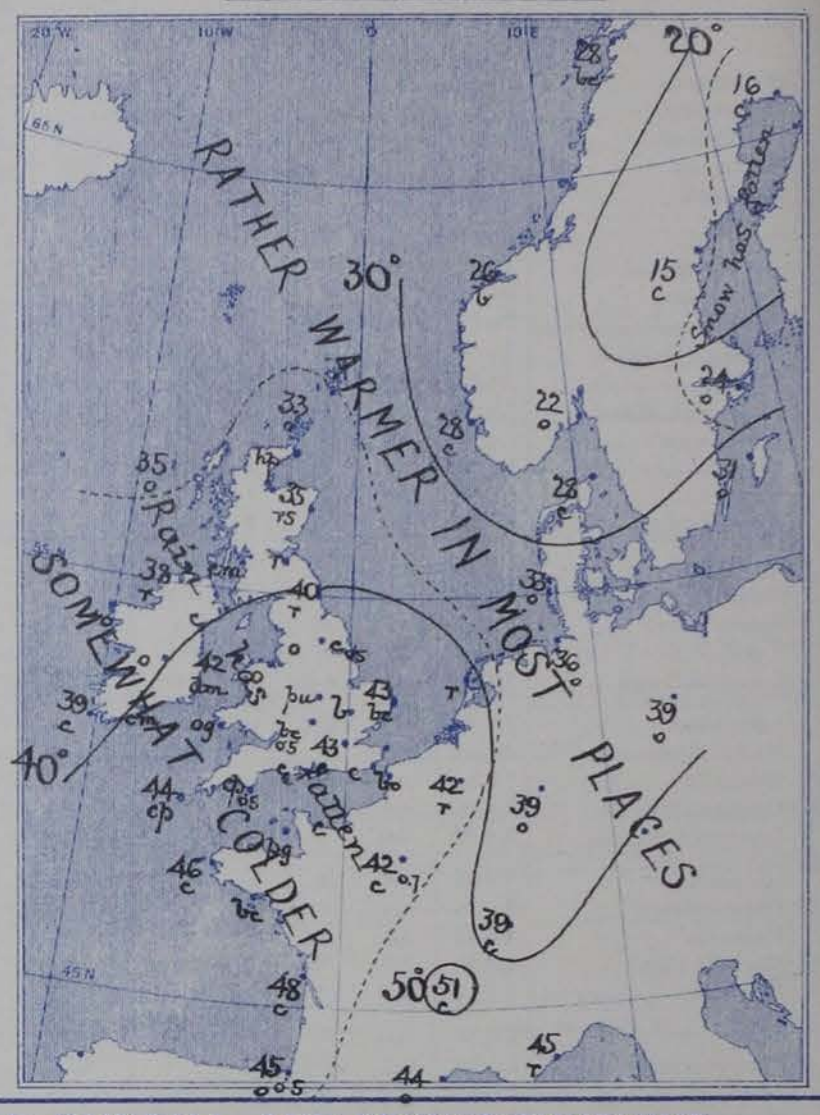


TEMPERATURE & WEATHER.

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 MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29 951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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 in: and upwards in a large anticyclone lying over Scandinavia; 29·9 in and upwards, in the south of Portugal.
Lowest, 29·2 in: and less. in a well marked depression having its centre over Wales.
Gradients rather steep over Scotland and the North Sea, but moderate or slight elsewhere.
Barometer rising in the south of our Islands, and the neighbouring parts of the Continent, but falling elsewhere.

TEMPERATURE

Highest, 52° at Lisbon, 51° at Lyons, 48° at Rochefort, and 46° at Dunkerque, Brest, and Lorient.
Lowest, 15° at Hernösand, 16° at Haparanda, 22° at Jaerden and 24° at Stockholm; lowest in our Islands 33° at Lerwick Head and 34° at Nairn.
The maxima registered yesterday were below 45° in all but the extreme southern and southwestern parts of our Islands, and below 40° in the north of Scotland.

WIND

Light to fresh from the S.ward over the greater part of England and France.
E. & SE. over the northern parts of Great Britain and the eastern shores of the North Sea, with a gale in the northeast of Scotland.
Strong from the NE.ward in the north of Ireland; light to moderate from the N.ward in Wales and the south of Ireland.

WEATHER

Fine in the southeast of England, but cloudy and unsettled in most other parts of our Islands, with showers on our southwest coasts and rain or sleet at many of our inland stations.
Cloudy or dull at most of the Continental stations, with rain at the Helder, Brussels and Nice; fine in the west of Norway.
Since yesterday morning rain has fallen in nearly all parts of our Islands, and also in the north and west of France; the largest amounts being 0·7 in: at Paris, and 0·5 in: at Spurn Head, Poole P. Orfd. and Biarritz. A solar halo was seen yesterday at Jersey.

SEA

Extremely high off the northeast of Scotland, and rough on our north and northeast coasts generally, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which appeared last evening to be moving away to the southeastward has changed its course, and has advanced northeastwards over Wales. It seems likely now to move in a northerly or northwesterly direction, but the distribution of pressure is still very complex, so that no material improvement in the weather is likely to occur at present.

FORECASTS

For the 24 hours ending at NOON on 16TH MARCH, 1897.

DISTRICTS.		FORECASTS.
▽ 0	SCOTLAND NORTH	E. gales and strong winds; squally, some snow or sleet showers.
▽ 1	SCOTLAND EAST	
▽ 2	ENGLAND N.E.	E. and SE. winds, strong; squally, some cold showers.
3	ENGLAND EAST	S. winds, moderate or fresh; changeable, some showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
▽ 6	SCOTLAND WEST	NE. to E. winds, freshening; unsettled, some cold showers
▽ 7	ENGLAND N.W.	
8	ENGLAND S.W.	N. to NW. winds, moderate or fresh changeable, some showers.
▽ 9	IRELAND NORTH	E. winds, strong; a gale in places; unsettled, rain at times.
10	IRELAND SOUTH	Same as No 8.
	WARNINGS	At 10·30 am to districts 8 and 10 Lower Cone. The signals are still flying in districts 0, 1, 2, 6, 7, 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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·05	29	28	E	4	6	2	Valencia							
Sumburgh Head								Scilly							
Stornoway	29·65	45	42	SE	5	c	7	Jersey	29·31	49	48	SSE	4	0	8
Aberdeen								Hurst Castle ...							
Shields								Dungeness ...	29·43	48	42	S	5	r	4
Ardrossan								North Foreland	29·44	41	40	SE	4	r	4
Malin Head ...	29·38	39	39	ESE	7	r	4	London (Westminster)							*
Belmullet	29·32	42	41	E	3	0	*	Yarmouth ...							
Holyhead								Rochefort ...	29·61	52	51	NNW	3	0	*

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 7th to the 13th MARCH 1897.

The weather of last week was again very changeable with frequent rain in most districts, and with thunder and lightning at some of our northwestern and southeastern stations.

At the commencement of the time high pressure areas were reported both over northern and southwestern Europe, the two systems being united by a "col" stretching across our Islands and the North Sea. The "col" soon gave way, however, and depressions began to move northwards along our extreme western coasts, the latter occasioning rain in all the more western and northern parts of our Kingdom, with gales from the S^ud or SE^ud on many parts of our northern and northwestern coasts, and with thunder and lightning in the north of Ireland and the west of Scotland. Later on, as the depressions spread more over us, the rain became general, but in the east and south the amount was, as a rule, moderate.

On the night of the 11th a rather deep depression advanced directly over our Islands from the southwestward, its centre being found next morning over the Irish Sea. The progress of this system was attended by gales from the S^ud or SE^ud, first of all on the English coasts; and afterwards in the east of Scotland where the sea ran very high. Heavy rain was experienced in many of our western districts, and smaller quantities in most other regions, while snow or sleet fell in the extreme north. Twenty-four hours later another well-marked depression advanced eastwards across the north of France, while at the close of the week yet another disturbance was approaching the south of Ireland, the general conditions were therefore very unsettled, with a continued gale from the SE^ud or E^ud in the northeast of Scotland, and an extremely high sea. Thunderstorms occurred at some stations in the southeast of England both on the 10th and 12th.

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. hazy (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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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 16th March, 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·18	7	S	0	b	30·17	+ ·09	4	3	— 12	N	2	b	*	b	*	25	4	—
	Hernösand ...	30·23	9	S	0	b	30·25	+ ·08	2	2	— 13	S	0	b	*	b	*	23	2	—
	Stockholm ...	30·22	23	S	0	0	30·17	+ ·02	25	24	+ 1	ENE	6	0	*	0	*	28	21	—
	Wisby	30·14	31	ESE	4	c	30·06	— ·04	32	31	+ 1	SE	4	s	*	c	*	34	25	—
	Karlstad ...	30·16	26	ESE	4	0	30·02	— ·15	24	23	— 6	NNE	4	s	*	0	*	*	*	—
	Bodö	30·20	22	E	4	bc	30·17	— ·01	20	17	— 8	E	4	b	1	bc	*	28	18	—
	Christiansund ...	30·03	31	ESE	3	b	29·80	— ·32	33	29	+ 7	ESE	4	bc	3	b	*	34	24	—
	Skudesnaes ...	29·82	32	E	6	s	29·62	— ·40	36	33	+ 8	ESE	7	0	4	s	*	36	24	*
	Færder (Christiania Fjord)	30·08	27	ENE	5	0	29·91	— ·24	27	27	+ 5	NE	4	s	2	0	*	27	21	—
	Skagen (The Scaw)	29·94	31	E	4	0	29·79	— ·26	34	34	+ 6	SE	4	s	1	0	*	34	27	0·20
	Fanö	29·61	39	ESE	6	r	29·70	— ·06	37	37	+ 4	SSW	3	bc	*	r	*	41	32	0·16
	Sumburgh Head	29·74	34	ESE	4	0	29·45	— ·45	34	34	+ 1	E	6	s	7	sp,0	*	36	29	0·07
	Stornoway ...	29·52	37	E	5	0	29·22	— ·50	40	39	+ 5	ESE	4	0	7	0	0·0	41	34	0·12
	Wick	29·55	36	SE	8	ors	29·29	— ·44	39	39	+ 3	SE	6	d	9	ors	*	39	33	0·10
	Nairn	29·46	35	ESE	4	0	29·23	— ·42	40	40	+ 6	S	0	0	1	rs,0	*	40	32	0·07
	Aberdeen ...	29·43	37	E	10	ogrsq	29·31	— ·31	40	39	+ 5	S	2	bcm	7	ors q,r	0·0	40	35	0·21
	Leith	29·29	40	E	4	r	29·28	— ·16	40	38	+ 2	S	1	0	*	rs p	*	41	35	0·24
	Shields	29·29	42	ESE	5	pbrq	29·34	+ ·07	40	39	0	SE	3	0	4	c p q hr	*	44	35	0·28
	Spurn Head ...	29·30	41	S	4	c	29·39	+ ·09	42	42	0	SSE	5	0	5	c,r h	*	46	38	0·35
	York	29·29	39	ESE	1	0	29·37	+ ·11	39	38	— 3	ESE	1	0	*	r. 0	0·0	48	36	0·14
	Loughborough ...	29·30	44	SSE	1	0	29·36	+ ·10	41	40	— 1	SSE	2	r	*	c p. o p. r	*	47	37	0·06
British Islands	Ardrossan ...	29·23	41	NE	4	pm	29·20	— ·20	41	40	+ 3	NE	3	orm	3	o p m	*	41	36	0·08
	Malin Head ...	29·27	39	ENE	3	0	29·07	— ·34	40	39	+ 2	SE	5	omq	3	0	*	40	38	0·0
	Belmullet ...	29·31	41	E	3	bc	28·95	— ·49	40	39	+ 1	E	4	0	*	o p. bc	*	43	34	0·06
	Donaghadee ...	29·23	42	NNE	5	0	29·15	— ·21	42	41	+ 2	ESE	6	r	5	0	*	42	35	0·01
	Liverpool (Bidston)	29·27	41	SW	2	0	29·20	·00	41	39	+ 3	ESE	5	r	3	o p	*	43	37	0·01
	Holyhead ...	29·28	41	SW	1	cp	29·12	— ·14	42	41	0	SE	4	rgm	3	ogm,cp	*	44	40	0·17
	Parsonstown ...	29·28	42	S	0	0	28·94	— ·41	43	42	+ 5	SE	1	c	*	o,r	0·1	44	37	0·06
	Valencia ...	29·26	43	S	0	c	28·91	— ·43	45	43	+ 6	S	4	rgm	4	o.c	1·0	47	38	0·28
	Roche's Point ...	29·30	44	SSW	4	bc	29·00	— ·35	43	43	+ 3	SW	5	r	5	bc	*	48	40	0·75
	Pembroke (St. Ann's Hd.)	29·33	43	W	3	b	29·13	— ·12	45	44	+ 4	WSW	5	bp	4	b	3·9	45	?41	0·94
	Scilly	29·38	47	WSW	4	cp	29·19	— ·07	49	47	+ 5	SSW	5	op	5	c,cp	7·2	50	42	0·13
	Prawle Point ...	29·41	44	WSW	5	bc	29·32	+ ·09	46	46	+ 5	SSW	6	bc	5	bc,rq	*	46	41	0·11
	Jersey (St. Aubin's)	29·48	47	WSW	3	b	29·47	+ ·14	47	47	+ 2	S	6	omp	4	bcp,b	*	51	42	0·13
	Hurst Castle ...	29·40	45	SW	4	bcm	29·39	+ ·10	46	45	+ 1	S	6	om	3	cpq,bcm	*	49	44	0·07
	Dungeness ...	29·40	44	SW	5	c	29·55	+ ·18	45	44	— 1	SSW	5	o	4	r.c	*	48	43	0·03
	North Foreland	29·40	45	S	4	op	29·35	+ ·19	43	42	— 2	S	5	o	4	o.op	*	49	40	0·09
	London (Brixton) ...	29·35	43	SSW	3	bcp	29·44	+ ·11	45	43	+ 2	S	5	r	*	cp,bc.oq	1·6	48	39	0·14
	Oxford	29·39	42	WSW	4	c	29·36	+ ·07	43	42	+ 1	SSE	3	rq	*	p.c	*	47	36	0·06
	Cambridge ...	29·34	42	SSW	2	r	29·46	+ ·13	43	41	0	S	4	omv	*	c,rq	3·6	48	35	0·09
	Yarmouth ...	29·37	44	S	4	c	29·53	+ ·16	42	41	— 1	SSE	4	b	4	bc,p.c	*	45	38	0·03
Germany & Holland	Cuxhaven ...	29·60	41	SE	4	0	29·74	+ ·07	40	40	+ 4	SSE	2	bc	*	0	*	45	36	0·04
	Berlin	29·77	44	SE	2	b	29·83	·00	40	39	+ 1	SE	2	0	*	b	*	50	37	—
	Wiesbaden ...	*	*	*	*	*	29·89	+ ·24	42	41	+ 3	E	1	0	*	*	*	55	39	—
	Munich														*		*			
	The Helder ..	29·50	44	SSE	1	0	29·66	+ ·18	40	39	— 1	S	1	b	1	0	*	46	37	0·20
Belgium, France &	Brussels ...	*	*	*	*	*	29·73	+ ·23	44	42	+ 2	S	3	0	*	c	*	46	39	0·04
	Cape Gris Nez ...	29·45	45	SW	4	0	29·59	+ ·20	42	41	— 1	SSW	5	c	5	0	*	48	39	0·12
	Paris	29·63	49	S	3	bc	29·76	+ ·22	43	41	+ 1	S	2	bc	*	bc	*	51	42	—
	Brest	29·50	48	SW	3	c	29·39	+ ·07	49	48	+ 3	SW	4	c	3	c	*	50	41	0·28
	Lorient	29·57	48	WNW	4	bc	29·47	+ ·11	48	48	+ 2	SW	6	f	4	bc	*	55	41	0·20
	Rochefort ...	29·56	51	SW	6	c	29·71	+ ·18	46	46	— 2	S	5	o	*	c	*	55	45	—
	Belfort	29·73	43	WSW	4	0	29·89	+ ·26	38	36	— 1	S	0	m	*	0	*	61	36	—
	Lyons	29·81	40	N	2	r	29·93	+ ·35	39	38	— 12	S	1	0	*	r	*	57	37	0·51
	Nice	29·76	52	E	6	r	29·86	+ ·02	49	45	+ 4	E	2	0	4	r	*	54	45	0·20
	Perpignan ...	29·77	45	NW	2	0	29·93	+ ·32	38	37	— 6	SW	2	b	*	0	*	58	37	0·24
	Biarritz ...	29·77	52	W	5	bc	29·77	+ ·20	50	45	+ 5	S	4	b	3	bc	*	57	45	—
Peninsula	Corunna ...																*			
	Lisbon	30·02	54	SW	4	b	30·01	+ ·07	56	53	+ 4	SSW	5	0	*	b	*	57	54	—
	Azores (P. Delgada)	29·93	59	W	4	0	29·75	— ·31	62	61	+ 2	SW	6	m	6	0	*	63	57	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; Brighton 2·5 hrs; Eastbourne 3·3 hrs; Hastings 4·0 hrs; Ventnor 3·3 hrs.

WEATHER CHARTS

FOR Tuesday, 16th March, 1897.

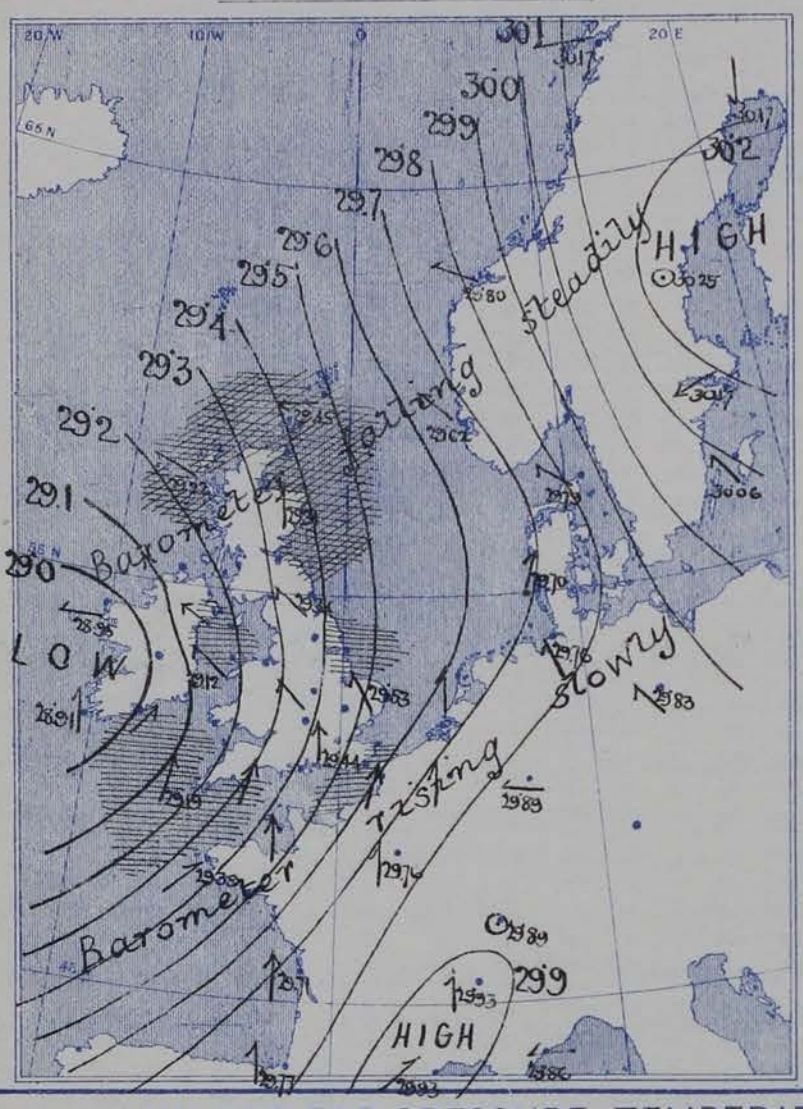
BAROMETER, WIND AND SEA.

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

WIND—Arrows shew 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* ▓

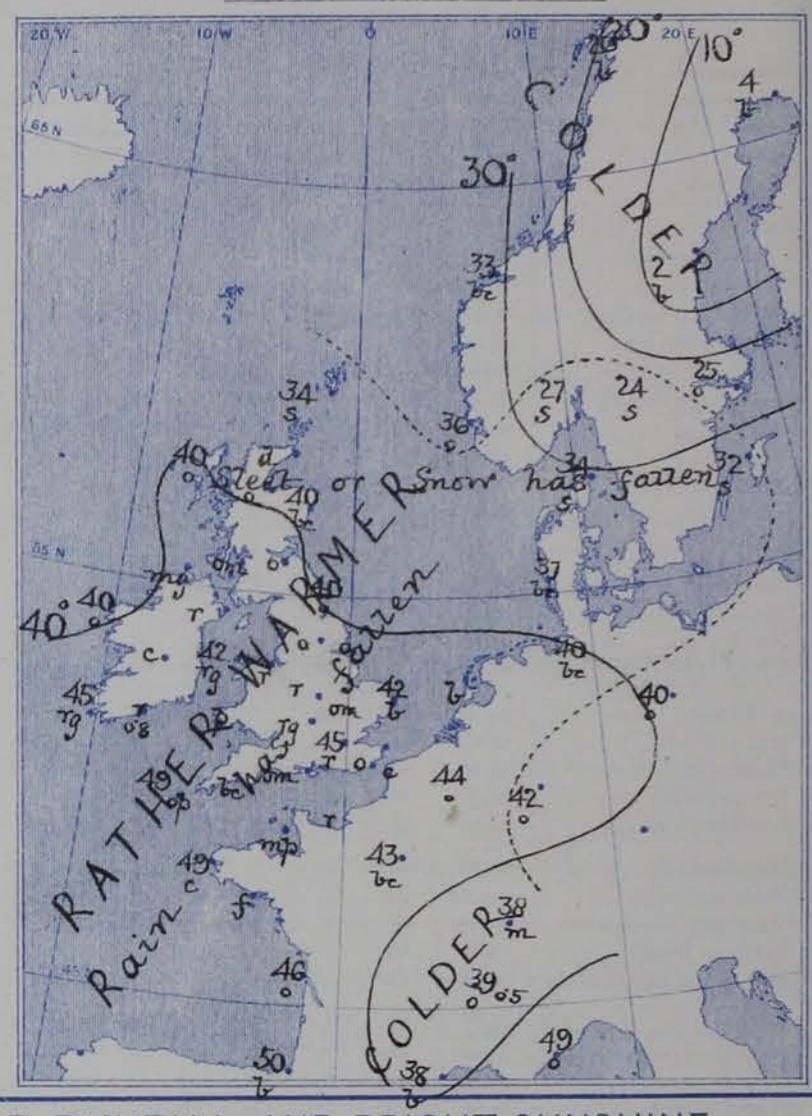


TEMPERATURE & WEATHER.

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 MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1870	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 · 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 · 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* 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 ins. and upwards in an anticyclone lying over the Gulf of Bothnia; 30.0 ins. & upwards in Portugal.
Lowest 29.0 ins. and less in a depression lying over the west and south of Ireland.
Gradients rather steep over the south of England and the N. of France, but moderate or slight elsewhere.
Barometer steady in the south of our Islands, and rising in France and Germany, but falling elsewhere.

TEMPERATURE

Highest 56° at Lisbon, 50° at Biarritz, 49° at Scilly, Brest and Nice, 48° at Lorient, and 47° at Jersey.
Lowest 2° at Hernösand, 4° at Haparanda, 20° at Bodö, 24° at Karlstad, and 25° at Stockholm;
lowest in our Islands, 34° at Dunbargh Head.
The maxima registered yesterday were below 50° in nearly all parts of the Kingdom; on several parts of our N. and NW. coasts the thermometer failed to exceed 40°.

WIND

Fresh to strong from the S^wd. in the south of our Islands and the north of France, but SE^by. or E^by. on all our more northern coasts, as well as at most of the Scandinavian stations.
Light from the E^wd. in Germany and also at Nice.

WEATHER

Dull and mostly over our Islands generally, with rain at many of the English and Irish stations, and snow at Dunbargh Head.
Fine over the W^rn. parts of the Continent as a whole, but snow reported over the S. of Scandinavia and the north of Denmark.
Rain has again fallen over the whole of our Islands and the neighbouring parts of the Continent, the largest amounts being 0.8 in. at Rocket's Pt., and 0.5 in. at Lyons. Hail and sleet fell yesterday in the N^rn. parts of Gt. Britain.

SEA

Extremely high at Wick, high off the north of Scotland generally, and rather rough on several parts of our western coasts, as well as at Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over Wales yesterday morning subsequently moved northwards and dispersed. The new disturbance in the west seems likely to travel in a similar direction, but other depressions will probably appear shortly off our southwest coasts.

FORECASTS

For the 24 hours ending at NOON on 17TH MARCH 1897.

DISTRICTS.		FORECASTS.
▼	SCOTLAND NORTH	SE^by. winds, strong in places, dull, some rain or sleet.
▼	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	S^by. winds, fresh or strong; changeable, some showers.
6	SCOTLAND WEST	SE^by. to S^by. winds, fresh or strong; squally, some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S^by. to SW^by. winds, strong; squally, showery.
9	IRELAND NORTH	Same as Nos. 6 and 7.
10	IRELAND SOUTH	Same as No. 8.
	WARNINGS	At 7.10 pm. yesterday to districts 0 and 1. Keep up South 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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...							
Sumburgh Head	29.82	34	34	ESE.	4	sp	7
Stornoway	29.62	41	37	E.	5	o	6
Aberdeen	29.51	36	35	E.	10	ogqrs	9
Shields	29.30	43	42	ESE	4	c	5
Ardrossan	29.28	38	38	NE	5	omp	2
Malin Head ...	29.32	40	38	ENE	6	o	4
Belmullet	29.37	42	41	ENE	3	op	*
Holyhead	29.24	44	42	W	2	opw	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.30	44	41	SSE.	1	o	3
Scilly	29.35	48	44	WNW	4	c	5
Jersey	29.41	48	46	WSW	4	bc	3
Hurst Castle ...	29.30	45	43	SSW	5	cpq	3
Dungeness ...	29.37	44	44	SSW	4	r	3
North Foreland	29.38	46	44	SSE.	4	o	3
London (Westminster)	29.32	47	44	SSW	3	cp	*
Yarmouth ...	29.38	45	43	SSE.	4	bc	4
Rochefort ...	29.61	54	50	SW	5	c	*

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

Weather in morning fine and bright on the Norwegian coast, as well as over the S.W. parts of Spain, and the whole of Italy and the Adriatic; dull and very unsettled elsewhere, with rain in several parts of our Islands and western Europe, hail and snow in Scotland. These conditions continuing during the day — the rainfall being as much as 0.75 in. at Rochefort.

Temperature changing little and irregularly. Morning readings highest 61° at Sfax, 59° at Algiers and Palma, 52° at Lisbon, 48° at Rochefort, 46° at Dungeness. Lowest 6° F. at Kharkof, 11° at Archangel, and much below the freezing point over Russia and Scandinavia generally; 31° at Sumburgh Hd., 34° at Nairn, 38° at Liverpool and Parsonstown. Rising later to between 39° and 41° at the Scotch stations, to 48° in several parts of England and Ireland, 51° at Jersey and Paris, and 58° at Perpignan, but continuing to change very irregularly in all districts.

Wind light and anticyclonic over Scandinavia and Russia, but cyclonic over the whole of the British Islands and their neighbourhood — the N. winds on our southwestern coasts being of little strength, and the S. winds moderate at our E. stations, while the E. winds in Scotland and on the E. shores of the North Sea were strong to a gale in force. The E. gale becoming severe in Scotland later and the wind shifting to the S.W. again in the S. of Ireland.

Barometer (1) highest 30.5 ins. and more to 30.1 ins. over Russia, and 30.2 ins. to 30.1 ins. over Scandinavia (2) 29.9 ins. and more over the S.W. of Spain. Lowest 29.2 ins. and less in a depression over Wales and the Bristol Channel, and spreading over the United Kingdom and its neighbourhood. A new disturbance approaching Ireland from the Atlantic 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.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 17th March, 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·04	3	↗	0	b	29·99	−·18	−7	−8	−11	E	2	b	*	b	*	12	−8	—
	Hernösand ...	30·10	16	↗	0	o	29·96	−·29	19	19	+17	↗	0	f	*	o	*	23	−6	0·04
	Stockholm ...	29·96	32	↗	0	s	29·95	−·22	32	31	+7	↗	0	f	*	s	*	32	21	0·16
	Wisby	29·91	34	SE	4	r	29·93	−·13	33	31	+1	W	2	f	*	r	*	36	27	0·12
	Karlstad ...	29·96	27	NNE	2	o	29·91	−·11	27	26	+3	ENE	2	o	*	o	*	*	*	0·32
	Bodö	30·03	21	E	2	b	29·99	−·18	20	18	0	E	2	b	1	b	*	25	16	—
	Christiansund ...	29·74	36	ESE	1	b	29·68	−·12	34	31	+1	SE	3	b	3	b	*	41	32	—
	Skudesnaes ...	29·69	39	ESE	6	m	29·54	−·08	40	37	+4	ESE	6	o	4	o,m	*	?	?	*
	Færder (Christiania Fjord)	29·60	29	N	3	o	29·81	−·10	29	29	+2	N	2	s	2	o	*	29	27	—
	Skagen (The Scaw)	29·86	35	SSE	1	m	29·76	−·03	35	35	+1	SSE	3	o	1	m	*	36	32	0·16
	Fanö	29·75	43	S	3	c	29·66	−·04	42	41	+5	S	4	r	*	c	*	50	37	—
	Sumburgh Head	29·35	42	ESE	4	o	29·23	−·22	42	42	+8	SE	4	o	7	o	*	43	34	0·25
	Stornoway ...	29·08	43	ESE	4	ow	29·04	−·18	42	41	+2	SSW	4	c	6	o,ow	2·5	45	39	0·17
	Wick	29·17	40	S	6	o	29·13	−·16	43	42	+4	S	3	bc	7	orsp	*	43	39	0·08
	Nairn	29·11	42	ESE	2	c	29·11	−·12	45	43	+5	↗	0	b	1	c	*	47	37	—
	Aberdeen ...	29·21	42	SSE	4	ogq	29·19	−·12	44	41	+2	S	3	c	4	orgq	0·6	43	40	0·08
	Leith	29·15	42	ESE	2	bc	29·14	−·14	42	40	+2	ESE	1	c	*	bc	*	48	37	0·02
	Shields	29·23	47	SE	2	op	29·22	−·12	45	44	+5	SSW	3	c	3	o,p	*	49	38	0·05
	Spurn Head ...	29·34	46	SSE	5	bc	29·37	−·02	46	45	+4	S	4	b	4	bc,p	*	48	40	0·07
	York	29·29	46	S	2	r	29·30	−·07	44	42	+5	S	2	o	*	fl,r	2·0	53	37	0·14
	Loughborough ...	29·33	46	SSE	4	c	29·38	+·02	45	43	+4	SSW	4	bcv	*	r,op,bc	*	56	41	0·24
British Islands.	Ardrossan ...	29·05	44	ENE	3	rm	29·06	−·14	42	42	+1	E	4	om	3	rm	*	44	40	0·08
	Malin Head ...	28·91	42	S	5	cw	28·96	−·11	42	41	+2	S	4	c	2	r,cw	*	44	36	0·12
	Belmullet ...	28·95	45	SW	3	bc	28·91	−·04	45	45	+5	S	2	o	*	o,bc	*	47	38	—
	Donaghadee ...	29·08	44	SSW	6	op	29·08	−·07	43	43	+1	SW	6	c	4	op	*	48	39	0·21
	Liverpool (Bidston)	29·23	44	S	3	bc	29·26	+·06	48	44	+7	SSW	4	bc	3	op,bc	*	52	39	0·08
	Holyhead ...	29·16	46	S	5	bcp	29·20	+·08	46	45	+4	SW	7	oq	4	cpq	*	50	41	0·08
	Parsonstown ...	29·03	45	S	1	b	29·02	+·08	45	44	+2	SE	1	or	*	c,r,b	1·3	48	40	0·17
	Valencia ...	28·93	47	S	4	cm	28·92	+·01	51	48	+6	SW	6	bcq	5	ogp,bcm	5·5	51	43	0·37
	Roche's Point ..	29·06	47	SSW	6	b	29·04	+·04	48	48	+5	SSW	8	rq	5	b,rq	*	50	43	0·50
	Pembroke (St. Ann's Hd.)	29·23	44	WSW	6	r	29·27	+·14	47	47	+2	SW	6	o	6	b,r	5·1	47	43	0·15
	Scilly	29·26	48	SSW	6	cp	29·29	+·10	50	50	+1	S	6	om	5	cp	4·3	51	46	0·08
	Prawle Point ...	29·35	45	SSW	6	c	29·44	+·12	48	48	+2	SSW	5	om	4	pq,c	*	48	43	0·02
	Jersey (St. Aubin's)	29·49	49	SSW	5	op	29·59	+·12	49	48	+2	SSE	6	ogm	5	op	*	57	45	0·16
	Hurst Castle ...	29·48	48	SSW	4	o	29·52	+·13	49	47	+3	SSW	5	cpq	3	cw,op	*	51	44	0·07
	Dungeness ...	29·52	47	SSW	6	bcq	29·57	+·02	46	45	+1	SSW	5	bc	4	ow,bpq	*	48	44	0·27
	North Foreland	29·54	47	S	4	c	29·57	+·02	47	46	+4	S	4	cp	3	c	*	49	42	0·27
	London (Brixton) ...	29·45	49	SSW	4	cp	29·52	+·08	49	47	+4	SSW	2	c	*	cp	2·8	54	42	0·07
	Oxford	29·41	46	S	3	o	29·46	+·10	47	45	+4	SSW	3	b	*	op	*	54	42	0·03
	Cambridge ...	29·44	49	SW	5	pq	29·49	+·03	45	44	+2	S	4	b	*	b,pq	4·5	55	40	0·13
	Yarmouth ...	29·49	45	S	4	c	29·50	−·03	46	44	+4	SSW	4	bc	4	r,c	*	46	40	0·12
Germany & Holland.	Cuxhaven ...	29·74	50	SW	1	bc	29·69	−·05	44	44	+4	SSE	3	o	*	bc	*	54	40	—
	Berlin	29·87	50	↗	0	b	29·85	+·02	45	43	+5	S	1	c	*	b	*	55	41	—
	Wiesbaden ...	*	*	*	*	*	29·87	−·02	44	43	+2	SE	1	o	*	*	*	55	41	—
	Munich														*		*			
	The Helder ...	29·64	46	S	2	r	29·58	−·08	46	45	+6	S	4	bc	1	r	*	50	39	0·08
Belgium.	Brussels ...	*	*	*	*	*	29·71	−·02	47	45	+3	SSW	4	bc	*	r	*	53	43	0·08
	Cape Gris Nez ...	29·55	49	SW	5	o	29·59	·00	45	43	+3	SW	6	c	5	o	*	50	37	0·08
	Paris	29·73	50	SSW	3	bc	29·76	·00	48	46	+5	SSW	3	c	*	bc	*	53	43	—
	Brest	29·48	50	SW	4	c	29·53	+·14	50	50	+1	S	3	r	4	c	*	52	45	0·04
	Lorient	29·55	51	SSW	6	o	29·61	+·14	50	50	+2	SSW	6	f	4	o	*	55	45	0·20
France &	Rochefort ...	29·70	53	SSW	5	bc	29·76	+·05	51	50	+5	S	4	o	*	c,bc	*	55	46	0·04
	Belfort	29·84	51	E	1	o	29·90	+·01	45	44	+7	↗	0	m	*	o	*	57	38	—
	Lyons	29·88	48	S	1	b	29·95	+·02	48	46	+9	S	1	c	*	b	*	56	39	—
	Nice	29·94	52	↗	0	r	29·95	+·09	50	47	+1	E	1	b	0	r	*	57	48	0·04
	Perpignan ...	29·89	52	E	2	bc	29·98	+·05	50	49	+12	NE	1	o	*	bc	*	59	38	—
	Biarritz ...	29·79	58	S	5	o	29·80	+·03	57	50	+7	SSE	4	c	5	o	*	63	50	—
Penin-sula.	Corunna ...																*			
	Lisbon	29·97	57	SSW	6	r	30·06	+·05	58	58	+2	WSW	5	r	*	r	*	59	56	2·13
	Azores (P. Delgada)	29·78	59	WNW	5	r	29·80	+·05	53	52	−9	SW	5	o	6	r	*	64	57	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 3·8 hrs; Brighton 3·8 hrs; Eastbourne 2·5 hrs; Hastings 2·5 hrs; Ventnor 3·8 hrs.

WEATHER CHARTS

FOR WEDNESDAY, 17th MARCH, 1897.

BAROMETER, WIND AND SEA.

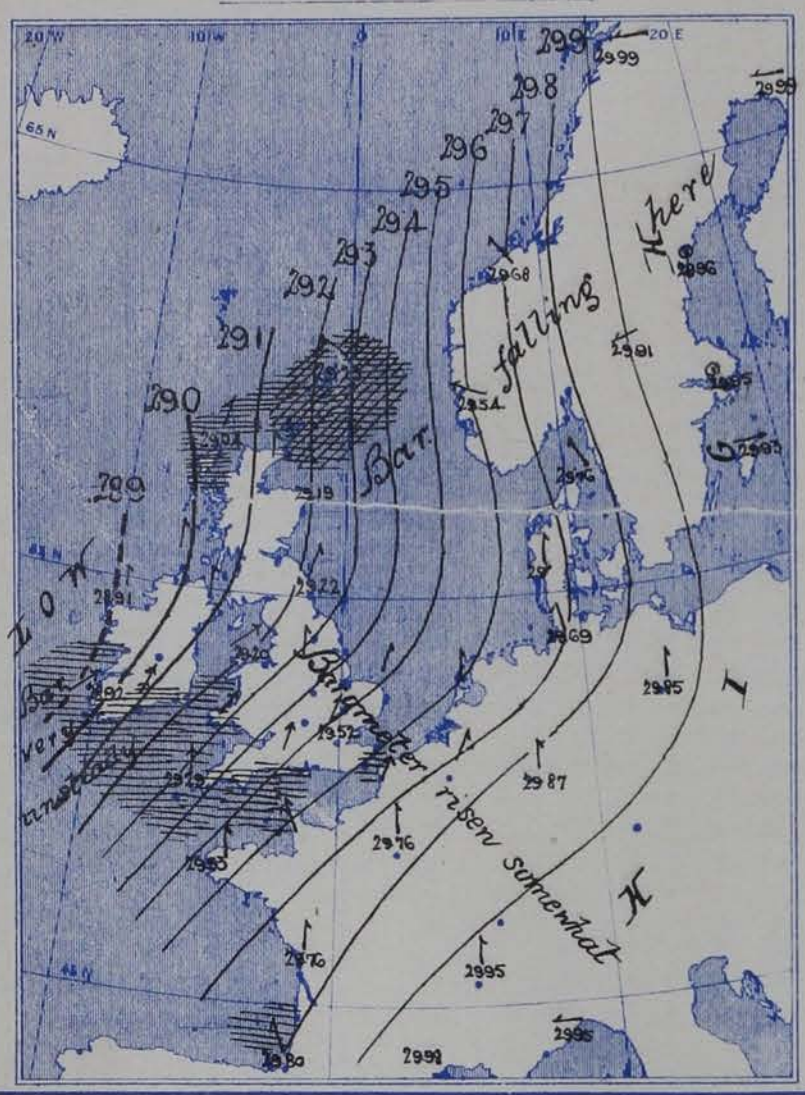
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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* ▒

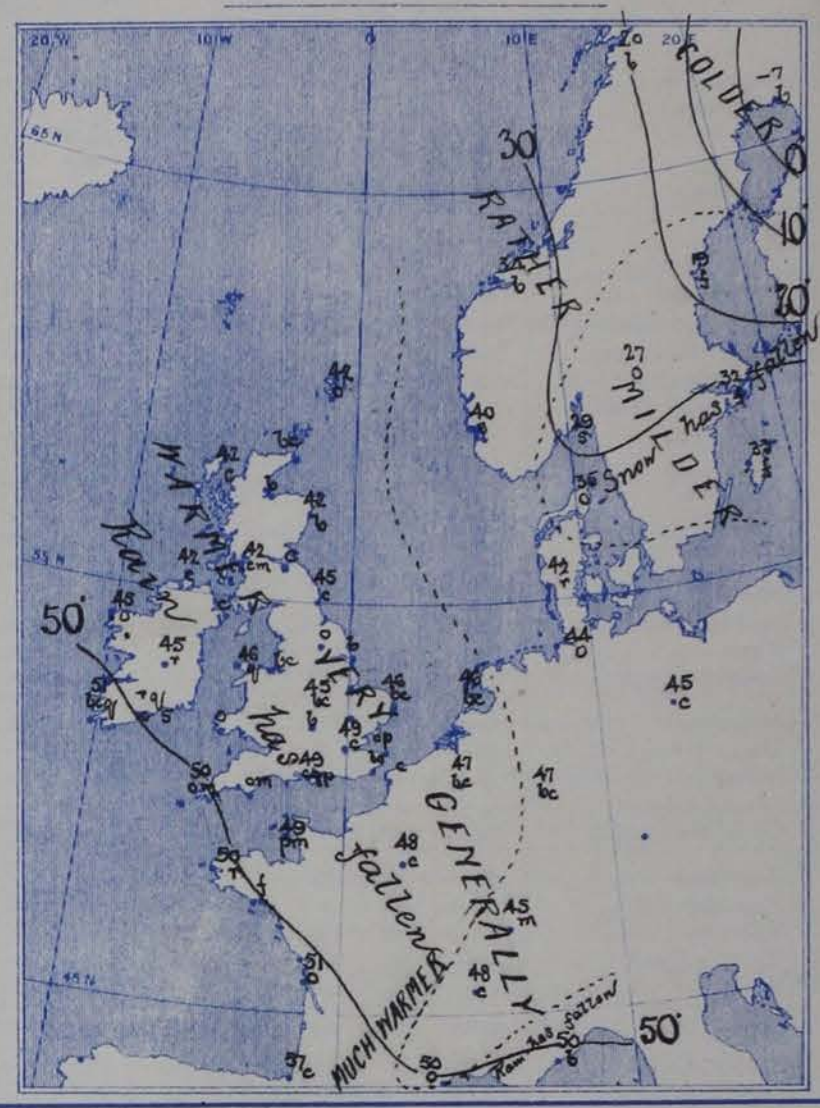


TEMPERATURE & WEATHER.

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 MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5		—		—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3		—		—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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 ins. and more to 29.7 ins. at almost all the Continental stations.
Lowest 28.9 ins. off the west coast of Ireland.
Gradients somewhat steep, and favourable for S. ¼ winds.
Barometer fallen somewhat in the north, risen in the south, and was unsteady generally.

TEMPERATURE

Highest 57° at Biarritz, 50° at Nice, Lorient and Scilly, 51° at Valencia (Ireland)
Lowest −7° at Haparanda, +9° at Hernösand, 20° at Bodö, 29° at Karlstad, 34° at Christiansund, 42° at Aberdeen and Leith.
Maxima recorded yesterday as high as 57° at Jersey, 56° at Loughborough, and above 50° at many of the English stations; 53° at Paris, 55° at Berlin, 57° at Belfort and Nice.

WIND

S. ¼ or S.S.W. ¼ at our own and the French stations, S.E. ¼ in the west of Norway.
It was strong at most stations in Ireland, England and France, very light and variable over Germa

WEATHER

Still very changeable and showery, though temporarily clear at several stations.
The amounts of rain reported this morning are not large the greatest being 0.50 in. at Rocke, Pl and 0.37 in. at Valencia. Bright Sunshine recorded yesterday was more than 5 hours at Valencia and Pembroke, and from 4 to 2 hrs. at stations over our S.W. counties, 4.5 hrs. at Cambridge.

SEA

High in the north, rough in the west, rather rough in the south, moderate in the east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further showers are probable, with very mild weather, bright intervals, and fresh to moderate S. ¼ winds.

FORECASTS

For the 24 hours ending at NOON on 18TH MARCH 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. ¼ winds, moderate to fresh, showery.	6 SCOTLAND WEST	S. ¼ and S.W. ¼ winds, strong to moderate; showery, bright intervals.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH	S. ¼ and S.W. ¼ winds, strong to moderate; showery, bright intervals.	WARNINGS	Signals all lowered this morning.

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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.67	39	35	SE	6	o	4
Sumburgh Head	29.34	42	41	E	3	o	7
Stornoway	29.7	45	42	ESE	3	o	5
Aberdeen	29.28	42	41	SE	5	orgq	7
Shields	29.25	42	41	SE	4	o	4
Ardrossan	29.07	44	44	ESE	3	o	2
Malin Head ...	28.91	42	42	SE	5	r	3
Belmullet	28.90	45	45	E	1	o	*
Holyhead	29.15	49	47	S	6	bc	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	28.96	51	46	SSW	5	cp	5
Scilly	29.23	51	47	SSW	6	cp	5
Jersey	29.48	56	50	SSW	5	bc	4
Hurst Castle ...	29.43	51	49	SSW	5	cw	3
Dungeness ...	29.52	47	46	SSW	7	ow	6
North Foreland	29.55	46	45	S	6	o	5
London (Westminster)	29.45	53	49	SW	4	bc	*
Yarmouth ...	29.50	45	44	S	5	r	4
Rochefort ...	29.73	53	51	S	5	c	*

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

Weather in morning dull over the greater part of our Islands, with rain at many of the English and Irish stations and snow at Sumburgh Hd. Fine over the northern parts of Scandinavia, as well as in Holland, NW^n. Germany and some portions of the extreme south of France; cloudy and unsettled in other parts of the continent, with rain at Turin, Leghorn and Toulon and snow in the south of Scandinavia and the north of Denmark. Rain falling during day over W^n. Europe generally and thunderstorms occurring at York. Lunar halos seen in the E. and S. of England.

Temperature risen in our Islands, and also in Norway, Denmark, Germany and Italy, fallen elsewhere. Morning readings highest 59° at Malta, 58° at Algiers, and 57° at Sfax; above 50° at the Mediterranean and Spanish coast stations generally; above 45° in the south of England. Lowest 1° at Ulealborg, 2° at Hernösand, and 4° at Haparanda and Moscow, below the freezing point over Sweden and Russia generally. Rising during day to between 50° and 55° in many parts of England and the south of Ireland, and touching 57° at Jersey; exceeding 55° over the southern parts of France, and reaching 63° at Lisbon.

Wind fresh to strong from the S^wd. over Spain, the Bay of Biscay and the south of our Islands, and light from the same quarter over central France and the Netherlands. SE. ½ or E. ½ over the northern parts of the United Kingdom, as well as over the greater part of Scandinavia, Denmark and Germany. Calm or variable in Austria; E. ½ or NE. ½ in the south of Russia and also in Italy. Subsequently veering to the S^wd. at many of our northern stations. No important change occurring elsewhere.

Barometer highest 30.4 ins. and upwards over the southern parts of Russia, 30.1 ins. and upwards in an anticyclone covering the greater part of E^n. Europe, and also in another system over Morocco and the extreme south of Spain. Lowest 29.0 ins. and less in a depression lying over the S^w. parts of Ireland, 29.7 ins. and less in a shallow disturbance off the Tunisian coasts. Depression subsequently moving N^wd., but new disturbances beginning to approach 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 Thursday, 18th March, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	30.06	-4	NE	0	fog	29.99	.00	-12	-12	-5	NE	0	fog	*	fog	*	12	-20	-
	Hernösand ...	29.95	19	N	4	S	29.75	-.21	21	20	+2	N	4	S	*	S	*	23	14	0.20
	Stockholm ...	29.86	33	NE	0	fair	29.65	-.30	34	30	+2	E	2	rain	*	fair	*	34	30	0.04
	Wisby	29.80	33	SE	4	rain	29.59	-.34	35	34	+2	NNW	2	fair	*	rain	*	36	28	0.08
	Karlstad ...	29.75	33	SE	2	rain	29.57	-.34	33	33	+6	E	2	rain	*	S, rain	*	*	*	0.16
	Bodö	29.80	24	ENE	4	fog	29.72	-.27	23	19	+3	E	6	fog	2	fog	*	27	18	-
	Christiansund ...	29.49	38	ESE	1	fog	29.38	-.30	38	34	+4	NE	0	foggy	2	fog	*	43	34	-
	Skudesnaes ...	29.47	40	SE	6	0	29.24	-.30	41	40	+1	ESE	4	rain	3	0	*	43	36	*
	Færder (Christiania Fjord)	29.67	35	NE	1	rain	29.46	-.35	33	33	+4	NNE	1	fair	1	rain	*	36	28	0.47
	Skagen (The Scaw)	29.64	36	S	2	fair	29.38	-.38	36	36	+1	SSE	3	rain	0	fair	*	37	34	0.12
	Fanö	29.56	41	SSE	4	cloudy	29.27	-.39	41	41	-1	SW	4	fair	*	c, rain	*	?	39	0.39
	Sumburgh Head	29.14	42	SE	4	0	28.99	-.24	43	42	+1	SE	4	0	6	0	*	44	41	0.12
	Stornoway ...	28.87	45	ESE	4	0	28.84	-.20	42	42	0	NNW	3	rain	4	c, 0	2.8	48	40	0.19
	Wick	28.98	43	S	5	0	28.91	-.22	44	42	+1	SSW	2	drizzle	4	0	*	45	40	0.08
	Nairn	28.92	46	E	1	cloudy	28.91	-.20	44	43	-1	W	1	cloudy	1	cloudy	*	54	37	-
	Aberdeen ...	29.04	43	SSE	4	0 fog rain	29.01	-.18	42	40	0	SW	2	0 fog	4	p. fog rain	2.5	45	41	0.13
	Leith	29.01	45	SE	1	rain	29.06	-.08	44	42	+2	NNW	3	cloudy	*	rain	*	53	40	0.01
	Shields	29.14	49	S	2	hail	29.18	-.04	46	44	+1	SW	3	rain	2	rain	*	52	40	0.01
	Spurn Head ...	29.27	47	SSW	5	cloudy	29.27	-.10	45	44	-1	SW	5	cloudy	4	cloudy, rain	*	52	42	0.05
	York	29.23	51	SSE	2	cloudy	29.26	-.04	44	42	0	S	2	cloudy	*	cloudy	2.6	53	42	0.04
	Loughborough ...	29.30	52	S	3	0	29.39	+.01	44	41	-1	SW	4	cloudy, rain	*	rain, fog, hail	*	54	43	0.12
BRITISH ISLANDS.	Ardrossan ...	28.94	46	S	4	cloudy	29.10	+.04	43	43	+1	SSW	4	rain	3	cloudy, rain	*	47	44	0.11
	Malin Head ...	28.89	43	S	5	rain	29.06	+.10	44	43	+2	NNW	5	0	3	rain, fog	*	49	41	0.20
	Belmullet ...	28.89	45	SW	5	0	29.25	+.34	47	45	+2	W	4	cloudy	*	fog, drizzle	*	49	44	0.41
	Donaghadee ...	28.97	47	ESE	6	cloudy	29.18	+.10	43	41	0	NNW	5	cloudy	3	rain	*	52	40	0.12
	Liverpool (Bidston)	29.19	51	SW	3	rain	29.29	+.03	45	41	-3	SW	5	0	4	rain	*	55	43	0.10
	Holyhead ...	29.08	47	S	8	fog rain hail	29.32	+.12	44	43	-2	NNW	6	cloudy	5	fog rain	*	50	42	0.38
	Parsonstown ...	29.00	48	SE	1	0	29.35	+.33	42	42	-3	SW	2	rain	*	fog, hail rain	3.1	55	39	0.26
	Valencia ...	29.09	46	SW	6	0 fog rain	29.47	+.55	49	44	-2	NNW	7	cloudy	6	cloudy, fog rain	3.3	52	42	0.24
	Roche's Point ..	29.11	45	NNW	5	drizzle	29.51	+.47	42	42	-6	NNW	6	rain	5	drizzle	*	49	40	0.20
	Pembroke (St. Ann's Hd.)	29.18	46	SW	7	cloudy	29.45	+.18	45	45	-2	W	6	fog	5	cloudy	2.2	49	39	0.38
	Scilly	29.36	48	NNW	8	cloudy	29.62	+.33	51	49	+1	NNW	6	0	6	cloudy, hail rain	3.0	55	46	0.13
	Prawle Point ...	29.42	49	SSW	6	0	29.61	+.17	48	47	0	W	7	cloudy	6	0 fog rain, hail	*	51	44	0.13
	Jersey (St. Aubin's)	29.50	51	SSW	6	cloudy, rain	29.74	+.15	48	47	-1	SW	6	cloudy, mist	5	drizzle, cloudy	*	52	47	0.21
	Hurst Castle ...	29.45	49	SW	5	overcast, mist	29.58	+.06	48	47	-1	SW	6	fog	4	rain	*	50	45	0.17
	Dungeness ...	29.50	48	SSW	4	rain	29.56	-.01	47	46	+1	SW	7	cloudy	6	rain, rain	*	51	44	0.18
	North Foreland	29.51	50	S	5	rain	29.56	-.01	50	48	+3	SW	5	fog rain	4	rain	*	53	45	0.32
	London (Brixton) ...	29.43	51	SW	5	rain	29.51	-.01	50	46	+1	W	6	cloudy, rain	*	cloudy, rain, fog	0.5	54	44	0.25
	Oxford	29.35	50	S	3	0	29.49	+.09	45	44	-2	SW	5	rain	*	cloudy, mist	*	54	41	0.25
	Cambridge ...	29.40	51	SW	4	fog, cloudy	29.46	-.03	43	42	-2	SW	3	rain	*	fog, rain, hail	4.2	55	41	0.24
	Yarmouth ...	29.42	47	S	4	drizzle	29.42	-.08	45	43	-1	SSW	5	cloudy	4	fog, drizzle	*	49	41	0.06
GERMANY & HOLLAND.	Cuxhaven ...	29.67	50	SW	1	fog	29.41	-.28	44	43	0	W	4	0	*	fog, rain	*	52	43	0.47
	Berlin	29.82	51	S	2	fog	29.63	-.22	48	47	+3	SSW	4	rain	*	fog	*	?	41	0.08
	Wiesbaden ...	*	*	*	*	*	29.81	-.06	51	49	+7	SW	1	0	*	*	*	55	44	0.12
	Munich	29.98	44	SW	2	fog	30.00		48	45		SW	5	cloudy	*	fog	*	55	37	0.08
	The Helder ...	29.54	50	S	4	rain	29.46	-.12	46	43	0	SW	5	fog	2	rain	*	52	45	0.20
BELGIUM.	Brussels ...	*	*	*	*	*	29.70	-.01	49	46	+2	SW	5	0	*	0	*	57	47	0.04
	Cape Gris Nez ...	29.53	50	SW	7	rain	29.60	+.01	46	46	+1	SW	6	rain	6	rain	*	52	43	0.24
	Paris	29.75	54	S	3	cloudy	29.85	+.09	50	49	+2	SSW	4	rain	*	cloudy	*	59	48	0.04
	Brest	29.55	53	SW	4	fair	29.74	+.21	47	46	-3	S	3	cloudy	4	fair	*	52	45	0.08
	Lorient	29.64	52	SSW	6	snow	29.76	+.15	52	52	+2	NNW	6	fair	5	snow	*	55	45	0.28
FRANCE &	Rochefort ...	29.73	55	NNW	5	rain	29.98	+.22	55	55	+4	SW	5	rain	*	rain	*	61	51	0.08
	Belfort	29.85	54	NNW	2	0	30.02	+.12	50	47	+5	NNW	4	0	*	0	*	59	45	0.08
	Lyons	29.92	55	S	2	cloudy	30.09	+.14	49	46	+1	SW	1	cloudy	*	cloudy	*	65	47	-
	Nice	30.01	50	NE	0	cloudy	30.08	+.13	48	45	-2	NE	0	0	1	cloudy	*	61	43	-
	Perpignan ..	30.04	54	E	1	0	30.17	+.19	48	47	-2	NE	2	fog	*	0	*	57	45	-
	Biarritz ...	29.91	67	NE	0	0	30.02	+.22	62	57	+5	S	3	0	5	0	*	70	55	-
PENINSULA.	Corunna ...																*			
	Lisbon	30.28	58	SW	4	fair	30.39	+.33	57	57	-1	SW	3	rain	*	fair	*	59	57	0.20
	Azores (P. Delgada)	29.91	62	SSW	6	fog	29.95	+.15	61	59	+8	SSW	7	fog	6	fog	*	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 1.9 hrs; Brighton 2.2 hrs; Eastbourne 2.2 hrs; Hastings 2.0 hrs, Ventnor 7.5 hrs.

WEATHER CHARTS

FOR Thursday 18th March 1897.

BAROMETER, WIND AND SEA.

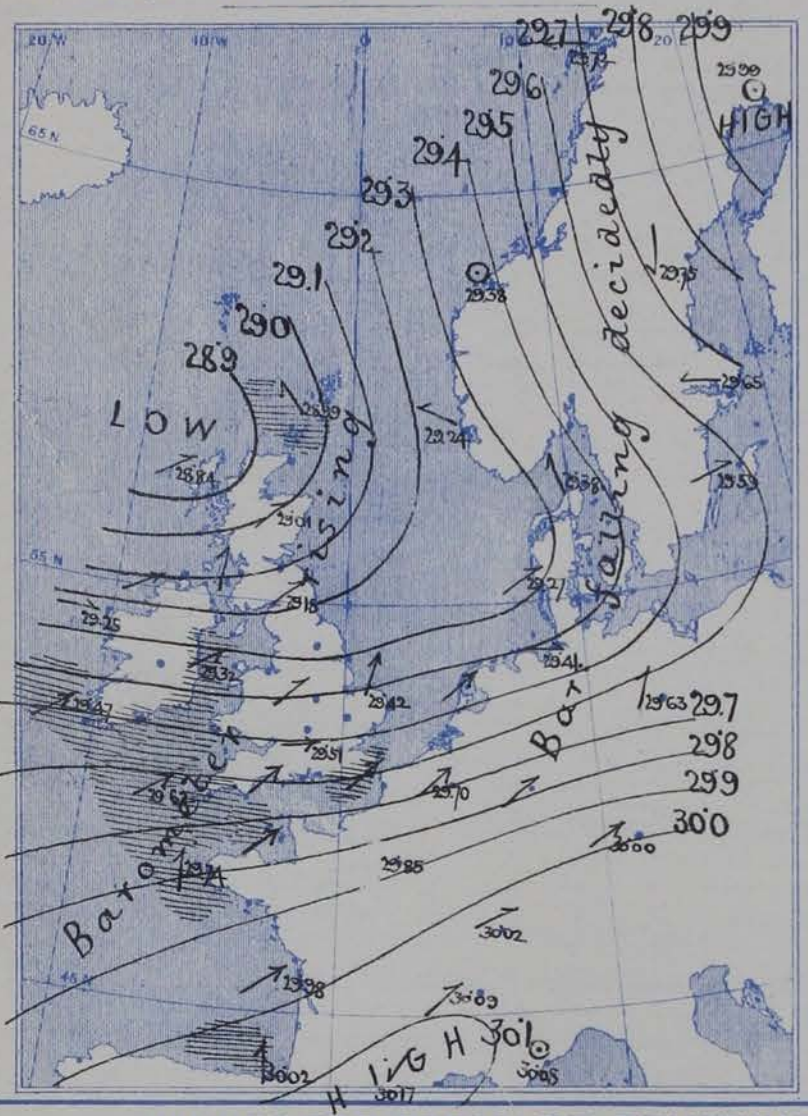
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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 MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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 in the south of Portugal; 29·9 ins: and upwards in Lapland.
Lowest, 28·9 ins: and less, in a depression lying off the north of Scotland.
Gradients moderate to rather steep over Ireland, England, and the neighbouring parts of the Continent, slight elsewhere.
Barometer rising in most parts of our Islands and France, falling in Scandinavia, Denmark and Germany.

TEMPERATURE

Highest, 62° at Biarritz, 57° at Lisbon, 55° at Rochefort, 52° at Lorient, and 51° at Scilly and Wiesbaden.
Lowest, −12° F. at Haparanda, +21° at Hernösand, 23° at Bodö, 33° at Jaeder and Karlstad, and 34° at Stockholm.
During yesterday the thermometer rose to between 50° and 55° in many parts of the United Kingdom; on our extreme northern coasts however, it did not exceed 45°.

WIND

SW' or W' over our Islands, France, Germany, and the Netherlands, and strong in force on all our southern coasts.
E' over the south of Scandinavia; calm or N' over the northern part of Sweden.

WEATHER

Very changeable over Western Europe generally, with rain or passing showers in many places, and snow at Hernösand.
Since yesterday morning rain has fallen in nearly all parts of our area, the largest amounts being 0·5 in: at Jaeder and Cuxhaven and 0·4 in: at Faro, Belmullet, Holyhead and Pembroke. Thunderstorms occurred yesterday at Loughborough and Scilly, and lightning was seen at night at several other English stations.

SEA

Rough on our western and southern coasts, as well as at Lerwick Head, rather rough in the Bay of Biscay, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north is moving away from our neighbourhood, but the general appearance is still very unsettled and it is not unlikely that fresh disturbances will shortly appear off our western coasts.

FORECASTS

For the 24 hours ending at NOON on 19th MARCH 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S'ly and SW'ly winds, light or moderate; changeable, some showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	SW'ly and W'ly winds, strong in places; squally, showery.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	W'ly to SW'ly winds, strong; fair at first, some rain later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.51	42	40	SSE	6	o	4
Sumburgh Head	29.23	44	42	SE	4	o	6
Stornoway	28.97	46	43	SW	3	o	4
Aberdeen	29.12	44	43	SSE	4	o gq	4
Shields	29.22	50	46	SSW	3	p	3
Ardrossan	28.97	45	45	E	4	r	3
Malin Head ...	28.75	45	45	S	6	r	2
Belmullet	28.83	49	47	SW	5	bc	*
Holyhead	29.12	49	48	SSW	7	cqpr	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	28.99	50	45	SW	7	c	5
Scilly	29.36	54	52	SSW	6	c	5
Jersey	29.56	51	51	S	5	o	4
Hurst Castle ...	29.45	50	49	SSW	6	rq	3
Dungeness ...	29.55	48	48	SSW	5	r	4
North Foreland	29.57	50	49	S	6	r	4
London (Westminster)	29.47	52	49	SSW	3	or	#
Yarmouth ...	29.49	47	46	SSE	4	bc	4
Rochefort ...							#

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

Weather in morning fine in the north and east of our Islands, but cloudy in the west and south, with rain or passing showers in many places. Cloudy or dull over the greater part of the Continent with fog in Sweden, and rain at several of the central and southern stations; snow falling over the Gulf of Finland as well as at Yarder. Fine in the extreme northern parts of Russia and Scandinavia, as well as over the Netherlands and some parts of northern Italy. Rain falling later over Western Europe generally, thunder and lightning occurring at several English stations.

Temperature rises in most countries. Morning readings highest 61° at Palma, 60° at Barcelona, 59° at Algiers, and 58° at Lisbon and San Fernando; above 50° at the Mediterranean and Adriatic stations generally, and also in the extreme southwest of our Islands. Lowest -7° F. at Haparanda, +1° at Archangel, 6° at Ukraby and 7° at Kuopio; below the freezing point in most parts of Sweden and Russia. Rising during day to between 50° and 55° in many parts of the United Kingdom, exceeding 60° in the south of France and reaching 70° at Biarritz.

Wind S. over Western Europe generally, and strong in force on our own western coasts; SE. or E. in the west of Norway. Calm in Sweden, light from the S.W. over Russia and Germany, variable in Italy, SW. at most of the Spanish stations. Subsequently veering to the SW. over England, Ireland, and France, and increasing to a gale at some of the Channel stations.

Barometer highest 30.5 ins. and upwards in the south of Russia, 30.0 ins. and upwards in an anticyclone covering nearly the whole of Russia and southeastern Europe and also in another system over Algeria and the southern part of Spain. Lowest 28.9 ins. and less, in a depression lying off the west of Ireland; 29.7 ins. and less, in a smaller disturbance near Malta. Depression in west subsequently moving northwards and barometer rising again on our southwest 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.

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.
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DAILY WEATHER REPORT

for 8 a.m. on Friday, 19th March, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
SCANDINAVIA.	Haparanda ...	29·82	17	SW	4	0	29·70	-·29	17	17	+29	E	4	S	4	0	*	21	-22	0·20
	Hernösand ...	29·56	28	N	2	S	29·50	-·25	23	22	+2	N	4	0	*	S	*	28	14	0·24
	Stockholm ...	29·85	33	NE	0	fg	29·28	-·37	34	33	0	NE	0	0	*	rdr	*	36	30	0·20
	Wisby	29·86	35	SE	4	r	29·33	-·26	38	37	+3	SSW	4	c	*	r	*	43	28	0·12
	Karlstad ...	29·30	34	ENE	4	r	29·32	-·25	34	33	+1	N	2	S	*	r	*	*	*	0·16
	Bodö	29·56	23	E	1	b	29·50	-·22	27	24	+4	E	6	0	2	b	*	27	19	-
	Christiansund ...	29·27	39	ESE	2	b	29·28	-·10	35	34	-3	NE	0	c	2	b	*	43	34	-
	Skudesnaes ...	29·24	40	SE	2	0	29·27	+·03	39	39	-2	S	4	fg	3	r, 0	*	43	36	*
	Færder (Christiania Fjord)	29·24	34	NNE	2	r	29·33	-·13	34	33	+1	NNW	1	r	2	r	*	36	33	0·71
	Skagen (The Scaw)	29·25	38	NNW	1	r	29·35	-·03	36	36	0	NW	1	0	0	r	*	39	36	0·47
	Fanö	29·40	40	WSW	6	c	29·45	+·18	40	39	-1	WSW	6	c	*	c	*	45	39	0·20
BRITISH ISLANDS.	Sumburgh Head	29·09	43	ESE	3	0	29·05	+·06	43	42	0	W	1	0	4	0	*	44	41	0·10
	Stornoway ...	29·13	47	N	4	0	29·22	+·38	41	40	-1	N	3	0	3	qlp, 0	0·5	47	38	0·90
	Wick	29·11	44	SW	4	c	29·12	+·21	43	43	-1	SW	5	0 rsp	4	c	*	48	40	0·12
	Nairn	29·16	47	W	3	c	29·22	+·31	43	42	-1	W	2	c	1	c	*	53	38	0·09
	Aberdeen ...	29·24	48	SW	2	bc	29·25	+·24	44	39	+2	SW	3	c	2	bc	2·1	53	39	0·01
	Leith	29·34	46	W	3	bc	29·39	+·33	41	40	-3	W	5	bc	*	bc	*	51	40	0·05
	Shields	29·40	50	WSW	4	b	29·45	+·27	45	43	-1	WSW	5	bcp	2	p c, b	*	51	41	0·03
	Spurn Head ...	29·57	47	WSW	5	bc	29·53	+·26	46	44	+1	W	6	c	5	tl, bc	*	49	42	0·01
	York	29·56	50	WSW	2	b	29·57	+·31	46	43	+2	W	4	bc	*	c, b	2·0	51	42	-
	Loughborough ...	29·68	49	SW	6	c	29·72	+·33	46	43	+2	WSW	5	bqlv	*	cq, bcq	*	53	44	-
	Ardrossan ...	29·39	48	WSW	4	b	29·46	+·36	45	43	+2	SW	5	bc	4	0, b	*	49	41	0·05
	Malin Head ...	29·35	47	WSW	6	cm	29·48	+·42	43	41	-1	W	6	cqr	3	c, cm	*	49	40	0·06
	Belmullet ...	29·51	48	SW	6	op	29·71	+·46	47	45	0	WSW	7	b	*	bc, op	*	51	39	0·25
	Donaghadee ...	29·48	49	WSW	7	bc	29·60	+·42	42	41	-1	W	7	bc	5	bc, r	*	53	40	0·18
	Liverpool (Bidston)	29·62	48	WSW	5	c	29·65	+·36	48	42	+3	WSW	7	bc	6	c	*	51	43	-
	Holyhead ...	29·64	48	SW	4	c	29·72	+·40	47	45	+3	WSW	5	bc	4	p, bc, cm	*	52	43	0·01
	Parsonstown ...	29·61	50	W	1	0	29·79	+·44	47	46	+5	W	2	b	*	cp, b	5·2	53	41	0·02
	Valencia ...	29·61	51	S	4	ogm	29·93	+·46	50	46	+1	WSW	5	bcm	5	c, ogm	2·4	53	47	0·01
	Roche's Point ..	29·70	50	WSW	5	c	29·92	+·41	49	46	+7	W	5	b	4	b, cqr	*	53	42	0·10
	Pembroke (St. Ann's Hd.)	29·77	47	W	5	c	29·87	+·42	47	46	+2	W	6	b	5	c	5·2	48	37	0·04
	Scilly	29·88	51	SSW	4	0	30·01	+·39	50	49	-1	W	3	c	6	c, f	6·7	54	47	0·03
	Prawle Point ...	30·02	48	SW	5	c	29·99	+·38	47	46	-1	WNW	4	c	4	c, fr	*	52	45	0·01
	Jersey (St. Aubin's)	30·01	52	WSW	5	bm	30·05	+·31	51	51	+3	W	5	opm	5	b, bm	*	55	47	0·04
	Hurst Castle ...	29·87	48	SW	4	cm	29·92	+·34	50	47	+2	W	4	c	3	qlp, cm	*	55	47	-
	Dungeness ...	29·81	50	W	5	c	29·75	+·19	47	47	0	WSW	6	c	4	cql	*	54	47	0·01
	North Foreland	29·77	49	W	6	c	29·78	+·22	53	52	+3	W	5	bcqf	4	tlrh, c	*	54	44	0·16
	London (Brixton) ...	29·81	49	W	5	b	29·81	+·30	52	47	+2	W	4	b	*	cqlp, bbc	3·9	54	45	0·27
	Oxford	29·85	47	SW	3	0	29·81	+·32	49	44	+4	W	3	b	*	cqlp	*	53	44	0·06
	Cambridge ...	29·76	49	W	4	bc	29·74	+·28	50	47	+7	WNW	3	b	*	bcqlp	4·6	53	42	0·01
	Yarmouth ...	29·64	48	WNW	5	bc	29·59	+·17	49	44	+4	WNW	6	bcqf	4	cql, bc	*	51	43	0·01
GERMANY & HOLLAND.	Cuxhaven ...	29·39	45	SW	2	r	29·56	+·15	42	42	-2	SW	4	c	*	r	*	46	41	0·08
	Berlin	29·47	48	W	4	r	29·73	+·10	45	42	-3	NW	4	b	*	r	*	55	41	0·55
	Wiesbaden ...	*	*	*	*	*	29·93	+·12	46	44	-5	SW	2	c	*	*	*	55	45	0·24
	Munich	29·89	50	W	6	c	30·10	+·10	43	41	-5	SW	4	0	*	c	*	57	37	0·04
	The Helder ...	29·61	44	WSW	4	b	29·54	+·08	45	44	-1	SW	5	0	4	b	*	46	43	0·12
BELGIUM.	Brussels ...	*	*	*	*	*	29·78	+·08	50	48	+1	WSW	6	0	*	c	*	55	44	0·04
	Cape Gris Nez ...	29·81	47	WSW	5	c	29·76	+·16	48	46	+2	W	6	0	6	c	*	50	43	-
	Paris	30·01	54	W	3	b	30·00	+·15	52	52	+2	SSW	3	r	*	b	*	63	46	0·32
	Brest	30·00	50	SSW	2	c	30·08	+·34	51	51	+4	SW	2	fg	4	c	*	52	45	0·08
	Lorient	30·09	50	W	4	c	30·12	+·36	52	52	0	W	5	fg	5	c	*	55	45	0·20
FRANCE &	Rochefort ...	30·12	54	W	5	0	30·26	+·28	54	54	-1	SW	5	0	*	0	*	57	52	0·12
	Belfort	29·97	53	WSW	6	0	30·09	+·07	48	47	-2	WSW	5	0	*	0	*	54	46	-
	Lyons	30·14	53	S	1	r	30·23	+·14	51	50	+2	S	2	r	*	r	*	57	49	0·24
	Nice	30·05	51	E	0	bc	30·14	+·06	46	46	-2	E	1	b	1	bc	*	59	45	-
	Perpignan ...	30·21	65	W	3	c	30·30	+·13	63	58	+15	NW	4	b	*	c	*	73	48	-
	Biarritz ...																*			
PENINSULA.	Corunna ...																*			
	Lisbon	30·43	61	NW	2	bc	30·41	+·02	56	54	-1	NNW	4	f	*	bc	*	64	52	-
	Azores (P. Delgada)	30·00	61	S	5	0	29·90	-·05	61	58	0	S	8	bc	7	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 6.5 hrs; Brighton 8.1 hrs; Eastbourne 7.7 hrs; Hastings 7.7 hrs; Ventnor 7.6 hrs.

WEATHER CHARTS

FOR Friday, 19th March, 1897.

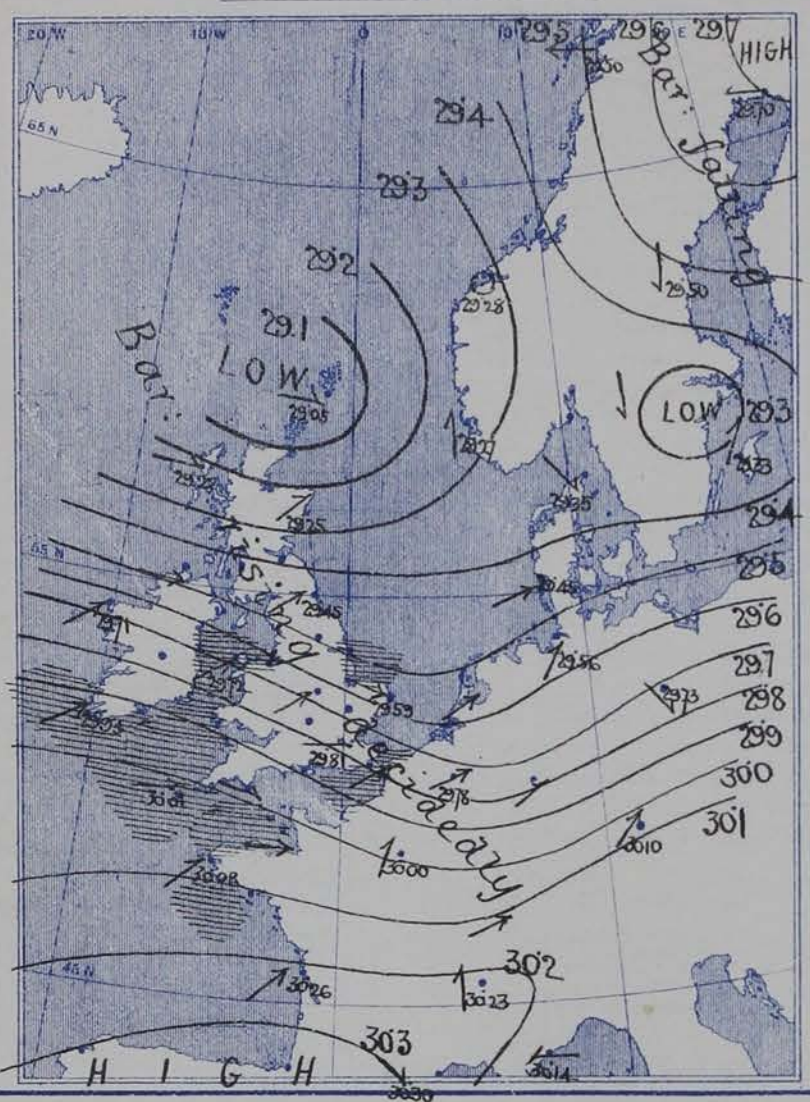
BAROMETER, WIND AND SEA.

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

WIND—Arrows shew 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 MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 · 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 · 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* 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 30·2 in: over the Spanish Peninsula and the southwest of France.
Lowest, Below 29·1 in: in a depression off the north of Scotland, and below 29·3 in another near Stockholm.
Gradients steep generally but more particularly so over the north of Ireland and the northern and southeastern parts of England.
Barometer rising generally, most on our southwest coasts. A shallow secondary depression has passed across England from the westward during the night.

TEMPERATURE

Highest, 63° at Perpignan, 56° at Lisbon, 54° at Rochefort, 52° in London and at Paris.
Lowest, 17° to 27° over the northern parts of Scandinavia, 41° at Stornoway, and 42° at Donaghadee.
Maxima of 54° to 50° were recorded yesterday in many parts of Ireland and England, 63° at Paris, 73° at Perpignan.

WIND

W. strong to moderate over the British Islands generally, SW over the Netherlands, very variable over Scandinavia.
It blew with the force of a moderate gale from SW. over the southern half of our Islands and the English Channel during the night.

WEATHER

Fair generally over our Islands, and in many places very bright, but not settled.
Rain has again fallen generally: at Stornoway and also at Perth the fall has been large, elsewhere it is moderate. Halos were seen over our southern and eastern districts last evening, thunder and lightning occurred over the northeast and east of England yesterday morning.
Bright Sunshine yesterday varied from 7 to 8 hours along our southern coasts, but was much slighter in the north.

SEA

Rough in the Channel, moderate elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The westerly breeze will probably become moderate generally during the day with drier weather — but apparently this will not be a permanent change.

FORECASTS

For the 24 hours ending at NOON on 20TH MARCH, 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W. and SW. winds, moderate; some showers.	6 SCOTLAND WEST	Same as Nos 0 and 1
1 SCOTLAND EAST		☍ 7 ENGLAND N.W.	SW. and W. winds, moderate; passing showers. Cooler.
2 ENGLAND N.E.	W. and SW. winds, strong to moderate, with passing showers.	☍ 8 ENGLAND S.W.	
3 ENGLAND EAST		☍ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		☍ 10 IRELAND SOUTH	
☍ 5 ENGLAND SOUTH		WARNINGS	The SOUTH CONE was hoisted last evening in districts 5 and 7 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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·16	42	40	ESE	4	r	3
Sumburgh Head	29·03	43	43	SE	3	o	6
Stornoway	29·04	47	46	W	4	o	5
Aberdeen	29·12	50	45	WSW	3	bc	3
Shields	29·29	48	45	WSW	4	c	2
Ardrossan	29·31	48	46	WSW	4	o	3
Malin Head ...	29·25	49	45	WSW	6	cvr	3
Belmullet	29·45	50	47	WSW	6	bc	*
Holyhead	29·55	52	48	WSW	5	bcp	4
Valencia	29·65	52	49	SSW	4	o gm	6
Scilly	29·83	54	52	WSW	4	2	6
Jersey	29·91	55	52	W	5	b	5
Hurst Castle ...	29·74	54	49	W	6	c	4
Dungeness ...	29·63	50	47	WSW	7	cq	6
North Foreland	29·61	54	49	W	6	c	5
London (Westminster)	29·62	53	49	W	5	cq	*
Yarmouth ...	29·46	48	44	NNW	5	cq	4
Rochefort ...	30·03	56	56	W	5	o	*

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

Weather in morning fine generally over the southern parts of Europe and also over the northern parts of Russia and Scandinavia; rough, squally and unsettled over the northwestern countries, including the British Islands. Rain falling later over nearly the whole of the last named district, thunder and lightning occurring in the northeast and east of England, and lunar halos seen in the south at night.

Temperature rising over Central Europe, changing little and irregularly elsewhere. Morning readings highest 68° to 60° at some stations on the southern side of the Mediterranean, 62° at Biarritz, 51° at Wiesbaden and Scilly, 50° in London, 49° at Valencia (Ireland). Lowest, -12° F. at Haparanda, -4° at Archangel, -2° at Kuopio, +21° at Stockholm, 23° at Bodö, 22° at St. Petersburg and Kharkov, and 28° at Moscow. Rising later to between 50° and 55° over many parts of the British Islands, to 57° at Munich, 63° at Paris and 73° at Perpignan.

Wind very light and variable over southern and eastern Europe, and mainly anticyclonic; cyclonic over the northwestern countries, and moderate to strong in force — W[3] over our western districts, SW[3] in the east and over Holland, S[3] over Germany, and SE[1] to E[1] over Norway. Increasing later to a moderate gale from SW. and W. over England, Ireland, and the northern parts of France, but remaining moderate in Scotland.

Barometer highest (1) 30·3 in: and more over the southwest of Spain, 30·2 in: and more over the south of Russia, and exceeding 30·0 in: over southern and southeastern Europe generally; (2) Exceeding 30·0 in: over Finland. Lowest below 28·9 in: over the Hebrides and northwest of Scotland, and below 29·3 in: in a secondary disturbance over the North Sea. Barometer falling over the northern countries, rising in the southwest. Another secondary system advancing over Ireland and England later from the westward.

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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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 20th March, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.58	18	NE	4	c	29.58	-.12	12	11	-5	NE	2	bc	*	c	*	25	12	-
	Hernösand ...	29.80	23	N	2	0	29.52	+.02	24	23	+1	N	4	S	*	0	*	28	21	-
	Stockholm ...	29.15	32	E	4	0	29.40	+.12	27	26	-7	N	4	S	*	0	*	36	27	-
	Wisby	29.08	33	W	4	s	29.29	-.04	33	33	-5	NNE	6	S	*	s	*	38	28	0.32
	Karlstad ...	29.28	30	NNE	2	0	29.52	+.20	30	27	-4	NNE	2	0	*	0	*	*	*	-
	Bodö	29.48	24	E	6	0	29.63	+.13	23	21	-4	ENE	2	8	1	0	*	27	21	-
	Christiansund ...	29.37	39	ESE	2	0	29.78	+.50	35	33	0	NE	4	c	3	0	*	41	34	-
	Skudesnaes ...	29.29	39	S	2	0	29.62	+.35	39	36	0	N	6	c	2	0	*	41	34	*
	Færder (Christiania Fjord)	29.28	33	N	1	r	29.57	+.24	33	32	-1	NW	1	b	2	r	*	34	32	0.08
	Skagen (The Scaw)	29.30	34	NNE	1	m	29.57	+.22	33	31	-3	N	3	b	0	m	*	39	32	-
	Fanö	29.35	39	W	6	c	29.60	+.15	37	36	-3	NW	4	c	*	r.c	*	41	34	0.67
	Sumburgh Head	29.33	43	NNE	2	c	29.95	+.90	38	35	-5	N	3	c	4	c	*	47	36	0.02
	Stornoway ...	29.62	45	N	4	0	30.02	+.80	39	38	-2	E	2	0	2	pq,r,0	4.7	48	31	0.15
	Wick	29.49	41	NW	6	0	30.00	+.88	40	39	-3	N	2	bc	2	0	*	45	38	0.05
	Nairn	29.55	45	W	3	e	30.03	+.81	40	39	-3	ENE	1	0	1	c	*	49	36	0.02
	Aberdeen ...	29.46	44	W	4	cqp	30.01	+.76	41	38	-3	NW	3	c	2	bcq.cqp	5.2	51	39	0.04
	Leith	29.57	44	WNW	4	b	30.03	+.64	41	39	0	W	1	bcm	*	b	*	50	37	0.02
	Shields	29.60	47	WSW	4	b	30.04	+.59	44	41	-1	N	3	c	2	cp.b	*	51	38	-
	Spurn Head ...	29.70	46	W	4	b	30.02	+.49	44	42	-2	NW	3	c	3	b	*	49	42	-
	York	29.72	47	W	5	b	30.03	+.46	45	43	-1	W	1	0	*	b	8.0	51	42	-
	Loughborough ...	29.85	49	NNW	3	bc	30.08	+.36	45	43	-1	WNW	2	cm	*	cq,bc,c	*	55	43	-
British Islands	Ardrossan ...	29.65	48	W	4	cqp	30.02	+.56	40	39	-5	ENE	1	cm	1	cqp	*	50	34	-
	Malin Head ...	29.73	47	W	6	oqr	29.99	+.51	44	43	+1	ESE	3	0	2	o.oqr	*	48	41	0.04
	Belmullet ...	29.97	49	W	5	0	29.94	+.23	47	46	0	?SSE	3	cm	*	bo	*	51	42	-
	Donaghadee ...	29.79	48	W	4	bcqp	30.04	+.44	45	44	+3	W	4	0	3	bcqp	*	54	40	0.04
	Liverpool (Bidston)	29.84	47	WSW	6	b	30.08	+.43	46	43	-2	WSW	3	0	2	b	*	50	43	-
	Holyhead ...	29.90	47	WSW	4	bc	30.07	+.35	47	45	0	WSW	3	cm	2	bc	*	52	43	-
	Parsonstown ...	29.96	49	W	1	c	30.01	+.22	47	46	0	SE	1	oq	*	bcp,b	6.7	53	44	0.01
	Valencia ...	30.04	51	WSW	3	0	29.98	+.05	52	51	+2	S	3	cm	4	cm.o	5.2	53	47	0.02
	Roche's Point ..	30.03	52	WNW	4	c	30.06	+.14	50	49	+1	SW	1	c	4	c.f	*	56	49	-
	Pembroke (St. Ann's Hd.)	29.99	47	W	5	c	30.11	+.24	47	46	0	SE	3	0	3	b,c	8.8	49	46	0.01
	Scilly	30.10	51	WSW	3	c	30.14	+.13	50	50	0	SSW	3	f	4	c	4.4	55	48	-
	Prawle Point ...	30.08	48	W	4	c	30.18	+.19	48	48	+1	SW	2	f	2	c.rm	*	51	45	0.03
	Jersey (St. Aubin's)	30.12	51	W	5	bc	30.22	+.17	50	50	-1	WSW	4	f	3	c.pf	*	54	48	0.07
	Hurst Castle ...	30.00	52	W	4	b	30.15	+.23	47	46	-3	W	3	cm	2	bc,b	*	53	46	-
	Dungeness ...	29.88	48	WSW	7	c	30.10	+.35	48	46	+1	WSW	3	b	2	bc,c	*	56	43	-
	North Foreland	29.86	53	W	6	c	30.10	+.32	47	45	-.6	W	4	c	3	bc,c	*	56	43	-
	London (Brixton) ...	29.91	51	NW	2	bc	30.12	+.31	48	44	-4	NNW	2	b	*	c,b	8.5	58	44	-
	Oxford	29.97	47	W	2	b	30.14	+.33	45	42	-4	W	3	b	*	bq	*	58	42	-
	Cambridge ...	29.86	51	W	5	c	30.10	+.36	46	43	-4	W	2	bc	*	bcq	9.2	58	39	-
	Yarmouth ...	29.74	49	NNW	5	bcq	30.00	+.41	46	44	-3	NW	4	bc	4	cq,bcq	*	54	40	-
Germany & Holland	Cuxhaven ...	29.38	42	NNW	8	bc	29.63	+.07	40	?	-2	NW	4	0	*	bc	*	46	39	0.24
	Berlin	29.34	44	W	7	0	29.52	-.21	42	41	-3	W	6	r	*	0	*	52	41	0.16
	Wiesbaden ...	*	*	*	*	*	29.93	-.00	45	42	-1	NW	4	bc	*	*	*	57	41	0.32
	Munich... ..	29.86	48	SW	5	0	29.97	-.13	40	37	-3	W	7	b	*	0	*	52	36	0.16
	The Helder ...	29.66	45	W	8	b	29.91	+.37	43	41	-2	WNW	6	0	3	b	*	46	43	-
Belgium.	Brussels ...	*	*	*	*	*	30.06	+.28	44	41	-6	W	3	0	*	c	*	56	42	-
	Cape Gris Nez...	29.87	47	WNW	5	bc	30.05	+.29	46	44	-2	W	5	c	5	bc	*	50	43	-
	Paris	30.07	57	W	3	bc	30.14	+.14	46	44	-6	WSW	3	bc	*	bc	*	64	45	0.04
	Brest	30.16	51	WSW	2	f	30.24	+.16	51	50	0	WSW	1	m	4	f	*	52	46	0.12
	Lorient... ...	30.20	51	WNW	5	f	30.27	+.15	50	50	-2	WNW	3	f	4	f	*	54	45	0.08
France &	Rochefort ...	30.28	54	WNW	5	m	30.30	+.04	52	52	-2	WNW	2	f	*	m	*	59	50	-
	Belfort	30.01	51	W	6	r	30.12	+.03	43	40	-5	W	3	o	*	r	*	52	42	0.43
	Lyons	30.19	57	W	1	r	30.25	+.02	48	47	-3	N	2	r	*	r	*	62	45	0.28
	Nice	29.97	53	SW	2	c	29.84	-.30	47	47	+1	NE	0	f	1	c	*	64	45	-
	Perpignan ...	30.26	65	NW	4	bc	30.22	-.08	59	51	-4	NW	3	bq	*	bc	*	71	57	-
	Biarritz ...	30.34	62	WSW	3	0	30.32		54	50		S	3	b	4	0	*	64	52	-
Peninsula	Corunna ...																*			
	Lisbon	30.32	68	N	3	bc	30.32	-.09	61	59	+5	NNE	4	b	*	bc	*	72	56	-
	Azores (P. Delgada)	29.97	59	SW	4	c	30.01	+.11	59	58	-2	S	4	0	6	c	*	64	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 7.5 hrs; Brighton 8.5 hrs; Eastbourne 8.2 hrs; Hastings 9.0 hrs; Ventnor 8.5 hrs.

WEATHER CHARTS

FOR ..... Saturday, 20th March, 1897.

BAROMETER, WIND AND SEA.

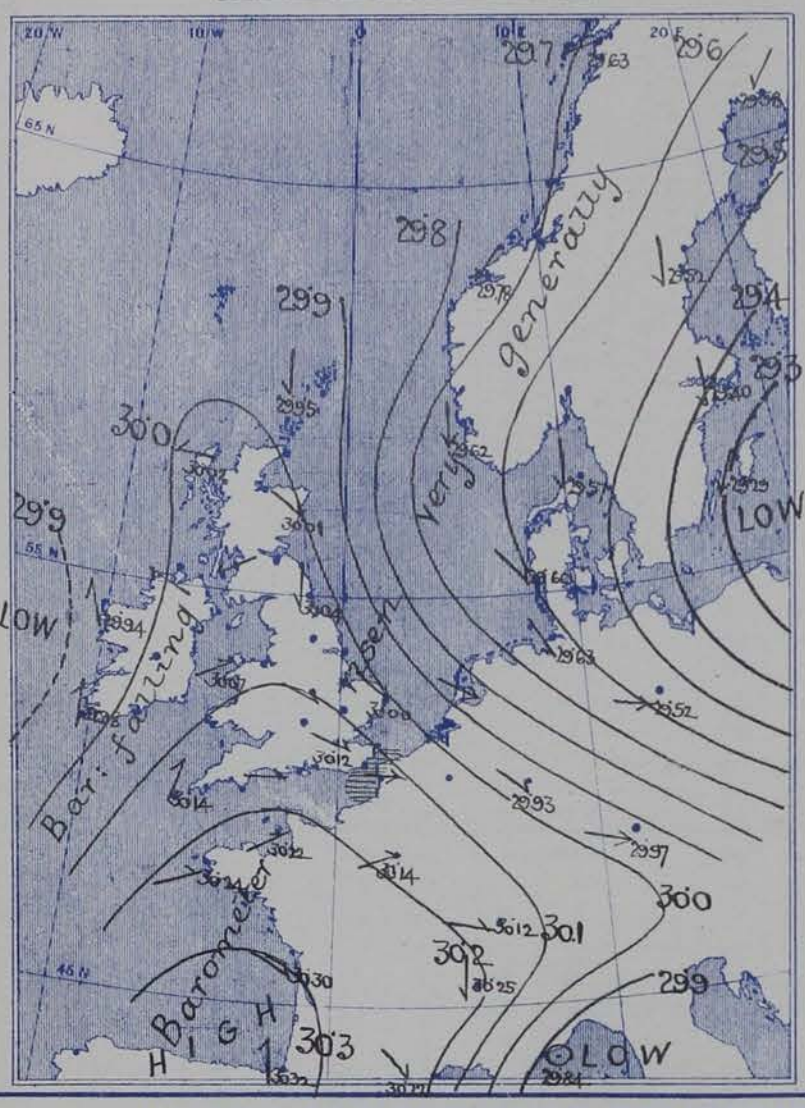
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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 MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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 more to 30·2 ins: in an anticyclone lying over the Bay of Biscay, and spreading 30·0 ins: in a ridge stretching northwards all over Great Britain.

Lowest, Below 29·3 ins: and less, over the Baltic, and below 30·0 ins: over the west of Ireland.

Gradients slight over our Islands, but shows some tendency to increase (for S^rly winds in the west).

Barometer, after rising generally, especially in the north of Scotland, is beginning to fall again in the far west.

TEMPERATURE

Highest, 61° at Lisbon, 59° at Perpignan, 52° to 50° on the west coast of France and the southeastern coasts of our Islands.

Lowest, 12° to 24° at the stations in Lapland and on the northern parts of the Swedish coast; 38° to 41° at the Scotch stations.

Maxima of 58° to 55° were recorded yesterday in many parts of England and Ireland, 64° at Paris and Nice, 71° at Perpignan.

WIND

(1) N^ly to NW^ly at the eastern stations – light on our own coasts, strong at Skudesnaes and the Helder.

(2) SW^ly to S^rly on our western coasts, but of little strength.

(3) Light W^ly over Central England.

WEATHER

Foggy over the Bay of Biscay and the western part of the Channel, fair as a whole over our Islands, but cloudy in many places.

Only local showers were experienced over Ireland and England yesterday

Bright Sunshine recorded yesterday exceeded 9 hours at Cambridge, and 8 hours at many of our southern stations.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fair weather is likely to continue over England and France during the ensuing twenty-four hours, and the appearance is quieter than of late.

FORECASTS

For the 24 hours ending at NOON on 21st MARCH 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Calms and S^rly breezes; fair, but possibly showery later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NW^ly to SW^ly breezes, light; fair, hazy or foggy in places at night.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SW^ly and S^rly winds, freshening a little; cloudy, some rain later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·19	41	40	SSE	4	o	3	Valencia	30·02	52	49	nSw	4	em	5
Sumburgh Head	29·14	46	44	nE	2	c	4	Scilly	30·07	54	52	nSw	3	c	5
Stornoway	29·37	46	44	nw	5	r	6	Jersey	30·10	53	52	nSw	5	c	5
Aberdeen	29·26	46	40	nSw	6	bcqu	3	Hurst Castle ...	29·96	51	49	Sw	5	bc	3
Shields	29·50	48	44	nSw	7	cp	2	Dungeness ...	29·85	51	48	nSw	7	bc	6
Ardrossan	29·57	50	47	w	8	bcqp	5	North Foreland	29·84	56	50	w	6	be	5
Malin Head ...	29·64	47	45	w	5	o	3	London (Westminster)	29·87	58	50	w	5	c	*
Belmullet	29·84	51	48	?	6	b	*	Yarmouth ...	29·69	51	45	nnw	5	cq	4
Holyhead	29·85	51	48	nSw	6	bc	5	Rochefort ...	30·20	57	57	nnw	5	m	*

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

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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DAILY WEATHER REPORT

for 8 a.m. on Sunday 21st March, 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.62	15	N	4	b	29.74	+ .16	10	9	— 2	N	4	c	#	b	#	21	5	—
	Hernösand ...	29.65	22	NW	4	b	29.81	+ .29	17	15	— 7	N	4	b	#	b	#	32	?	—
	Stockholm ...	29.62	28	W	2	b	29.81	+ .41	19	17	— 8	NNW	6	b	#	b	#	32	25	0.04
	Wisby	29.69	32	N	6	o	29.81	+ .52	27	24	— 6	N	8	bc	#	o	#	34	27	—
	Karlstad ...	29.79	31	NNW	4	b	29.96	+ .44	26	23	— 4	NNW	4	b	#	b	#	#	#	—
	Bodö	29.88	21	ENE	4	b	29.97	+ .34	19	17	— 4	E	2	b	1	b	#	27	14	—
	Christiansund ...	29.96	34	NSW	1	o	30.06	+ .28	33	30	— 2	E	o	s	3	o	#	37	30	0.04
	Skudesnaes ...	29.99	38	N	1	o	30.01	+ .39	35	32	— 4	E	2	o	1	bc	#	41	30	#
	Færder (Christiania Fjord)	29.84	36	NNW	2	b	30.02	+ .45	30	27	— 3	NW	2	b	2	b	#	37	30	—
	Skagen (The Scaw)	29.88	36	N	1	o	30.04	+ .47	35	33	+ 2	N	1	b	0	o	#	39	32	—
	Fanö	29.92	36	WNW	4	b	30.02	+ .42	37	36	0	E	o	c	#	b	#	41	36	—
	Sumburgh Head	30.05	39	N	1	c	29.90	— .05	37	36	— 1	SE	3	osp	4	bc, c	#	43	34	0.09
	Stornoway ...	29.93	42	SSE	4	r	29.80	— .22	46	46	+ 7	SW	3	o	5	o, r	0.0	47	37	0.21
	Wick	29.99	41	NE	3	bc	29.80	— .20	46	46	+ 7	N	2	bc	2	bc	#	46	38	0.20
	Nairn	29.97	43	E	2	o	29.84	— .19	47	45	+ 7	SW	1	b	1	o	#	47	36	0.17
	Aberdeen ...	30.05	40	SE	2	og	29.89	— .12	44	42	+ 3	W	2	bc	1	og	0.4	45	37	0.09
British Islands.	Leith	30.01	41	ENE	1	o	29.96	— .07	43	43	+ 2	E	o	cm	#	o	#	50	39	0.04
	Shields	30.00	42	ENE	2	o	29.96	— .08	48	48	+ 4	WSW	3	c	2	o, r	#	48	40	0.03
	Spurn Head ...	30.08	42	ESE	2	ogv	29.99	— .03	47	46	+ 3	WSW	3	cm	3	ogv, r	#	47	42	—
	York	30.07	47	E	1	o	30.02	— .01	50	49	+ 5	W	1	o	#	o	0.5	50	43	0.01
	Loughborough ...	30.08	52	S	1	o	30.07	— .01	50	48	+ 5	W	2	c	#	cm, o, c	#	55	45	—
	Ardrossan ...	29.95	45	SE	1	rm	29.95	— .07	47	47	+ 7	E	o	op	0	rm	#	47	36	0.16
	Malin Head ...	29.83	49	S	4	opm	29.90	— .09	48	47	+ 4	S	4	ogm	2	opm	#	49	43	0.06
	Belmullet ...	29.90	50	SW	4	o	29.98	+ .04	49	48	+ 2	SSW	3	o	#	o	#	51	43	0.11
	Donaghadee ...	29.97	46	SSW	4	r	29.99	— .05	49	48	+ 4	WSW	3	o	1	r	#	49	43	0.03
	Liverpool (Bidston)	30.05	48	S	1	o	30.06	— .02	49	48	+ 3	WSW	2	o	1	o, p	#	52	46	0.01
	Holyhead ...	30.02	47	S	4	fdp	30.05	— .02	46	46	— 1	S	2	f	1	g fdp	#	50	44	—
	Parsonstown ...	29.96	53	SW	1	r	30.01	.00	47	46	0	SE	1	b	#	c, r, dg	0.0	57	44	0.02
	Valencia ...	30.01	50	SW	2	f	30.01	+ .03	50	49	— 2	SSE	2	bc	3	cgm, f	0.1	55	47	0.02
	Roche's Point ...	30.04	50	SSW	4	f	30.05	— .01	48	48	— 2	SSW	3	f	4	f	#	51	47	—
	Pembroke (St. Ann's Hd.)	30.08	47	W	3	f	30.08	— .03	47	47	0	W	3	f	3	f	0.0	50	47	0.06
	Scilly	30.12	51	SSW	3	f	30.12	— .02	51	50	+ 1	SSW	2	f	4	mf	0.0	54	47	—
	Prawle Point ...	30.14	47	SW	3	f	30.14	— .04	47	47	— 1	WSW	3	fa	2	o, fd	#	50	45	0.08
	Jersey (St. Aubin's)	30.23	53	W	3	of	30.17	— .05	50	50	0	WSW	3	f	3	of	#	54	43	0.02
	Hurst Castle ...	30.15	48	SW	3	f	? 30.13	— .02	47	47	0	SW	3	am	2	am, f	#	51	46	—
	Dungeness ...	30.15	47	WSW	3	c	30.10	.00	47	47	— 1	WSW	3	f	2	c, t	#	54	44	0.01
	North Foreland	30.17	46	SE	2	o	30.07	— .03	50	49	+ 3	W	3	o	2	o	#	54	44	—
	London (Brixton) ...	30.12	54	SW	2	o	30.11	— .01	50	48	+ 2	W	2	o	#	b, c, op	0.6	57	47	—
	Oxford	30.01	51	SW	2	o	30.11	— .03	50	49	+ 5	WSW	2	o	#	b, od	#	55	45	—
	Cambridge ...	30.12	52	WSW	1	og	30.07	— .03	52	51	+ 6	W	2	o	#	og	2.6	56	45	—
	Yarmouth ...	30.12	46	SSE	3	c	30.02	+ .02	50	49	+ 4	W	3	c	3	bc, c	#	50	41	—
Germany & Holland.	Cuxhaven ...	29.94	41	NW	5	bc	30.06	+ .43	39	39	— 1	WNW	1	c	#	bc	#	43	37	—
	Berlin	29.90	41	W	4	r	30.04	+ .52	38	34	— 4	WNW	4	o	#	r	#	45	36	0.08
	Wiesbaden ...	#	#	#	#	#									#	#	#			
	Munich	30.16	42	W	5	c	30.22	+ .25	43	40	+ 3	SW	4	o	#	c	#	45	37	0.04
	The Helder ...	30.12	42	WNW	2	c	30.04	+ .13	43	42	0	SSW	1	o	1	c	#	45	41	—
France & Belgium.	Brussels ...	#	#	#	#	#	30.14	+ .08	46	46	+ 2	SW	2	o	#	o	#	50	41	—
	Cape Gris Nez ...																#			
	Paris	30.22	56	WNW	2	o	30.24	+ .10	51	50	+ 5	SW	1	o	#	o	#	60	46	—
	Brest	30.23	51	WSW	1	c	30.20	— .04	48	48	— 3	WSW	1	m	3	c	#	52	45	—
	Lorient	30.25	51	SSW	2	bc	30.20	— .07	51	51	+ 1	W	3	m	3	bc	#	57	43	—
	Rochefort ...	30.24	55	WSW	2	f	30.30	.00	47	47	— 5	ESE	2	f	#	o, f	#	59	45	—
	Belfort	30.19	49	SW	3	o	30.23	+ .11	44	43	+ 1	W	2	o	#	o	#	54	42	—
	Lyons	30.31	48	S	1	o	30.28	+ .03	48	46	0	ENE	1	o	#	o	#	53	46	—
	Nice	29.92	61	E	0	b	30.05	+ .21	55	47	+ 8	E	1	b	1	b	#	68	47	—
	Perpignan ...	30.21	65	N	3	b	30.23	+ .01	50	49	— 9	SW	1	b	#	b	#	71	49	—
	Biarritz ...	30.25	59	NE	3	b	30.25	— .07	54	52	0	SW	3	c	2	b	#	66	52	—
Peninsula.	Corunna ...																#			
	Lisbon	30.31	62	NW	1	b	30.26	— .06	52	51	— 9	NNE	3	bc	#	b	#	75	50	—
	Azores (P. Delgada)	30.02	60	S	4	o	29.93	— .08	54	53	— 5	NW	1	r	4	o	#	63	52	0.35

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 0.4 hrs; Brighton ? hrs; Eastbourne 3.8 hrs; Hastings ? hrs; Ventnor ? hrs.

WEATHER CHARTS

FOR SUNDAY, 21ST MARCH, 1897.

BAROMETER, WIND AND SEA.

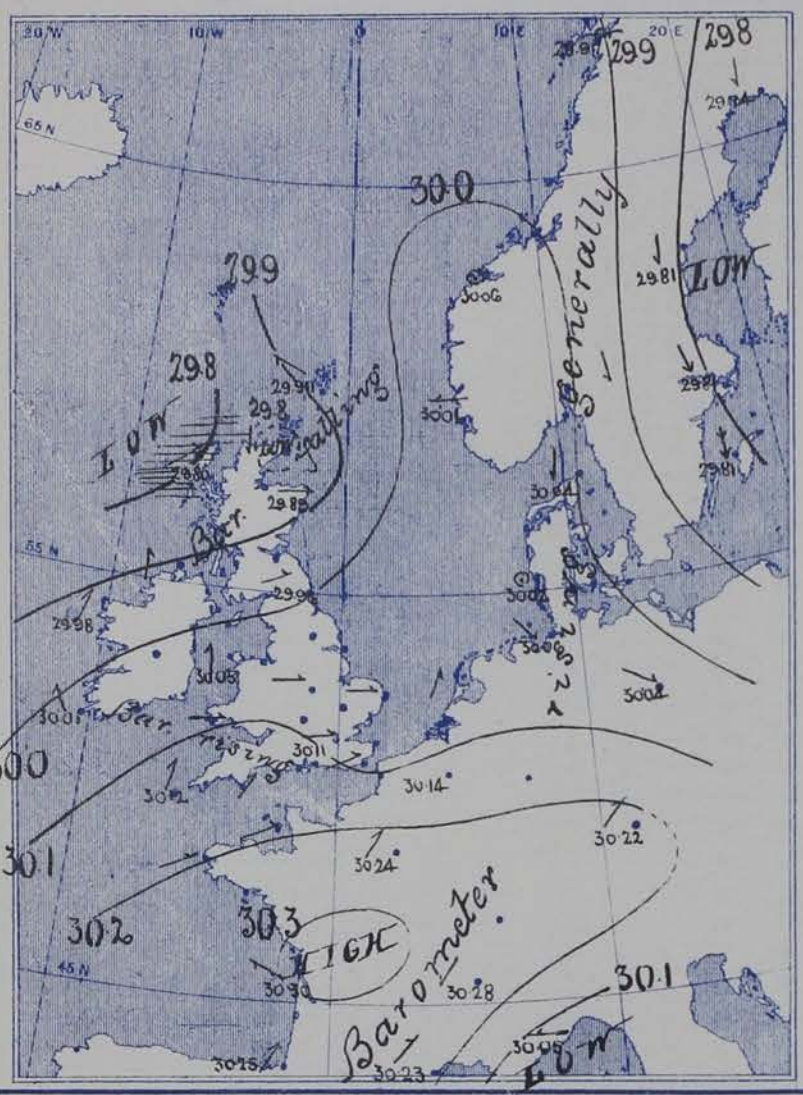
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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 ▩

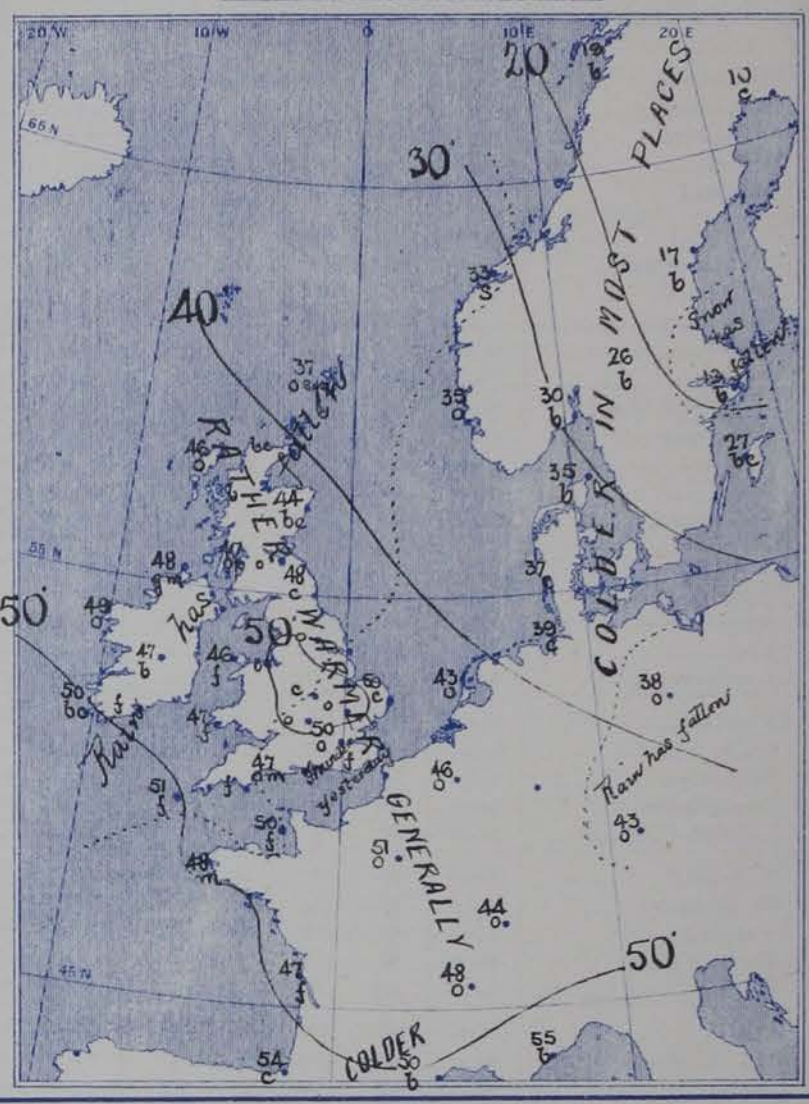


TEMPERATURE & WEATHER.

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 MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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: to 30·1 ins: in an anticyclone covering France, Spain, and the Bay of Biscay, and the south of our Islands, and spreading 30·0 ins: in a ridge stretching northwards over the Netherlands, Denmark, and the west of Norway.
Lowest, Below 29·8 ins: over the eastern parts of the Baltic and also over the Hebrides and the adjacent parts of the Atlantic.
Gradients slight, and favourable for W^ly to SW^ly winds over our Islands.
Barometer changing but little. [A very small shallow depression appears to be lying off the east coast of Caithness].

TEMPERATURE

Highest, 55° at Nice, 51° at Paris and Scilly, 50° at Valencia, London and York.
Lowest, 10° to 20° over Lapland and the east coasts of Sweden, 37° at Jan Mayen and Lerwick, 38° at Berlin, and 39° at Cuxhaven.
During yesterday it rose to between 50° and 51° over England and Ireland, and touched 60° at Paris, 66° at Biarritz, and 71° at Perpignan, but did not exceed 45° at Berlin and Munich.

WIND

(1) N^ly moderate to strong over Sweden, and a gale at Wick, NW^ly over Germany; (2) Calm in the west of Norway and at Jan Mayen; (3) W^ly to S^ly over our Islands and of little strength; and light from SW. over France.

WEATHER

Fine over Scandinavia as a whole, fair over our Islands, very foggy over the Channel and west of France, dull over Central Europe A little rain has fallen over the western and northern parts of our Islands and over some parts of the countries lying to the eastward of the North Sea and a considerable amount in the Azores. Much fog has prevailed in the Channel.
Bright Sunshine yesterday — Cambridge 2·6 hrs; and Eastbourne 3·8 hrs, but London only 0·6 hr. and Aberdeen, Penkridge & Scilly none

SEA

Rather rough in the north, moderate in the southwest, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 22nd March. 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	None Issued.	6 SCOTLAND WEST	None Issued
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.82	43	37	N	4	b	2	Valencia	29.96	53	52	S	4	ogm	5
Sumburgh Head	30.09	42	36	N	3	bc	4	Scilly	30.15	53	52	SSW	3	m	4
Stornoway	29.99	43	38	SE	4	o	5	Jersey	30.22	53	52	WSW	3	of	3
Aberdeen	30.06	43	39	SE	1	og	2	Hurst Castle ...	30.16	50	48	SW	3	am	2
Shields	30.07	43	41	ENE	2	o	3	Dungeness ...	30.14	50	48	WSW	3	c	2
Ardrossan	30.01	45	45	E	0	am	0	North Foreland	30.16	52	48	W	2	o	2
Malin Head ...	29.92	46	45	S	4	rm	2	London (Westminster)	30.12	58	50	WSW	1	c	#
Belmullet	29.88	49	49	SSW	3	or	#	Yarmouth ...	30.09	48	44	NNE	4	bc	4
Holyhead	30.06	48	47	S	4	ogm	3	Rochefort ...	30.22	59	58	NW	2	o	#

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

Weather in morning fine and bright over Spain, the eastern half of England, and at some stations on the northeastern shores of the North Sea; dull over the west and northwest of our Islands; very unsettled over the Baltic and Germany — with rain or wet snow in many places, changeable and unsettled over the Mediterranean also. Some rain falling later in all the western and northern parts of the United Kingdom, but the weather over the southeastern and southern parts, and over France remaining fair.

Temperature fallen a little over Great Britain, France, and Central Europe. Morning readings highest 65° at Algiers, 61° at Lisbon, Tunis, and Sfax, 59° at Perpignan, 52° to 50° on our southwestern coasts and in the west of France. Lowest 15° to 24° over the extreme north of Europe, 33° to 37° over the greater part of the Baltic, 38° to 40° over the north and northeast of Scotland. Rising later to between 50° and 57° over Ireland and England, to 60° at Paris, to 71° at Perpignan, and 75° at Lisbon.

Wind (1) N. and moderate, over Scandinavia; NW. to W. and strong, over Germany, S. and light over Russia; (2) light and anticyclonic over France and Great Britain; (3) S. to SE. and moderate over Ireland. A cyclonic circulation of strong winds prevalent over the Mediterranean. Very little change over the British Islands later.

Barometer highest 30·3 ins: and more to 30·2 ins: in an anticyclonic system covering Spain, the Bay of Biscay, and the western part of France, and exceeding 30·0 ins: in a ridge stretching northwards over the whole of Great Britain and the east of Ireland. Lowest 29·1 ins: and less to 29·2 ins: in a depression covering the eastern shores of the Baltic; below 29·9 ins: in another lying over the northern parts of the Mediterranean, and apparently below 29·9 ins: off the extreme west of Ireland. Definite depression appearing off our northwest coasts later, but barometer rising fast over Scandinavia and the Baltic.

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, 22nd March, 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.92	14	N	4	b	30.02	+.28	4	3	- 6	N	2	b	#	b	#	25	4	-
	Hernösand ...	30.05	11	NE	0	b	30.19	+.38	11	10	- 6	NE	0	b	#	b	#	28	10	-
	Stockholm ...	30.02	21	NW	2	b	30.19	+.38	18	15	- 1	NNW	2	b	#	b	#	27	18	-
	Wisby	30.01	30	N	8	o	30.19	+.38	25	23	- 2	NNW	6	b	#	b	#	?	23	-
	Karlstad ...	30.09	29	NW	2	b	30.27	+.31	18	15	- 8	N	2	b	#	b	#	#	#	-
	Bodö	30.13	17	E	4	b	30.14	+.17	17	13	- 2	E	5	b	2	b	#	27	14	-
	Christiansund ...	30.13	34	NE	0	b	30.05	-.01	31	28	- 2	ESE	4	b	3	b	#	37	28	-
	Skudesnaes ...	30.08	38	S	6	c	30.03	?	35	34	0	SE	4	s	3	c	#	41	32	#
	Færder (Christiania Fjord)	30.12	33	NNW	2	b	30.23	+.21	29	26	- 1	ESE	4	bc	2	b	#	37	28	-
	Skagen (The Scaw)	30.13	34	NE	0	b	30.21	+.17	34	33	- 1	SE	2	bc	0	b	#	39	30	-
	Fanö	30.10	38	NE	0	b	30.13	+.11	37	36	0	SE	2	c	#	b	#	43	36	-
	Sumburgh Head	29.86	40	SE	4	r	29.77	-.13	45	45	+ 8	NNW	1	o	4	r	#	45	39	0.31
	Stornoway ...	29.77	48	SW	4	rd	29.71	-.09	45	45	- 1	S	2	o	2	p,am	0.4	49	43	0.11
	Wick	29.81	46	W	2	bc	29.76	-.04	45	44	- 1	W	1	o	1	bc	#	53	40	0.03
	Nairn	29.84	52	NE	0	o	29.77	-.07	47	47	0	NE	0	o	1	o	#	55	41	0.02
	Aberdeen ...	29.90	51	SW	2	og	29.80	-.09	47	46	+ 3	S	2	om	1	og,r	1.5	58	42	0.10
	Leith	29.95	49	NE	0	o	29.82	-.14	50	47	+ 1	NE	0	om	#	o	#	58	41	-
	Shields	29.99	53	NNW	2	o	29.89	-.07	49	48	+ 1	SSW	1	o	2	o	#	59	44	-
	Spurn Head ...	30.04	50	NE	0	c	29.95	-.04	48	48	+ 1	SW	2	o	2	c	#	55	44	-
	York	30.05	55	N	1	o	29.95	-.07	48	47	- 2	SSE	1	o	#	c,or	1.8	57	47	-
	Loughborough ...	30.07	57	SW	1	o	30.00	-.07	53	52	+ 3	SSW	2	c	#	c,op,c	#	62	50	0.01
British Islands	Ardrossan ...	29.95	47	NNW	1	o	29.75	-.20	47	47	0	E	2	rm	2	o	#	50	45	0.01
	Malin Head ...	29.89	50	NNW	4	og	29.58	-.32	49	49	+ 1	S	S	r	2	c,og	#	54	46	0.09
	Belmullet ...	29.98	48	S	2	om	29.53	-.45	50	49	+ 1	SSW	2	o	#	o,om	#	50	45	0.14
	Donaghadee ...	29.98	48	S	3	c	29.77	-.22	47	47	- 2	S	6	r	4	c	#	55	44	0.13
	Liverpool (Bidston)	30.05	54	NNW	2	c	29.93	-.13	51	49	+ 2	S	2	r	1	bc,r	#	59	49	0.02
	Holyhead ...	30.05	47	S	3	b	29.85	-.20	48	47	+ 2	S	5	rf	4	f	#	48	44	0.04
	Parsonstown ...	29.98	54	W	0	o	29.63	-.38	50	48	+ 3	SE	3	ogr	#	c,or	4.4	61	45	0.06
	Valencia ...	29.98	52	SSE	3	om	29.59	-.42	50	48	+ 1	SSE	6	gmr	5	c,om	3.3	55	49	0.13
	Roche's Point ..	30.04	49	S	3	r	29.72	-.33	48	48	0	SSW	5	r	4	r	#	50	47	0.40
	Pembroke (St. Ann's Hd.)	30.11	47	W	2	r	29.93	-.15	47	47	0	SW	4	o	4	r	0.0	49	46	0.14
	Scilly	30.13	51	SSW	3	r	29.91	-.21	49	49	- 2	S	5	r	4	r	0.0	54	48	0.01
	Prawle Point ...	30.17	48	NNW	3	r	30.04	-.10	48	47	+ 1	S	3	rf	3	r	#	49	46	0.06
	Jersey (St. Anbin's)	30.21	51	W	3	bcf	30.12	-.05	49	49	- 1	SSE	3	ogm	3	bcf	#	54	46	
	Hurst Castle ...	30.16	48	SW	2	om	30.08	-.05	48	47	+ 1	SSW	3	rgd	2	o,fd	#	51	47	0.04
	Dungeness ...	30.13	48	SW	4	c	30.11	+.01	47	47	0	NNW	3	c	2	c,f	#	50	45	0.01
	North Foreland	30.14	53	S	3	o	30.08	+.01	51	50	+ 1	SW	3	o	2	c,o	#	59	47	0.09
	London (Brixton) ...	30.12	55	SW	2	c	30.08	-.03	52	51	+ 2	SW	2	o	#	c,or	1.2	61	50	0.07
	Oxford	30.14	54	SW	1	bc	30.04	-.07	51	50	+ 1	SSW	3	or	#	o,bc,or	#	61	50	0.09
	Cambridge ...	30.11	58	W	1	o	30.05	-.02	52	52	0	SW	2	o	#	bc,o	6.6	64	49	-
	Yarmouth ...	30.06	50	SSE	2	c	30.03	+.01	51	50	+ 1	SW	2	cq	3	c	#	57	45	-
Germany & Holland	Cuxhaven ...	30.07	37	E	1	o	30.13	+.07	39	?	0	SE	2	q	#	o	#	43	37	-
	Berlin	30.13	40	NE	0	o	30.23	+.19	37	34	- 1	ESE	3	o	#	o	#	43	37	-
	Wiesbaden ...	*	*	*	*	*									#	*	*			
	Munich	30.23	44	NE	0	r	30.30	+.08	45	44	+ 2	SW	3	o	#	r	#	50	43	0.32
	The Helder ...	30.09	44	NNW	1	b	30.08	+.04	44	44	+ 1	SSW	2	f	1	b	#	46	41	-
Belgium.	Brussels ...	*	*	*	*	*	30.18	+.04	50	50	+ 4	SW	3	r	#	o	#	55	46	-
	Cape Gris Nez ...	30.12	46	SW	4	f	30.11		48	48		SW	4	f	4	f	#	50	43	0.04
	Paris	30.23	56	NW	2	bc	30.21	-.03	44	44	- 1	W	0	bc	#	bc	#	59	43	0.04
	Brest	30.19	50	SSW	1	m	30.04	-.16	49	48	+ 1	SSE	4	m	4	m	#	52	46	-
	Lorient	30.24	50	NNW	3	f	30.14	-.06	48	46	- 3	S	4	f	5	f	#	57	45	0.04
France &	Rochefort ...	30.23	54	NW	2	o	30.15	-.08	49	49	+ 2	W	0	bc	#	b,o	#	63	47	-
	Belfort	30.21	50	NNW	4	f	30.23	-.00	48	48	+ 4	W	0	f	#	r	#	51	44	0.08
	Lyons	30.24	59	NE	1	c	30.24	-.04	51	50	+ 3	N	1	b	#	c	#	65	48	-
	Nice	30.09	54	SW	2	bc	30.18	+.13	50	45	- 5	W	0	bc	1	bc	#	68	48	-
	Perpignan ...	30.24	70	NW	2	b	30.22	-.01	54	50	+ 4	W	1	o	#	b	#	78	50	-
	Biarritz ...	30.25	54	W	3	f	30.12	-.13	51	49	- 3	ESE	2	bc	2	f	#	63	48	-
Peninsula.	Corunna ...																#			
	Lisbon	30.12	71	N	3	b	30.08	-.18	62	58	+ 10	NNE	4	bc	#	b	#	75	52	-
	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 3.2 hrs; Brighton 1.3 hrs; Eastbourne 3.4 hrs; Hastings 2.1 hrs; Ventnor 0.2

WEATHER CHARTS

FOR ..... Monday, 22nd March, 1897.

BAROMETER, WIND AND SEA.

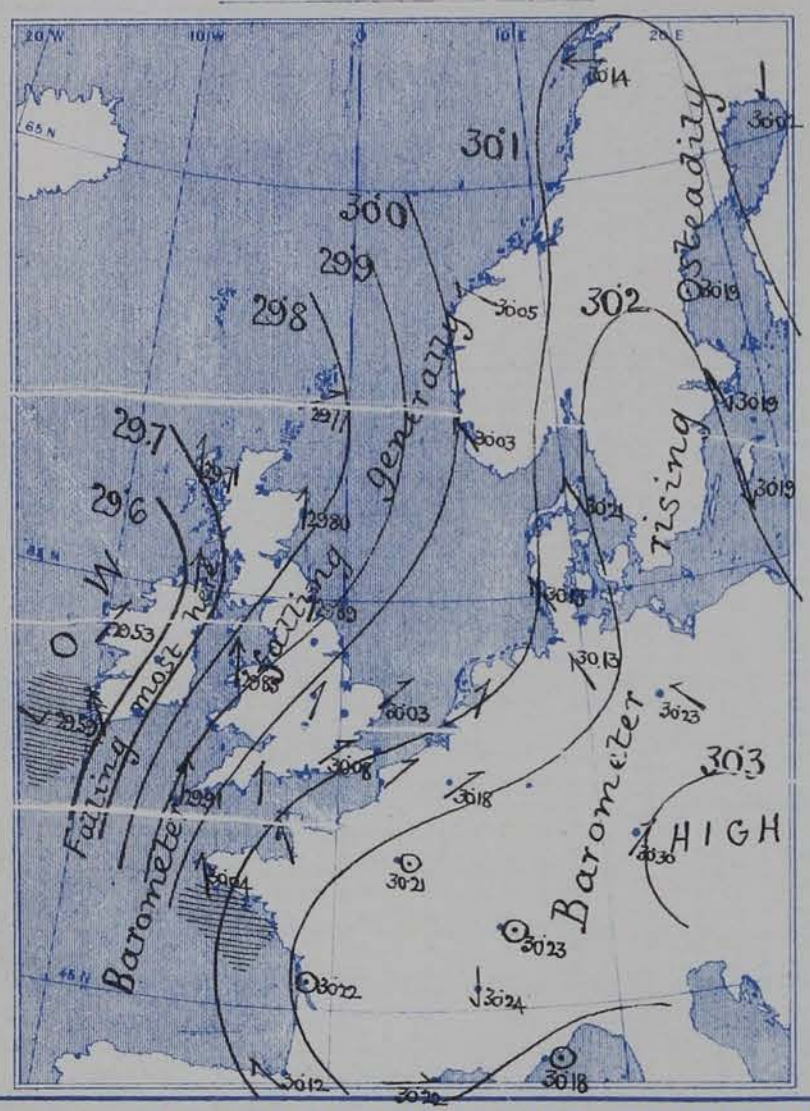
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; *Force 1 to 4* ⟶ ; } Calm ⊙

Force 8 to 10 ⟫⟶ ; *Force 1 to 4* ⟶ ; }

SEA—Rough ▤ : *High* ▨

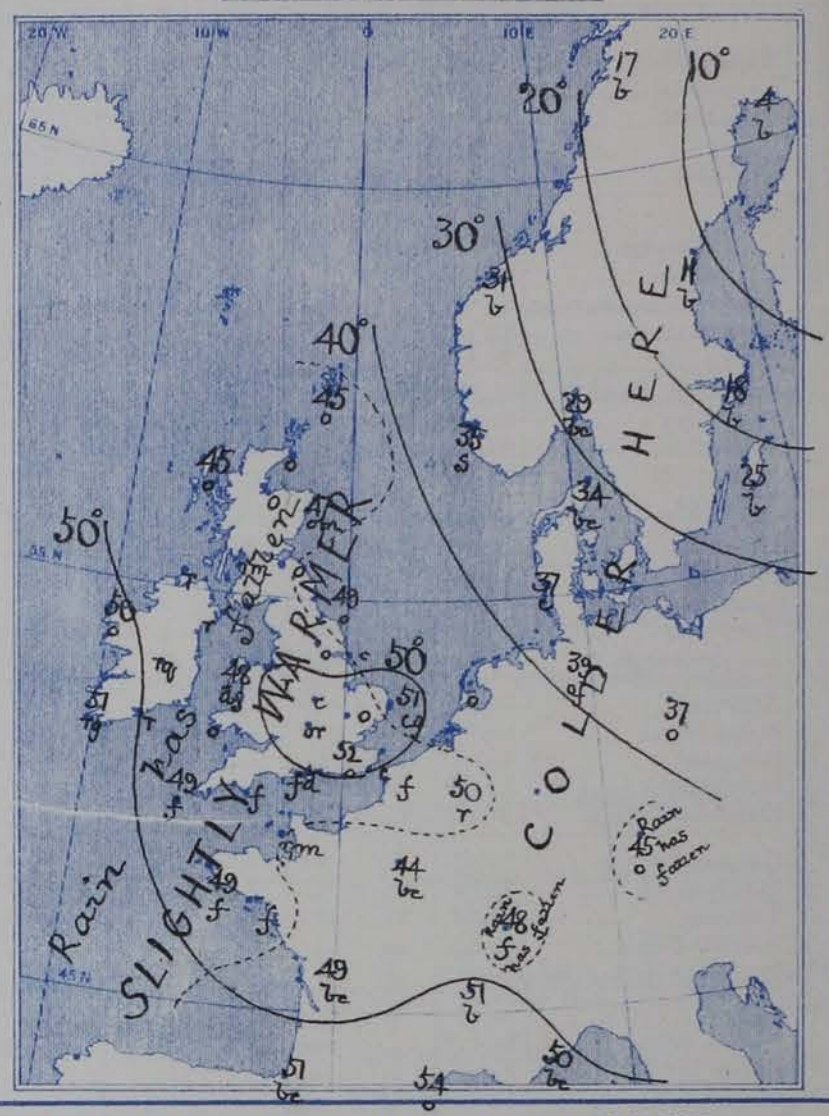


TEMPERATURE & WEATHER.

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 MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means. 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 · 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5		—		—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 · 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* 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: at the Continental stations generally.
Lowest, Below 29·6 in: over the western parts of Ireland and apparently still lower are the Atlantic.
Gradients becoming rather steep over the western parts of the Kingdom, and favourable for S^ly winds.
Barometer falling generally over our Islands – most in the west – rising over the Baltic and Sweden.

TEMPERATURE

Highest, 62° at Lisbon, 54° at Perpignan, 53° at Loughborough, 52° in London, 51° at Yarmouth, Liverpool, and Valencia (Ireland).
Lowest, 4° at Haparanda, 11° at Hernösand, and below 20° at Bodö, Karlstad and Stockholm; 15° at Lumburghafn, Stromoway and Wick.
The highest of the maxima recorded over our Islands yesterday were 64° at Cambridge, 62° at Loughborough, 61° in London, and at Oxford, and Parsonstown (Ireland) &c.

WIND

SW^ly and light over the eastern half of England; S^ly fresh to strong over Ireland and the Irish Sea.
Calms and S^ly airs prevail in Scotland.
At our southern stations the wind was inclined to increase generally.

WEATHER

Has become overcast, and rain is becoming general. Fog and mist are again prevalent over the western half of the Channel and off Ushant.
The rainfall measured this morning was greatest (0·40 in:) at Roche Point – at our other stations it was slight.
Bright Sunshine recorded yesterday was 6·6hrs at Cambridge, Parsonstown 4·7hrs, Eastbourne 3·4hrs, Southport 3·2hrs, Pembroke and Scilly had none and Valentia only 0·2hr.

SEA

Rather rough on our southwestern coasts, slight to smooth in the east and southeast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Mild and rainy weather (with S^ly winds) is becoming general, and gales are probable in the west and northwest.

FORECASTS

For the 24 hours ending at NOON on 23rd MARCH 1897.

DISTRICTS.		FORECASTS.
▼	SCOTLAND NORTH	S^ly winds, strong to a gale; rainy.
1	SCOTLAND EAST	S^ly winds, increasing in force; some rain.
2	ENGLAND N.E.	
3	ENGLAND EAST	S^ly winds, freshening; very mild, changeable from fair to rainy.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 0.
▼ 7	ENGLAND N.W.	
8	ENGLAND S.W.	S^ly winds, strong; squally, rainy.
▼ 9	IRELAND NORTH	Same as No. 0.
▼ 10	IRELAND SOUTH	

WARNINGS

At 10·15 am today to districts 0, 6, 7, 9 and 10 "Hoist South 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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·06	41	38	S	4	c	2
Sumburgh Head							
Stornoway	29·79	49	48	SW	4	oa	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29·88	53	51	S	4	o	2
Belmullet	29·94	48	48	SSW	2	o	*
Holyhead							
Valencia							
Scilly							
Jersey	30·21	52	51	WNW	3	bc	3
Hurst Castle ...							
Dungeness ...	30·12	49	48	SW	3	c	2
North Foreland	30·18	58	55	W	3	c	2
London (Westminster)							#
Yarmouth ...							
Rochefort ...	30·21	60	59	NW	3	b	#

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 14TH TO THE 20TH MARCH 1897.

The weather of this period remained very unsettled until quite the end of the time, when a gradual improvement was reported in most districts.

During the earlier part of the week two depressions of considerable importance were observed in our neighbourhood.

The first appeared off the southwest of our Islands on the 14th and after moving for a time in a southeasterly direction changed its course and advanced northeastwards to the north of England, where it appears to have broken up. During its progress strong gales from the SE. or E. were experienced on many parts of our northern coasts, and falls of rain or sleet in all parts of the Kingdom, the amount being large at several of our northern stations.

The second depression advanced to the southwestward of Ireland early on the 16th and afterwards moved northwards, its passage being attended by S. gales at some of our western stations, and by further general falls of rain, and by thunder and lightning at several of the English stations. On the night of the 18th when a small secondary disturbance passed quickly over Ireland and England, a slight gale from the SW. or W. prevailed on many parts of our western and southern coasts. At the close of the week there were indications of the advance of further depressions from the westward.

At the commencement of the week the thermometer was rather low for the time of year. Later on, however, it gradually rose, and on the 19th and 20th it reached a maximum of 55° or more at several of the English stations.

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 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 Tuesday 23rd March, 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.99	7	S	2	b	29.95	— .07	-4	-5	— 6	S	2	bc	*	b	*	27	?	—
	Hernösand ...	30.10	10	E	0	b	29.89	— .30	23	20	+ 12	S	6	o	*	b	*	36	3	—
	Stockholm ...	30.21	23	E	0	b	29.96	— .23	26	?	+ 8	S	2	o	*	b	*	28	14	—
	Wisby	30.23	27	NNW	4	b	29.97	— .22	27	25	+ 2	SSE	4	o	*	b	*	27	21	—
	Karlstad ...	30.12	28	SE	2	o	29.73	— .54	26	26	+ 8	ESE	2	s	*	o	*	*	*	—
	Bodö	29.96	23	E	2	b	29.67	— .47	22	21	+ 7	E	6	c	2	b	*	27	14	—
	Christiansund ...	29.73	37	ESE	2	c	29.34	— .71	39	35	+ 8	SE	2	o	3	c	*	39	30	—
	Skudesnaes ...	29.73	40	ESE	4	o	29.24	— .79	40	38	+ 5	SE	6	o	4	o	*	40	32	*
	Færder (Christiania Fjord)	30.06	33	SSE	2	o	29.52	— .71	31	31	+ 2	ESE	6	s	4	o	*	34	28	—
	Skagen (The Scaw)	29.88	35	SSE	5	o	29.58	— .63	34	33	0	S	9	m	3	o	*	36	34	0.32
	Fanö	29.91	43	SE	6	r	29.49	— .64	42	41	+ 5	SW	6	o	*	r	*	46	37	0.83
British Islands.	Sumburgh Head	29.39	43	SE	3	r	29.16	— .61	44	44	— 1	NW	2	f	4	o.r	*	48	42	0.46
	Stornoway ...	[illegible]	[illegible]	S	4	r	29.35	— .16	44	44	— 1	W	2	c	2	r	0.0	46	42	0.95
	Wick	29.21	44	S	4	r	29.35	— .41	45	45	0	N	8	ow	3	r	*	47	44	0.40
	Nairn	29.16	50	WSW	2	c	29.51	— .26	47	46	0	? SW	2	c	1	c	*	51	43	0.26
	Aberdeen ...	29.28	46	SSE	7	ogq	29.43	— .37	48	44	+ 1	W	9	cq	4	orgq/	0.0	49	43	0.16
	Leith	29.31	52	SW	3	bc	29.59	— .23	49	46	— 1	W	5	c	*	bc.r	*	56	45	0.17
	Shields	29.47	52	SSW	4	op	29.64	— .25	49	47	0	SW	3	o	4	o.p	*	55	46	0.28
	Spurn Head ...	29.62	51	SSW	5	cp	29.76	— .19	48	46	0	WSW	5	cp	4	cp	*	54	46	0.03
	York	29.59	55	S	3	o	29.77	— .18	48	45	0	W	2	o	*	o	0.0	56	47	0.05
	Loughborough ...	29.73	52	SW	5	c	29.89	— .11	47	44	— 6	WSW	3	bc	*	opq, bc	*	58	44	0.04
	Ardrossan ...	29.31	47	SSW	6	ow	29.69	— .06	48	48	+ 1	W	3	o	3	r, ow	*	48	46	0.32
	Malin Head ...	29.25	46	WSW	7	r	29.71	+ .13	47	46	— 2	WSW	5	om	2	r	*	52	45	0.06
	Belmullet ...	29.56	50	W	6	c	29.77	+ .24	49	48	— 1	WSW	2	o	*	or, c	*	51	46	0.12
	Donaghadee ...	29.40	50	WSW	7	r	29.78	+ .01	49	47	+ 2	W	6	bc	5	r	*	52	45	0.07
	Liverpool (Bidston)	29.64	52	SW	7	bc	29.82	— .11	48	44	— 3	WSW	7	b	5	p.bc	*	58	46	0.01
	Holyhead ...	29.67	48	SW	6	cp	29.88	+ .03	46	45	— 2	WSW	4	o	3	opq, cp	*	50	44	0.08
	Parsonstown ...	29.68	51	W	2	o	29.85	+ .22	47	45	— 3	SE	1	o	*	op, c	1.0	54	44	0.06
	Valencia ...	29.82	52	SW	5	c	29.81	+ .22	51	48	0	SSE	3	o	3	r.mp, c	2.9	53	47	0.39
	Roche's Point ...	29.80	52	W	5	bcq	29.90	+ .18	49	49	+ 2	S	3	f	4	bcq	*	54	45	0.05
	Pembroke (St. Ann's Hd.)	29.81	48	W	5	c	29.94	+ .01	47	46	+ 2	W	3	o	4	c	1.8	49	46	0.16
	Scilly	29.96	51	WSW	4	c	29.99	+ .08	49	49	0	SSW	3	f	4	om, c	3.7	55	47	0.01
	Prawle Point ...	29.93	48	WSW	4	c	30.02	— .02	46	46	— 2	WSW	3	m	2	c	*	49	45	—
	Jersey (St. Aubin's)	29.98	56	WSW	3	cg	30.07	— .05	47	47	— 2	W	3	of	3	bc, cg	*	57	46	—
	Hurst Castle ...	29.89	51	SW	4	ow	? 30.05	— .03	47	46	— 1	WSW	2	cm	2	om, ow	*	51	45	—
	Dungeness ...	29.91	49	SW	3	c	29.97	— .14	47	46	0	WSW	4	c	3	c	*	51	45	—
	North Foreland	29.91	56	S	3	o	29.94	— .14	49	47	— 2	W	4	bc	3	o	*	56	44	—
	London (Brixton) ...	29.85	55	SW	4	bc	30.00	— .08	48	45	— 4	W	2	bc	*	o.p.bc	0.0	57	44	—
	Oxford	29.86	50	SW	3	c	29.96	— .08	47	45	— 4	WSW	3	c	*	c.d	*	54	43	—
	Cambridge ...	29.79	53	SSW	4	bc	29.94	— .11	48	45	— 4	SW	3	b	*	o.bc	0.3	52	43	—
	Yarmouth ...	29.79	53	SSW	5	c	29.84	— .19	48	45	— 3	WSW	5	cq	3	c	*	55	44	—
Germany & Holland.	Cuxhaven ...	30.04	46	S	2	o	29.66	— .47	47	46	+ 8	W	5	bc	*	o.r	*	50	39	0.35
	Berlin	30.18	41	SE	3	o	29.73	— .50	43	42	+ 6	S	3	r	*	o	*	46	37	0.16
	Wiesbaden ...	*	*	*	*	*	29.93		50	49		SW	2	c	*	*	*	57	46	—
	Munich	30.20	48	E	5	bc	30.04	— .26	51	47	+ 6	SW	5	o	*	bc	*	55	41	—
	The Helder ...	29.85	51	S	2	o	29.78	— .30	46	44	+ 2	SW	6	bc	4	o	*	52	44	—
France & Belgium.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez ...	29.88	48	SSW	4	f	29.95	— .16	47	46	— 1	W	4	c	4	f	*	55	43	—
	Paris	30.04	62	S	2	b	30.07	— .14	47	47	+ 3	WNW	1	m	*	b	*	67	44	—
	Brest	30.03	50	S	3	m	30.05	+ .01	45	45	— 4	ESE	2	m	3	m	*	50	41	—
	Lorient	30.06	50	S	2	m	30.06	— .08	46	46	— 2	S	1	m	2	m	*	55	46	—
	Rochefort ...	30.09	57	NW	2	bc	30.09	— .13	52	51	+ 3	E	2	bc	*	bc	*	73	50	—
	Belfort	30.08	58	E	0	bc	30.06	— .17	50	48	+ 2	WSW	3	m	*	bc	*	66	46	—
	Lyons	30.12	60	E	1	b	30.12	— .12	51	50	0	SSE	1	b	*	b	*	68	47	—
	Nice	30.19	51	SW	1	c	30.19	+ .01	46	46	— 4	E	0	o	0	c	*	59	46	—
	Perpignan ...	30.13	59	NE	2	b	30.18	— .04	52	52	— 2	?	?	o	*	b	*	76	51	—
	Biarritz ...	30.02	78	ENE	2	b	30.03	— .09	58	51	+ 7	E	2	o	2	b	*	82	51	—
Peninsula.	Corunna ...														*		*			
	Lisbon	30.04	70	S	4	o	30.07	— .01	60	58	— 2	N	2	o	*	o	*	77	59	—
	Azores (P. Delgada)	29.84	61	SSW	8	c	29.89		61	60		SSW	5	o	6	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 ? hrs; Brighton 1.0 hrs; Eastbourne 0.0 hrs; Hastings 0.6 hrs; Ventnor 1.4 hrs.

WEATHER CHARTS

FOR Tuesday, 23rd March 1897.

BAROMETER, WIND AND SEA.

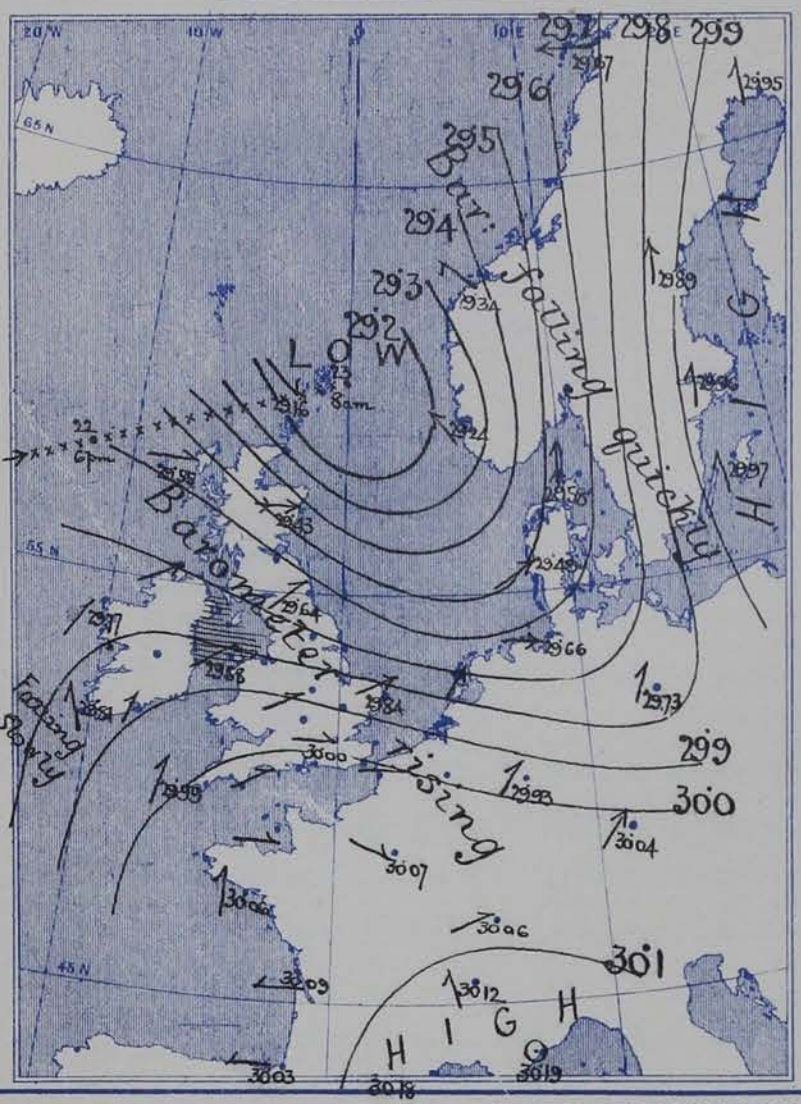
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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* ▩

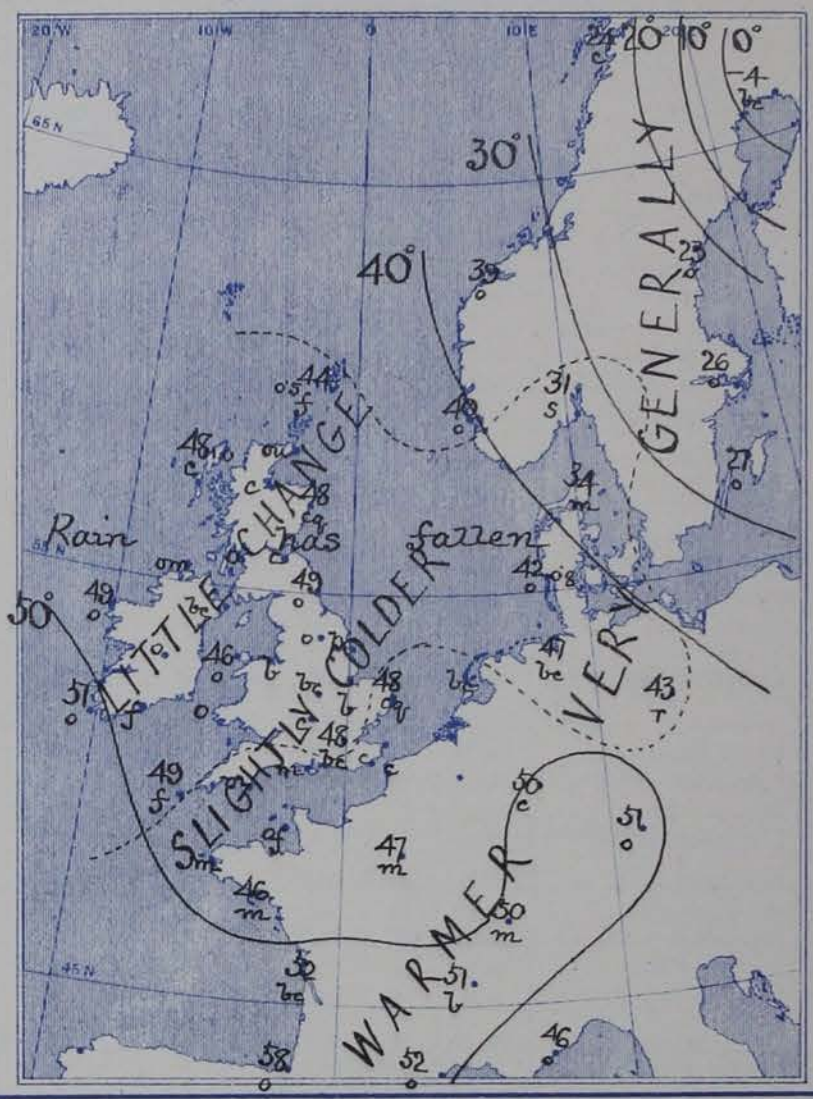


TEMPERATURE & WEATHER.

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 MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 · 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 · 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* 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 over the southern parts of France; 29.9 ins. and upwards over the Gulf of Bothnia and the northern parts of the Baltic.
Lowest 29.2 ins. and less in a depression lying between the Shetlands and the Norwegian coast.
Gradients rather steep over the North Sea and the neighbouring countries, but moderate or slight elsewhere.
Barometer rising in most parts of Gt. Britain and France, – quickly in the north; falling briskly on the eastern shores of the North Sea.

TEMPERATURE

Highest 58° at Biarritz, 52° at Rochefort and Perpignan, and 51° at Valencia (Ireland), Lyons & Marseilles
Lowest – 4° F. at Haparanda, + 23° at Hernösand, 24° at Bodö, 26° at Stockholm and Faerder, & 27° at Whitby.
During yesterday the thermometer rose to 55° and upwards in many parts of Gt. Britain and to 59° at Cambridge; at Biarritz the maximum reading was as high as 82°.

WIND

W. ½ to N. ½ in Scotland with a gale on the NE. coasts; moderate to fresh from the SW^nd over England, the Netherlands and Germany; S. ½ or SE. ½ at the Scandinavian and Danish stations, with a gale at the Skaw.
Light from the S^nd on our own extreme southwest coasts and from the E^nd in the west of France.

WEATHER

Fine over the central and southeastern parts of England and the neighbouring parts of the Continent, but cloudy or dull in most other places.
Fog or mist was reported on our E. and SW. coasts, rain at Berlin, and snow at Faerder and Karlstad
Rain fell yesterday in the west and north of our Islands generally, as well as in Denmark and N. Germany, the largest amounts being 1.0 in. at Stornoway, and 0.8 in. at Fano. Solar halos were seen at Jersey and Oxford.

SEA

Moderate or slight generally, but rather rough in the Irish Sea.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which was approaching our western coasts yesterday is now travelling away to the NE^nd of Scotland. A secondary system is, however, beginning to appear in the SW., so that unsettled weather is still probable especially in our more southern districts.

FORECASTS

For the 24 hours ending at NOON on 24TH MARCH 1897.

DISTRICTS.	FORECASTS.
1 SCOTLAND NORTH	NW. ¾ winds, strong, to SW. or S. ¾, moderate; fair at first, some rain later.
SCOTLAND EAST	
2 ENGLAND N.E.	Same as No. 5.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	W. ¾ to S. ¾ winds, freshening considerably; fair at first, some rain later.
6 SCOTLAND WEST	W. ¼ to S. ¼ winds, increasing in force; fair to dull and rainy.
7 ENGLAND N.W.	
8 ENGLAND S.W.	S. ¼ winds increasing in force, dull, rainy.
9 IRELAND NORTH	Same as Nos. 6 and 7.
10 IRELAND SOUTH	Same as No. 8.
WARNINGS	At 7 pm yesterday to district 1. Hoist South Cone. The signals are still flying there, as well as districts 0, 6, 7, 9, and 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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.97	39	37	SE	6	o	4	Valencia	29.68	51	50	WSW	6	mp	6
Sumburgh Head	29.65	45	45	SE	2	o	4	Scilly	29.87	54	52	SSW	4	om	4
Stornoway	29.39	46	46	ESE	4	r	4	Jersey	30.00	54	53	SE	3	bc	3
Aberdeen	29.58	43	43	SSE	3	orq	2	Hurst Castle ...	29.99	48	48	SW	2	om	2
Shields	29.65	51	50	S	1	o	2	Dungeness ...	30.01	51	50	SW	3	c	2
Ardrossan	29.46	48	48	SSE	7	r	6	North Foreland	30.00	54	52	S	4	o	3
Malin Head ...	29.25	50	49	S	6	r	2	London (Westminster)	29.95	54	51	SSW	4	o	*
Belmullet	29.42	49	49	W	8	or	*	Yarmouth ...	29.92	49	47	SSE	3	c	3
Holyhead	29.63	49	48	S	7	opq	5	Rochefort ...	30.08	68	65	SE	2	bc	*

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

Weather in morning dull over our Islands generally, with fog in the English Channel, and with rain on most parts of our western coasts. Fine in many of the continental countries, but dull over the Netherlands, Germany, Austria and the western and central parts of Russia; rain falling at Brussels and Vienna, and snow at Archangel and St. Petersburg, Riga and Memel. Rain falling later in the west and north of our Islands generally and also in Denmark and N. Germany; Solar halos seen at Jersey and Oxford.

Temperature risen slightly in our Islands, fallen in many of the Continental countries. Morning readings highest 66° at Algiers, 64° at Corunna and Barcelona, and 62° at Lisbon; above 55° at several of the Mediterranean and Spanish coast stations. Lowest 4° at Haparanda, 11° at Hernosand, 14° at Ulcaborg, and 16° at Hango; below the freezing point over nearly the whole of Scandinavia & Russia. Rising during day to 55° and upwards in many parts of Gt. Britain, and to 59° at Cambridge, reaching 67° at Paris, 70° and upwards in the extreme south of France generally, and 82° at Biarritz.

Wind S. 7 in our Islands and the N. of France, and strong in force at some of the Irish stations; SE. 4 on the eastern shores of the North Sea. N. 4 or NW. 4 over Sweden, Russia, Austria and Italy, and strong in force over the Nrn. parts of the Baltic. Calm or variable over the southern parts of France, E. 4 or NE. 4 over the Spanish peninsula. Subsequently veering to the Wd. in most parts of our Islands, and increasing to a fresh or strong gale on all our more Nrn. coasts.

Barometer highest 30·2 ins. and upwards in an anticyclone of irregular form stretching from the Mediterranean across the more central parts of the Continent to the Sth. half of Sweden. Lowest 29·5 ins. and less in a depression over Russia, 29·6 ins. and less in another disturbance lying to the W. of our Islands. Latter disturbance subsequently advancing to the N. of Scotland, and barometer falling very quickly on our Nrn. 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 Wednesday, 24th March, 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.88	17	S	2	s	29.77	-.18	22	22	+ 26	SSW	2	s	#	s	#	22	-17	0.08
	Hernösand ...	29.77	25	SE	6	o	29.64	-.25	27	27	+ 4	SE	4	s	#	o	#	27	1	0.35
	Stockholm ...	29.75	31	SE	6	o	29.65	-.31	33	32	+ 7	SSE	2	c	#	c	#	33	18	-
	Wisby	29.70	31	SE	8	s	29.68	-.29	34	34	+ 7	SSE	4	o	#	s	#	34	18	0.04
	Karlstad ...	29.62	31	SE	2	o	29.65	-.08	31	30	+ 5	NNE	2	o	#	s.o	#	#	#	0.43
	Bodö	29.65	22	E	4	b	29.62	-.05	22	19	- 2	E	5	b	1	b	#	28	18	-
	Christiansund ...	29.49	40	SE	2	c	29.51	+.17	39	37	0	S	2	o	2	c	#	45	39	0.04
	Skudesnaes ...	29.54	40	SSE	4	o	29.52	+.28	38	37	- 2	SSE	6	o	4	o	#	45	34	#
	Færder (Christiania Fjord)	29.57	32	N	4	o	29.61	+.09	32	31	+ 1	NNW	1	o	3	o	#	32	30	0.20
	Skagen (The Scaw)	29.48	35	NE	1	o	29.65	+.07	34	33	0	NNW	1	o	0	o	#	37	32	0.12
	Fanö	29.67	41	N	6	o	29.71	+.22	40	39	- 2	SW	4	c	#	o	#	45	37	-
	Sumburgh Head	29.54	43	NW	2	c	29.10	-.06	43	43	- 1	ESE	3	o	5	c	#	45	35	0.11
	Stornoway ...	29.53	48	S	3	c	28.82	-.73	47	47	+ 3	NNW	4	r	5	c.o	3.9	51	42	0.30
	Wick	29.53	45	Calm	0	c	28.98	-.37	45	44	0	S	3	r	3	c	#	52	44	0.04
	Nairn	29.57	51	W	1	c	28.99	-.52	50	48	+ 3	Calm	0	c	1	c	#	55	44	-
	Aberdeen ...	29.65	47	SSE	2	c	29.11	-.32	46	44	- 2	SSE	3	o q p	3	cq.c	2.8	55	43	0.02
British Islands	Leith	29.68	51	NNW	3	o	29.16	-.43	49	46	0	SW	6	r	#	o	#	56	47	0.01
	Shields	29.75	52	SW	3	o	29.35	-.29	50	47	+ 1	SW	5	bc	2	o	#	56	47	-
	Spurn Head ...	29.83	49	SW	3	o	29.55	-.21	51	48	+ 3	SW	4	b	3	c.o	#	52	45	-
	York	29.83	54	SSE	1	c	29.50	-.27	52	47	+ 4	S	4	c	#	c	1.1	56	47	-
	Loughborough ...	29.87	55	SE	1	c	29.66	-.23	51	47	+ 4	SW	5	bc q	#	cq.bcq	#	57	47	-
	Ardrossan ...	29.66	47	S	3	o m	29.21	-.48	47	47	- 1	SSW	5	r	5	o m	#	52	46	0.08
	Malin Head ...	29.48	52	S	4	c	29.16	-.53	49	48	+ 2	NNW	8	o	4	c.r	#	53	46	0.11
	Belmullet ...	29.46	51	SSW	6	o	29.46	-.31	50	49	+ 1	W	7	o	#	o	#	53	47	0.21
	Donaghadee ...	29.66	48	SSW	6	bc	29.33	-.45	51	50	+ 2	NNW	7	c	5	bc	#	53	45	0.04
	Liverpool (Bidston)	29.81	53	S	1	c	29.53	-.29	51	47	+ 3	SW	7	o	5	bc	#	56	48	-
	Holyhead ...	29.77	48	S	4	c	29.56	-.32	48	47	+ 2	SW	7	o q	6	cm.f.c	#	50	45	-
	Parsonstown ...	29.62	52	SE	2	o	29.59	-.26	51	47	+ 4	SW	4	o q	#	cq.r.o	1.5	58	45	0.02
	Valencia ...	29.62	54	S	5	o q	29.76	-.05	52	49	+ 1	SW	6	o q	6	o am.oq	0.6	54	50	0.02
	Roche's Point ..	29.73	49	SSW	5	m q	29.75	-.15	51	48	+ 2	W	5	bc	4	bc.m.rq	#	51	48	0.15
	Pembroke (St. Ann's Hd.)	29.84	48	SW	4	o	29.74	-.20	48	47	+ 1	W	7	o q	4	o	0.7	48	45	0.15
	Scilly	29.87	50	S	4	m	29.94	-.05	50	49	+ 1	W	5	c	5	m	0.2	52	48	0.02
	Prawle Point ...	29.95	45	SSE	2	f	29.92	-.10	48	47	+ 2	NNW	6	c	5	f.rf	#	48	44	0.02
	Jersey (St. Aubin's)	29.97	56	ESE	2	bc	30.01	-.06	52	51	+ 5	W	4	bcm	3	f.bc.p	#	57	45	0.01
	Hurst Castle ...	29.98	45	SSW	2	f	29.87	-.18	49	48	+ 2	NNW	5	bc	3	bcm.f	#	51	44	-
	Dungeness ...	29.97	44	SW	4	f	29.82	-.15	48	48	+ 1	NNW	5	o	4	f	#	52	43	-
	North Foreland	29.96	54	SW	3	c	29.81	-.13	51	49	+ 2	SW	4	o	3	bc.c	#	60	44	-
	London (Brixton) ...	29.94	52	SSW	3	c	29.81	-.19	52	49	+ 4	W	4	c	#	c.o.bc	5.0	64	46	-
	Oxford	29.92	49	SSW	2	c	29.78	-.18	51	47	+ 4	NNW	3	cq	#	c	#	59	46	-
	Cambridge ...	29.92	54	SW	2	o	29.73	-.21	53	48	+ 5	SW	5	b	#	c.o	2.2	60	46	-
	Yarmouth ...	29.89	52	NNW	3	c	29.68	-.16	52	49	+ 4	NNW	5	bc	3	c	#	55	45	-
Germany & Holland	Cuxhaven ...	29.75	45	W	7	o	29.75	+.09	42	42	- 5	S	4	o	#	o	#	48	39	-
	Berlin	29.82	50	SW	3	o	29.89	+.16	47	45	+ 4	W	4	c	#	o	#	55	43	0.04
	Wiesbaden ...	#	#	#	#	#	29.99	+.06	44	42	- 6	NW	1	c	#	#	#	61	43	-
	Munich	30.07	55	W	4	o	30.08	+.04	47	45	- 4	SE	3	o	#	o	#	59	43	-
	The Helder ...	29.90	46	SW	3	o	29.70	-.08	48	46	+ 2	SW	5	c	2	o	#	48	45	-
Belgium.	Brussels ...	#	#	#	#	#	29.89	-.10	53	49	+ 5	SW	4	c	#	bc	#	58	45	-
	Cape Gris Nez ...	29.97	44	SW	5	f	29.83	-.12	47	47	0	W	5	f	5	f	#	52	41	-
	Paris	30.05	60	S	1	b	29.97	-.10	58	49	+ 5	S	2	b	#	b	#	66	46	-
	Brest	29.97	50	S	3	m	30.01	-.04	52	50	+ 1	W	4	c	4	m	#	?	?	0.24
	Lorient	30.02	49	SW	1	f	30.07	+.01	50	50	+ 4	W	5	f	5	f	#	55	43	-
France	Rochefort ...	30.05	58	NW	3	b	30.15	+.06	54	54	+ 2	NNW	3	o	#	bc.b	#	79	52	-
	Belfort	30.01	62	W	3	b	30.04	-.02	51	48	+ 1	SW	2	m	#	b	#	68	45	-
	Lyons	30.07	65	SW	1	b	30.11	-.01	54	51	+ 3	SE	1	b	#	b	#	74	49	-
	Nice	30.13	48	Calm	0	f	30.13	-.06	49	47	+ 3	Calm	0	o	0	f	#	54	46	-
	Perpignan ...	30.12	56	E	1	c	30.17	-.01	50	50	- 2	Calm	0	f	#	c	#	62	50	-
	Biarritz ...	30.00	71	NNE	3	c	30.15	+.12	59	55	+ 1	NNW	3	bc	2	c	#	77	57	-
Peninsula.	Corunna ...																#			
	Lisbon	30.19	57	NW	2	b	30.25	+.18	55	54	- 5	NE	3	f	#	b	#	66	54	-
	Azores (P. Delgada)	29.98	60	S	3	bc	29.95	+.06	60	59	- 1	S	4	c	4	bc	#	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 4.0 hrs; Brighton 3.3 hrs; Eastbourne 3.7 hrs; Hastings 5.9 hrs; Ventnor 6.8 hr.

WEATHER CHARTS

FOR Wednesday, 24th March, 1897.

BAROMETER, WIND AND SEA.

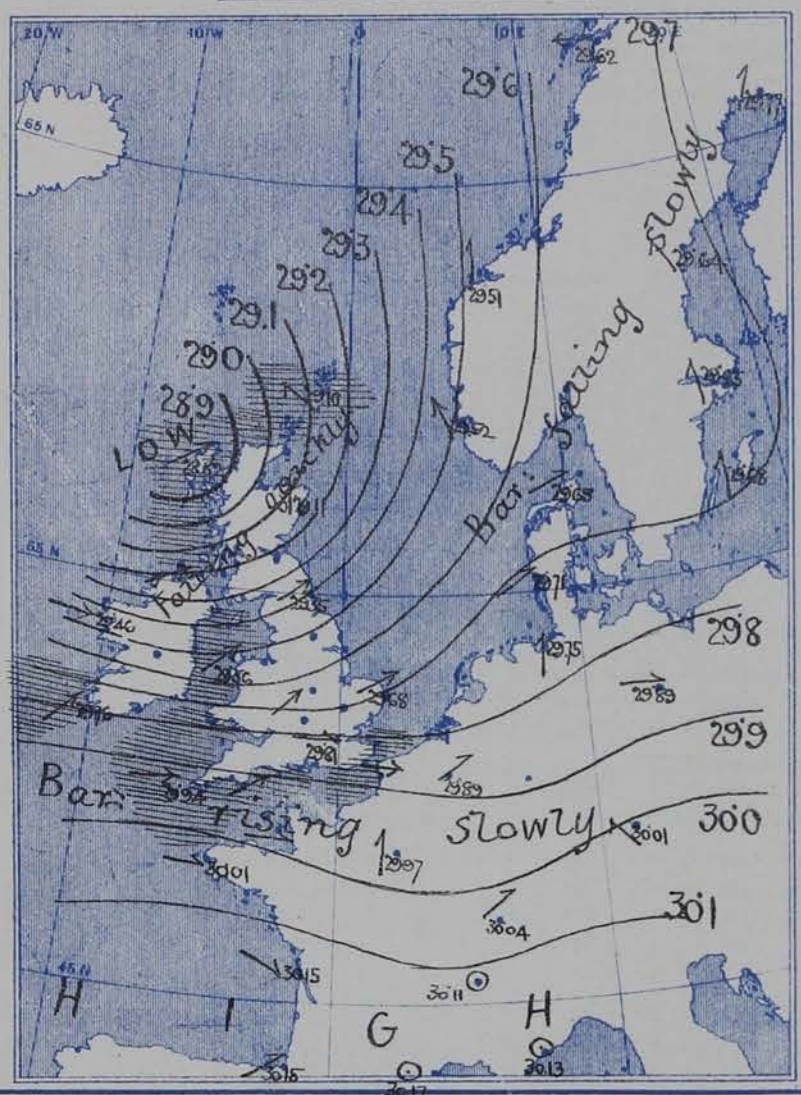
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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 MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Means of Wet Bulb 8 a.m.	Means of Daily Maximum.	Means of Daily Minimum.	Absolute Extremes. Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29 891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29 925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3 87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3 38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2 26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29 960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1 88	—	—
Jersey	29·965	44·0	41·9	49·7	39 8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1 78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29 951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1 50	119·7	33
Cambridge	29·941	38·8	37 4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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 upwards in Portugal; 30·1 in: and upwards over the whole of the Spanish Peninsula and the southern parts of France.
Lowest, 28·9 in: and less, in a depression having its centre a little to the northward of the Shetlands.
Gradients rather steep over all the more northern parts of our Islands and the North Sea, but moderate or slight elsewhere.
Barometer falling quickly in the north of Great Britain, but rising in most other parts of our area.

TEMPERATURE — Highest, 59° at Biarritz, 55° at Lisbon, 54° at Rochefort and Lyons, and 53° at Cambridge and Brussels.
Lowest, 22° at Bodö and Haparanda, 27° at Hernösand, 31° at Karlstad, 32° at Sweden and 34° at Skagen.
During yesterday the thermometer rose to 55° and upwards in many parts of the United Kingdom, to 60° at Cambridge and the North Foreland, and to 64° in London.

WIND — Fresh to strong from the W^ard or SW^ard over the greater part of the United Kingdom, light to moderate from the same quarters over the Netherlands and the west and north of France; calm in the extreme south of France
S^ly or SE^ly in the northeast of Scotland, as well as at most of the Scandinavian stations, and strong in force at Skudesnaes.

WEATHER — Fine at most of the English and French stations, but cloudy or dull in nearly all other parts of our area, with rain in Scotland and snow over the northern parts of Sweden.
Rain fell yesterday in the west and extreme north of our Islands generally and also on the eastern shore of the North Sea. A solar halo was seen at Oxford.

SEA — Rough at Holyhead and Valencia (Ireland) and rather rough on our western and extreme north coasts generally, as well as at Cape Gris Nez and Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north seems likely to travel northeastwards. The general appearance remains very unsettled and showery weather is probable in most parts of the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 25^th^ MARCH 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
☐ 0 SCOTLAND NORTH	S^ly to W^ly winds, increasing in force; squally, some rain.	☐ 6 SCOTLAND WEST	Same as No 2.
☐ 1 SCOTLAND EAST		☐ 7 ENGLAND N.W.	
☐ 2 ENGLAND N.E.	SW^ly to W^ly winds, strong to a gale; squally, showery.	☐ 8 ENGLAND S.W.	W^ly winds, strong, a gale in places; squally, some showers.
3 ENGLAND EAST	W^ly and SW^ly winds, strong; squally, some showers.	☐ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		☐ 10 IRELAND SOUTH	
☐ 5 ENGLAND SOUTH		WARNINGS	At 10·0 am today to district 2 Hoist South Cone" and to districts 6.7. and 9 "Keep up South Cone" The signals are now flying except in district 3 and part of 5.

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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.40	44	40	E	4	o	3	Valencia	29.68	51	51	SSE	6	o dm	6
Sumburgh Head	29.46	44	42	NW	3	c	4	Scilly	29.93	51	50	SSE	4	om	4
Stornoway	29.58	51	47	W	3	o	3	Jersey	30.04	47	47	SSE	2	f	2
Aberdeen	29.63	52	47	W	7	c q	4	Hurst Castle ...	30.02	47	47	SW	3	om	2
Shields	29.76	54	50	SW	3	o	2	Dungeness ...	29.99	50	49	WSW	4	f	3
Ardrossan	29.73	47	47	S	3	om	2	North Foreland	29.99	59	54	W	3	bc	2
Malin Head ...	29.61	52	49	S	5	c	2	London (Westminster)	29.98	63	53	SW	3	o	*
Belmullet	29.59	53	50	SSW	6	o	*	Yarmouth ...	29.89	53	48	W	4	c	3
Holyhead	29.87	47	47	S	4	f	3	Rochefort ...	30.08	75	70	NW	1	bc	*

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

Weather in morning fine in the central and southeastern parts of England as well as in many parts of France, Italy, and Russia. Cloudy or dull in most other places, with fog or mist on our own south and southwest coasts, rain over the eastern and central parts of Germany, and snow at Jaeder, Karlstad, Copenhagen, and Moscow. A little rain falling later in the west and extreme north of our Islands and also on the eastern shores of the North Sea. Solar halo seen at Oxford.

Temperature fallen in England and also in Russia, Spain, and the south of France, risen elsewhere. Morning readings highest 63° at Coruna, 61° at San Fernando, 60° at Lisbon and 58° at Biarritz; above 50° in most parts of southern Europe. Lowest -4° F. at Haparanda, +4° at Ulleaborg, 8° at Kuopio and 9° at Hangö; below the freezing point over northern and Eastern Europe generally. Rising during day to 55° and upwards in most parts of the United Kingdom, to 60° at Cambridge and the North Foreland, and to 64° in London; exceeding 70° at some of the southern French stations, and reaching 77° at Biarritz, but not exceeding 54° at Nice.

Wind strong to a gale from between N. and W. in the northeast of Scotland; light to fresh from the SW. over England and the southern parts of the North Sea. S. or SE. over Scandinavia, Denmark, and the Baltic, with a gale at Skagen and Swinemunde. Light from the E. over the Bay of Biscay, and from the S. on our own extreme southwest coasts; very variable over southern Europe generally, light from the N. or NW. at most of the Russian stations. Subsequently shifting to the S. in all parts of our Islands, and blowing strongly in the northwest.

Barometer highest 30·2 ins. and upwards over Italy, Tunis, and the neighbouring parts of the Mediterranean; 30·1 ins. and upwards in an anticyclone embracing the greater part of southern and southeastern Europe. Lowest 29·2 ins. and less in a depression lying between the Shetlands and Norwegian coast; 29·7 ins. and less in a shallow area over northern Russia. Well marked secondary appearing later over Denmark; new and large depression approaching our own western 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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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 25th March, 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.63	20	NE	0	S	29.54	-.23	22	21	0	NE	0	0	*	S	*	25	16	0.08
	Hernösand ...	29.50	28	NE	0	0	29.35	-.29	27	26	0	NE	2	S	*	0	*	34	23	0.24
	Stockholm ...	29.51	34	NE	0	f	29.23	-.42	35	35	+2	S	2	f	*	f	*	36	25	0.08
	Wisby	29.55	33	SSW	4	S	29.27	-.41	38	38	+4	SSW	4	f	*	S	*	38	25	0.16
	Karlstad ...	29.39	35	S	2	S	29.21	-.44	34	33	+3	NNE	2	c	*	S	*	*	*	0.24
	Bodö	29.54	24	E	4	b	29.51	-.11	22	18	0	E	2	b	1	b	*	28	18	-
	Christiansund ...	29.24	39	SE	2	b	29.32	-.19	35	33	-4	NE	4	b	3	b	*	43	34	-
	Skudesnaes ...	29.12	41	S	6	f	29.15	-.37	41	41	+3	NNW	2	c	2	f,f	*	41	34	#
	Færder (Christiania Fjord)	29.32	35	ESE	4	f	29.19	-.42	33	33	+1	N	4	f	2	f	*	35	32	0.20
	Skagen (The Scaw)	29.30	39	SSW	2	f	29.26	-.39	38	38	+4	NNW	1	c	0	f	*	41	34	0.24
	Fanö	29.42	43	SW	6	f	29.45	-.26	42	41	+2	W	6	c	*	f	*	46	39	0.16
British Islands.	Sumburgh Head	28.95	44	ENE	1	0	29.40	+.30	42	41	-1	N	2	f	4	0	*	46	41	0.14
	Stornoway ...	29.15	48	W	5	0	29.54	+.42	45	44	-2	NNW	3	0	4	q|p. 0	0.4	49	43	0.20
	Wick	29.02	46	NW	5	0	29.48	+.50	45	44	0	N	3	0	2	0	*	54	43	0.12
	Nairn	29.12	52	W	4	c	29.54	+.55	49	47	-1	W	3	c	2	c	*	54	45	0.01
	Aberdeen ...	29.18	53	WSW	5	cq	29.54	+.43	50	45	+4	W	5	bcq	2	bcq.cq	5.2	60	46	-
	Leith	29.36	49	W	5	0	29.66	+.50	49	45	0	WSW	5	b	*	0	*	54	45	-
	Shields	29.48	52	WSW	5	c	29.69	+.34	47	45	-3	SW	5	bcq	2	c	*	55	45	-
	Spurn Head ...	29.58	51	WSW	6	bc	29.82	+.27	48	47	-3	WSW	5	cq	4	bc	*	54	47	-
	York	29.58	54	W	6	b	29.82	+.32	49	45	-3	W	4	bc	*	c.b	3.7	56	46	-
	Loughborough ...	29.75	54	WSW	6	b	29.92	+.26	48	45	-3	WSW	3	c	*	cq,bq,c	*	60	45	-
	Ardrossan ...	29.47	50	W	5	cqp	29.78	+.57	47	46	0	W	5	c	3	r,cqp	*	50	46	0.02
	Malin Head ...	29.53	47	W	6	cqr	29.79	+.63	46	45	-3	W	5	cqr	3	cqr	*	49	44	0.04
	Belmullet ...	29.75	50	W	6	c	29.95	+.49	49	48	-1	W	1	c	*	bc.c	*	52	45	-
	Donaghadee ...	29.63	51	NNW	8	bcq	29.88	+.55	48	47	-3	W	6	c	4	q,bc	*	55	46	-
	Liverpool (Bidston)	29.71	53	WSW	8	bc	29.91	+.38	49	48	-2	WSW	8	c	6	bc	*	55	47	-
	Holyhead ...	29.78	50	WSW	5	bc	29.96	+.40	48	46	0	WSW	5	cm	4	of,cq,bc	*	54	45	-
	Parsonstown ...	29.82	51	W	4	c	30.00	+.41	47	45	-4	SW	1	bc	*	cp,bc	3.4	55	43	-
	Valencia ...	29.99	52	WSW	6	cm	30.03	+.27	50	49	-2	SSW	1	c	3	cqm.cm	5.2	54	47	0.01
	Roche's Point ...	29.95	52	W	5	c	30.08	+.33	49	47	-2	W	2	c	3	c	*	56	47	-
	Pembroke (St. Ann's Hd.)	29.91	48	W	7	b	30.05	+.31	47	46	-1	WNW	4	c	4	b	7.3	49	46	-
	Scilly	30.10	51	WSW	5	c	30.13	+.19	50	50	0	S	3	cm	5	bc.c	8.6	54	48	0.01
	Prawle Point ...	30.05	48	WSW	5	c	30.16	+.24	48	47	0	WSW	4	cm	3	c	*	51	46	-
	Jersey (St. Aubin's)	30.11	52	W	5	bcm	30.22	+.21	50	50	-2	WSW	4	of	3	bc,bcm	*	55	49	-
	Hurst Castle ...	29.97	49	SW	6	cm	30.11	+.24	49	47	0	WSW	3	bcm	2	bcm.cm	*	52	47	-
	Dungeness ...	29.89	49	WSW	6	b	30.05	+.23	48	47	0	WSW	5	c	4	b	*	53	46	-
	North Foreland	29.87	54	SW	5	bc	30.03	+.22	48	46	-3	W	4	cw	3	c,bc	*	60	44	-
	London (Brixton) ...	29.88	53	W	5	b	30.04	+.23	50	47	-2	W	2	c	*	bcq,bc	8.7	60	45	-
	Oxford	29.93	46	SW	5	b	30.03	+.25	47	45	-4	SW	3	bc	*	c,bq	*	57	45	-
	Cambridge ...	29.80	51	WSW	4	c	29.99	+.26	49	46	-4	WSW	4	c	*	cq	6.3	59	43	-
	Yarmouth ...	29.72	55	W	4	bc	29.88	+.20	50	46	-2	W	5	bc	2	cq,bc	*	56	45	-
Germany & Holland.	Cuxhaven ...	29.73	50	W	5	0	29.66	-.09	46	46	+4	W	7	c	*	op	*	54	42	0.08
	Berlin	29.73	51	W	4	b	29.73	-.16	49	47	+2	W	5	c	*	b	*	57	45	0.28
	Wiesbaden ...	*	*	*	*	*	30.04	+.05	50	46	+6	SW	3	0	*	*	*	68	44	-
	Munich	29.98	58	SW	5	b	30.11	+.03	50	46	+3	W	5	0	*	b	*	66	41	0.04
	The Helder ...	29.71	47	SW	6	0	29.84	+.14	46	44	-2	WSW	6	bc	3	c.0	*	50	45	-
Belgium.	Brussels ...	*	*	*	*	*	30.07	+.18	47	45	-6	SW	5	c	*	b	*	56	44	-
	Cape Gris Nez ...	29.89	48	W	6	bc	30.02	+.19	48	46	+1	NNW	6	c	6	bc	*	52	45	-
	Paris	30.10	57	W	3	bc	30.22	+.25	48	46	-4	SW	2	0	*	bc	*	65	48	-
	Brest	30.19	52	SW	2	c	30.24	+.23	50	48	-2	SW	3	c	3	c	*	54	46	-
	Lorient	30.22	51	W	4	m	30.25	+.18	49	48	-1	SW	3	c	4	m	*	57	45	-
France &	Rochefort ...	30.27	54	W	2	m	30.33	+.18	50	49	-4	NW	2	0	*	m	*	61	48	-
	Belfort	30.00	63	WSW	6	b	30.19	+.15	48	46	-3	SSW	2	0	*	b	*	71	45	-
	Lyons ...	30.11	65	NW	2	bc	30.29	+.18	?	?	?	N	1	bc	*	bc	*	77	49	-
	Nice	30.13	50	NW	0	0	30.10	-.03	50	48	+1	ENE	1	0	1	0	*	58	48	-
	Perpignan ...	30.13	72	NW	3	b	30.21	+.04	63	57	+13	ENE	2	0	*	b	*	81	60	-
	Biarritz ...	30.25	55	NW	2	f	30.25	+.10	54	53	-5	N	2	f	2	f	*	63	52	-
Penin-sula.	Corunna ...																*			
	Lisbon	30.28	59	NNW	2	b	30.28	+.03	53	53	-2	NE	3	f	*	b	*	68	52	-
	Azores (P. Delgada)	29.93	61	ESE	3	0	29.93	-.02	62	60	+2	SSW	4	0	4	0	*	66	58	-

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 0.2 hrs; Brighton 5.6 hrs; Eastbourne 7.4 hrs; Hastings 7.1 hrs. Ventnor 8.0

WEATHER CHARTS

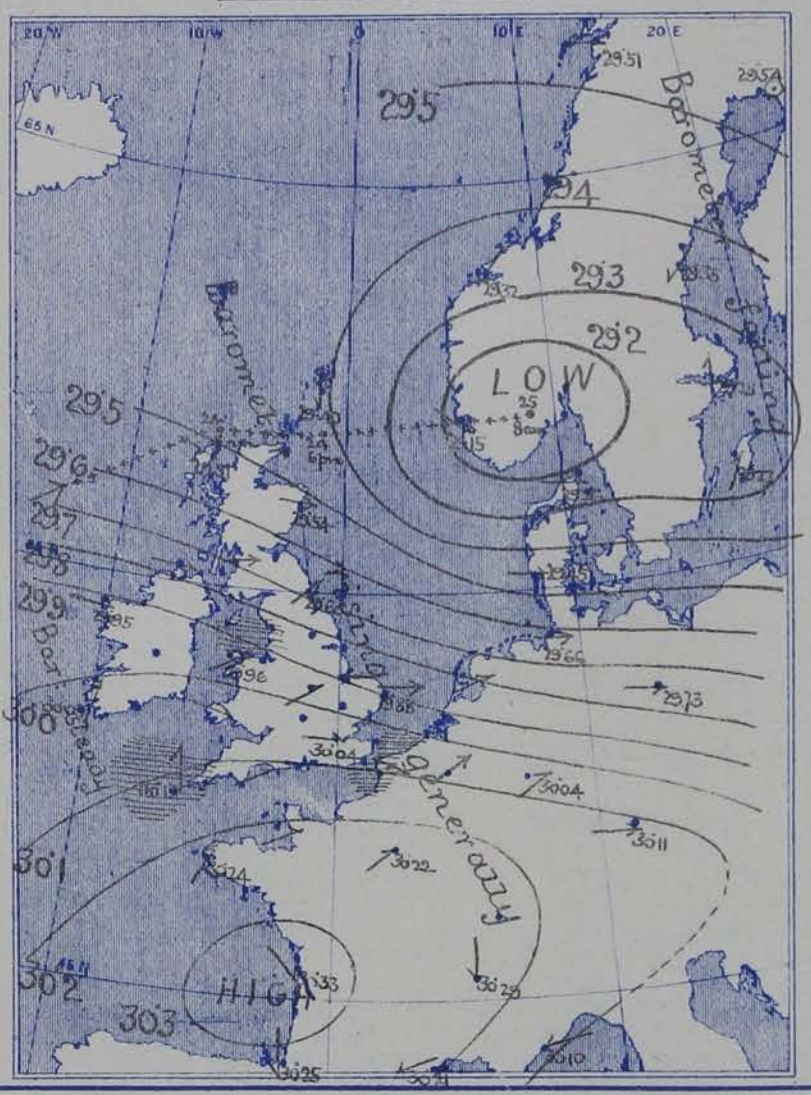
FOR Thursday, 25th March, 1897.

BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.

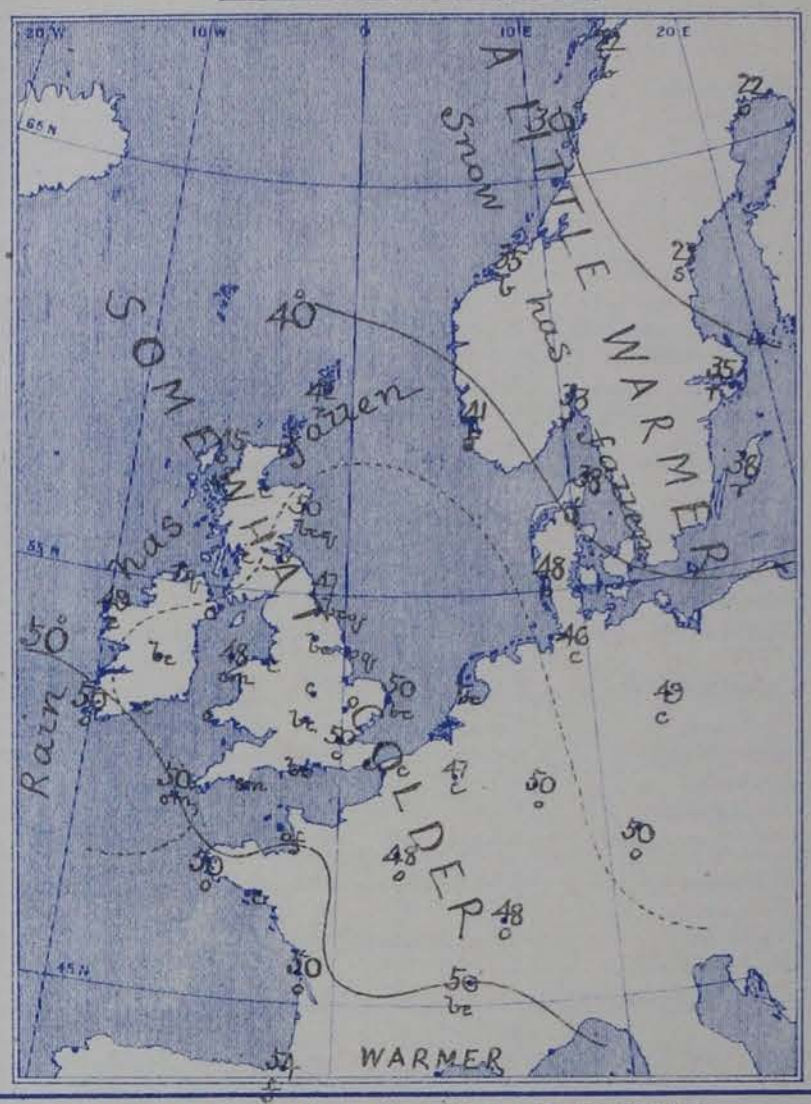
Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ ; } Calm ⊙
Force 8 to 10 ⟩⟶ ; *Force 1 to 4* ⟶ ; }

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 MARCH.*

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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, 30·33 in: at Rochefort; 30·2 in: and upwards, in our anticyclone embracing nearly the whole of France and the Bay of Biscay.
Lowest, 29·2 in: and less, in a well marked depression lying over the south of Norway.
Gradients moderate over the north and east of our Islands, as well as over the North Sea, Denmark and Scandinavia, slight elsewhere.
Barometer rising over Western Europe as a whole, but steady at Valencia (Ireland), falling in Sweden.

TEMPERATURE

Highest, 63° at Perpignan, 54° at Biarritz, and 50° at several of the French and German stations, as well as at Aberdeen, Valencia (Ireland), Jersey, Lowestoft and Yarmouth.
Lowest, 22° at Bodö and Haparanda, 27° at Hernösand, 33° at Jaender, 34° at Karlstad, and 35° at Stockholm.
During yesterday the thermometer rose to 55° and upwards in many parts of the United Kingdom, and to 60° at Aberdeen, Loughborough, London and the North Foreland.

WIND

Moderate to strong from the W.N.W. or SW.N.W. over the greater part of our Islands, and also in Denmark, Germany, and the Netherlands, but S.W. on our extreme southwest coasts.
S.W. in the south of Sweden; E. or NE. over the northern parts of Scandinavia; N. in the south of Norway.
Light from the N.W. or NE.N. over the southern parts of France.

WEATHER

Fair or fine over the greater part of our Islands, but dull on our extreme southwestern, western, and northern coasts, with rain at Malin Head and Lerwick. Dull at most of the Continental stations, with fog and rain in the south of Scandinavia, and with snow at Hernösand; fine and bright in the west of Norway.
A little rain fell yesterday on our extreme western and northern coasts, as well as in Denmark and Germany. Solar halos were seen at Scilly and Jersey.

SEA

Moderate or slight generally, but rough at Liverpool and Cape Frisney and rather rough at Scilly.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday off the north of Scotland has passed on to the south of Norway, but a fresh disturbance seems to be approaching our southwest coasts. The size and depth of the latter system are at present unknown.

FORECASTS

For the 24 hours ending at NOON on 26TH MARCH 1897.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W.N.W. to SW.N.W. or S.W. winds; fair at first, some rain later.
1 SCOTLAND EAST	
2 ENGLAND N.E.	Same as No. 5.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	SW.N.W. to S.W. winds, moderate or fresh; fair at first, some rain later.
⚠ 6 SCOTLAND WEST	W.N.W. to S.W. winds, strong; fair to dull and rainy.
⚠ 7 ENGLAND N.W.	
8 ENGLAND S.W.	S.W. winds, freshening considerably, dull, some rain.
⚠ 9 IRELAND NORTH	Same as Nos. 6 and 7.
10 IRELAND SOUTH	Same as No. 8.
WARNINGS	At 10·30 am today to district 2 "Lower Cone" The signals are still flying in districts 6, 7, 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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·25	41	38	SSE	8	r	5
Sumburgh Head	28·96	45	45	ESE	2	o	4
Stornoway	29·01	49	48	W	5	o	6
Aberdeen	29·08	59	50	WSW	7	bc qf	4
Shields	29·38	54	50	WSW	5	c	2
Ardrossan	29·37	48	48	W	5	r	4
Malin Head ...	29·40	49	48	W	7	c	5
Belmullet	29·64	52	50	W	7	bc	*
Holyhead	29·70	53	49	WSW	7	c	6
Valencia	29·90	54	50	WSW	7	c	6
Scilly	30·04	54	52	WSW	5	bc	5
Jersey	30·10	55	52	WSW	5	b c	4
Hurst Castle ...	29·93	52	50	SW	5	bcm	3
Dungeness ...	29·84	52	50	WSW	6	b	5
North Foreland	29·81	58	52	W	5	c	4
London (Westminster)	29·82	60	52	W	6	c	*
Yarmouth ...	29·68	55	50	WSW	5	c q	3
Rochefort ...	30·24	54	54	NW	3	m	*

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

Weather in morning fine at most of the English, French, and Spanish stations, and also over the Adriatic. Cloudy, or dull in nearly all other parts of Europe, with rain in Scotland, as well as at Swinemunde and Skudesnaes, and snow in the northern parts of Sweden and Finland. Fog reported at several of the Mediterranean and Spanish coast stations. A little rain falling later in the extreme west and north of our Islands, and also in Denmark and Germany; solar halo seen at Scilly and Jersey.

Temperature risen in most places. Morning readings highest 63° at Algiers, 60° at San Fernando and 59° at Biarritz, Nemours, Oran and Palermo; above 50° in several parts of England and Ireland. Lowest 5° at Archangel, 8° at Uleaborg, and 11° at St Petersburg; below the freezing point in many parts of Russia and Scandinavia. Rising during day to 55° and upwards in many parts of our Islands, and to 60° at Aberdeen, London, and the North Foreland. Exceeding 70° at many stations in the south of France, and reaching 81° at Perpignan, but maximum at Nice only 56°.

Wind fresh or strong from the W. or SW. over the greater part of the United Kingdom. Light or moderate from the same quarters over the neighbouring parts of the Continent. S. or SE. in the northeast of Scotland, as well as in Scandinavia and Western Russia, calm or variable over southern Europe as a whole, but NE. at most of the Spanish stations. Subsequently veering to the W. in all part of our Islands, and increasing to a gale on several parts of our north and northwest coast.

Barometer highest 30·2 ins. and upwards over the Spanish Peninsula; 30·1 ins. and upwards in an anticyclone embracing the greater part of southern Europe and also in another system over Russia. Lowest 28·9 ins. and less, in a well marked depression lying off the northwest of Scotland; 29·65 ins. and less, in a shallow system over the south of Sweden. Depression off Scotch coast subsequently moving eastwards and barometer rising in all parts of our Islands.

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 Friday, 26th March, 1897.

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 Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.46	25	NNE	4	S	29.53	- 01	17	17	- 5	N	2	c	#	S	#	27	17	-
	Hernösand ...	29.51	26	N	4	bc	29.73	+ 38	24	22	- 3	NW	4	b	#	bc	#	32	24	0.08
	Stockholm ...	29.39	30	N	6	o	29.75	+ 52	27	25	- 8	NNW	4	b	#	o	#	37	25	-
	Wisby	29.34	38	WSW	4	r	29.71	+ 44	30	28	- 8	N	8	c	#	r	#	41	30	0.16
	Karlstad ...	29.50	34	ENE	2	o	29.91	+ 70	26	23	- 8	NNW	2	b	#	rs.o	#	#	#	0.08
	Bodö	29.62	26	E	1	b	29.66	+ 15	25	23	+ 3	E	4	o	1	b	#	30	18	-
	Christiansund ...	29.76	33	NE	2	b	29.88	+ 56	37	31	+ 2	SW	3	c	3	b	#	39	32	-
	Skudesnaes ...	29.54	39	N	4	b	29.85	+ 70	37	36	- 4	SE	4	bc	3	o,b	#	45	32	#
	Færder (Christiania Fjord)	29.50	36	NW	2	o	29.95	+ 76	31	28	- 2	NNW	2	b	3	o	#	36	28	0.08
	Skagen (The Scaw)	29.56	36	N	2	o	29.94	+ 68	34	32	- 4	NE	3	b	o	o	#	41	34	0.08
	Fanö	29.65	40	NW	4	o	29.92	+ 47	38	37	- 4	NW	2	b	#	o	#	46	37	-
British Islands.	Sumburgh Head	29.77	42	N	2	c	29.69	+ 29	40	37	- 2	ESE	4	o	5	c	#	45	34	-
	Stornoway ...	29.83	47	NNW	3	o	29.36	- 18	43	42	- 2	SE	4	r	5	c,o	1.1	49	41	0.22
	Wick	29.82	45	N	2	o	?29.47	- 01	42	42	- 3	S	6	ru	5	o	#	54	42	0.05
	Nairn	29.81	47	W	1	c	29.48	- 06	44	44	- 5	SSE	1	o	1	c	#	52	40	0.15
	Aberdeen ...	29.83	46	N	2	c	29.63	+ 09	42	42	- 8	SSE	5	ogq	4	cqp.r	3.6	53	38	0.05
	Leith	29.84	48	W	3	c	29.51	- 15	46	43	- 3	S	0	o	#	c	#	56	42	0.03
	Shields	29.89	50	W	3	c	29.66	- 03	47	45	0	S	3	ou	2	bc.c	#	56	44	-
	Spurn Head ...	29.91	49	W	6	c	29.71	- 11	46	46	- 2	SSE	4	o	4	c	#	51	44	-
	York	29.94	52	W	3	b	29.74	- 08	48	47	- 1	S	2	r	#	c,b	2.5	55	45	-
	Loughborough ...	30.01	53	NNW	4	bc	29.78	- 14	49	47	+ 1	SSE	2	o	#	cq,ogp	#	58	47	0.01
	Ardrossan ...	29.91	47	W	3	o	29.41	- 37	47	47	0	SSE	4	omp	4	bc,o	#	52	43	0.02
	Malin Head ...	29.90	46	W	2	ogm	29.25	- 54	48	48	+ 2	S	5	r	2	bc.ogm	#	49	45	0.06
	Belmullet ...	29.90	51	WSW	1	o	29.31	- 64	50	49	+ 1	WSW	4	c	#	o	#	52	45	0.40
	Donaghadee ...	29.97	48	NE	3	c	29.46	- 42	47	47	- 1	S	6	rq	4	c	#	58	45	0.02
	Liverpool (Bidston)	30.00	50	WSW	3	c	29.63	- 28	50	47	+ 1	SSE	3	o	3	c	#	54	46	-
	Holyhead ...	30.03	48	SSW	3	om	29.59	- 37	47	47	- 1	S	7	rq	5	om	#	52	46	0.04
	Parsonstown ...	29.94	53	S	1	r	29.45	- 55	53	50	+ 6	SW	2	c	#	c,r	1.6	56	46	0.02
	Valencia ...	29.91	52	S	3	ogm	29.51	- 52	51	48	+ 1	SW	6	op	5	rm.gm	0.0	53	48	0.30
	Roche's Point ..	30.00	50	SSW	3	f	29.60	- 48	50	49	+ 1	WSW	5	cp	4	f	#	52	48	0.20
	Pembroke (St. Ann's Hd.)	30.02	48	SW	3	f	29.65	- 40	48	47	+ 1	SW	6	fa	5	cf	1.7	49	46	-
	Scilly	30.09	51	SSW	3	of	29.80	- 33	51	51	+ 1	SSW	6	m	5	of	0.3	55	49	-
	Prawle Point ...	30.12	48	WSW	4	f	29.89	- 27	48	47	0	SSW	6	ou	5	f,r	#	49	46	0.04
	Jersey (St. Aubin's)	30.18	52	SW	2	fa	30.04	- 18	51	50	+ 1	S	4	og	3	ofa	#	56	49	0.04
	Hurst Castle ...	30.11	49	WSW	3	fm	29.90	- 21	49	48	0	SSW	4	om	2	cmfa	#	52	48	0.01
	Dungeness ...	30.07	48	WSW	6	o	29.95	- 10	49	49	+ 1	SSW	4	o	3	o,f	#	53	46	-
	North Foreland	30.05	55	W	3	o	29.96	- 07	50	50	+ 2	S	3	o	2	bc.o	#	58	47	-
	London (Brixton) ...	30.08	55	NNW	2	c	29.87	- 17	50	48	0	SSW	4	o	#	bc,o	4.2	60	49	-
	Oxford	30.07	51	W	3	o	29.83	- 20	50	48	+ 3	S	4	oq	#	bc,o	#	58	47	-
	Cambridge ...	30.03	54	W	2	o	29.82	- 17	50	49	+ 1	S	5	o	#	c,oq	3.4	59	46	-
	Yarmouth ...	29.95	53	NNW	4	bc	29.88	.00	50	48	0	S	3	cm	3	bcp.bc	#	55	43	-
Germany & Holland.	Cuxhaven ...	29.71	45	W	6	o	29.97	+ 31	40	40	- 6	N	3	c	#	o	#	48	39	-
	Berlin	29.75	48	W	5	bc	29.94	+ 21	41	38	- 8	NW	5	o	#	bc	#	52	39	0.08
	Wiesbaden ...	*	*	*	*	*	30.15	+ 11	46	44	- 4	W	2	bc	#	*	#	55	45	-
	Munich... ..	30.13	50	W	6	o	30.20	+ 09	48	45	- 2	W	1	o	#	o	#	55	45	-
	The Helder ...	29.93	46	W	5	bc	29.98	+ 14	46	45	0	SW	1	c	1	bc	#	48	45	-
Belgium.	Brussels ...	*	*	*	*	*	30.08	+ 01	50	50	+ 3	W	2	r	#	o	#	57	44	-
	Cape Gris Nez...	30.05	48	W	6	o	29.99	- 03	49	49	+ 1	SW	4	f	3	o	#	52	45	-
	Paris	30.19	55	W	3	bc	30.15	- 07	49	48	+ 1	SSW	3	c	#	bc	#	60	47	-
	Brest	30.19	50	SW	1	f	30.04	- 20	50	48	0	S	4	o	4	f	#	52	48	-
	Lorient... ...	30.25	50	SW	4	m	30.07	- 18	50	50	+ 1	S	6	f	3	m	#	55	46	0.04
France &	Rochefort ...	30.30	54	NW	2	bc	30.23	- 10	50	50	0	S	3	bc	#	bc	#	61	48	-
	Belfort	30.13	53	WSW	3	o	30.26	+ 07	48	48	0	WSW	1	m	#	o	#	56	46	-
	Lyons	30.23	58	NNE	1	bc	30.24	- 05	51	48	?	NNW	1	b	#	bc	#	65	48	-
	Nice	30.07	52	E	0	o	30.09	- 01	51	49	+ 1	E	0	o	2	o	#	55	50	-
	Perpignan ...	30.19	68	NW	2	b	30.21	.00	61	54	- 2	NW	2	b	#	b	#	75	54	-
	Biarritz ...	30.23	57	N	3	c	30.19	- 06	50	50	- 4	E	3	m	2	c	#	63	48	-
Peninsula.	Corunna ...																#			
	Lisbon	30.21	69	N	3	b	30.19	- 09	65	55	+ 12	NNE	3	c	#	b	#	77	53	-
	Azores (P. Delgada)	30.08	61	SSE	3	bc	30.12	+ 19	61	60	- 1	E	3	o	3	bc	#	66	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 ..... hrs; Brighton 4.5 hrs; Eastbourne 5.0 hrs; Hastings 3.3 hrs; Ventnor 2.8 hrs.

WEATHER CHARTS

FOR Friday, 26th March, 1897.

BAROMETER, WIND AND SEA.

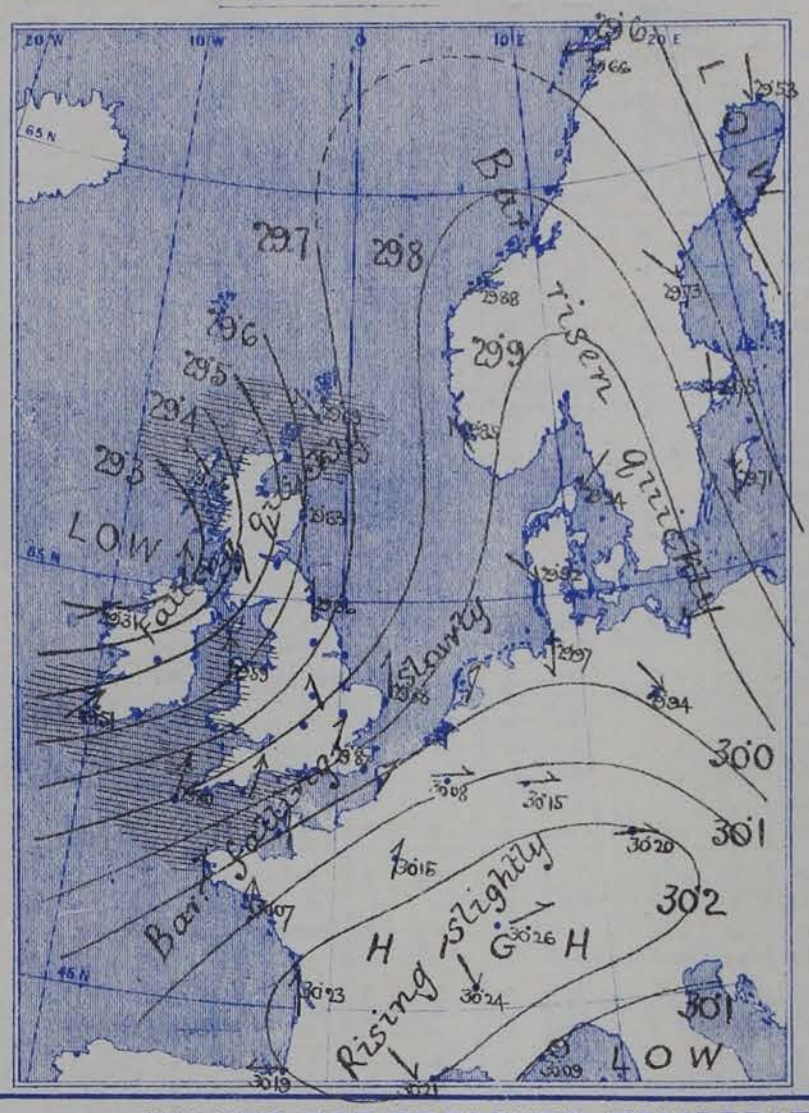
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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 MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means. 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5						—	—
Belmullet	29·882	43·2	41·4	48·4	39·3					3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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 ins. and upwards, in an anticyclone lying over France and South Germany.
Lowest, 29·3 ins. and less, in a depression lying off our extreme northwest coasts.
Gradients moderate to rather steep over our Islands, but slight elsewhere.
Barometer falling in our Islands and their neighbourhood,—quickly in the west and northwest; rising in Sweden, Denmark, and Germany.

TEMPERATURE

Highest, 61° at Perpignan, 53° at Parsonstown, and 51° at Valencia (Ireland), Scilly, Jersey, Lyons, and Nice.
Lowest, 17° at Haparanda, 24° at Hernösand, 25° at Boda, 26° at Karlstad, 27° at Stockholm, and 30° at Wick.
During yesterday the thermometer again rose to 55° and upwards in many parts of the United Kingdom, and to 60° in London.

WIND

S. or SW. over England, Ireland, and the neighbouring parts of the Continent, and strong in force on our western coasts.
Moderate to fresh from the SE. at most of the Scotch stations.
N. or NW. over Sweden, Denmark, and North Germany, with a gale at Wick. Calm or variable in the south of France.

WEATHER

Dull over our Islands, with rain or passing showers at many of our western and northern stations.
Fine over the western parts of the Continent generally, but dull at some of the German stations, and rainy at Brussels.
In the course of the past twenty four hours rain has fallen in the west and north of our Islands generally, the amounts being slight in most places, but rather large at Belmullet. A solar halo was seen yesterday at Oxford.

SEA

Rather rough on most parts of our western and extreme northern coasts, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which has appeared off our northwest coasts is likely to travel northwards. Increasing S. winds are probable in Scotland, and cloudy, showery weather over the United Kingdom generally.

FORECASTS

For the 24 hours ending at NOON on 27th MARCH 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
⍑ 0 SCOTLAND NORTH	S. winds, increasing to a gale; squally, some rain.	⍑ 6 SCOTLAND WEST	Same as Nos 0 and 1.
⍑ 1 SCOTLAND EAST		7 ENGLAND N.W.	S. winds, strong; squally, showery.
2 ENGLAND N.E.	Same as No 5.	8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH	S. winds, fresh or strong; cloudy, some showers.	WARNINGS	At 10·20 am today to districts 0, 1, and 6. "Hoist South 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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·37	42	40	NNW	8	0	4	Valencia	29·98	53	52	SSE	3	rm	4
Sumburgh Head	29·65	44	40	NNE	3	0	4	Scilly	30·12	54	52	SSW	3	f	5
Stornoway	29·72	49	46	N	3	0	3	Jersey	30·20	56	53	WSW	3	o	3
Aberdeen	29·71	49	47	NW	5	cq/f	3	Hurst Castle ...	30·12	52	50	WSW	4	cm	2
Shields	29·80	55	49	W	6	bc	2	Dungeness ...	30·05	51	49	WSW	6	o	5
Ardrossan	29·84	51	49	W	3	bc	2	North Foreland	30·03	56	51	W	5	bc	3
Malin Head ...	29·91	49	47	W	4	bc	2	London (Westminster)	30·06	59	51	WSW	2	c	*
Belmullet	29·97	51	50	WSW	2	o	*	Yarmouth ...	29·92	55	48	WNW	5	bcq/	4
Holyhead	30·02	50	47	SW	4	om	3	Rochefort ...	30·32	60	60	NW	1	bc	*

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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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 27th March, 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.65	11	NNW	2	b	29.66	+.13	-2	-3	-19	SSE	2	b	*	b	*	30	-9	-
	Hernösand ...	29.79	22	W	0	b	29.70	-.03	19	18	-5	W	0	bc	*	b	*	41	16	-
	Stockholm ...	29.88	31	W	0	b	29.74	-.01	34	32	+7	SSE	2	bc	*	b	*	36	23	-
	Wisby	29.94	32	N	4	b	29.73	+.02	31	30	+1	SE	4	0	*	b	*	32	25	-
	Karlstad ...	29.89	29	SSE	2	b	29.59	-.32	31	28	+5	NW	4	0	*	b	*	*	*	-
	Bodö	29.63	32	NW	4	c	29.61	-.05	28	26	+3	E	2	bc	1	c	*	32	23	-
	Christiansund ...	29.67	37	SE	2	b	29.30	-.58	40	35	+3	SSE	2	0	3	b	*	43	36	-
	Skudesnaes ...	29.52	35	ESE	8	0	29.20	-.65	37	36	0	E	7	0	3	c.ors	*	41	32	*
	Færder (Christiania Fjord)	29.80	33	ESE	1	0	29.43	-.52	32	32	+1	E	6	S	4	0	*	36	30	-
	Skagen (The Scaw)	29.69	36	SSE	3	0	29.31	-.63	35	34	+1	SSE	6	r	2	0	*	37	32	0.20
	Fanö	29.46	43	SSE	7	r	29.25	-.67	42	41	+4	SSW	4	r	*	r	*	46	37	0.39
	Sumburgh Head	29.13	37	ESE	7	r	29.04	-.65	44	44	+4	SE	1	0	7	r	*	44	37	0.37
	Stornoway ...	28.99	48	WSW	4	c	29.09	-.27	43	42	0	W	1	0	1	r,c	1.8	49	38	0.27
	Wick	29.02	45	S	3	c	29.08	-.39	44	44	+2	NNW	2	0	5	r.c	*	45	35	0.17
	Nairn	29.05	49	WSW	1	c	29.11	-.37	45	43	+1	WSW	1	0	1	c	*	55	35	0.05
	Aberdeen ...	29.11	49	SW	3	bc	29.14	-.49	47	44	+5	NNW	3	og	3	grq,bc	1.4	51	41	0.27
British Islands.	Leith	29.15	49	W	3	0	29.21	-.30	49	46	+3	W	4	0	*	0	*	57	44	0.08
	Shields	29.28	51	SSW	4	c	29.23	-.43	48	46	+1	SW	4	b	2	r.c	*	57	44	0.07
	Spurn Head ...	29.42	52	SW	6	bc	29.30	-.41	49	48	+3	W	6	og	4	bc,rk,bc	*	56	45	0.02
	York	29.41	54	WSW	4	c	29.33	-.41	50	47	+2	W	5	c	*	c	2.8	59	46	0.02
	Loughborough ...	29.53	53	SW	6	bc	29.48	-.30	50	46	+1	W	6	c	*	bcq,cq	*	61	49	0.01
	Ardrossan ...	29.09	47	SSE	5	mp	29.25	-.16	47	46	0	W	6	cp	4	op	*	49	45	0.43
	Malin Head ...	28.84	47	S	6	rq	29.33	+.08	46	45	-2	W	C	oqr	5	oqr	*	54	45	0.20
	Belmullet ...	29.04	50	W	10	cq	29.63	+.32	47	43	-3	WSW	3	c	*	oqr.eq	*	52	43	0.10
	Donaghadee ...	29.11	48	SW	6	oqp	29.40	-.06	48	45	+1	W	8	c	6	oqp	*	56	45	0.16
	Liverpool (Bidston)	29.37	51	SW	7	c	29.47	-.16	48	44	-2	SW	8	0	6	cp	*	56	46	0.05
	Holyhead ...	29.34	48	SSW	8	oq	29.58	-.01	49	46	+2	W	8	cqp	7	cqp.q	*	52	46	0.16
	Parsonstown ...	29.24	48	W	4	r	29.70	+.25	48	42	-5	W	2	bcq	*	bc.q.rq	5.3	53	45	0.13
	Valencia ...	29.47	51	WSW	9	oqm	29.81	+.30	50	46	-1	W	5	om	6	c,oqm	4.1	54	47	0.04
	Roche's Point ..	29.46	50	W	8	cq	29.82	+.22	48	45	-2	WNW	3	bc	4	cq	*	58	46	0.10
	Pembroke (St. Ann's Hd.)	29.52	49	WSW	7	o	29.76	+.11	48	46	0	WNW	7	b	4	bc.o	6.0	50	42	0.06
	Scilly	29.80	51	W	7	c	29.92	+.12	51	48	0	W	5	c	5	c	4.2	55	48	-
	Prawle Point ...	29.76	49	WSW	7	o	29.86	-.03	49	47	+1	WSW	7	c	6	ogr,c	*	50	46	0.02
	Jersey (St. Aubin's)	29.92	53	W	5	cmap	29.96	-.08	51	49	0	WSW	6	bc	4	o,apm	*	57	49	0.02
	Hurst Castle ...	29.72	50	WSW	7	b	29.78	-.12	50	48	+1	WSW	6	om	4	ma,b	*	51	48	-
	Dungeness ...	29.70	49	WSW	6	ou	29.66	-.29	48	47	-1	WSW	6	o	5	oq	*	53	47	-
	North Foreland	29.70	53	SW	5	bc	29.62	-.34	51	50	+1	SW	6	oq	5	o,bcq	*	56	47	-
	London (Brixton) ...	29.67	54	WSW	4	c	29.64	-.23	51	46	+1	WSW	6	c	*	o,cp.c	0.2	57	48	-
	Oxford	29.61	50	WSW	7	0	29.64	-.19	50	45	0	WSW	5	oqu	*	oq	*	57	48	-
	Cambridge ...	29.59	54	SW	6	b	29.54	-.28	52	?47	+2	WSW	6	o	*	c,bq	3.1	60	48	-
	Yarmouth ...	29.55	55	WSW	5	c	29.44	-.44	51	47	+1	WSW	7	cq	4	c,cq	*	56	45	-
Germany & Holland.	Cuxhaven ...	29.74	47	SE	5	o	29.36	-.61	45	45	+5	SW	5	r	*	o,r	*	48	40	0.24
	Berlin	29.96	43	SE	2	0	29.56	-.38	48	46	+7	W	4	c	*	0	*	50	41	0.20
	Wiesbaden ...	*	*	*	*	*	29.80	-.35	51	45	+5	W	4	c	*	*	*	57	46	-
	Munich... ..	30.06	50	SW	2	c	29.86	-.35	55	48	+7	W	1	0	*	c	*	57	48	-
	The Helder ...	29.58	48	SW	5	0	29.39	-.49	47	45	+1	SW	1	0	3	0	*	54	46	0.04
Belgium.	Brussels ...	*	*	*	*	*	29.73	-.35	47	44	-3	SW	6	0	*	b	*	63	45	-
	Cape Gris Nez...																*			
	Paris	30.05	64	SW	4	0	29.96	-.19	49	45	0	SSW	4	c	*	0	*	67	48	-
	Brest	29.98	52	SW	8	0	30.04	.00	50	48	0	W	3	0	3	0	*	54	46	-
	Lorient... ...	30.02	52	W	5	m	30.06	-.01	50	50	0	W	5	c	3	m	*	55	43	-
France &	Rochefort ...	30.15	56	W	4	bc	30.18	-.05	52	52	+2	W	3	c	*	bc	*	63	50	-
	Belfort	29.98	59	SSW	2	c	29.98	-.28	49	45	+1	WSW	6	bc	*	c	*	65	47	-
	Lyons	30.12	60	SSE	1	bc	30.10	-.14	51	48	0	N	1	bc	*	bc	*	70	49	-
	Nice	30.09	52	W	1	0	30.06	-.03	50	50	-1	W	0	0	1	0	*	57	48	-
	Perpignan ...	30.10	72	NW	1	bc	30.12	-.09	68	54	+7	NW	2	0	*	bc	*	81	59	-
	Biarritz ...	30.13	66	W	0	bc	30.18	-.01	54	52	+4	W	0	0	2	bc	*	77	50	-
Peninsula.	Corunna ...																*			
	Lisbon	30.12	71	N	4	b	30.09	-.10	66	59	+1	NNE	4	b	*	b	*	81	63	-
	Azores (P. Delgada)	30.12	61	SE	2	c	30.07	-.05	60	59	-1	SW	1	c	2	c	*	68	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 4.7 hrs; Brighton 0.5 hrs; Eastbourne 1.3 hrs; Hastings 1.5 hrs; Ventnor 0.2 hr

WEATHER CHARTS

FOR ..... Saturday, 27th March, 1897.

BAROMETER, WIND AND SEA.

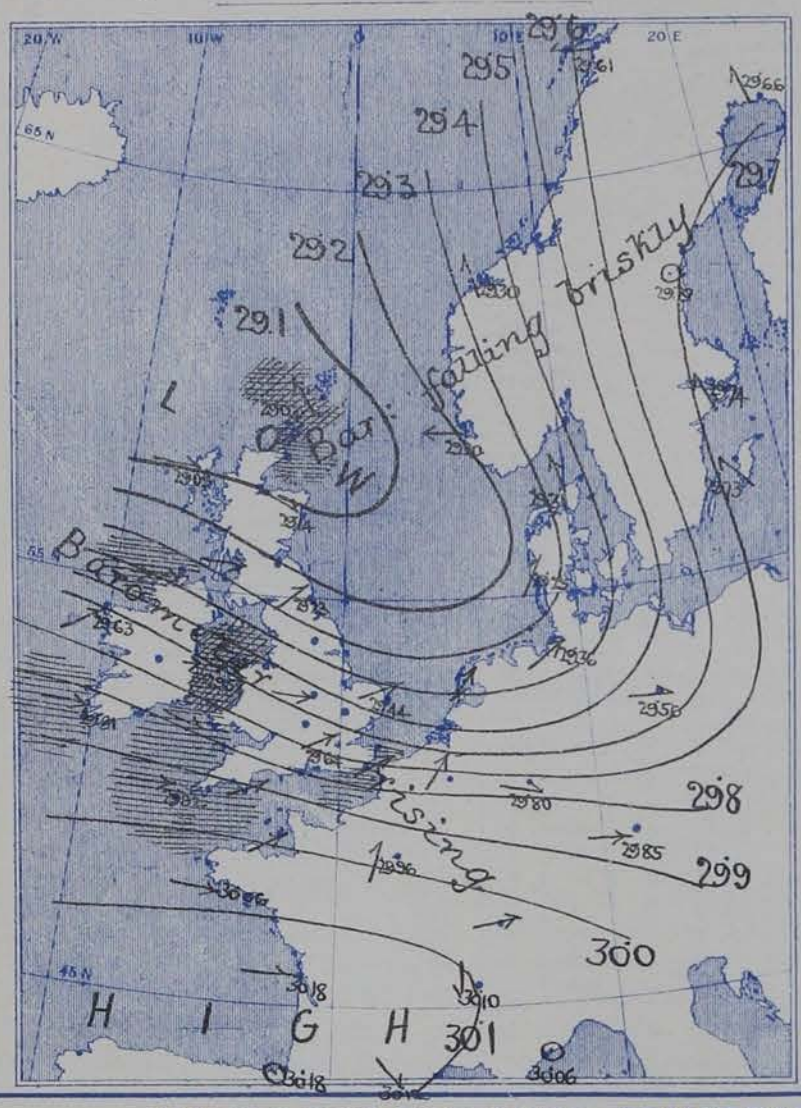
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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 ▤

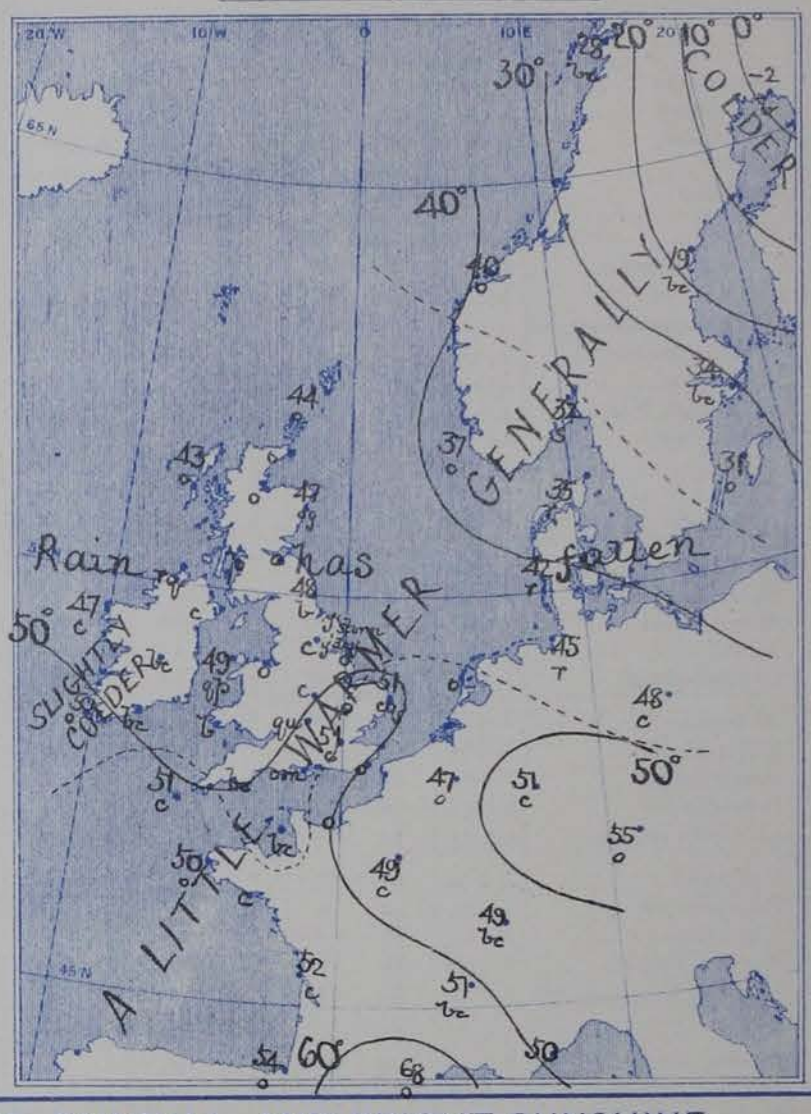


TEMPERATURE & WEATHER.

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 MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·9	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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 lying over the southern parts of France and the Bay of Biscay, and the northern parts of the Spanish Peninsula.
Lowest, 29·1 ins: and less, in a depression lying off the extreme north of Scotland and the adjacent parts of the North Sea.
Gradients rather steep over England, Ireland and the Netherlands, but moderate or slight elsewhere.
Barometer rising in our Islands and the west and north of France, falling briskly on the eastern shores of the North Sea.

TEMPERATURE

Highest, 68° at Perpignan, 66° at Lisbon, 55° at Munich, 54° at Biarritz, and 52° at Cambridge and Rochefort.
Lowest, −2 F. at Haparanda, +19° at Hernösand, 28° at Bodö, 31° at Karlstad and Wick, and 32° at Leeuwarden.
During yesterday the thermometer rose to 55° and upwards in many parts of the United Kingdom, to 60° at Cambridge, and to 61° at Loughborough.

WIND

W. over the whole of our Islands, Germany, and the west and north of France; strong in force over Ireland and England, with a gale on our northwest coasts.
Strong from the SW. over the Netherlands; SE. in Sweden; E. on the Norwegian coasts, and strong in force in the south.
During the past night a fresh to strong gale from the SW. or W. has been experienced on the English and Irish coasts.

WEATHER

Cloudy or dull over Western Europe as a whole, with passing showers on our own northwest coasts, rain in Denmark and North Germany, and snow at Leeuwarden.
Fine at several of our southwestern stations and also in Sweden.
Rain fell yesterday in the west and north of our Islands generally, but the amount was mostly small. A solar halo was seen yesterday at Oxford, and a thunderstorm occurred at Spurn Head.

SEA

High at Lowestoft Head and Holyhead, and rough or rather so on many parts of our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions which approached our northwest coasts yesterday have travelled northeastwards. The barometer is at present rising in the west, but the wind there is inclined to back again, so that the general appearance is not yet settled.

FORECASTS

For the 24 hours ending at NOON on 28TH MARCH 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
↑ 0 SCOTLAND NORTH	W. and NW. winds; cloudy, some showers.	↑ 6 SCOTLAND WEST	W. gales or strong winds, backing later; squally, some showers.
↑ 1 SCOTLAND EAST		↑ 7 ENGLAND N.W.	
↑ 2 ENGLAND N.E.	Same as No 5.	↑ 8 ENGLAND S.W.	
↑ 3 ENGLAND EAST		↑ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		↑ 10 IRELAND SOUTH	
↑ 5 ENGLAND SOUTH	W. winds, strong; fair generally, but local showers.	WARNINGS	At 0·40 pm yesterday to districts 2, 7, and 9, and at 3·20 pm to districts 3, 5, 8, and 10, Hoist South Cone. The signals are now flying on all coasts.

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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·78	41	36	SSE	7	c	5	Valencia	29·44	51	47	SW	8	0	7
Sumburgh Head	29·89	39	38	ESE	5	r	6	Scilly	29·80	53	51	SW	6	c	5
Stornoway	29·06	47	47	SW	5	0	5	Jersey	29·93	53	53	SW	4	0	3
Aberdeen	29·21	44	43	SSE	4	ogqr	6	Hurst Castle ...	29·77	50	49	SW	6	rd	3
Shields	29·33	56	52	SW	5	c	2	Dungeness ...	29·79	51	49	SW	5	0	4
Ardrossan	29·24	48	47	S	4	omp	4	North Foreland	29·74	55	54	S	6	0	5
Malin Head ...	29·10	50	48	S	7	0	4	London (Westminster)	29·70	55	52	WSW	5	0	*
Belmullet	29·06	48	47	SW	10	oqr	*	Yarmouth ...	29·63	53	51	WSW	5	c	3
Holyhead	29·46	51	49	SSW	7	cqpm	6	Rochefort ...	30·19	60	59	SW	5	b	*

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

Weather in morning cloudy over the United Kingdom generally, with rain or pattering showers at many of our western and northern stations. Fine in Scandinavia and Denmark, as well as over Spain and the southern part of France and Italy, elsewhere in all other parts of the Continent, with rain over Eastern Germany, as well as at Nicolaieff and snow in Finland. Rain falling later in the west and north of our Islands generally, but amounts mostly small. Solar halos seen at Oxford and thunderstorm occurring at Spurn Head.

Temperature fallen in the north of our Islands and also in Scandinavia, Denmark, and Germany, risen elsewhere. Morning readings highest 65° at Lisbon, 64° at Coruna, 63° at Barcelona and Tunis, and 61° at San Fernando; above 50° at some of our own southwestern stations. Lowest 15° at Moscow, 17° at Haparanda, 24° at Hernösands, and 25° at Bodö, below the freezing point over Sweden and Russia generally. Rising during day to 55° and upwards in many parts of the United Kingdom and reaching 61° at Loughborough. Exceeding 70° in the south of France and touching 81° at Perpignan and also at Lisbon.

Wind S° or SW° over Ireland, England, and the neighbouring parts of the Continent, and strong in force on our western coasts; moderate to fresh from the SE° in Scotland, and from the same quarter or from E. in the west of Norway. N° or NW° in Sweden, Denmark, and North Germany, with a gale at Wisby; W° over Eastern Germany and Austria; S° over the central and southern parts of Russia. Variable in Italy and the south of France, NE° at most of the Spanish stations. Subsequently increasing to a gale from the SE° in the east of Scotland and from the SW° or W° over Ireland and England.

Barometer highest 30·2 ins: and upwards over Algeria, Spain, and the southern parts of France and Germany; 30·0 ins: and upwards in an anticyclone embracing the greater part of central and southern Europe. Lowest 29·3 ins: and less, in a depression lying off our extreme northwest coasts; 29·4 ins: and less, in another disturbance over the Gulf of Finland. Depression in northwest subsequently moving northwards, but new and deeper disturbance approaching the north of Ireland, and afterwards travelling northeastwards 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.

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 28th March, 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.61	18	S	2	o	29.56	− .10	25	24	+ 27	SSW	2	o	#	o	#	?	−9	—
	Hernösand ...	29.60	25	S	4	b	29.56	− .14	22	20	+ 3	S	2	c	#	b	#	32	12	—
	Stockholm ...	29.59	30	E	4	b	29.49	− .25	31	28	− 3	E	2	o	#	b	#	37	25	—
	Wisby	29.50	31	SE	6	o	29.40	− .33	31	31	o	ESE	4	s	#	o	#	36	23	0.04
	Karlstad ...	29.46	32	SSE	2	s	29.45	− .14	31	30	o	NE	2	o	#	s	#	#	#	0.04
	Bodö	29.52	28	N	4	o	29.54	− .07	24	22	− 4	N	4	c	1	o	#	32	23	—
	Christiansund ...	29.33	40	SE	1	r	29.38	+ .08	37	35	− 3	ENE	4	o	3	r	#	46	37	—
	Skudesnaes ...	29.38	40	2	o	o	29.36	+ .16	35	32	− 2	SSE	8	c	5	o	#	43	32	#
	Færder (Christiania Fjord)	29.40	32	NNE	4	o	29.45	+ .02	31	30	− 1	NNE	2	o	2	o	#	32	30	0.20
	Skagen (The Scaw)	29.32	33	ENE	2	r	29.42	+ .11	33	32	− 2	NNE	1	o	o	r	#	36	32	0.24
	Fanö	29.37	39	WSW	6	o	29.43	+ .18	38	36	− 4	2	o	o	#	o	#	45	37	0.16
	Sumburgh Head	29.14	44	SW	2	o	28.98	− .06	41	39	− 3	SW	3	c	4	o	#	46	39	0.07
	Stornoway ...	29.25	46	WNW	3	o	29.21	+ .12	40	39	− 3	N	3	c	3	r,o	1.4	50	36	0.16
	Wick	29.21	47	NW	3	o	29.11	+ .03	41	41	− 3	NW	3	o	3	o	#	50	38	0.02
	Nairn	29.24	47	WSW	3	c	29.17	+ .06	43	42	− 2	W	1	r	1	c	#	54	37	0.01
	Aberdeen ...	29.26	49	WSW	4	opq	29.17	+ .03	43	40	− 4	SW	1	org	2	cp.op	0.1	53	39	0.08
	Leith	29.31	47	W	4	bc	29.18	− .03	34	34	− 15	SW	1	rs	#	bc	#	54	33	0.30
	Shields	29.46	48	WSW	4	c	29.42	− .11	42	42	− 6	ESE	3	r	2	r,c,r	#	53	41	0.20
	Spurn Head ...	29.56	48	W	6	bcq	29.47	− .13	45	45	− 4	S	4	r	4	bcq	#	50	44	0.12
	York	29.58	49	W	4	bc	29.14	− .19	46	45	− 4	S	2	r	#	bc	7.2	53	42	0.15
	Loughborough ...	29.68	49	W	3	c	29.23	− .25	47	46	− 3	S	5	rq	#	bcq, oa	#	56	44	0.25
British Islands.	Ardrossan ...	29.45	46	W	5	cp	29.13	− .12	36	36	− 11	2	o	rm	0	o,cp	#	48	35	0.27
	Malin Head ...	29.49	45	W	5	cm	29.19	− .14	39	39	− 7	N	3	r	2	cm,r	#	48	37	0.42
	Belmullet ...	29.60	45	SW	2	cm	29.27	− .36	43	42	− 4	N	2	c	#	c, cm	#	50	39	0.82
	Donaghadee ...	29.56	49	W	5	bcm	29.05	− .35	45	45	− 3	W	2	r	o	bc.r	#	52	40	0.61
	Liverpool (Bidston)	29.62	49	WSW	6	o	29.11	− .36	46	45	− 2	SE	3	r	3	o	#	52	44	0.20
	Holyhead ...	29.64	47	SW	4	cm	29.08	− .50	48	47	− 1	SW	6	rfq	5	cpm.cm	#	53	44	0.62
	Parsonstown ...	29.64	46	2	o	r	29.13	− .57	42	41	− 6	NW	3	cr	#	b. gr	5.7	53	42	0.30
	Valencia ...	29.55	49	SSE	6	rgm	29.26	− .35	46	42	− 5	NNW	7	og	5	rgm	0.0	51	44	0.83
	Roche's Point ..	29.66	49	SSW	5	bm	29.17	− .65	52	51	+ 4	W	4	p	4	bm,r	#	52	48	0.40
	Pembroke (St. Ann's Hd.)	29.76	47	WSW	5	r	29.15	− .61	49	49	+ 1	WSW	7	r	5	r	1.0	49	45	0.61
	Scilly	29.83	50	SSW	3	bl	29.36	− .56	52	52	+ 1	SW	6	m	5	cm,bl	5.2	55	49	0.15
	Prawle Point ...	29.85	46	WSW	5	r	29.39	− .47	49	48	o	SSW	6	cr	5	c,rm	#	51	46	0.19
	Jersey (St. Aubin's)	29.93	52	W	5	cgm	29.53	− .43	52	51	+ 1	SSE	5	og	4	b,cgm	#	54	48	—
	Hurst Castle ...	29.83	49	WSW	5	cm	29.42	− .36	50	49	o	SSW	5	cm	3	bcm, cm	#	55	47	0.08
	Dungeness ...	29.77	48	WSW	6	c	29.46	− .20	48	46	o	SSW	4	o	3	c	#	52	46	0.03
	North Foreland	29.74	53	W	5	oq	29.46	− .16	48	46	− 3	S	4	o	4	c.oq	#	56	45	0.06
	London (Brixton) ...	29.79	51	WSW	3	c	29.41	− .23	49	47	− 2	SW	5	opq	#	cq,bc,opq	3.0	56	45	0.08
	Oxford	29.75	47	WSW	4	c	29.29	− .35	48	47	− 2	S	4	oq	#	c. p.	#	56	45	0.40
	Cambridge ...	29.72	52	WSW	3	o	29.36	− .18	47	46	− 5	S	2	r	#	c,o	4.0	58	44	0.13
	Yarmouth ...	29.61	53	WNW	5	cq	29.40	− .04	46	45	− 5	SSW	4	r	4	bcq, cr	#	55	44	0.07
Germany & Holland.	Cuxhaven ...	29.34	45	WSW	7	r	29.49	+ .13	45	44	o	W	3	bc	#	r	#	48	43	0.08
	Berlin	29.50	48	SW	5	r	29.54	− .02	46	42	− 2	W	5	o	#	r	#	52	45	0.24
	Wiesbaden ...	#	#	#	#	#									#	#	#			
	Munich... ..	29.90	51	W	4	o	29.82	− .03	45	44	− 10	W	4	r	#	o	#	59	45	0.04
	The Helder ...	29.58	47	W	7	c	29.51	+ .12	46	45	− 1	SW	3	o	1	c	#	48	45	0.04
Belgium.	Brussels ...	#	#	#	#	#	29.62	− .11	46	45	− 1	SSE	4	o	#	o	#	53	44	—
	Cape Gris Nez...	29.77	48	W	6	o	29.55		46	45		S	5	o	5	o	#	54	43	0.08
	Paris	29.94	51	WSW	3	b	29.73	− .23	48	46	− 1	SSE	2	c	#	b	#	61	47	—
	Brest	29.94	51	S	3	o	29.55	− .49	51	50	+ 1	SW	4	o	4	o	#	54	48	—
	Lorient... ...	29.99	50	WSW	4	c	29.68	− .38	51	50	+ 1	SSW	4	b	4	c	#	57	48	—
France &	Rochefort ...	30.10	57	W	1	bc	29.67	?.1	53	53	+ 1	S	4	c	#	bc	#	63	52	—
	Belfort	29.95	51	WSW	6	o	29.82	− .16	48	45	− 1	W	3	o	#	c	#	59	46	—
	Lyons	30.03	60	E	1	bc	29.87	− .23	50	47	− 1	SSE	1	c	#	bc	#	68	45	—
	Nice	29.91	54	2	o	c	29.90	− .16	49	48	− 1	2	o	c	1	c	#	63	48	—
	Perpignan ...	30.03	67	E	1	b	29.89	− .28	54	52	− 14	2	o	b	#	b	#	84	49	—
	Biarritz ...	29.97	60	NE	3	o	29.77	− .41	68	56	+ 14	S	3	b	5	o	#	64	55	—
Penin-sula.	Corunna ...	30.06	63	NW	2	b	29.83	− .33	62	53	+ 10	S	3	f	3	b	#	64	50	—
	Lisbon	30.01	71	WNW	3	bc	29.96	− .13	68	59	+ 2	SSW	2	c	#	bc	#	82	64	—
	Azores (P. Delgada)	30.06	62	WSW	2	c	30.07	.00	62	62	+ 2	WSW	4	o	3	c	#	66	59	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 6.2 hrs; Brighton 4.5 hrs; Eastbourne 2.8 hrs; Hastings ? hrs; Kentnor ? hrs.

WEATHER CHARTS

FOR SUNDAY, 28TH MARCH, 1897.

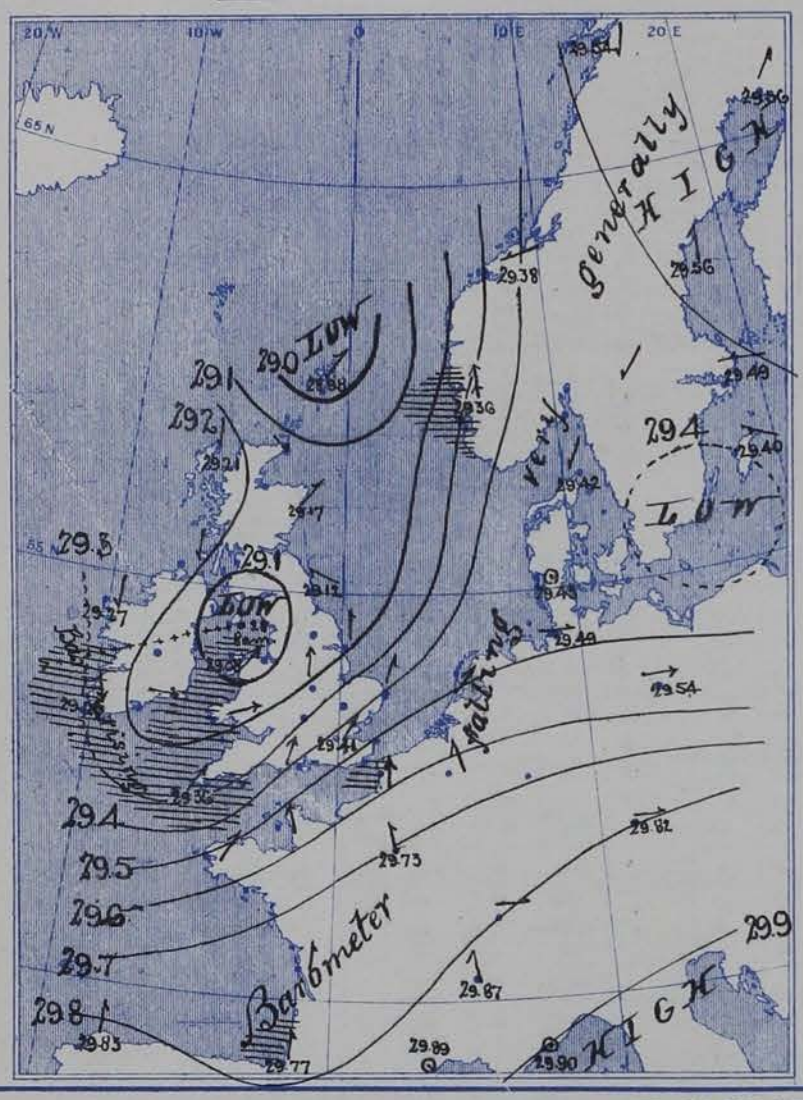
BAROMETER, WIND AND SEA.

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

WIND—Arrows shew 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*

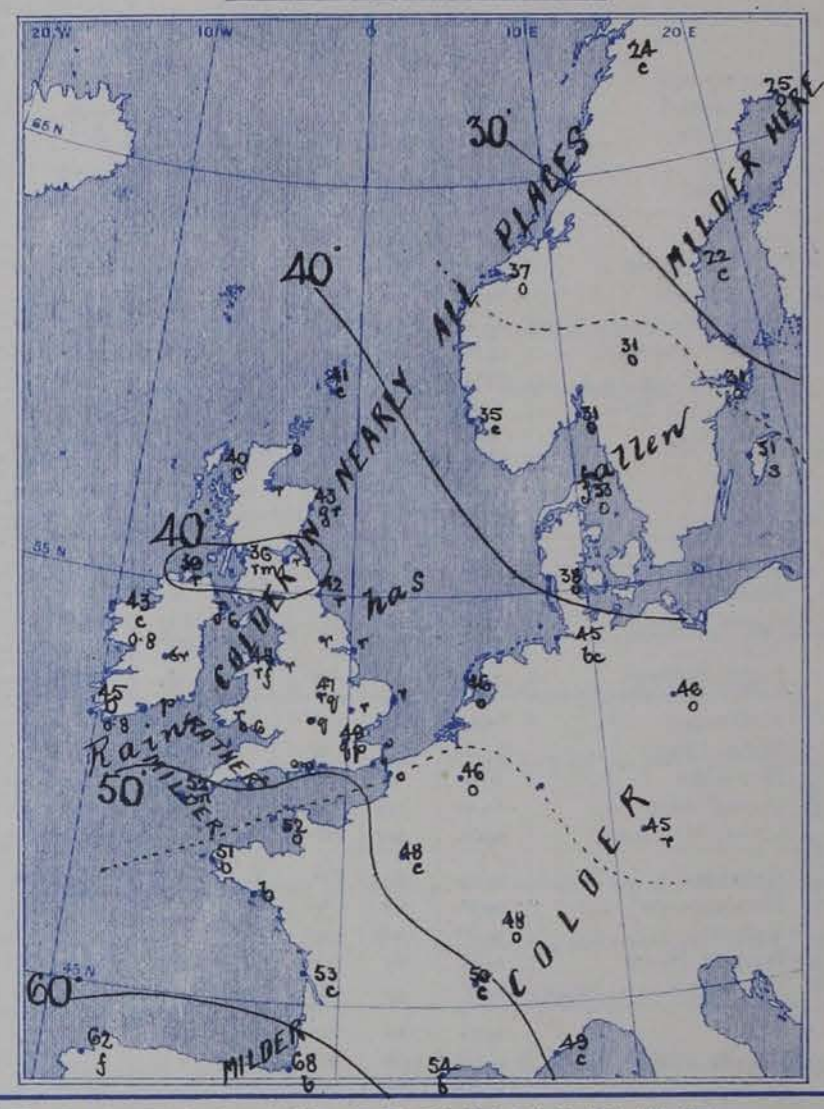


TEMPERATURE & WEATHER.

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 MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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 · 737	38 · 5	37 · 0	42 · 8	34 · 0	57	1893	18	1879	2 · 75	—	—
Stornoway	29 · 772	39 · 2	38 · 2	44 · 9	34 · 2	58	1872	13	1881	3 · 70	103 · 3	29
Wick	29 · 781	38 · 9	37 · 2	44 · 9	33 · 8	62	1894	15	1891	1 · 99	—	—
Nairn	29 · 802	37 · 9	36 · 2	45 · 9	33 · 4	65	1884	6	1892	1 · 68	—	—
Aberdeen	29 · 821	38 · 6	36 · 5	45 · 7	34 · 3	66	1889, 91, 92	10	1889	2 · 23	124 · 0	34
Leith	29 · 849	39 · 3	37 · 6	48 · 0	34 · 4	68	1884	19	1879, 81, 89	1 · 41	—	—
Shields	29 · 873	39 · 3	37 · 7	46 · 2	34 · 8	64	1884, 93	15	1889	1 · 74	—	—
Spurn Head	29 · 891	39 · 7	38 · 3	44 · 8	36 · 4	62*	1890, 93	24*	1886	1 · 19	—	—
York	29 · 904	38 · 5	36 · 9	48 · 4	33 · 8	68	1884, 92, 93	8	1883	1 · 66	109 · 1	30
Loughborough	29 · 931	38 · 6	36 · 9	49 · 8	33 · 8	69*	1884, 93	15*	1883	1 · 54	—	—
Ardrossan	29 · 861	40 · 1	38 · 6	46 · 4	36 · 1	63	1884	18	1891	2 · 30	—	—
Malin Head	29 · 842	41 · 0	39 · 3	46 · 5	38 · 5	—	—	—	—	—	—	—
Belmullet	29 · 882	43 · 2	41 · 4	48 · 4	39 · 3	—	—	—	—	3 · 80	—	—
Donaghadee	29 · 883	40 · 7	39 · 5	47 · 3	37 · 1	65	1874	25	1892	1 · 97	—	—
Holyhead	29 · 906	42 · 0	40 · 5	47 · 4	38 · 8	67	1894	27	1881	2 · 20	—	—
Liverpool	29 · 911	40 · 2	38 · 1	47 · 2	36 · 7	66	1871	21	1886	1 · 67	—	—
Parsonstown	29 · 925	40 · 1	38 · 6	49 · 9	34 · 9	66	1894	18	1891	2 · 20	114 · 7	32
Valencia	29 · 929	44 · 8	42 · 8	51 · 0	40 · 3	64	1871, 94	27	1886, 91, 92	3 · 87	135 · 3	37
Roche's Point	29 · 930	43 · 3	41 · 5	49 · 7	39 · 5	60	1895	27	1890	3 · 38	—	—
Pembroke	29 · 930	42 · 1	40 · 4	46 · 6	39 · 0	58	1872	26	1888	2 · 26	139 · 9	38
Scilly	29 · 946	46 · 0	44 · 1	49 · 5	42 · 3	59	1893	30	1883, 90, 91	2 · 28	—	—
Prawle Point	29 · 960	42 · 7	41 · 2	48 · 2	37 · 7	62*	1893, 95	23*	1883, 88, 90	1 · 88	—	—
Jersey	29 · 965	44 · 0	41 · 9	49 · 7	39 · 8	66	1871, 93, 94	21	1890	2 · 24	160 · 2	44
Hurst Castle	29 · 955	41 · 0	39 · 9	47 · 9	37 · 1	62	1877	21	1887	1 · 78	—	—
Dover	29 · 936	40 · 6	39 · 2	46 · 5	36 · 6	59	1894	13	1890	1 · 74	—	—
LONDON	29 · 949	40 · 0	38 · 1	50 · 1	35 · 2	71	1871	15	1890	1 · 43	72 · 3†	20†
Oxford	29 · 951	38 · 7	37 · 2	49 · 3	34 · 5	67	1884, 93	15	1891	1 · 50	119 · 7	33
Cambridge	29 · 941	38 · 8	37 · 4	50 · 6	32 · 9	70	1893, 94	14	1889, 90	1 · 34	127 · 4	35
Yarmouth	29 · 916	40 · 1	38 · 5	45 · 2	35 · 3	62	1884, 89	18	1892	1 · 73	—	—

* 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. 799 m.m. and upwards in the south of Portugal and also over the Gulf of Genoa.
Lowest. 290 m.m. and less, in a depression lying near the Shetlands; 291 m.m. and less, in a secondary system over the Irish Sea; 294 m.m. and less, in a shallow depression over the Baltic.
Gradient rather steep over the southern parts of England, but moderate or slight elsewhere.
Barometer falling over Western Europe, as a whole, but rising again in the west of Ireland; rising in Denmark and North Germany.

TEMPERATURE

Highest, 68° at Biarritz, 54° at Perpignan, 53° at Rochefort, and 52° at Roche Point, Scilly, and Jersey.
Lowest, 22° at Hammerfest, 24° at Bodö, 25° at Haparanda, and 31° at Stockholm, Visby and Karlstad, lowest in our Islands 34° at Leith.
During yesterday the thermometer rose to 55° and upwards in many parts of England and to 58° at Cambridge.

WIND

N' or NW' on our extreme western and northern coasts, and strong in force at Valencia (Ireland)
Strong from the SW. over Wales and the southwest of England; moderate from the S. in other parts of England and also over Germany, the Netherlands.
W' in Germany, calm or variable over Denmark, E' or NE' in the south of Sweden, strong to a gale from the S. at Skudesnaes.

WEATHER

Cloudy and unsettled over Western Europe generally, with rain in many parts of the United Kingdom, sleet at Leith, and snow at Visby. Fine in the south of France.
In the course of the past twenty-four hours rain has fallen over nearly the whole of northwestern Europe, — heavily at many of our own western stations. A solar halo was seen yesterday at Oxford.

SEA

Rather rough on several parts of our western coasts, as well as at Cape Finisterre, Biarritz, and Skudesnaes, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 29TH MARCH 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	None Issued
1	SCOTLAND EAST	
⍋ 2	ENGLAND N.E.	
⍋ 3	ENGLAND EAST	
4	MIDLAND COUNTIES	
⍋ 5	ENGLAND SOUTH	
6	SCOTLAND WEST	
⍋ 7	ENGLAND N.W.	
⍋ 8	ENGLAND S.W.	
⍋ 9	IRELAND NORTH	
⍋ 10	IRELAND SOUTH	
	WARNINGS	At 3.50 pm yesterday to districts 0. 1. and 6 "Lower Cone". The signals are still flying on our other coasts.

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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.23	43	39	ENE	3	o	3
Sumburgh Head	29.10	45	44	SSW	2	o	6
Stornoway	29.16	49	47	NW	3	r	3
Aberdeen	29.22	49	47	S	2	cp	3
Shields	29.35	52	48	SW	5	bc	2
Ardrossan	29.42	47	46	W	5	o	4
Malin Head ...	29.46	49	45	W	7	c	5
Belmullet	29.65	50	46	W	3	c	*
Holyhead	29.68	50	46	WSW	5	cpm	4
Valencia	29.73	47	45	WSW	2	rg	4
Scilly	29.90	51	50	SSW	4	om	5
Jersey	29.98	54	51	W	7	b	5
Hurst Castle ...	29.82	52	50	SW	5	bcm	3
Dungeness ...	29.73	50	48	WSW	6	c	5
North Foreland	29.70	55	49	W	6	c	5
London (Westminster)	29.73	58	50	W	4	c	*
Yarmouth ...	29.55	55	49	WNW	6	bcq	4
Rochefort ...	30.17	60	57	WNW	2	c	*

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 passing showers on our more northwest coasts, steady rain in many parts of Denmark and Germany, and snow at Tonder and Archangel. Fine in the southwest of our Islands, as well as in Sweden, Finland, Spain, and the south of Italy. Rain falling later over nearly the whole of northwestern Europe, - heavily in Ireland and Wales. Solar halo seen at Oxford.

Temperature rose in the western and central countries, but fallen elsewhere. Morning readings 68° at Perpignan, 67° at Barcelona, 66° at Lisbon, and 62° at Algiers; above 55° at most of the Mediterranean and Spanish coast stations, and above 50° in some parts of the east and south of England. Lowest -2 F. at Ukeaby and Karesuando, +15° at Haugesund and Helsingfors, and 18° at Moscow; below the freezing point in most parts of Russia and Scandinavia. Rising during day to 55° and upwards at many of the English stations, reading 60° over France and reaching 82° at Lisbon, and 84° at Perpignan.

Wind strong from the W.ly or SW.ly over Ireland, England, the Netherlands, and Germany, with a gale on our northwest coasts; light or moderate from the W.ward in Scotland, SE over Sweden, Denmark, and the Baltic; E in Norway and strong in force in the south. Calm in Austria; variable in Italy and also in the south of Russia; NE on the Portuguese coasts. Wind moderating later over England and Ireland, and backing to the S.ward on our extreme west and southwest coasts.

Barometer highest, 30.1 in: and upwards, in an anticyclone embracing the greater part of southern Europe. Lowest 29.0 in: in a depression lying off the north of Scotland, with a secondary system over the North Sea. Main depression partially filling up later, but secondary system becoming more clearly developed and passing on to Denmark. New disturbance appearing off the Irish 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.

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 29th March, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.54	20	S	2	b	29.42	-.14	26	26	+ 1	SE	2	0	#	b	#	28	7	-
	Hernösand ...	29.46	26	S	2	0	29.27	-.29	28	27	+ 6	E	2	0	#	0	#	30	12	-
	Stockholm ...	29.38	31	E	0	0	29.13	-.36	34	34	+ 3	SE	2	S	#	0	#	34	27	-
	Wisby	29.38	33	SE	4	0	29.11	-.29	35	34	+ 4	SE	4	0	#	0	#	35	27	-
	Karlstad ...	29.33	33	ENE	4	0	28.89	-.56	32	31	+ 1	E	6	S	#	0	#	#	#	0.04
	Bodö	29.36	23	E	0	c	29.27	-.27	24	23	0	NE	1	S	1	c	#	25	19	-
	Christiansund ...	29.20	34	NE	8	s	29.06	-.32	31	30	- 6	NE	9	S	5	s	#	39	30	0.04
	Skudesnaes ...	29.07	33	E	6	0	28.72	-.64	33	33	- 2	N	6	S	2	0.rs	#	37	32	#
	Færder (Christiania Fjord)	29.26	33	E	2	0	28.75	-.70	33	33	+ 2	ENE	4	0	3	0	#	34	31	-
	Skagen (The Scaw)	29.05	35	SSE	6	r	28.66	-.76	39	39	+ 6	S	4	f	1	r	#	39	32	0.39
	Fanö	28.87	44	S	4	r	28.77	-.66	41	39	+ 3	NNW	6	e	#	r	#	46	37	0.47
	Sumburgh Head	28.84	41	S	1	r	29.22	+.24	30	28	- 11	N	6	bc	7	r.s	#	44	29	0.15
	Stornoway ...	29.28	39	N	8	ohqqp	29.49	+.28	33	33	- 7	N	4	0	5	ohqqp	4.3	43	30	0.12
	Wick	28.95	37	N	9	r	29.31	+.20	34	34	- 7	N	7	cu	5	r.sp	#	44	33	0.10
	Nairn	29.12	39	NNW	4	0	29.41	+.24	33	32	- 10	NNW	5	osp	5	0	#	45	30	0.07
	Aberdeen ...	28.99	38	NW	9	cqpu	29.24	+.07	35	33	- 8	N	9	cq	6	qp.rsp	1.0	44	34	0.43
	Leith	29.16	41	WSW	1	0	29.37	+.19	41	36	+ 7	NNW	3	b	#	ors	#	42	33	0.43
	Shields	29.00	39	NNW	3	or	29.25	+.13	38	35	- 4	NNW	4	bc	4	or	#	44	35	0.33
	Spurn Head ...	28.90	48	W	6	cq	29.22	+.05	40	38	- 5	NNW	6	oq	5	cq	#	54	38	0.14
	York	28.97	43	NNW	3	0	29.29	+.15	39	34	- 7	NNW	3	b	#	or.p	0.2	55	35	0.19
	Loughborough ...	29.09	44	W	5	0	29.38	+.15	39	35	- 8	W	5	bq	#	pqrbc	#	50	35	0.18
British Isles.	Ardrossan ...	29.11	48	NW	3	bp	29.40	+.27	40	39	+ 4	NW	4	b	3	p	#	50	34	0.08
	Malin Head ...	29.30	43	NNW	7	c	29.52	+.33	38	35	- 1	NNW	5	ohp	3	bc.qr	#	44	35	0.04
	Belmullet ...	29.46	46	N	4	bc	29.63	+.36	41	38	- 2	ENE	2	o	#	bc	#	49	36	0.04
	Donaghadee ...	29.21	44	NW	6	bc	29.47	+.42	40	35	- 5	NNW	7	c	5	bc	#	46	36	0.12
	Liverpool (Bidston)	29.13	43	W	7	0	29.42	+.31	40	35	- 6	NNW	7	bc	6	or	#	52	38	0.13
	Holyhead ...	29.19	45	NW	5	cp	29.51	+.43	40	37	- 8	NW	7	cq	6	cp	#	48	37	0.09
	Parsonstown ...	29.35	47	NNW	2	b	29.62	+.49	36	34	- 6	NW	1	b	#	b,p	5.2	52	32	0.02
	Valencia ...	29.48	48	NNW	6	bc	29.61	+.35	43	41	- 2	NNE	1	bc	3	bc	6.5	50	39	-
	Roche's Point ..	29.38	48	NNW	5	b	29.66	+.49	42	40	- 10	NW	1	b	3	q,b	#	52	36	0.02
	Pembroke (St. Ann's Hd.)	29.29	45	NW	5	b	29.59	+.44	42	39	- 7	NNW	5	b	4	o,b	1.5	49	41	0.06
	Scilly	29.33	47	NNW	5	c	29.62	+.26	47	44	- 5	NNW	3	c	4	c	2.4	55	44	-
	Prawle Point ...	29.31	47	WNW	4	0	29.61	+.22	43	40	- 6	NNW	4	bc	3	mp.c	#	50	36	0.02
	Jersey (St. Aubin's)	29.36	53	WSW	5	oq	29.61	+.08	47	44	- 5	NW	4	bm	3	op.oq	#	56	44	0.03
	Hurst Castle ...	29.23	50	SW	6	o	29.51	+.09	43	40	- 7	W	5	b	3	op2	#	50	39	0.01
	Dungeness ...	29.21	49	SW	6	a	29.40	-.06	42	39	- 6	NNW	5	bc	4	o,a	#	53	37	0.02
	North Foreland	29.17	53	SW	7	o	29.35	-.11	42	41	- 6	W	7	bq	6	o,b	#	56	40	0.08
	London (Brixton) ...	29.14	53	WSW	4	c	29.43	+.02	41	37	- 8	NW	5	bc	#	cq.or.bv	0.5	57	40	0.12
	Oxford	29.21	44	N	4	0	29.45	+.16	40	35	- 8	NW	3	b	#	oqp.c	#	57	38	0.05
	Cambridge ...	29.07	54	WSW	6	c	29.37	+.01	40	37	- 7	NW	5	b	#	oqp.c	0.0	58	36	0.04
	Yarmouth ...	29.05	55	SW	5	cq	29.23	-.17	40	36	- 6	NNW	6	cq	4	cq	#	56	36	0.15
Germany & Holland.	Cuxhaven ...	29.12	45	S	5	r	28.93	-.56	42	41	- 3	W	6	bc	#	r	#	52	41	0.35
	Berlin	29.40	47	SW	2	r	29.08	-.46	49	48	+ 3	SW	4	b	#	r	#	52	45	0.20
	Wiesbaden ...	*	*	*	*	*	29.19		51	46		W	4	o	#	*	#	59	46	0.04
	Munich	29.55	49	SW	3	b	29.33	-.49	52	49	+ 7	SW	5	r	#	b	#	57	43	0.16
	The Helder ...	29.04	48	SW	7	bc	29.08	-.43	42	38	- 4	W	8	r	4	bc	#	50	41	0.20
Belgium.	Brussels ...	*	*	*	*	*	29.32	-.30	43	41	- 3	WNW	6	bc	#	o	#	67	41	0.20
	Cape Gris Nez ...	29.22	51	W	6	c	29.36	-.19	42	38	- 4	NW	5	bc	5	c	#	54	39	-
	Paris	29.41	46	SW	4	0	29.45	-.28	45	42	- 3	WNW	5	bc	#	o	#	73	43	0.12
	Brest	29.37	52	SW	3	0	29.65	+.10	48	46	- 3	WNW	3	c	3	o	#	52	43	-
	Lorient	29.33	53	SW	5	m	29.66	-.02	47	45	- 4	NW	5	bc	4	m	#	59	43	-
France &	Rochefort ...	29.69	59	W	4	c	29.68	?	49	47	- 4	NNW	5	c	#	c	#	66	46	-
	Belfort ...	29.42	65	SSW	2	c	29.36	-.46	48	47	0	SW	3	r	#	c	#	71	48	0.28
	Lyons ...	29.54	67	SW	1	c	?	?	52	49	+ 2	SW	2	o	#	c	#	76	50	0.28
	Nice	29.76	51	SE	1	b	29.55	-.35	49	49	0	E	0	0	1	b	#	64	48	-
	Perpignan ...	29.65	59	NE	1	0	29.64	-.25	59	52	+ 5	NW	5	b	#	0	#	71	53	-
	Biarritz ...	29.63	64	E	0	0	29.77	.00	55	52	- 13	W	5	0	5	b,l	#	73	54	-
Peninsula.	Corunna ...																#			
	Lisbon	30.02	61	NNW	2	0	30.03	+.07	59	53	- 9	NNW	4	b	#	0	#	72	55	-
	Azores (P. Delgada)	30.14	63	W	3	0	30.20	+.13	61	56	- 1	NNW	1	c	2	0	#	68	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; Brighton ? hrs; Eastbourne 0.0 hrs; Hastings 0.0 hrs; Ventnor 0.

WEATHER CHARTS

FOR Monday, 29th March, 1897.

BAROMETER, WIND AND SEA.

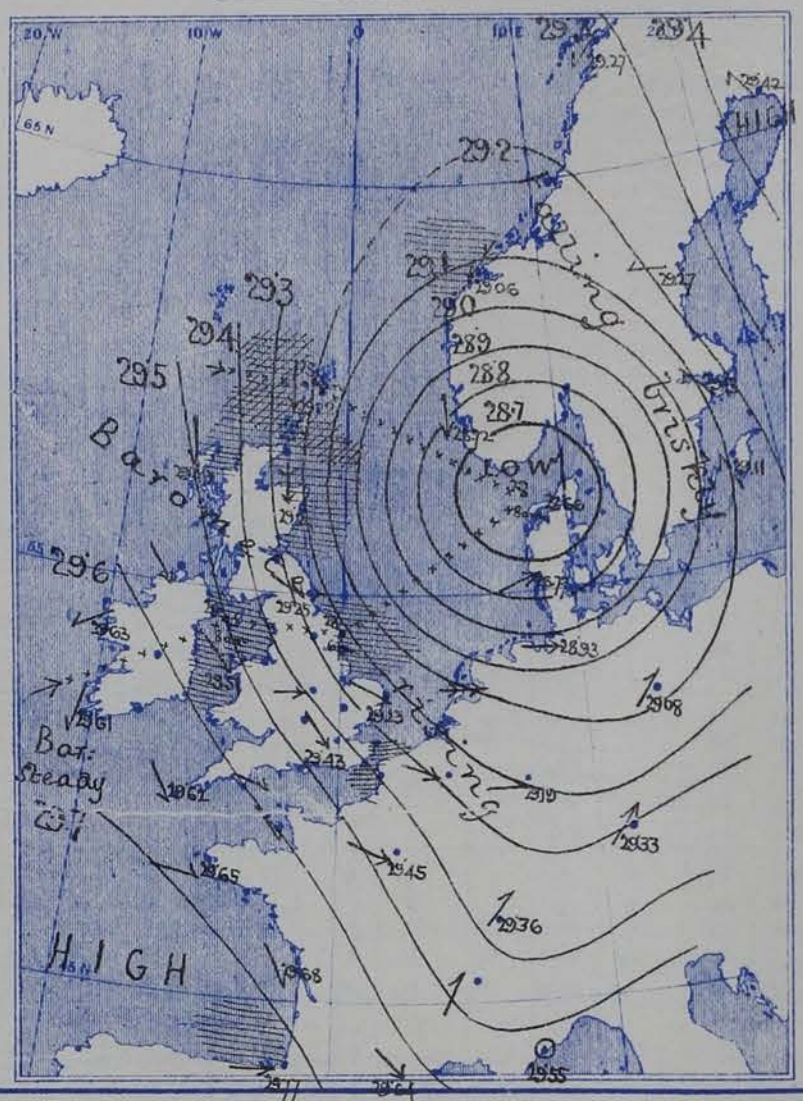
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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

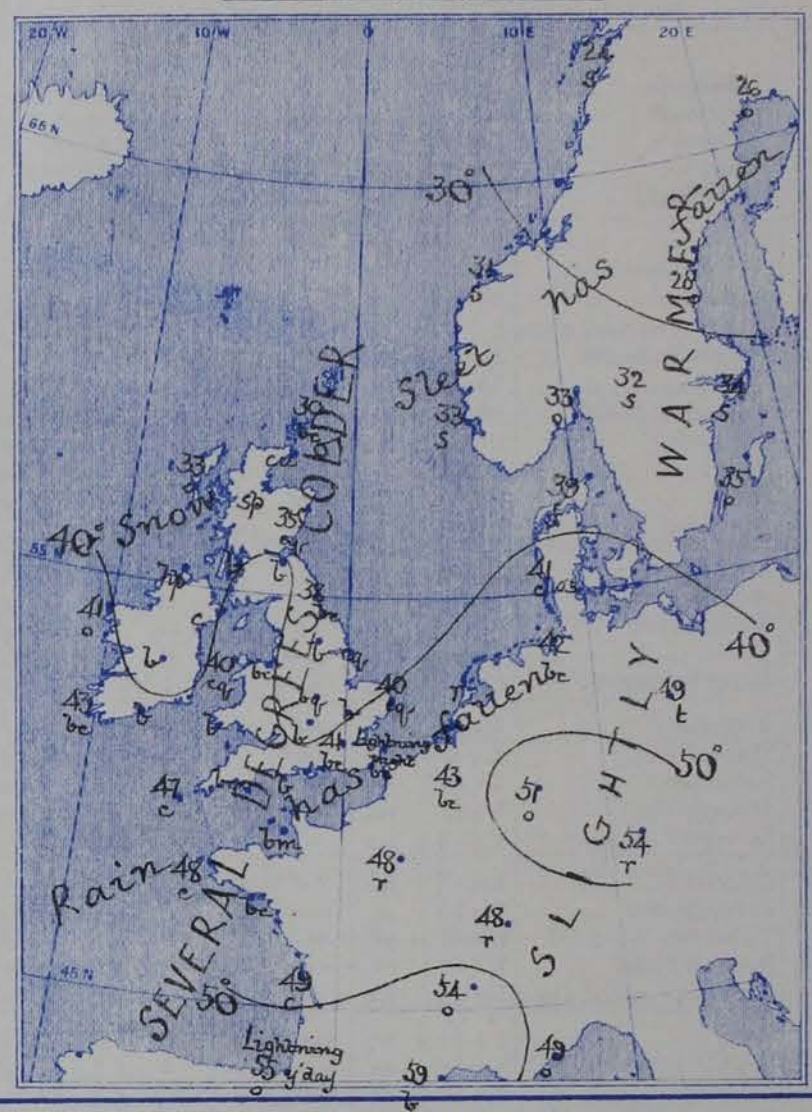


TEMPERATURE & WEATHER.

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 MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means. 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1870	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5	—	—	—	—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3	—	—	—	—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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 the Spanish Peninsula, the Bay of Biscay, and the southwest of France.

Lowest, 28·7 ins: and less, in a well marked depression lying off the south of Norway.

Gradients steep or rather so over the North Sea and the neighbouring parts of our Islands and the Continent, moderate or slight elsewhere.

Barometer rising in most parts of the United Kingdom and also in the west of France, but steady at Valencia (Ireland); falling in Scandinavia Denmark and Germany.

TEMPERATURE

Highest, 59° at Perpignan, 55° at Biarritz, 52° at Munich and Lyons, 51° at Wiesbaden, and 49° at Berlin, Rochefort, and Nice.

Lowest, 24° at Bodö, 26° at Haparanda, 30° at Lerwick, Head, 31° at Christiansund, 32° at Valentiad, and 33° at Fanden, Pendennis, Stornoway & Nairn.

Frost occurred last night in the north of Scotland and Central Ireland, and, on the ground, over Central England also.

WIND

Strong to a gale from the N.W. in the north of Scotland: strong from the N.W. or W.N.W. in most other parts of our Islands and also over France and the Netherlands.

Moderate to strong from the S.W. in Denmark and Germany; E. or S.E. in Sweden, N.E. in Norway, with a gale at Christiansund.

Light from the N.E. at Belmullet and Valencia.

WEATHER

Fine over the greater part of England and Ireland, but cloudy in the north of Scotland, with snowshowers at Nairn.

Dull at most of the Continental stations, with rain in several parts of France, Germany, and the Netherlands, and snow over Norway and the south of Sweden. Thunder is reported at Berlin.

Rain fell yesterday in nearly all parts of Western Europe, and snow or sleet in Scotland. Lightning was seen at the North Foreland at night.

SEA

High at Lerwick Head, and rough or rather so on our northwest, north and east coasts generally, as well as at C. Gris Nez and Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the south of Norway is likely to move away to the eastward. On our extreme western coasts, however, there are some indications of the advance of another disturbance from the Atlantic.

FORECASTS

For the 24 hours ending at NOON on 30th MARCH, **1897.**

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N.W. winds, strong to a gale, subsiding later; squally and showery then fair.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	N.W. winds, moderating gradually; some showers at first then fair. Frost at night.
6	SCOTLAND WEST	N.W. winds, moderating and backing later; fair generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Wind shifting to the S.W.; fine at first, some rain later.
9	IRELAND NORTH	Same as Nos. 6 and 7.
10	IRELAND SOUTH	Same as No. 8.
	WARNINGS	At 7·10 pm yesterday to districts 6. 7. 9. and part of 8. "HOIST NORTH 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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·22	37	35	SSE	6	o	4
Sumburgh Head							
Stornoway	29·24	43	40	N	7	ohqr	8
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29·21	44	42	NNW	5	bc	3
Belmullet	29·36	48	46	NNW	4	bc	*
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia							
Scilly							
Jersey	29·40	55	52	NNW	6	o	6
Hurst Castle ...							
Dungeness ...	29·27	51	50	SW	5	o	4
North Foreland	29·24	55	53	SW	6	o	5
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29·69	64	59	SW	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 21st to the 27th MARCH 1897.

Throughout nearly the whole of this period cyclonic systems continued to advance in quick succession from the Atlantic, and although the weather in the southeastern parts of the Kingdom was mostly fair and dry, the conditions in the west and north were extremely changeable, with frequent falls of rain and occasional gales from between S. and W.

The most important depressions observed were:—

(1) A well marked and rather deep system which advanced northeastwards to the north of Scotland on the night of the 22nd and which afterwards passed on to the south of Sweden, where it gradually dispersed. In the course of its progress moderate S' and SW' gales were experienced on many parts of our western coasts, and gales from between W. and N. in Scotland, with rain in the west and north generally.

(2) A rather deeper disturbance which moved in a very similar track on the 24th and 25th, and which occasioned fresh W' gales on many parts of our northern coasts.

(3) Two depressions which advanced to our extreme northwest coasts on the 26th and which afterwards travelled northeastwards across Scotland. The passage of this was accompanied by slight SE' gales in the east of Scotland, and by fresh to strong SW' to W' gales over the whole of Ireland and England, with rain in the west and north generally, showers in most other parts, and a thunderstorm at Spurn Head. At the close of the week there were indications of the advance of another disturbance from the westward.

Temperature was high for the time of year, the daily maxima being frequently above 55° in nearly all parts of the Kingdom, and occasionally above 60° at some of the English stations. At Cambridge on the 21st, and in London on the 23rd the thermometer rose to 64°.

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 30th March, 1897.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.37	32	SE	2	o	29.35	—·07	28	27	+ 2	SE	2	be	*	o	*	36	5	—
	Hernösand ...														*		*			
	Stockholm ...	28.84	36	SE	4	o	28.80	— ·33	36	34	+ 2	SSE	4	o	*	o	*	37	30	0·32
	Wisby	28.93	37	SE	4	r	28.91	—·20	35	33	o	WSW	6	o	*	r	*	37	30	0·16
	Karlstad ...	28.69	36	ESE	4	o	28.63	— ·26	33	33	+ 1	ESE	4	s	*	o,s	*	*	*	0·32
	Bodö	29.20	28	NE	2	o	29.08	— ·19	33	32	+ 9	E	4	s	1	o	*	?	23	—
	Christiansund ...	28.98	34	NNE	9	s	28.90	— ·16	34	31	+ 3	WNW	8	s	6	s	*	34	30	0·12
	Skudesnaes ...	28.78	33	N	9	sr	28.95	+ ·23	34	33	+ 1	NNW	10	c	5	o,rs	*	36	30	*
	Færder (Christiania Fjord)	28.60	36	E	2	o	28.64	— ·11	33	32	o	WNW	6	o	4	o	*	36	32	0·55
	Skagen (The Scaw)	28.61	35	WNW	4	m	28.70	+ ·04	34	34	— 5	NW	5	s	1	m	*	39	32	0·12
	Fanö	29.03	36	NW	9	c	29.12	+ ·35	35	32	— 6	WNW	10	c	*	c	*	43	32	0·04
British Islands.	Sumburgh Head	29.34	30	N	7	s	29.33	+ ·11	32	31	+ 2	N	4	osp	6	b,s	*	35	28	0·01
	Stornoway ...	29.60	34	N	4	m	29.57	+ ·08	30	30	— 3	NNW	1	c	2	sp,be,m	6·6	37	29	0·04
	Wick	29.46	34	N	7	o	29.45	+ ·14	30	30	— 4	N	3	cw	3	o,s	*	38	26	0·18
	Nairn	29.64	34	N	2	b	29.54	+ ·13	32	30	— 1	WNW	1	c	1	b	*	39	26	0·01
	Aberdeen ...	29.47	34	NW	5	bcspq	29.52	+ ·28	33	30	— 2	WNW	3	b	4	bcspq	8·5	38	27	0·12
	Leith	29.53	38	NE	2	b	29.59	+ ·22	34	30	— 7	WSW	2	o	*	b	*	42	27	—
	Shields	29.52	37	N	3	c	29.59	+ ·34	32	30	— 6	W	3	bc	3	c,p	*	42	25	—
	Spurn Head ...	29.51	39	NNW	5	b	29.59	+ ·37	34	31	— 6	NNW	3	b	4	spq,b	*	47	33	—
	York	29.52	40	N	1	b	29.60	+ ·31	31	28	— 8	NNW	1	b	*	b	8·0	44	26	—
	Loughborough ...	29.56	43	WNW	2	c	29.63	+ ·25	29	29	— 10	WNW	1	bm	*	bcq,c,b	*	47	25	—
	Ardrossan ...	29.55	39	NW	4	b	29.58	+ ·18	35	34	— 5	W	0	cm	0	b	*	45	30	—
	Malin Head ...	29.61	38	N	4	c	29.58	+ ·06	38	36	o	S	2	c	1	c	*	40	33	—
	Belmullet ...	29.65	42	ENE	3	bc	29.55	— ·08	41	38	o	S	4	c	*	c,bc	*	45	33	—
	Donaghadee ...	29.62	40	NNW	5	bc	29.63	+ ·16	39	35	— 1	N	4	b	2	bc	*	45	31	—
	Liverpool (Bidston)	29.57	40	WNW	3	b	29.61	+ ·19	39	34	— 1	WNW	1	b	2	b	*	45	36	—
	Holyhead ...	29.60	41	N	3	c	29.63	+ ·12	43	40	+ 3	SE	1	bcm	1	pbrs,c	*	43	36	—
	Parsonstown ...	29.62	43	N	1	c	29.64	+ ·02	32	30	— 4	W	0	c	*	c	4·8	46	26	—
	Valencia ...	29.53	47	ESE	2	bc	29.63	+ ·02	42	39	— 1	ENE	1	c	3	cr,bc	5·0	52	31	—
	Roche's Point ..	29.59	45	SSE	3	c	29.68	+ ·02	43	40	+ 1	ESE	1	bc	3	c	*	50	34	—
	Pembroke (St. Ann's Hd.)	29.61	38	NE	3	c	29.64	+ ·05	39	36	— 3	E	3	b	3	c	8·5	44	35	—
	Scilly	29.54	47	E	3	o	29.60	— ·02	46	43	— 1	E	3	bc	3	c,o	3·2	52	42	—
	Prawle Point ...	29.59	44	W	3	c	29.60	— ·01	43	40	o	ENE	3	bc	2	c	*	50	35	—
	Jersey (St. Aubin's)	29.62	49	W	3	bc	29.58	— ·03	47	43	o	NE	4	bcm	3	bc,q	*	51	43	—
	Hurst Castle ...	29.58	48	WNW	3	bc	29.63	+ ·12	39	36	— 4	NNE	2	bm	2	c,bc	*	51	35	—
	Dungeness ...	29.57	45	W	3	c	29.62	+ ·22	45	41	+ 3	NE	2	b	2	bc,c	*	51	32	—
Germany & Holland.	North Foreland	29.65	45	W	5	c	29.66	+ ·31	43	40	+ 1	NE	2	bc	2	c	*	47	37	—
	London (Brixton) ...	29.54	44	NW	3	c	29.64	+ ·21	34	32	— 7	W	1	b	*	bc,b	7·5	48	29	—
	Oxford	29.60	40	NW	2	bc	29.65	+ ·20	34	32	— 6	W	0	m	*	bc	*	47	27	—
	Cambridge ...	29.57	42	NNW	1	o	29.64	+ ·27	32	31	— 8	ENE	1	bm	*	bc,o	6·9	50	26	—
	Yarmouth ...	29.52	40	NW	4	c	29.60	+ ·37	36	34	— 4	W	3	bm	5	cq,c	*	44	30	—
	Cuxhaven ...	29.13	41	NW	6	c	29.35	+ ·42	37	37	— 5	WNW	6	bc	*	sphr	*	45	34	0·08
	Berlin	29.25	45	W	5	o	29.47	+ ·39	37	34	— 12	W	5	b	*	o	*	55	34	0·04
	Wiesbaden ...	*	*	*	*	*	29.63	+ ·44	41	38	— 10	NW	1	o	*	*	*	51	36	—
	Munich	29.63	40	SW	3	b	29.63	+ ·30	42	39	— 10	SW	2	o	*	b	*	54	37	0·12
	The Helder ...	29.43	41	NW	7	bc	29.56	+ ·48	39	33	— 3	WNW	5	bc	3	bc	*	45	36	0·04
Belgium.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez ...	29.52	46	WNW	4	c	29.61	+ ·25	39	37	— 3	SSE	1	c	1	c	*	48	34	—
	Paris	29.65	49	NNW	3	bc	29.61	+ ·16	40	37	— 5	ENE	2	o	*	bc	*	50	36	—
	Brest	29.57	50	SSW	2	o	29.52	— ·13	45	43	— 3	E	2	c	2	o	*	52	43	0·08
	Lorient	29.60	50	SW	2	bc	29.49	—·17	46	45	— 1	ENE	5	r	5	bc	*	57	43	0·28
France &	Rochefort ...	29.69	52	SSW	3	o	29.58	— ·10	51	50	+ 2	W	3	bc	*	c,o	*	59	49	0·24
	Belfort	29.62	45	WSW	3	o	29.62	+ ·26	41	39	— 8	W	0	o	*	o	*	55	36	0·28
	Lyons	29.71	?	W	0	b	29.61	?	41	40	— 11	NNE	1	o	*	b	*	60	36	0·04
	Nice	29.39	62	NW	2	bc	29.54	—·01	49	44	o	W	0	b	0	bc	*	72	45	—
	Perpignan ...	29.68	63	NW	2	c	29.55	—·09	55	50	— 4	N	2	b	*	c	*	70	50	—
	Biarritz ...	29.65	57	N	3	b	29.58	—·19	54	49	— 1	WSW	5	o	2	b	*	66	50	0·12
Peninsula.	Corunna ...														*		*			
	Lisbon	29.95	57	WNW	5	b	29.91	—·12	54	51	— 5	WNW	5	bc	*	b	*	63	52	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 10·7 hrs; Brighton 9·3 hrs; Eastbourne 9·2 hrs; Hastings 9·2 hrs; Ventnor 10·5 hrs.

WEATHER CHARTS

FOR Tuesday, 30th March 1897.

BAROMETER, WIND AND SEA.

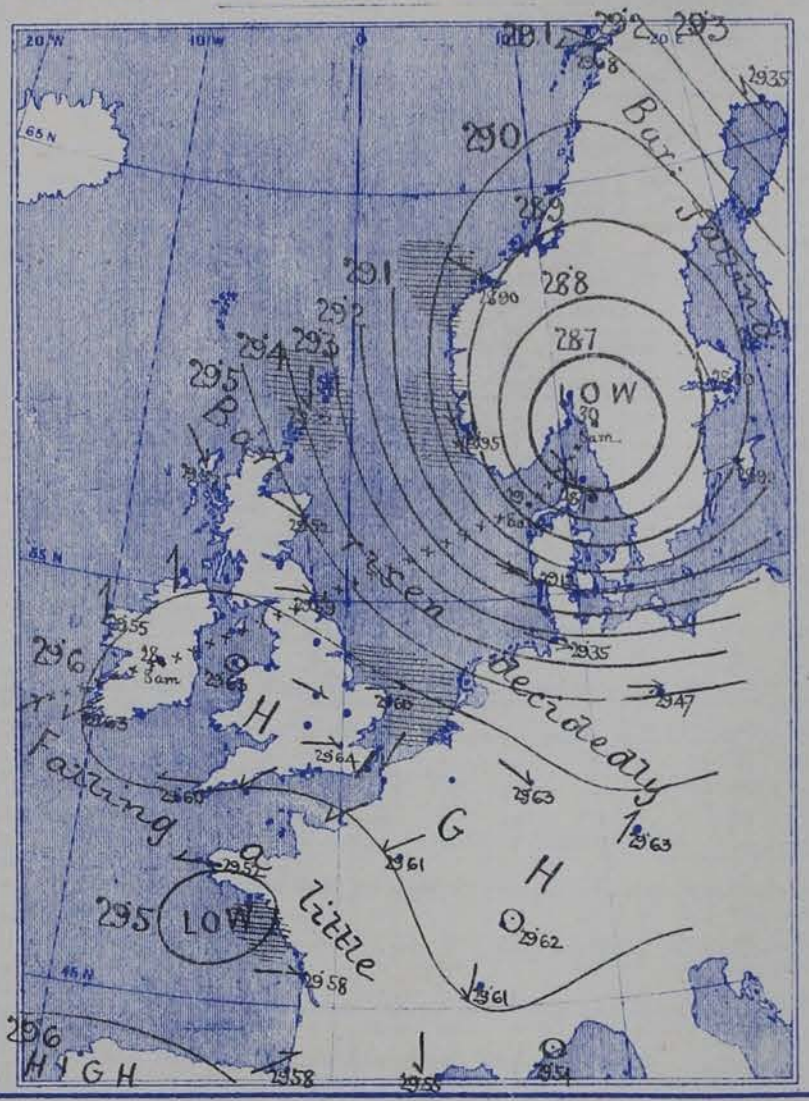
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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 MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means. 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5		—		—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3		—		—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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 29·6 ins. and more over S. Germany, the N.E. of France, England and Ireland, where the distribution is anticyclonic.
Lowest Below 28·7 ins. in a depression over the S. of Sweden.
Gradients very slight over our Islands and France, very steep over the North Sea, Denmark & N. Germany.
Barometer rising over the North Sea and Gt. Britain, but inclined to fall again in the N.W. of Ireland.

TEMPERATURE

Highest 54° at Biarritz, 51° at Rochefort, 46° at Scilly, 45° at Dungeness, 43° at Roche's Pt. & N. Ireland.
Lowest 29° at Loughlinough, 30° at Wick and Stornoway, 32° at Parsonstown, 34° at Leith, Oxford and London, 40° at Paris.
The maxima recorded yesterday were below 40° at almost all the Scotch stations and below 50° over Ireland and England except at the extreme S.W. stations. Sharp frost occurred inland during the night — even in the Dresser, at 4 ft. from the ground.

WIND

(1) Blowing a very strong gale from between N. and N.W. on the coasts of Norway and Denmark, and a strong breeze from W.S.W. at Whitby.
(2) It has fallen very light over our Islands and the Channel and become anticyclonic in direction (S.W.ly to N.W.ly in the north, but E.ly in the south).
The gales noticed in the N. and E. of Scotland yesterday have subsided completely.

WEATHER

Fine all over the British Islands, the Netherlands and N.E. of France. Snow is falling at many of the Scandinavian stations, and rain at Lorient.
There has been no appreciable rain over Ireland and England, but a good deal at the Continental stations. Bright Sunshine recorded yesterday was 10.7 hrs. at Southport, 10·5 hrs. at Ventnor, more than 9 hrs. on our S. coast generally, 8·5 hrs. at Penbroke & Aberdeen.

SEA

Still rough at Inverburgh Nd., rather so at Yarmouth and Lorient, Moderate on our N.E. coasts, slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fine quiet weather is probable over our Islands at present, and another cold night at our inland stations.

FORECASTS

For the 24 hours ending at NOON on 31ST. MARCH 1897.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N.W.ly to S.W.ly airs, fine generally, warmer tomorrow.	6 SCOTLAND WEST	S.W.ly breezes light to moderate, slight rain at times on the coast.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	E.ly breezes, light to moderate, fine
3 ENGLAND EAST	Variable airs and E.ly breezes, fine, dry, cold at night.	9 IRELAND NORTH	Same as Nos. 6 and 7.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	E.ly breezes, light; fair.
5 ENGLAND 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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	28·72	36	34	N	4	o	2
Sumburgh Head	29·19	34	32	N	7	b	7
Stornoway	29·58	37	33	N	4	bc	5
Aberdeen	29·62	36	32	NNW	8	bcspq	6
Shields	29·45	38	35	NW	5	c	4
Ardrossan	29·50	44	40	NW	4	b	3
Malin Head ...	29·60	40	36	NNW	5	c	3
Belmullet	29·65	45	40	NE	2	c	*
Holyhead	29·56	43	38	NW	5	cpbrs	4
Valencia	29·57	52	45	SE	2	cv	3
Scilly	29·60	48	45	ESE	2	c	4
Jersey	29·66	50	45	WNW	4	bc	3
Hurst Castle ...	29·58	51	45	W	4	c	3
Dungeness ...	29·53	48	41	WNW	5	bc	4
North Foreland	29·52	45	41	W	5	o	4
London (Westminster)	29·53	49	40	WNW	3	c	*
Yarmouth ...	29·41	44	39	WNW	5	cq	4
Rochefort ...	29·77	59	53	NW	1	c	*

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

Weather in morning improving greatly over Ireland and England, but remaining very squally and unsettled in the E. of Scotland, as well as over the North Sea. Unsettled over the Continent generally, with rain in France and several parts of Germany; thunder at Berlin; snow in Norway and the S. of Sweden. Considerable snow over N^rn Europe later and rain over Germany and France, but much sunshine prevalent over Ireland and England.

Temperature fallen decidedly over the British Islands and their neighbourhood; risen somewhat over central Europe, and risen rapidly over the N. of Russia. Morning readings highest 73° at Oran, 70° at Algiers; 63° at Malta, 60° at Barcelona and Brindisi, and considerably above 50° on the S^rn coasts of Europe generally; 47° at Jersey and Scilly, 43° at Valencia; 49° at Berlin and Swinemunde. Failing to reach 40° in Scotland, and 50° over the greater part of England during the day, but touching 55° at Berlin, 56° at Paris, and 72° at Nice, succeeding night very frosty over the British Islands.

Wind N.¼, and blowing a gale at Christiansund and on the E. coast of Scotland, NW.¼ over England and Ireland, W.¼ over the Netherlands, S.¼ to SE.¼ over the Baltic, and E.¼ over Sweden. The gale in Scotland dying down later, but blowing with great force in the W. of Norway and on the E^rn shores of the North Sea.

Barometer highest (1) 30·0 ins. and more to 29·7 ins. over the Spanish peninsula and Bay of Biscay, (2) 29·8 ins. and more to 29·7 ins. over the N. of Russia. Lowest 28·7 ins. in a depression over the Skager Rack. Depression moving NE^wds later, barometer rising quickly in the N. and E. of our Islands, and gradients for N.¼ and NE.¼ winds becoming exceedingly steep over the North Sea. A new but small and shallow depression approaching our SW^rn coasts 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.

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 31st March, 1897.

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.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall
		Ins.	°				Ins.	Ins.	°	°	°				#		#	°	°	Ins.
Scandinavia.	Haparanda ...														#		#			
	Hernösand ...														#		#			
	Stockholm ...	28.75	34	S	2	0	28.91	+.11	33	32	- 3	SW	3	8	#	0	#	39	32	-
	Wisby	28.90	34	SW	10	0	29.09	+.18	35	32	0	W	8	0	#	0	#	37	30	0.04
	Karlstad ...	28.82	34	NNW	2	r	29.01	+.38	31	29	- 2	WSW	2	0	#	S, r	#	#	#	0.16
	Bodö	29.12	33	ESE	4	0	29.14	+.06	33	31	0	E	4	c	1	0	#	36	30	-
	Christiansund ...	28.88	34	SW	1	c	28.97	+.07	36	34	+ 2	SSE	1	0	4	c	#	36	30	0.16
	Skudesnaes ...	29.12	33	NNW	9	S	29.13	+.18	34	33	0	WNW	8	S	5	c, s	#	38	28	#
	Færder (Christiania Fjord)	28.89	36	NW	3	b	29.05	+.41	34	32	+ 1	WSW	7	0	4	b	#	36	33	-
	Skagen (The Scaw)	29.03	35	WNW	7	b	29.20	+.50	36	34	+ 2	NW	7	b	3	b	#	39	34	0.04
	Fanö	29.39	37	WNW	6	b	29.36	+.24	33	33	- 2	W	1	s	#	b	#	41	33	0.04
	Sumburgh Head	29.36	34	N	4	c	29.26	-.07	33	32	+ 1	N	4	OS sp	6	c	#	39	29	0.04
	Stornoway ...	29.52	38	NNE	3	c	29.49	-.08	31	30	+ 1	NNE	2	c s sp	2	sp. c	8.6	39	26	0.06
	Wick	29.45	31	N	3	S	29.37	-.08	36	36	+ 6	N	3	c	2	sp	#	38	25	0.08
	Nairn	29.48	38	E	1	b	29.45	-.09	32	30	0	W	1	b	1	b	#	41	25	-
	Aberdeen ...	29.49	36	NW	2	bc	29.41	-.11	34	31	+ 1	NW	4	bq	3	bcq, bc	10.2	40	28	-
British Islands.	Leith	29.50	35	N	0	S	29.47	-.12	38	32	+ 4	E	1	b	#	S	#	42	31	0.02
	Shields	29.51	37	N	0	0	29.40	-.19	37	34	+ 5	NNE	3	c	4	c, OS	#	42	30	0.17
	Spurn Head ...	29.52	39	ESE	3	b	29.35	-.24	37	37	+ 3	NNE	2	r	4	b, s	#	45	34	0.18
	York	29.51	41	ESE	1	bc	29.35	-.25	35	35	+ 4	NNE	1	OS	#	bc	9.2	44	31	0.10
	Loughborough ...	29.55	45	SSW	1	c	29.35	-.28	40	40	+ 11	NW	1	gmr	#	b, bc, c, o	#	50	29	0.03
	Ardrossan ...	29.42	34	NE	1	om	29.43	-.15	33	32	- 2	NNE	2	bm	1	o, om	#	40	28	0.02
	Malin Head ...	29.36	40	NNW	3	bc	29.44	-.14	37	33	- 1	NE	4	bc	2	o, s, bc	#	42	32	0.06
	Belmullet ...	29.47	45	NW	3	o	29.45	-.10	39	37	- 2	ENE	3	O	#	o	#	47	35	0.07
	Donaghadee ...	29.44	38	WSW	3	r	29.41	-.22	38	35	- 1	ENE	5	bc	3	S, r	#	43	33	0.14
	Liverpool (Bidston)	29.54	41	WSW	2	o	29.36	-.25	39	38	0	S	0	or	1	b. or	#	44	37	0.34
	Holyhead ...	29.52	42	SSW	4	om	29.35	-.28	41	39	- 2	NE	3	O	2	c, om	#	45	38	0.26
	Parsonstown ...	29.46	48	W	1	o	29.38	-.26	38	37	+ 6	SE	1	o gr	#	c, g, r	3.2	50	31	0.31
	Valencia ...	29.51	49	S	3	og	29.32	-.31	48	47	+ 6	W	3	O	4	bc, og	7.0	51	40	0.22
	Roche's Point ..	29.54	48	SW	3	c	29.33	-.35	46	46	+ 3	ENE	1	d	3	c, d	#	50	43	0.06
	Pembroke (St. Ann's Hd.)	29.59	43	W	3	o	29.34	-.30	46	45	+ 7	S	0	og	4	c, o	8.8	46	39	0.04
	Scilly	29.64	50	SSW	2	c	29.39	-.21	50	50	+ 4	SW	4	r	4	c	10.4	53	46	0.03
	Prawle Point ...	29.64	45	SSW	3	c	29.39	-.21	47	45	+ 4	WSW	4	c	4	c, om	#	49	41	-
	Jersey (St. Aubin's)	29.63	52	NW	3	bc	29.48	-.10	49	48	+ 2	SSW	4	omr	3	b, bc	#	54	41	-
	Hurst Castle ...	29.62	47	SSW	2	c	29.41	-.22	48	46	+ 9	SW	4	O	3	b, c	#	52	38	-
	Dungeness ...	29.62	45	SSW	2	c	29.43	-.19	47	45	+ 2	WSW	3	c	2	b, c	#	51	43	-
	North Foreland	29.62	44	SE	3	b	29.44	-.22	43	42	0	SW	2	O	2	b	#	49	38	-
	London (Brixton) ...	29.59	47	S	2	bc	29.41	-.23	46	43	+ 12	W	2	O	#	bm, bc, o	6.7	55	34	-
	Oxford	29.57	44	SW	3	c	29.37	-.28	45	43	+ 11	SW	3	ou	#	bc, c	#	51	34	-
	Cambridge ...	29.57	46	SW	1	bc	29.38	-.26	43	42	+ 11	SW	3	O	#	bc	8.8	53	30	-
	Yarmouth ...	29.57	43	S	3	b	29.37	-.23	42	40	+ 6	WSW	3	c	4	b	#	47	35	-
Germany & Holland.	Cuxhaven ...	29.49	38	WNW	5	bc	29.39	+.04	35	35	- 2	SSW	4	c	#	qh, s, bc	#	39	30	0.08
	Berlin	29.60	38	WNW	1	b	29.63	+.16	35	33	- 2	SSW	3	b	#	b	#	43	30	-
	Wiesbaden ...	#	#	#	#	#	29.63	.00	37	35	- 4	S	1	O	#	#	#	50	34	-
	Munich... ..	29.71	42	E	2	O	29.68	+.05	42	39	0	SE	2	bc	#	O	#	50	36	-
	The Helder ...	29.60	40	W	2	bc	29.38	-.18	42	39	+ 3	WSW	3	O	3	bc	#	43	32	-
France & Belgium.	Brussels ...	#	#	#	#	#	29.49		45	40	-	SSW	3	O	#	b	#	49	34	-
	Cape Gris Nez...	29.62	45	N	1	c	29.46	-.15	45	42	+ 6	WSW	2	O	2	c	#	52	39	-
	Paris	29.64	50	WSW	1	c	29.56	-.05	47	46	+ 7	SSW	2	r	#	c	#	51	40	-
	Brest	29.63	52	WNW	2	bc	29.53	+.01	50	49	+ 5	WNW	3	bc	4	bc	#	59	41	-
	Lorient... ...	29.62	52	WNW	3	b	29.58	+.09	50	50	+ 4	W	4	c	5	b	#	63	46	0.04
	Rochefort ...	29.62	54	W	4	bc	29.65	+.07	53	53	+ 2	W	5	O	#	bc	#	63	51	-
	Belfort	29.62	45	NE	2	bc	29.61	-.01	38	36	- 3	S	0	O	#	bc	#	51	35	-
	Lyons	29.62	50	NW	1	c	29.71	+.10	46	45	+ 5	WSW	1	O	#	c	#	58	41	-
	Nice	29.57	50	S	0	c	29.61	+.07	51	48	+ 2	S	0	c	1	c	#	64	48	-
	Perpignan ...	29.61	51	NW	3	o	29.76	+.21	52	47	- 3	NW	3	b	#	O	#	55	50	0.39
	Biarritz ...	29.71	55	NW	4	c	29.80	+.22	54	51	0	WSW	4	O	5	c	#	57	50	0.16
Peninsula.	Corunna ...														#		#			
	Lisbon	30.06	55	NNW	4	b	30.10	+.19	56	55	+ 2	SW	4	r	#	b	#	59	52	0.04
	Azores (P. Delgada)	30.15	62	SW	5	c	30.06	-.14	63	60	+ 1	SW	5	bc	6	O	#	66	61	-

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 10.0 hrs; Brighton 10.3 hrs; Eastbourne 10.5 hrs; Hastings 10.6 hrs; Ventnor 10.0 hrs.

WEATHER CHARTS

FOR Wednesday 31st March 1897.

BAROMETER, WIND AND SEA.

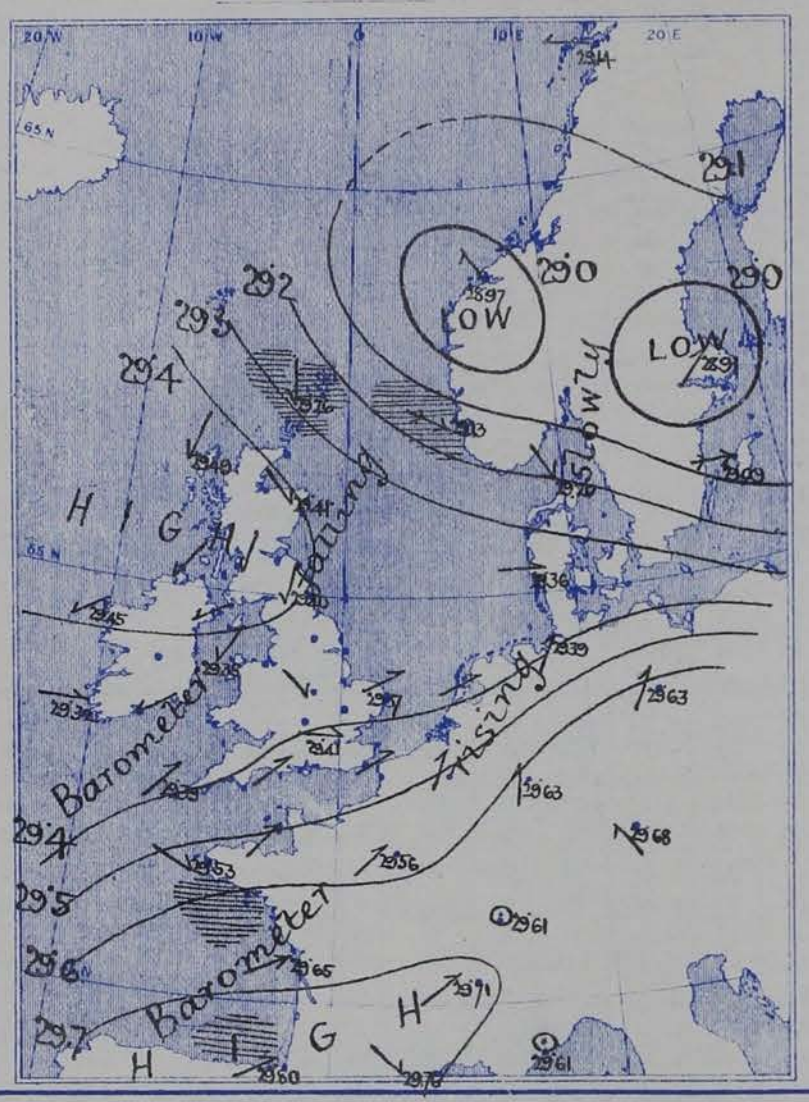
BAROMETER—Isobars are drawn for each tenth of an inch.

WIND—Arrows shew 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 ▒

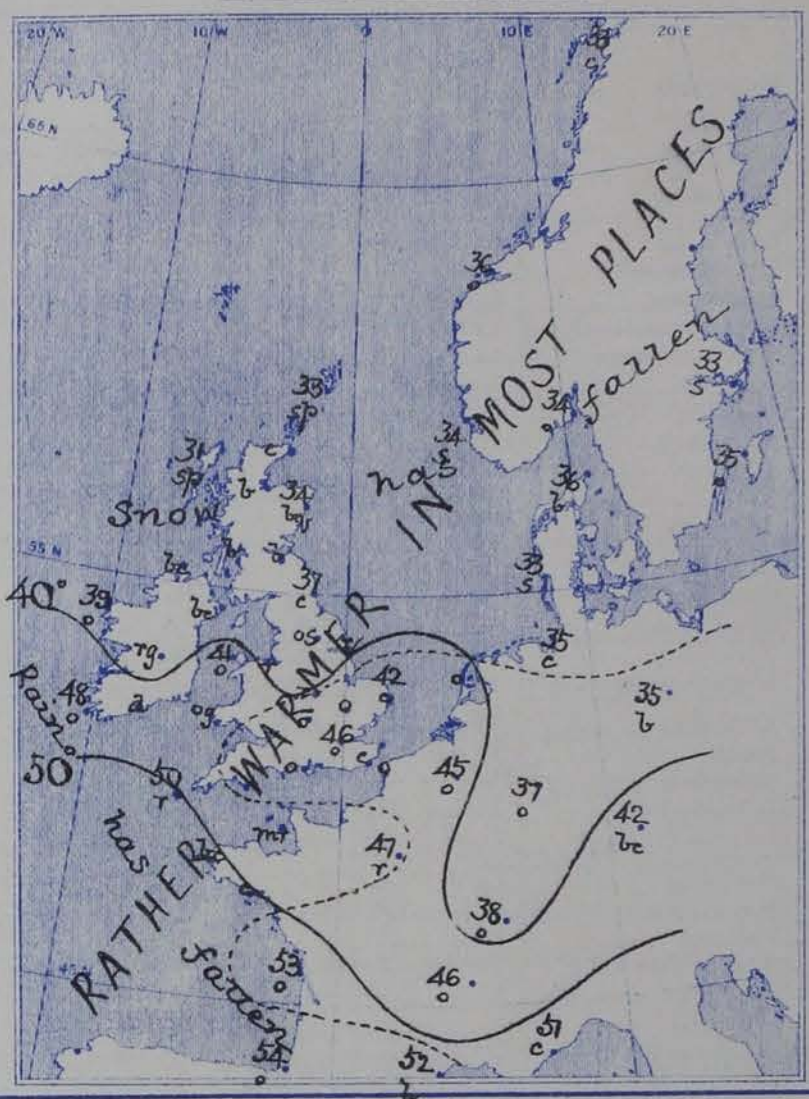


TEMPERATURE & WEATHER.

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 MARCH.

STATIONS.	PRESSURE AT 8 A.M. Means. 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. 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	29·737	38·5	37·0	42·8	34·0	57	1893	18	1879	2·75	—	—
Stornoway	29·772	39·2	38·2	44·9	34·2	58	1872	13	1881	3·70	103·3	29
Wick	29·781	38·9	37·2	44·9	33·8	62	1894	15	1891	1·99	—	—
Nairn	29·802	37·9	36·2	45·9	33·4	65	1884	6	1892	1·68	—	—
Aberdeen	29·821	38·6	36·5	45·7	34·3	66	1889, 91, 92	10	1889	2·23	124·0	34
Leith	29·849	39·3	37·6	48·0	34·4	68	1884	19	1879, 81, 89	1·41	—	—
Shields	29·873	39·3	37·7	46·2	34·8	64	1884, 93	15	1889	1·74	—	—
Spurn Head	29·891	39·7	38·3	44·8	36·4	62*	1890, 93	24*	1886	1·19	—	—
York	29·904	38·5	36·9	48·4	33·8	68	1884, 92, 93	8	1883	1·66	109·1	30
Loughborough	29·931	38·6	36·9	49·8	33·8	69*	1884, 93	15*	1883	1·54	—	—
Ardrossan	29·861	40·1	38·6	46·4	36·1	63	1884	18	1891	2·30	—	—
Malin Head	29·842	41·0	39·3	46·5	38·5		—		—	—	—	—
Belmullet	29·882	43·2	41·4	48·4	39·3		—		—	3·80	—	—
Donaghadee	29·883	40·7	39·5	47·3	37·1	65	1874	25	1892	1·97	—	—
Holyhead	29·906	42·0	40·5	47·4	38·8	67	1894	27	1881	2·20	—	—
Liverpool	29·911	40·2	38·1	47·2	36·7	66	1871	21	1886	1·67	—	—
Parsonstown	29·925	40·1	38·6	49·9	34·9	66	1894	18	1891	2·20	114·7	32
Valencia	29·929	44·8	42·8	51·0	40·3	64	1871, 94	27	1886, 91, 92	3·87	135·3	37
Roche's Point	29·930	43·3	41·5	49·7	39·5	60	1895	27	1890	3·38	—	—
Pembroke	29·930	42·1	40·4	46·6	39·0	58	1872	26	1888	2·26	139·9	38
Scilly	29·946	46·0	44·1	49·5	42·3	59	1893	30	1883, 90, 91	2·28	—	—
Prawle Point	29·960	42·7	41·2	48·2	37·7	62*	1893, 95	23*	1883, 88, 90	1·88	—	—
Jersey	29·965	44·0	41·9	49·7	39·8	66	1871, 93, 94	21	1890	2·24	160·2	44
Hurst Castle	29·955	41·0	39·9	47·9	37·1	62	1877	21	1887	1·78	—	—
Dover	29·936	40·6	39·2	46·5	36·6	59	1894	13	1890	1·74	—	—
LONDON	29·949	40·0	38·1	50·1	35·2	71	1871	15	1890	1·43	72·3†	20†
Oxford	29·951	38·7	37·2	49·3	34·5	67	1884, 93	15	1891	1·50	119·7	33
Cambridge	29·941	38·8	37·4	50·6	32·9	70	1893, 94	14	1889, 90	1·34	127·4	35
Yarmouth	29·916	40·1	38·5	45·2	35·3	62	1884, 89	18	1892	1·73	—	—

* 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) 30·1 in: and more to 29·7 in: over the Spanish Peninsula and the south-west of France and apparently over Hungary also; (2) Above 29·4 in: over Scotland and the north of Ireland also.
Lowest. Below 29·0 in: in a complex depression over Scandinavia, and about 29·3 in: at the mouth of the St. George's Channel.
Gradients were steep over North Germany, slight, but very complex over our Islands.
Barometer falling all over the United Kingdom and the north and west of France, rising over Scandinavia, and central and southern Europe.

TEMPERATURE

Highest, 54° at Brianitz, 50° at Corient, Brest, and Scilly, 48° at Valencia (Ireland) and Hunt Castle.
Lowest, 30° to 36° at the Scandinavian stations, and 31° to 38° over Scotland and the northern parts of Ireland and England.
It has risen rather decidedly over Ireland, England and France, but changed little and irregularly over the northern parts of the Kingdom.

WIND

Light to moderate from between NW. and NE. over the northern parts of the British Islands; moderate from SW. in the south, and from W. over the Bay of Biscay.
A W^ly gale is still blowing over the Baltic and south of Norway.

WEATHER

Fine and bright over the greater part of Scotland, but has become very dull and unsettled over the more southern countries with rain in many places. Snow is still falling in the Shetlands and the southern parts of Scandinavia.
Some rain was measured at all our western and northern stations this morning, but none in the east and south. Solar halos were seen yesterday at Jersey and Oxford. Bright Sunshine recorded yesterday exceeded 10 hours at all our southern coast stations and at Aberdeen, but was less elsewhere.

SEA

Still rough at Sumburgh Head, moderate to smooth at our other stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Very unsettled rainy weather is probable in all districts.

FORECASTS

For the 24 hours ending at NOON on 1ST APRIL 1897.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Varying N^ly to E^ly winds, light; becoming unsettled and rainy.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	SW^ly and Variable breezes; much rain.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 to 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as Nos 3 to 5.
9	IRELAND NORTH	Varying winds; rainy, unsettled.
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. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.08	38	33	NNW	8	c	5
Sumburgh Head	29.33	38	34	N	4	c	6
Stornoway	29.55	35	34	NE	3	s	4
Aberdeen	29.52	39	33	WNW	5	bcq	3
Shields	29.57	40	34	WNW	2	c	3
Ardrossan	29.53	38	35	NE	1	o	0
Malin Head ...	29.46	33	33	S	3	os	1
Belmullet	29.49	47	45	WNW	4	o	*
Holyhead	29.60	43	38	SW	3	c	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.59	50	45	SSE	4	bc	5
Scilly	29.64	53	50	SE	3	c	3
Jersey	29.62	55	49	E	3	b	3
Hurst Castle ...	29.64	52	46	S	2	b	2
Dungeness ...	29.64	49	42	S	2	b	1
North Foreland	29.64	48	44	SE	3	b	2
London (Westminster)	29.62	53	43	WSW	2	b	*
Yarmouth ...	29.61	47	40	W	3	b	4
Rochefort ...	29.62	61	61	WNW	4	b	*

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

Weather in morning very fine and bright over the British Islands generally, but dull over France and South Germany, very rough and unsettled over the Baltic, Scandinavia, and the North Sea, with snow in many parts of Scandinavia and the Shetlands Islands. Rain setting in later over Ireland and wet snow in Scotland, and cold showers falling at most of the Continental stations, but weather over England continuing fine.

Temperature showing a further fall over the British Islands and France and a rapid fall over Central Europe. Morning readings highest 68° to 60° on the southern side of the Mediterranean, and above 50° on its northern shores; 54° at Biarritz, 47° at Jersey, 46° at Scilly, 43° at Holyhead. Lowest, (1) 28° at Kuopio and Haparanda, 30° at Archangel and St Petersburg, and 34° at Riga and on the east coast of Norway; (2) 30° to 34° over the greater part of Scotland, 29° to 34° over Central England. Rising later to between 50° and 53° over many parts of Ireland and England, to 55° in London, 57° at Paris, and 64° at Nice.

Wind light and mainly anticyclonic over the British Islands, France, and southern Europe, very light from SE. over Central Russia. A well marked cyclonic circulation prevailing over Scandinavia, the North Sea, and the Baltic, the gales being especially strong on the eastern shores of the North Sea.

Barometer highest (1) 29·9 ins: and more to 29·6 ins: over the Spanish Peninsula, the north of Africa, and the eastern part of the Mediterranean, and exceeding 29·6 ins: in a "ridge" stretching northeastwards from the Adriatic across Austria, Germany, and the east of France to England and Ireland; (2) 29·7 ins: and more to 29·6 ins: over the northern and central parts of Russia. Lowest, 28·7 ins: and less, in a deep depression lying over the southern half of Sweden, and below 29·5 ins: in a small shallow system near Lorient. Fresh disturbances approaching the western parts 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.

* 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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ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Corunna	30·14	52	WSW	3	f	30·08	−·14	48	47	+4	W	3	f	5	f	-	59	44	0·28
2	Belfort	29·85	43	SW	5	o	29·66	−·25	37	-	−8	E	1	r	-	o	-	53	34	0·24
-	Biarritz	29·73	66	SW	6	o	30·12	+·06	52	-	0	NNW	6	o	6	o	-	57	48	0·16
-	Corunna	29·85	68	SW	6	c	30·24	+·16	?	?	?	SW	2	o	8	c	-	61	45	0·24
3	Valencia	-	-	-	-	-	29·19	−·24	43	38	−5	W	9	o h q	7	o. r q	0·1	50	38	0·71
-	Prawle Point	29·33	44	SSE	8	r	29·12	−·74	40	37	−1	NNW	8	c q	7	r q	-	48	37	0·69
-	Jersey	-	-	-	-	-	29·23	−·71	41	39	−5	NNW	8	o q h r m	6	o q r m	-	49	38	0·61
-	Lorient	29·78	41	NNW	8	r	29·43	−·54	?	?	?	NNW	?	?	8	r	-	52	32	0·63
-	Biarritz	-	-	-	-	-	30·04	−·08	53	-	+1	W	7	r	6	o	-	61	50	0·04
-	Corunna	30·08	59	WSW	3	o	30·25	+·01	50	45	-	NNW	9	bc	8	o	-	61	43	0·08
-	Lisbon	30·41	56	W	4	o	30·49	+·08	53	47	−3	NW	4	bc	2	o	-	61	52	0·05
-	Azores (P. Delgada)	30·64	54	NNE	4	b	30·73	+·32	52	47	−8	NE	2	c	2	b	-	64	50	-
4	Prawle Point	29·51	38	NNW	8	c	29·49	+·37	45	44	+5	SW	8	r	7	hail.	-	46	34	0·10
-	Jersey	29·62	42	NNW	7	c	29·68	+·45	45	43	+4	SSW	6	c	6	c	-	46	37	0·24
-	The Helder	28·93	40	W	9	r	29·45	+·56	40	38	−3	W	7	bc	3	r	-	45	39	0·08
-	Cape Gris Nez	29·36	43	W	8	o	29·73	-	41	-	-	W	6	o	6	o	-	45	37	-
-	Corunna	30·36	51	W	9	f	30·08	−·17	?	47	?	NNE	?	?	9	f	-	54	43	-
-	Lisbon	30·60	50	N	2	b	30·56	+·07	50	47	−3	W	2	o	-	b	-	57	48	-
-	Azores (P. Delgada)	30·72	53	NNW	2	c	30·68	−·05	53	51	+1	NNW	3	o	-	c	-	59	50	-
5	Cape Gris Nez	29·42	44	SW	7	o	29·43	−·30	41	-	o	WSW	6	o	6	o	-	45	36	0·20
-	Biarritz	29·99	56	SW	4	o	29·88	−·31	42	-	−7	NNW	7	r	7	o	-	57	41	0·47
-	Corunna	30·07	51	WSW	9	bc	30·08	·00	46	44	-	NNW	9	f	9	bc	-	57	39	0·24
-	Azores (P. Delgada)	30·65	54	NW	3	c	30·62	−·06	55	50	+2	2	0	o	1	c	-	61	52	-
6	Cape Gris Nez	29·52	40	SSW	3	o	29·67	+·24	43	-	+2	SW	1	o	1	o	-	45	32	0·12
-	Biarritz	29·85	41	S	3	r	29·94	+·06	48	-	+6	NNW	6	r	6	r	-	48	41	1·30
-	Corunna	29·93	51	NNW	9	f	30·22	+·14	51	46	+5	NW	7	bc	8	r	-	54	41	0·08
8	Corunna	30·23	55	NNW	4	bc	30·23	−·01	53	51	−2	SW	3	o	2	o	-	55	46	0·04
9	Corunna	30·17	51	NW	4	o	30·32	+·09	46	45	−7	NW	2	o	3	o	-	59	43	0·28
-	Azores (P. Delgada)	30·39	53	NNE	3	o	30·39	+·03	54	51	0	N	2	o	4	o	-	59	50	-
10	Corunna	30·32	55	NNW	3	bc	30·36	+·04	52	51	+6	WSW	2	o	6	bc	-	57	46	0·08
11	Cape Gris Nez	30·09	44	N	5	c	30·16	+·25	43	-	−3	N	3	c	2	c	-	46	39	-
-	Corunna	30·35	57	SW	2	bc	30·17	−·19	53	50	+1	SW	4	o	5	bc	-	57	48	-
12	Corunna	30·11	59	SW	4	c	30·06	−·11	50	-	−3	SW	3	c	3	c	-	61	46	0·08
13	Corunna	29·88	46	SW	6	q	30·07	+·01	48	45	−2	SW	4	q	5	q	-	59	41	0·12
15	Corunna	29·56	53	NNW	7	o	29·69	+·02	45	43	−9	W	6	o	4	o	-	55	34	0·28
16	Corunna	29·77	54	N	4	o	29·63	−·06	55	52	+10	SW	3	o	3	o	-	57	45	0·24
17	Corunna	29·71	61	WSW	6	o	29·76	+·13	60	57	+5	SW	6	o	5	o	-	63	50	-
18	Corunna	29·40	66	SW	3	o	30·14	+·38	63	59	+3	SW	7	o	4	o	-	66	55	-
19	Biarritz	30·33	58	NNW	2	r	30·41	+·39	57	-	−5	WSW	1	o	6	r	-	64	55	0·28
"	Corunna	30·25	66	SW	6	o	30·40	+·26	61	57	−2	SW	3	o	5	o	-	68	54	-
20	Corunna	30·39	59	NNW	4	q	30·29	−·11	57	54	−4	NNW	1	o	3	o	-	66	48	-
21	Cape Gris Nez	30·20	48	SW	4	m	30·15	+·10	46	-	0	N	4	o	4	o	-	50	43	-
-	Corunna	30·28	58	NW	3	bc	30·29	·00	56	-	−1	NW	2	o	2	o	-	68	50	-
22	Corunna	30·21	58	N	3	q	30·05	−·24	64	55	−8	SE	2	o	2	o	-	66	52	-
"	Azores (P. Delgada)	29·98	58	WSW	3	o	29·90	−·03	59	56	+5	S	4	o	4	o	-	63	54	-
23	Brussels	-	-	-	-	-	29·99	−·19	48	-	−2	WSW	4	o	-	o	-	63	45	-
"	Corunna	30·06	66	NW	2	q	30·04	−·01	63	59	−1	SW	1	o	2	o	-	77	55	-
24	Corunna	30·04	63	NW	2	q	30·28	+·24	55	54	−8	NNW	3	o	2	o	-	73	50	-
25	Corunna	30·27	57	NW	3	q	30·31	+·03	54	53	−1	SW	1	o	2	o	-	61	50	-
26	Corunna	30·28	57	W	3	q	30·18	−·13	64	54	+10	S	3	o	2	o	-	66	50	-
27	Cape Gris Nez	29·81	50	W	6	o	29·73	−·26	49	-	0	W	7	o	-	o	-	55	45	-
"	Corunna	30·21	58	NW	3	q	30·16	−·02	52	52	−12	NW	2	o	3	o	-	68	50	-
29	Corunna	29·76	62	WSW	8	q	29·84	+·06	54	-	−8	SW	3	o	4	o	-	70	54	-
30	Corunna	29·70	55	SW	5	o	29·67	−·22	53	50	−1	NW	6	o	3	o	-	63	50	0·28
"	Azores (P. Delgada)	30·26	59	W	2	o	30·20	·00	62	61	+1	NNW	3	o	4	o	-	66	57	-
31	Corunna	29·80	57	NNW	6	q	29·83	+·16	57	55	+4	SSW	6	o	4	o	-	57	50	0·04

REPORTS FOR MARCH 1897.

2. CORRECTIONS.

DATE.	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 Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
3	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-	-
4	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	-
-	Parsonstown	29.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	North Foreland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-
-	Cambridge	-	-	-	-	-	29.62	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Shields	-	-	-	-	-	-	-	-	-	-	Z	0	-	-	-	-	-	-	-
10	Haparanda	-	-	-	-	-	30.60	-.05	-	-	-	-	-	-	-	-	-	-	-	-
-	Aberdeen	-	-	-	-	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-
11	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-
12	Jersey	29.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	39	-
-	Oxford	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-
19	Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	-	-	-
-	Donaghadee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-
-	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-
-	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-
-	North Foreland	29.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	Shields	30.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-
23	Shields	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
-	Shields 2pm	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-
24	Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7	-	-	-
26	Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-
27	Fanö	? 29.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	-