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METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS

1ST JULY TO 31ST DECEMBER, 1899.

DAILY WEATHER REPORT.

July to December 1899.

E. Wellard & Grahams Ltd Litho London

DAILY WEATHER REPORT

for 8 a.m. on Wednesday 1st November, 1899.

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	29.10	30	W	2	b	29.22	+ .31	24	23	− 9	WNW	2	b	•	b	•	36	24	—
	Hernösand	29.23	31	Z	0	b	29.60	+ .33	35	32	− 2	Z	0	b	•	b	•	48	28	—
	Stockholm	29.41	41	WSW	4	c	29.80	+ .28	36	34	− 1	W	2	b	•	c	•	48	36	—
	Wisby	29.54	44	W	8	o	29.84	+ .22	43	40	− 1	NNW	6	bc	•	o	•	45	39	0.04
	Karlstad	29.41	41	SW	2	b	29.87	+ .38	35	33	− 8	W	2	o	•	b	•	•	•	0.04
	Bodö	29.18	35	W	6	bc	29.28	+ .25	39	37	+ 2	W	6	r	3	bc	•	41	32	0.28
	Christiansund ...	29.43	41	W	6	r	29.60	+ .42	41	36	0	W	3	o	5	r	•	41	37	0.16
	Skudesnaes ...	29.65	45	WNW	8	c	29.75	+ .39	49	48	+ 3	SSW	6	r	4	r.c	•	50	41	•
	Færder (X'iania Fjord)	29.36	46	WSW	6	bc	29.86	+ .46	46	41	− 2	WSW	5	o	4	bc	•	48	43	—
	The Scaw (Skagen)	29.53	47	NW	8	b	29.94	+ .40	48	45	+ 4	W	3	bc	o	b	•	48	41	0.16
	Fanö	29.96	46	WNW	5	b	30.08	+ .39	48	46	+ 3	WSW	4	b	•	b	•	52	43	0.12
	Sumburgh Head ...	29.62	43	W	4	o	29.38	+ .21	51	49	+ 7	SW	4	o	5	bc.o	•	51	43	0.24
	Stornoway	29.61	46	SW	4	r	29.32	− .27	52	51	+ 11	SW	6	o	6	o.r	4.3	52	38	0.40
	Wick	29.70	46	S	5	c	29.46	− .03	52	50	+ 11	S	4	ow	3	hp.c	•	52	36	0.05
	Nairn	29.74	42	W	2	c	29.50	− .09	53	52	+ 13	WSW	2	c	1	c	•	53	38	—
	Aberdeen	29.83	42	SW	2	b	29.62	+ .02	51	47	+ 9	SW	4	ogq	4	bq.b	7.7	51	41	—
British Islands	Leith	29.86	45	SW	1	b	29.68	− .01	53	49	+ 13	SW	3	o	•	b	•	53	39	—
	Shields	29.95	47	WSW	3	o	29.81	+ .12	48	47	+ 8	S	4	o	2	b.o	•	51	38	—
	Spurn Head ...	30.06	47	W	4	o	29.97	+ .13	44	43	+ 1	S	4	bcw	3	b	•	53	40	—
	Loughborough ...	30.12	46	W	1	c	30.02	+ .09	42	41	− 2	SSE	2	bcw	•	bcq.c.b	•	56	41	—
	Malin Head ...	29.79	50	SW	6	cg	29.48	− .28	50	50	+ 11	SSW	5	o	4	cg	•	51	46	0.02
	Blacksod Pt. ...	29.77	55	WSW	7	c	29.42	− .44	54	51	+ 5	SSW	9	c	7	cp.c	•	55	?45	0.07
	Donaghadee ...	29.92	49	S	4	cg	29.69	− .15	51	50	+ 10	SSW	4	bc	3	c	•	52	40	0.02
	Liverpool (Bidston)	30.05	47	SSW	3	c	29.88	+ .01	47	45	− 1	SE	3	bc	3	cm	•	52	45	—
	Holyhead	30.03	52	WSW	3	bc	29.81	− .12	52	50	+ 4	SSW	5	cp	4	c.bc	•	53	44	—
	Parsonstown ...	29.95	50	SW	1	c	29.64	− .34	52	47	+ 10	SW	1	o	•	c	4.2	54	41	—
	Valencia	29.96	54	S	3	o	29.54	− .51	55	50	+ 2	SSE	6	cg	5	cm.o	4.0	57	44	0.02
	Roche's Point ...	30.05	56	SW	3	c	29.69	− .38	55	51	+ 7	SW	7	c	5	c	•	58	48	—
	Pembroke (St. Ann's Hd.)	30.10	55	WSW	5	b	29.83	− .19	54	52	+ 1	SW	6	cq	5	b	5.6	55	52	0.01
	Scilly	30.16	55	WSW	4	c	29.83	− .30	54	49	− 1	S	6	c	4	c	8.7	59	49	—
	Jersey (St. Aubin's) ...	30.23	54	W	2	bc	30.05	− .13	53	48	− 1	E	4	b	3	bc		60	45	—
	Portland Bill ...	30.19	54	NW	3	o	30.03	− .06	53	49	+ 1	S	4	c	4	c.o	•	56	50	—
	Dungeness	30.16	50	NW	2	bc	30.10	+ .04	54	52	+ 6	SW	3	b	3	b.bc	•	59	46	—
	London (Brixton) ...	30.15	48	WSW	2	bc	30.08	+ .02	49	47	+ 4	S	2	b	•	c.o.bw	7.0	56	43	—
	Oxford	30.18	48	SW	1	b	30.04	+ .01	43	42	0	SSW	2	b	•	b	•	56	41	—
	Yarmouth	30.10	47	WSW	2	b	30.06	+ .15	49	48	+ 3	S	2	bm	3	c.b	•	51	40	—
Germany.	Cuxhaven	29.97	47	W	5	b	30.17	+ .36	39	38	− 6	SW	3	b	•	b	•	50	37	0.08
	Berlin	30.05	46	W	4	bc	30.30	+ .42	40	39	− 8	W	2	b	•	bc	•	50	39	—
	Wiesbaden	•	•	•	•	•	30.30	+ .29	36	35	− 14	W	2	b	•	•	•	55	34	—
	Munich	30.30	45	SW	3	c	30.32	+ .31	35	35	− 17	SE	4	b	•	c	•	57	32	0.20
France & Netherlands.	The Helder ...	30.10	52	WNW	4	b	30.13	+ .25	42	41	− 8	S	1	m	1	b	•	52	41	—
	Brussels	•	•	•	•	•	30.21	+ .13	42	41	− 1	SE	3	b	•	b	•	55	38	—
	C. Gris Nez ...						30.14	+ .12	46	45	− 4	S	2	c	1	b	•	55	43	—
	Paris	30.27	47	NW	2	b	30.16	+ .03	34	34	− 12	E	2	b	•	b	•	59	33	—
	Brest	30.26	55	W	1	bc	29.97	− .24	50	47	− 7	ESE	4	c	4	bc	•	59	46	—
	Lorient	30.26	53	Z	0	b	29.96	− .25	49	49	− 2	E	4	b	3	b	•	64	46	—
	Rochefort	30.21	54	NE	3	b	29.96	− .14	47	45	− 5	ESE	4	o	•	b	•	61	45	—
	Belfort	30.23	46	E	1	o	30.22	?	34	?	− 21	E	3	m	•	o	•	61	34	0.12
	Lyons	30.25	48	N	2	o	30.24	+ .21	45	44	− 12	NE	1	m	•	o	•	58	44	0.35
	Nice	30.08	60	Z	0	o	30.13	+ .02	59	59	+ 5	Z	0	c	1	o	•	68	54	—
	Perpignan	30.10	63	NW	1	c	30.09	+ .04	59	56	+ 2	NE	1	o	•	c.b	•	75	57	—
	Biarritz	30.10	58	NNE	1	o	29.92	− .11	57	56	− 3	NNE	3	c	3	o	•	61	55	—
Span. Pen.	Corunna																•			
	Lisbon	29.97	62	SW	1	b	29.93	− .10	58	58	− 5	NNE	3	f	•	b	•	66	57	—
	Azores (P. Delgada)	30.13	64	SSW	5	c	29.89	− .45	63	60	+ 4	NW	4	o	4	c	•	68	63	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 recorded on the Tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 6·5 hrs.

WEATHER CHARTS

FOR *Wednesday, 1st November, 1899.*

BAROMETER, WIND AND SEA.

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

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

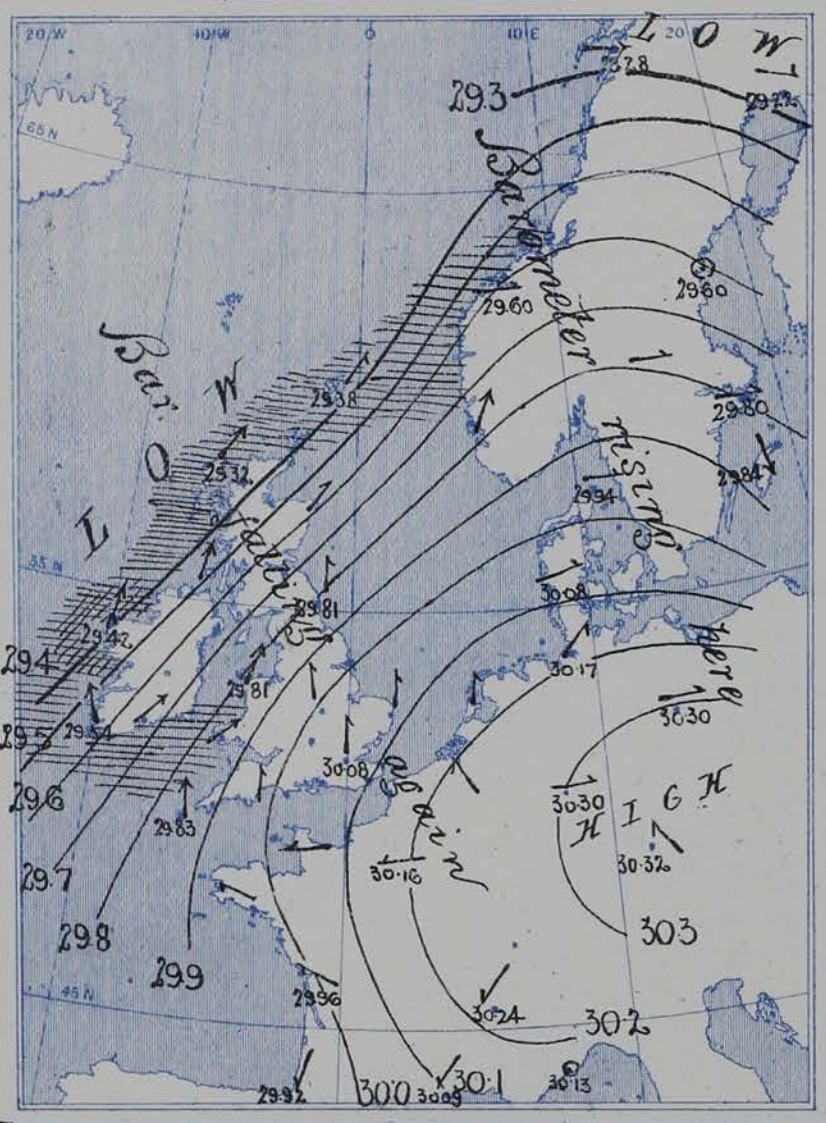
SEA.—Rough ▒ : *High* ▓

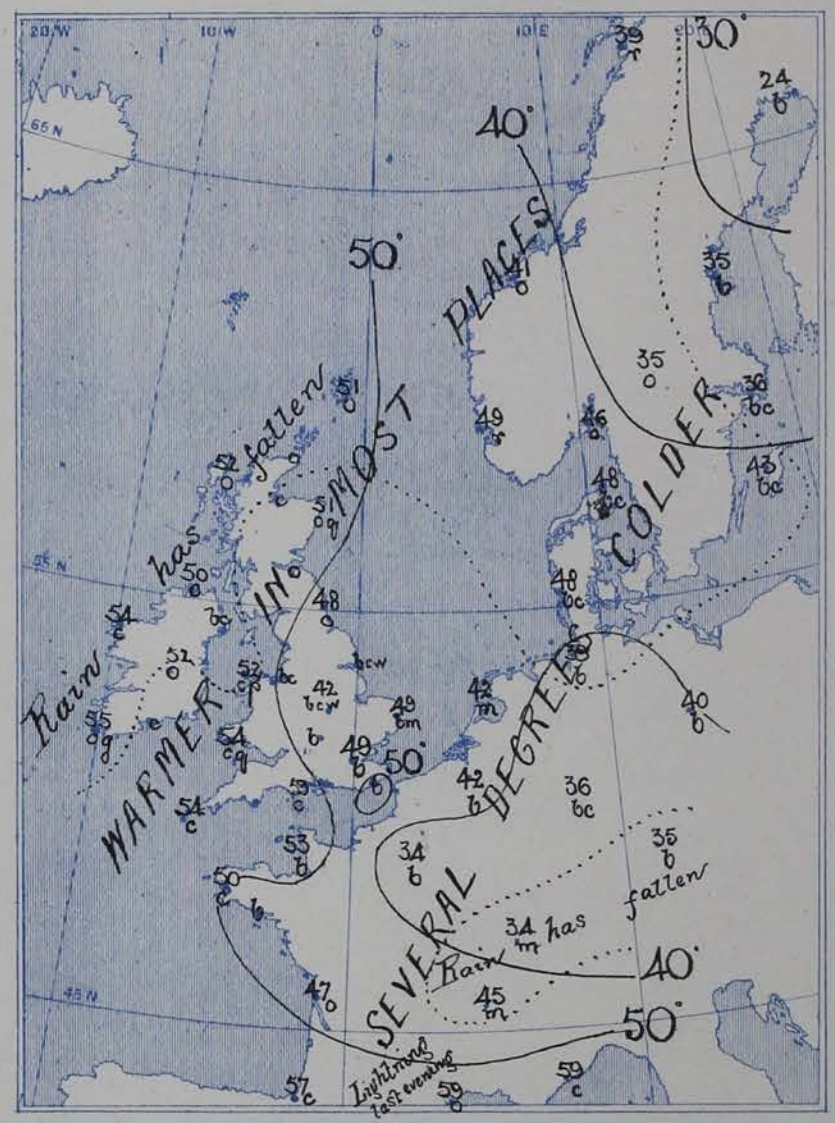
TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 inches and upwards in Germany; 29.9 inches and upwards in an anticyclone extending from Central Europe over England, France, the Netherlands, Denmark and the greater part of the North Sea.
Lowest 29.3 inches and less in the north of Scandinavia, and also in a depression skirting the northwest of Scotland.
Gradients steep over the west and north of our Islands and rather steep over Scandinavia, but moderate or slight elsewhere.
Barometer falling in our Islands and France, – briskly in Ireland; rising in Scandinavia, Denmark and Germany.

TEMPERATURE

Highest 59° at Nice and Perpignan, 58° at Lisbon, 55° at Valencia (Ireland), and Roche's Point.
Lowest (1) 24° at Kafaranda and 35° at Haparanda and Karlstad, (2) 34° at Paris and Belfort and 35° at Munich.
During yesterday the thermometer rose to 55° and upwards at several of our central and southern stations and to 60° at Jersey.

WIND

Southerly or Southwesterly in our Islands, and strong in force in the west with a gale at Blackrock Point.
Southwesterly or Westerly in Norway and Denmark. Northwesterly in Sweden.
Light to moderate from the Eastward (Southeast to Northeast) in France.

WEATHER

Fine over the greater part of England and also over the Netherlands Central France, Germany Denmark and Sweden.
Cloudy or dull in the west and north of our Islands and also in the Norwegian coasts, with passing showers at Holyhead, and steady rain at Bodi and Thudonaes.
Since yesterday morning rain has fallen in the north of Scotland and in several parts of Ireland as well as in Scandinavia, Denmark, Germany and Central France.

SEA

High at Blackrock Point, and rather rough on our western and extreme northern coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Deep depressions are now moving northwards along our extreme western coasts, and a further increase of wind from South and Southwest is probable in those regions. As the anticyclone moves away to the eastward a gradual extension of cloudy unsettled weather is likely to take place over nearly the whole Kingdom.

FORECASTS

For the 24 hours ending at NOON on NOVEMBER 2ND 1899.

DISTRICTS.		FORECASTS.
▼ 0	SCOTLAND NORTH	Southerly and Southwesterly winds, increasing in force; squally, some rain.
▼ 1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	Southerly and Southwesterly winds, freshening; fine at first, cloudy later, probably some rain.
▼ 6	SCOTLAND WEST	Southerly and Southwesterly winds, increasing to a gale; squally, some rain.
▼ 7	ENGLAND N.W.	
▼ 8	ENGLAND S.W.	Southerly to Southwesterly winds, strong, squally; some showers.
▼ 9	IRELAND NORTH	Southerly to Southwesterly gales, and strong winds; squally, some rain.
▼ 10	IRELAND SOUTH	
	WARNINGS	The South Cone was hoisted yesterday in Districts 0, 6, 7, 9, and 10, and part of 1 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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.37	45	42	WSW	9	r	5
Sumburgh Head	29.50	45	41	WNW	6	bc	6
Stornoway... ...	29.69	49	45	WSW	3	o	3
Aberdeen	29.76	49	42	WSW	4	bq	2
Shields	29.89	50	45	WSW	3	b	2
Malin Head ...	29.82	50	48	SW	5	o	4
Blacksod Pt.. ...	29.84	54	50	WSW	6	cp	5
Holyhead	30.02	51	47	WSW	3	c	2
Valencia	30.02	56	53	SSW	5	cm	5
Scilly	30.16	57	52	WSW	5	c	4
Jersey	30.24	59	51	W	4	bc	3
Portland Bill ...	30.15	55	50	NW	4	c	4
Dungeness ...	30.10	58	54	NW	4	b	3
London (Westminster)	30.10	57	50	WSW	3	c	*
Yarmouth ...	30.01	51	47	W	4	c	4
Rochefort ...	30.18	59	55	NE	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 at one or two of our extreme northern and northwestern stations. Fine in the Netherlands, Sweden and Finland as well as in Greece and Southern Italy, but cloudy or dull over the Continent as a whole, with rain in the west of Norway, at Archangel, Uleaborg, and several stations in the central and southern parts of France. Rain falling later in several parts of Ireland and the north of Scotland and also in Scandinavia, Denmark, Germany and Central France.

Temperature fallen over England and the western and northern parts of the Continent, but risen elsewhere. Morning readings highest 72° at Algiers and 70° at Barcelona and Malta; above 60° at most of the Mediterranean and Spanish coast stations. Lowest 33° at Haparanda, 35° at Archangel and 36° at Uleaborg and Kuopio; lowest in our Islands 40° at Nairn, Leith and Shields. Rising during day to 55° and upwards at several of our own central and southern stations and to 60° at Jersey; exceeding 60° in the west and south of France and reaching 75° at Perpignan.

Wind fresh to strong from the West in the west and south of our Islands and from the Northwest in the north of Scotland; moderate to fresh from the Southwest on the eastern coasts of Great Britain and also over the Netherlands, Denmark and the greater part of Germany and Scandinavia, but strong to a gale from the west in the west of Norway. Variable over southern Europe generally but light from the South or Southwest in the south of Russia. Subsequently backing to the Southwest or South on our western and northern coasts.

Barometer Highest 30.2 inches and upwards in the northwest of France and also over Austria and Southern Italy. 30.1 inches and upwards in an anticyclone covering the greater part of Central and Southern Europe. Lowest 29.0 inches and less in a large depression over the extreme northern parts of Russia and Scandinavia. 29.2 inches and less in a secondary system off the Norwegian Coast. New depression approaching our western coasts later and barometer falling rather decidedly in 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.

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 2nd November, 1899.

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	26	SW	4	b	29.71	+.49	19	18	- 5	NW	2	b	•	b	•	28	19	-
	Hernösand	29.58	37	NW	2	o	29.74	+.14	41	39	+ 6	L	o	c	•	o	•	41	27	-
	Stockholm	29.56	43	SW	2	o	29.92	+.12	46	44	+ 10	WSW	2	o	•	o	•	48	34	-
	Wisby	30.02	47	W	6	o	30.03	+.19	43	41	o	SW	4	b	•	o	•	46	39	-
	Karlstad	29.84	49	SW	4	o	29.90	+.03	47	46	+ 12	SSW	2	o	•	o	•	•	•	-
	Bodö	29.47	38	L	o	o	29.44	+.16	37	35	- 2	E	4	r	1	o	•	39	32	0.24
	Christiansund ...	29.46	51	W	4	r	29.47	-.13	47	43	+ 6	ENE	2	c	5	r	•	52	39	0.87
	Skudesnaes ...	29.80	51	SSW	6	c	29.64	-.11	50	49	+ 1	SSE	8	o	5	c,c	•	52	41	•
	Færder (X'iania Fjord)	29.82	51	SSW	6	o	29.84	-.02	48	46	+ 2	SSW	4	o	3	o	•	50	46	-
	The Scaw (Skagen)	29.97	48	SW	4	m	29.88	-.06	46	44	- 2	SSW	3	m	o	m	•	52	45	-
	Fanö	30.04	45	SSW	3	b	29.84	-.24	38	37	- 10	SSE	4	b	•	b	•	54	37	-
British Islands	Sumburgh Head ...	29.40	51	SW	4	o	29.11	-.27	50	49	- 1	S	6	r	6	o	•	52	48	0.02
	Stornoway	29.22	53	SSW	8	o	29.03	-.29	49	48	- 3	WSW	4	o	4	o	0.3	54	45	0.03
	Wick	29.40	51	S	6	c	29.10	-.36	52	50	o	S	6	c	4	c	•	54	48	0.02
	Nairn	29.40	52	WSW	2	bc	29.10	-.40	55	53	+ 2	SW	1	b	1	bc	•	57	48	-
	Aberdeen	29.53	50	S	6	o g g	29.21	-.41	52	50	+ 1	S	8	c g g	6	c.o g r	0.6	54	47	0.03
	Leith	29.57	50	S	1	c	29.25	-.43	55	53	+ 2	SSW	1	c	•	c	•	56	47	-
	Shields	29.65	49	S	3	c	29.35	-.46	53	52	+ 5	S	4	o	2	c	•	55	44	-
	Spurn Head ...	29.77	50	SSE	5	b	29.50	-.47	54	53	+ 10	S	6	c w	4	b	•	54	42	-
	Loughborough ...	29.74	47	SE	3	b	29.50	-.52	57	55	+ 15	S	3	o	•	bc.b,o.c	•	57	42	-
	Malin Head ...	29.20	50	S	7	o g	29.10	-.38	50	49	o	SSW	3	c g	2	o.o g	•	55	47	0.05
	Blacksod Pt. ...	29.10	54	S	8	r	29.05	-.37	51	48	- 3	SW	6	bc	6	c.r	•	56	48	0.89
	Donaghadee ...	29.46	53	S	5	c	29.21	-.48	53	52	+ 2	SSW	4	c g	3	c g p	•	55	50	0.01
	Liverpool (Bidston)	29.62	48	ESE	4	b	29.37	-.51	56	53	+ 9	SE	3	o	3	bm	•	56	46	-
	Holyhead	29.54	52	S	6	c g p	29.31	-.50	54	53	+ 2	SSW	4	o	4	c.c g p	•	55	47	0.15
	Parsonstown ...	29.20	51	SE	3	r	29.21	-.43	50	49	- 2	SW	1	o	*	c.o r g	1.4	56	50	0.13
	Valencia	29.15	56	SSE	5	r	29.18	-.36	51	49	- 4	S	3	c	4	o r	0.1	57	50	0.34
	Roche's Point ...	29.29	55	SSW	8	r	29.25	-.44	55	54	o	SW	4	o	4	r	*	56	52	0.10
	Pembroke (St. Ann's Hd.)	29.32	54	SSE	7	o	29.35	-.48	57	56	+ 3	S	6	o g g p	6	c.o	3.1	57	51	0.32
	Scilly	29.46	55	SSE	7	o	29.34	-.49	57	55	+ 3	SSW	5	c	5	c.o	1.4	57	48	0.24
	Jersey (St. Aubin's) ...	29.73	57	SSE	5	c	29.61	-.44	59	58	+ 6	SE	5	o m	4	b.c.g	•	59	52	-
	Portland Bill ...	29.71	56	SSE	5	c	29.55	-.48	57	57	+ 4	S	5	o	5	b.c	•	57	51	-
	Dungeness	29.83	54	SSW	5	b	29.67	-.43	58	58	+ 4	SSW	5	c	4	b	•	59	53	0.01
	London (Brixton) ...	29.80	48	S	2	b	29.62	-.46	59	58	+ 10	S	4	o r	*	bc.b,o d	7.1	59	47	0.01
	Oxford	29.69	48	SSE	4	bc	29.55	-.49	58	56	+ 15	S	4	o d	*	bc.o	•	58	43	-
	Yarmouth	29.85	52	SSE	5	b	29.62	-.44	56	55	+ 7	S	4	c g	4	b	•	56	47	-
Germany	Cuxhaven	30.08	45	S	1	b	29.86	-.31	38	37	- 1	S	3	b	•	b	•	50	36	-
	Berlin	30.25	44	SE	3	b	30.04	-.26	37	35	- 3	SE	2	bc	•	b	•	50	36	-
	Wiesbaden	•	•	•	•	•	30.05	-.25	46	45	+ 10	E	1	c	•	•	•	52	43	-
	Munich	30.18	38	E	2	b	30.17	-.15	39	38	+ 4	SE	2	bc	•	b	•	48	35	-
France & Netherlands	The Helder ...	29.95	48	SE	1	b	29.75	-.38	51	49	+ 9	S	1	bc	1	b	•	55	42	-
	Brussels	•	•	•	•	•	29.84	-.37	57	54	+ 15	SSE	4	b	•	b	•	57	41	0.04
	C. Gris Nez ...	29.88	51	S	5	c	29.69	-.45	57	55	+ 11	S	5	c	4	c	•	57	46	-
	Paris	29.91	48	SE	2	c	29.83	-.33	57	54	+ 23	SSE	2	o	•	c	•	57	34	0.04
	Brest	29.63	58	SE	4	o	29.52	-.45	59	59	+ 9	SSW	5	o	5	o	•	61	50	-
	Lorient	29.68	61	S	4	f	29.59	-.37	60	59	+ 11	S	2	o	5	f	•	64	49	0.04
	Rochefort	29.78	61	ESE	3	c	29.71	-.25	60	58	+ 13	SSE	4	c	•	c.c	•	64	47	-
	Belfort	30.06	48	ENE	6	c	30.04	-.18	50	48	+ 16	ENE	1	r	•	c	•	51	34	-
	Lyons	30.04	60	S	2	o	30.03	-.21	62	57	+ 17	S	2	c	•	o	•	65	50	0.28
	Nice	30.18	59	L	o	b	30.19	+.06	62	57	+ 3	E	1	c	3	b	•	64	54	-
	Perpignan	30.00	65	L	o	b	30.00	-.09	65	62	+ 6	S	2	c	•	b	•	73	59	-
	Biarritz	29.80	72	S	4	c	29.76	-.16	71	61	+ 14	S	5	bc	3	c.l	•	73	57	-
Span. Pen.	Corunna																•			
	Lisbon														•		•			
	Azores (P. Delgada)	30.02	60	NW	4	bc	30.09	+.20	59	53	- 4	NNW	4	o	4	bc	•	68	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 2.4 hrs.

WEATHER CHARTS

FOR Thursday, 2 November, 1899.

BAROMETER, WIND AND SEA.

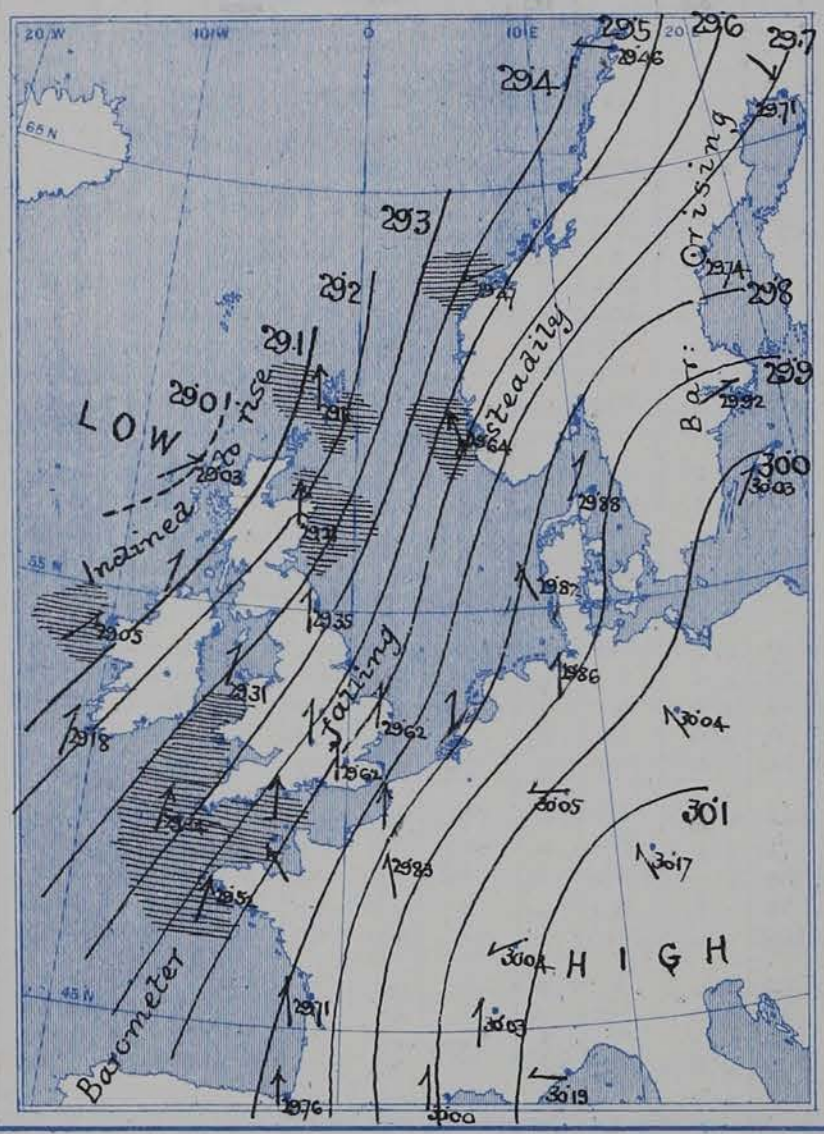
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫→ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩→ : *Force 1 to 4* → : }

SEA.—Rough ▭ : *High* ▬


20°W
10°W
0
10°E
20°E
65°N
55°N
45°N
295
296
297
294
293
292
291
290
298
299
300
301
LOW
Inclined
rise
Steadily
rising
B & r:
falling
Barometer
H I G H
1003
1004
1005
1017
1019
1003
1003
1005
1003
1003
1003

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 in: and upwards over South Germany, Switzerland, and the south east of France.
Lowest, 29·0 in: and less, in a depression off the north west of Scotland.
Gradients steep over the northern parts of the North Sea, and rather steep over Western Europe generally.
Barometer falling generally, but inclined to rise on our extreme north west coasts, rising in Sweden.

TEMPERATURE

Highest, 71° at Biarritz, 65° at Perpignan, 62° at Lyons and Nice, 60° at Lorient and Rochefort, and 59° in London and at Jersey and Brest.
Lowest, (1) 19° at Haparanda, and 37° at Bodö; (2) 37° at Berlin and 38° at Jan Mayen and Lerwick
A considerable rise has taken place over England and France, the change in the past twenty four hours amounting to 15° at Loughborough and Oxford, 16° at Brest, 17° at Lyons and 23° at Paris.

WIND

S. over Western Europe as a whole, but SW. at some of our more western stations; strong in force on several of the more exposed parts of our coasts, with a gale at Aberdeen and also at Skudesnaes.
Light from the SE. or E. in Germany and the east of France. E. also in the west of Norway.

WEATHER

Cloudy or dull in most places, with rain or passing showers in several parts of England, as well as at Sumburgh Hd. Rain is also falling at Bodö and Brest.
Fine in Denmark, Germany, and the Netherlands.
Rain fell yesterday in the west and extreme north of our Islands generally and also in the west of Norway, the largest amount reported being 0·9 in: at Blacksod Point and Christiansund. Lightning was seen at Biarritz.

SEA

Rough or rather so on many parts of our western and northern coasts, as well as on the north west coasts of France.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed off our western coasts yesterday has moved northwards, and the barometer has risen slightly in its rear. At Valencia (Ireland) however, the rise has now ceased, and as the wind there still holds to the southward it is probable that further depressions are approaching our shores.

FORECASTS

For the 24 hours ending at NOON on 3rd NOVEMBER, 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. winds, strong, a gale in places; mild, changeable, some rain.	6 SCOTLAND WEST	SW. to S. winds, strong; cloudy, unsettled, some rain.
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	S. winds, strong in places; mild, changeable, some showers, with bright intervals.	WARNINGS	At 7·20 pm yesterday to districts 1 to 3 and 5 "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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.79	52	50	SSW	6	0	4
Sumburgh Head	29.40	52	49	SW	4	0	5
Stornoway... ...	29.29	54	50	SW	8	0	8
Aberdeen	29.56	52	48	S	5	c	4
Shields	29.74	54	48	SSW	4	c	2
Malin Head ...	29.38	52	51	S	6	0	4
Blacksod Pt.. ...	29.26	56	50	SSW	9	c	7
Holyhead	29.66	53	48	SSW	6	c	5
Valencia	29.29	56	52	SSE	1	or	6
Scilly	29.58	55	?	SSE	1	c	?
Jersey	29.85	55	50	SE	3	b	4
Portland Bill ...	29.83	54	49	SSE	6	b	5
Dungeness ...	29.94	56	54	SSE	4	b	4
London (Westminster)	29.89	56	49	S	4	bc	*
Yarmouth ...	29.95	54	49	S	4	b	4
Rochefort ...	29.88	61	57	ESE	2	o	*

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

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Friday, 3rd November, 1899.

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	29.78	34	SW	2	o	29.62	-.09	38	37	+19	S	2	o	•	o	•	38	16	-
	Hernösand	29.71	41	S	2	b	29.63	-.11	40	37	-1	S	4	o	•	b	•	46	32	0.04
	Stockholm	29.95	41	SW	2	c	29.84	-.08	44	43	-2	S	2	f	•	c	•	50	39	-
	Wisby	30.00	42	SW	4	b	29.91	-.12	46	45	+3	S	4	b	•	b	•	46	37	-
	Karlstad	29.84	43	SW	0	c	29.65	-.25	47	46	0	SE	2	bc	•	c	•	•	•	-
	Bodö	29.31	43	E	5	o	29.12	-.32	43	40	+6	E	5	c	2	o	•	43	34	0.16
	Christiansund ...	29.36	54	ENE	1	o	29.12	-.35	51	50	+4	WSW	6	r	5	o	•	54	46	-
	Skudesnaes ...	29.50	53	SSE	8	o	29.30	-.34	53	53	+3	S	8	of	8	r.o	•	54	41	•
	Færder (X'iania Fjord)	29.76	49	S	4	m	29.48	-.36	52	51	+4	SSE	6	o	4	m	•	52	48	0.59
	The Scaw (Skagen)	29.76	49	SSW	4	m	29.58	-.30	51	50	+5	SSW	4	m	1	m	•	51	46	-
	Fanö	29.75	54	SSE	6	o	29.65	-.19	54	52	+16	S	4	c	•	o	•	54	37	-
British Islands.	Sumburgh Head ...	29.08	51	S	4	o	28.89	-.22	46	44	-4	WSW	4	c	5	o	•	53	45	0.15
	Stornoway	28.92	52	SSW	5	o	28.73	-.30	49	45	0	SW	5	r	5	p.or l	0.8	53	43	0.60
	Wick	29.00	51	S	5	c	28.89	-.21	49	47	-3	S	6	c	4	c	•	55	44	0.02
	Nairn	29.04	53	SW	1	c	28.90	-.20	46	43	-9	W	1	bc	1	c	•	60	40	0.02
	Aberdeen	29.14	51	S	4	o gqr	29.01	-.20	48	44	-4	SSW	4	cq	4	bc.gqr	1.7	55	46	0.15
	Leith	29.13	54	SW	3	r	29.01	-.24	52	46	-3	SSW	3	o	•	r	•	61	46	0.18
	Shields	29.24	54	S	4	o	29.23	-.12	48	46	-5	SSW	4	c	2	o mr.o	•	61	46	0.27
	Spurn Head ...	29.39	56	S	6	bc	29.45	-.05	52	50	-2	SSW	6	c	4	bc	•	58	50	-
	Loughborough ...	29.42	59	SSW	5	o	29.47	-.03	51	48	-6	SSW	5	cq	•	op.c.bq	•	62	50	0.06
	Malin Head ...	28.99	50	SSW	6	b	28.68	-.42	47	47	-3	SSW	5	r	4	c.b	•	54	43	0.12
	Blacksod Pt.	29.02	52	SSW	6	cp	28.80	-.25	46	44	-5	W	3	r	4	bc.cp.tl	•	55	44	0.62
	Donaghadee ...	29.15	52	SSW	3	bc	28.94	-.27	52	50	-1	SSW	7	r	6	r.bc	•	56	45	0.23
	Liverpool (Bidston)	29.30	55	SSW	2	o	29.27	-.10	51	47	-5	SE	3	o	3	p.ol	•	61	48	0.13
	Holyhead	29.25	54	SW	4	opm	29.14	-.17	53	52	-1	S	8	rq	6	o.lpm	•	56	47	0.59
	Parsonstown ...	29.17	49	SE	2	r	28.87	-.34	51	49	+1	SE	2	rq	•	c.r	1.4	55	45	0.26
	Valencia	29.18	52	SW	3	oprh	28.89	-.29	49	47	-2	SW	7	qmr	6	bc.prh	3.6	56	47	1.65
	Roche's Point ...	29.23	56	WSW	6	cp	29.02	-.23	56	54	+1	SW	8	qlr	6	q.cp	•	57	55	0.45
	Pembroke (St. Ann's Hd.)	29.23	55	SW	6	o	29.27	-.08	56	54	-1	SW	8	o	7	o.	0.0	57	54	0.02
	Scilly	29.39	59	SSW	4	o	29.40	+.06	57	54	0	SSW	8	o	6	o.	0.0	59	53	0.12
	Jersey (St. Aubin's) ...	29.58	60	SSW	5	o qphr	29.75	+.14	57	54	-2	SSW	5	b	4	o.phr	•	62	55	0.46
	Portland Bill ...	29.50	58	S	5	op	29.62	+.07	56	52	-1	SW	6	c	6	or.p	•	59	53	0.05
	Dungeness	29.57	62	SSW	4	c	29.68	+.01	57	54	-1	WSW	7	c	6	c	•	63	57	0.15
	London (Brixton) ...	29.55	56	SW	2	o	29.63	+.01	54	51	-5	SSW	4	b	•	or.cqp.b	0.0	62	52	0.56
	Oxford	29.45	58	S	5	o	29.57	+.02	52	49	-6	SSW	3	b	•	o qp	•	61	50	0.01
	Yarmouth	29.53	58	S	4	o	29.59	-.03	55	53	-1	SSW	4	b	4	c.o	•	59	52	0.19
France & Netherlands. Germany.	Cuxhaven	29.82	54	S	2	b	29.71	-.15	55	52	+17	S	4	b	•	b	•	59	38	-
	Berlin	30.03	50	SE	2	b	29.98	-.06	48	46	+11	SE	2	c	•	b	•	55	37	-
	Wiesbaden	•	•	•	•	•	29.97	-.08	51	50	+5	E	2	o	•	•	•	59	46	-
	Munich	30.15	45	E	1	b	30.12	-.05	44	42	+5	SSE	3	b	•	b	•	61	37	-
	The Helder ...																•			
	Brussels	•	•	•	•	•	29.83	-.01	57	54	0	SSW	3	o	•	b	•	68	55	-
	C. Gris Nez ...																•			
	Paris	29.75	66	SSE	3	o	29.89	+.06	56	55	-1	S	3	r	•	o	•	71	55	0.16
	Brest	29.52	57	SW	3	r	29.69	+.17	57	54	-2	SSW	5	c	5	r	•	59	50	0.12
	Lorient	29.61	58	SSW	5	r	29.79	+.20	59	59	-1	SW	5	c	5	r	•	63	57	0.04
	Rochefort	29.75	61	W	5	o	29.84	+.13	60	58	0	W	4	o	•	o	•	68	57	0.35
	Belfort	29.98	58	E	4	c	29.98	-.06	54	51	+4	SW	0	c	•	c	•	67	53	-
	Lyons	30.08	56	S	2	r	?	?	?	?	?	SW	1	b	•	r.lq	•	66	56	?
	Nice	30.20	61	E	2	bc	30.24	+.05	57	55	-5	E	4	bc	3	bc	•	68	54	-
	Perpignan	29.97	66	S	4	b	30.00	.00	64	63	-1	SE	1	o	•	b	•	75	62	0.04
	Biarritz	29.72	68	S	3	o	29.87	+.11	62	61	-9	SW	0	m	5	o.l	•	77	63	0.20
Spain. Pen.	Corunna																•			
	Lisbon	29.89	60	WSW	1	o	30.10	+.34	57	51	-8	WNW	3	bc	•	o	•	64	54	1.34
	Azores (P. Delgada)	30.23	63	WSW	4	c	30.23	+.14	63	59	+4	W	4	bc	4	c	•	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 1.1 hrs.

WEATHER CHARTS

FOR Friday, 3rd November, 1899.

BAROMETER, WIND AND SEA.

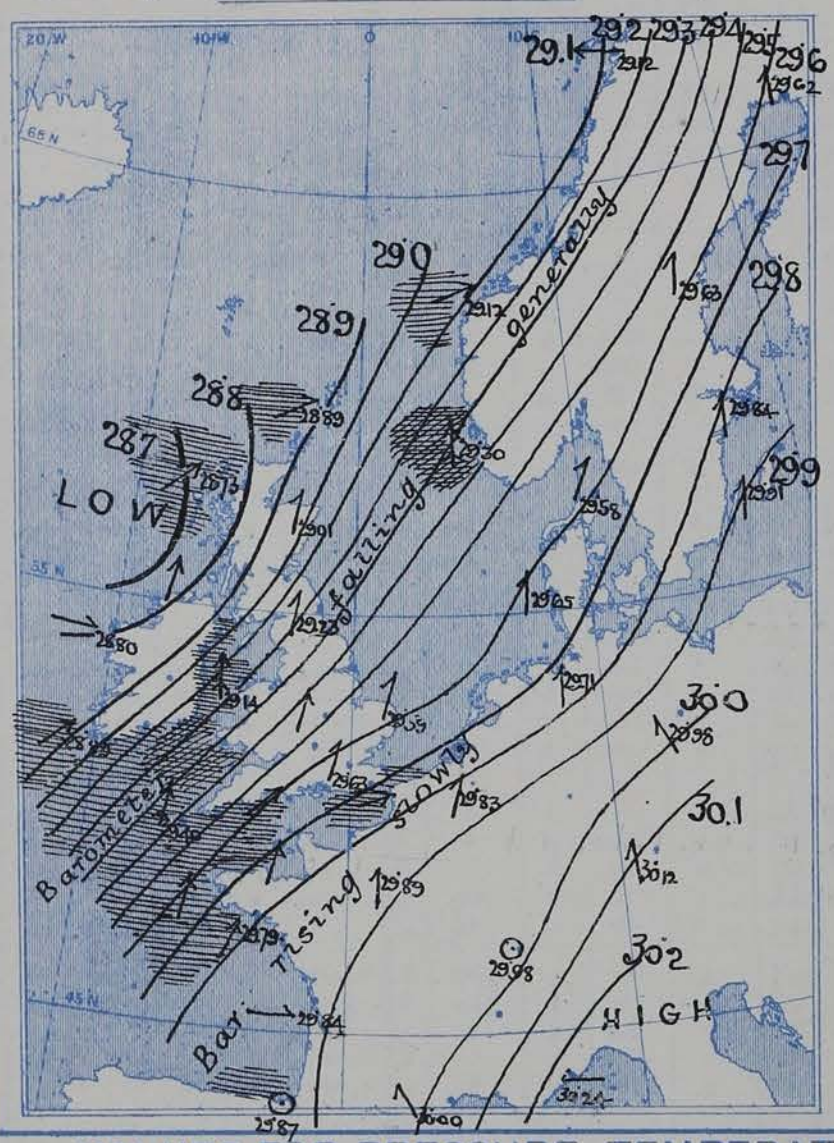
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓

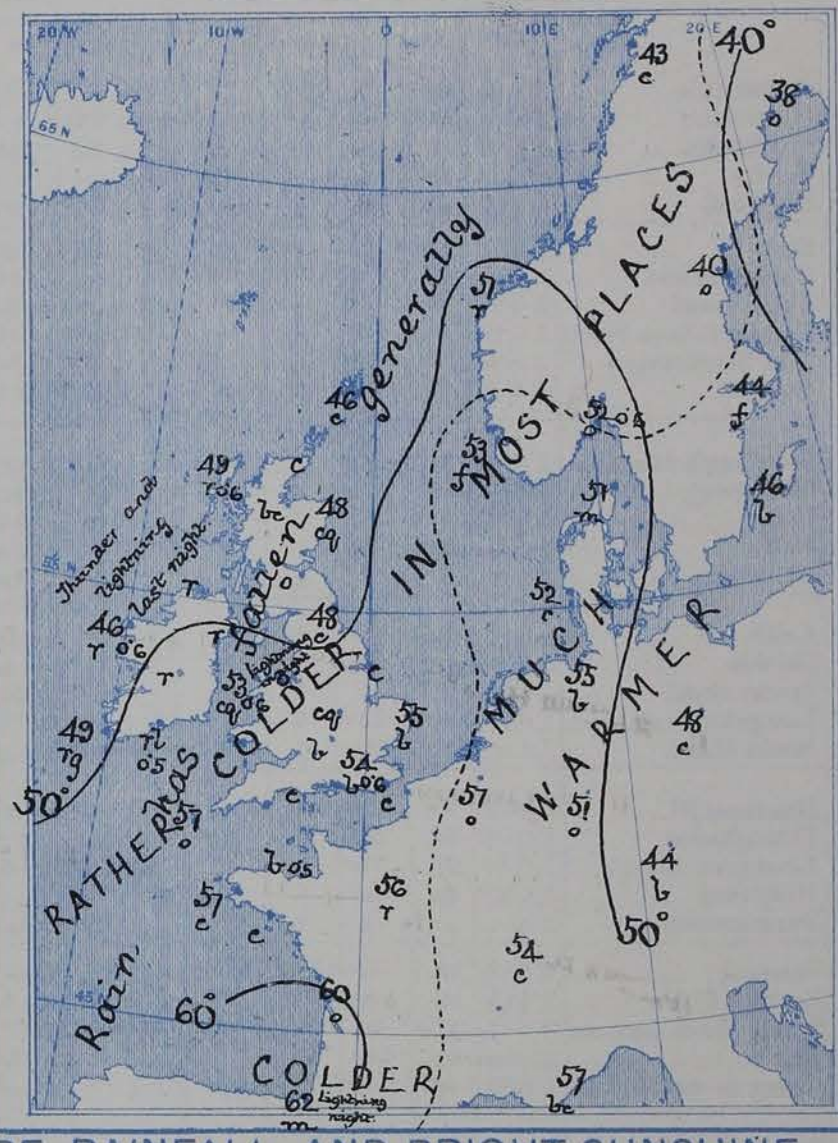


TEMPERATURE AND WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 an anticyclone with its western border over Germany, and also in another system over the southern parts of the Spanish Peninsula.
Lowest, 28·7 in: and less, in a deep depression with its centre off the west of Scotland.
Gradients steep or rather so over north-western Europe generally.
Barometer rising slightly over France and the south-east coasts of England, falling in most other localities, but fall checked at Valencia (Ireland).

TEMPERATURE

Highest, 64° at Perpignan, 62° at Biarritz and 60° at Rochefort; highest in our Islands 57° at Scilly, Jersey, and Dungeness.
Lowest (1) 38° at Haparanda, 40° at Hernösand, and 43° at Bodö; lowest in our Islands 46° at Sumburgh Hd., Nairn, and Blackrod Point.
During yesterday the thermometer rose to 60° or slightly above it in many parts of Great Britain; on our extreme north and north-west coasts it did not exceed 55°.

WIND

S^ly^ or SW^ly^ over nearly the whole of Western Europe; strong in force in many places, and blowing a gale on our own south-western coasts and also in the south of Norway.
Light from the E^ly^ or SE^ly^ in Germany and the extreme south of France.

WEATHER

Fair or fine in the east and south of our Islands, as well as in Germany, Denmark, and the south of Sweden.
Dull elsewhere, with rain over the whole of Ireland and the west of Scotland, as well as at Christiansund and Paris.
Rain fell yesterday over nearly the whole of our Islands and France, the largest amounts reported being 1·7 in: at Valencia (Ireland) and 0·6 in: at Stornoway, Blackrod Pt and London. Thunder and lightning occurred last night at Blackrod Pt, and lightning was seen at Stornoway, Liverpool, Rockcliffe, Biarritz, and Lyons.

SEA

Very high at Skudenaes, high at Pembroke, and rough or rather so on all but our east coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past night a new depression has advanced quickly to our extreme north-west coasts. The disturbance will probably cause a considerable increase of wind in the north, and some increase even in the south, with equally unsettled weather in most districts.

FORECASTS

For the 24 hours ending at NOON on 4th NOVEMBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
↑ 0 SCOTLAND NORTH	S^ly^ winds, increasing to a gale; fair at first, then squally and rainy.	↑ 5 SCOTLAND WEST	S^ly^ to W^ly^ gales and strong winds; squally, rainy.
↑ 1 SCOTLAND EAST		↑ 7 ENGLAND N.W	
↑ 2 ENGLAND N.E.		↑ 8 ENGLAND S.W.	SW^ly^ to W^ly^ gales and strong winds; squally and rainy at first, some improvement later.
↑ 3 ENGLAND EAST	SW^ly^ winds, strong to a gale; fine at first, some rain later.	↑ 9 IRELAND NORTH	Same as Nos 6 and 7.
4 MIDLAND COUNTIES		↑ 10 IRELAND SOUTH	Same as No 8.
↑ 5 ENGLAND SOUTH		WARNINGS	At 9·40 am to districts 0, 6, 7, and 9 Hoist South Cone. The signals are now flying in all districts excepting No 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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.57	51	49	SSE	9	r	9
Sumburgh Head	29.12	52	51	S	4	0	6
Stornoway... ...	28.99	53	51	SSW	5	0	5
Aberdeen	29.21	55	52	S	5	bc	5
Shields	29.30	60	55	S	4	om	2
Malin Head ...	29.05	52	50	S	5	c	4
Blacksod Pt.. ...	29.04	55	50	SW	7	bc	6
Holyhead	29.24	56	55	S	4	0	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.15	55	50	S	4	bc	5
Scilly	29.34	58	?	SSW	5	0	?
Jersey	29.56	62	60	SSE	4	0	4
Portland Bill ...	29.53	59	58	S	4	or	4
Dungeness ...	29.62	62	61	SSW	5	c	4
London (Westminster)	29.56	61	59	SW	3	ogq	*
Yarmouth ...	29.60	58	56	S	4	c	4
Rochefort ...	29.71	67	61	SSE	4	0	*

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

Weather in morning cloudy or dull over western and northern Europe generally with rain or passing showers in many parts of England, as well as at Sumburgh Head, Bodö and Ulealborg; snow falling at Archangel. Fine over the Netherlands, Denmark, Germany, Austria and Italy; dull over the Spanish Peninsula, with rain at Madrid. Rain falling later in nearly all parts of our Islands and France,—heavily in places; lightning occurring at night on our western coasts and thunder also at Blacksod.

Temperature rises over Western Europe, rapidly over England and France, but falls elsewhere. Morning readings highest 76° to 72° at the Algerian stations, 71° at Biarritz and 70° at Malta; above 60° at the Mediterranean and Spanish coast stations generally, and very little below it in the south and southeast of England. Lowest 19° at Haparanda, 25° at Ulealborg, 26° at Thorshio and 31° at Archangel. Rising during day to 60° or slightly above it in many parts of Great Britain, to 71° at Paris, 75° at Perpignan, and 77° at Biarritz.

Wind S^ly over Western Europe generally, but SW^ly on some parts of our western coasts; strong in force in many places, with a gale at Aberdeen and Skudesnaes. Light to moderate from the SW^ly or W^ly over Sweden and Russia, and from the SE^ly in Germany; variable in Austria and Italy. No important change occurring over Western Europe during day.

Barometer highest 30·4 ins: and upwards over Eastern Austria, 30·1 ins: and upwards in an anticyclone covering the whole of eastern and central, and the greater part of southern Europe. Lowest 29·0 ins: and less in a depression lying off the northwest of Scotland; 29·4 ins: and less, in another disturbance over the extreme north of Russia. Former depression subsequently moving away to the northward, but new disturbance approaching our extreme northwest coasts at 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.

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

DAILY WEATHER REPORT

for 8 a.m. on **Saturday, 4th November, 1899.**

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																			
	Hernösand																			
	Stockholm																			
	Wisby																			
	Karlstad																			
	Bodö																			
	Christiansund ...																			
	Skudesnaes ...																			
	Færder (X'iania Fjord)																			
	The Scaw (Skagen)	29.52	51	S	4	m	29.51	-.07	48	47	- 3	SW	4	m	1	m	•	54	46	0.43
	Fanö	29.56	52	S	6	o	29.63	-.02	50	49	- 4	WSW	3	c	•	o	•	55	48	0.20
British Islands	Sumburgh Head ...	29.37	49	SE	9	r	29.13	+.24	44	42	- 2	W	5	c	7	r	•	51	43	0.70
	Stornoway	28.54	45	WSW	3	o	29.24	+.51	41	40	- 8	W	3	o	3	or	0.3	49	37	0.80
	Wick	28.51	49	SW	6	r	29.30	+.44	43	41	- 6	W	3	bc	3	r	•	53	40	0.53
	Nairn	28.63	43	WSW	3	c	29.30	+.40	41	39	- 5	SW	1	b	1	c	•	51	39	0.48
	Aberdeen	28.69	43	SW	4	bcq	29.37	+.36	41	38	- 7	S	1	bmw	4	oqbcq	0.0	53	38	0.29
	Leith	28.74	42	WSW	4	r	29.38	+.37	44	41	- 8	SW	1	b	•	r	•	53	44	0.45
	Shields	29.08	49	SW	4	c	29.45	+.22	45	44	- 3	S	2	c	2	r.c	•	55	43	0.13
	Spurn Head ...	29.24	47	SSW	8	r	29.50	+.05	46	45	- 6	SW	4	bc	3	r.b	•	57	44	0.17
	Loughborough ...	29.34	47	SSW	4	o	29.58	+.11	48	46	- 3	SE	2	o	•	ogp.bc	•	57	45	0.21
	Malin Head ...	28.90	49	W	6	b	29.25	+.57	44	43	- 3	S	5	bc.	4	bc.r.b	•	49	42	0.16
	Blacksod Pt. ...	29.07	49	WSW	5	b	29.22	+.42	49	47	+ 3	SSE	4	c	4	prh.b	•	51	41	0.28
	Donaghadee ...	29.05	45	WSW	4	b	29.38	+.44	43	42	- 9	SSW	3	bc	3	r.b	•	53	38	0.84
	Liverpool (Bidston)	29.26	52	SW	5	o	29.51	+.24	46	44	- 5	SE	2	bc	2	up	•	56	44	0.21
	Holyhead	29.23	49	WSW	7	cq	29.44	+.30	52	49	- 1	SW	2	cmw	2	cq	•	54	44	0.83
	Parsonstown ...	29.20	45	SE	1	b	29.32	+.45	46	44	- 5	SE	1	o	•	r.b	3.4	52	40	0.66
	Valencia	29.26	52	SW	5	c	29.21	+.32	56	55	+ 7	SSE	6	qmr	6	o.c	2.0	56	45	0.19
	Roche's Point ...	29.31	51	WSW	4	c	29.35	+.33	55	54	- 1	SSE	3	f	3	c	•	56	46	0.32
	Pembroke (St. Ann's Hd.)	29.31	54	W	6	o	29.46	+.19	55	55	- 1	S	4	om	5	o		56	?	0.50
	Scilly	29.40	57	WSW	5	r	29.52	+.12	58	58	+ 1	SW	5	m	6	r	0.0	59	54	0.97
	Jersey (St. Aubin's) ...	29.64	60	SSW	7	cq	29.76	+.01	61	59	+ 4	S	6	om	5	c.q	•	62	56	-
	Portland Bill ...	29.45	57	SW	9	o	29.63	+.01	58	58	+ 2	SW	6	orm	7	or	•	58	50	1.12
	Dungeness	29.55	60	SW	8	c	29.67	-.01	59	58	+ 2	WSW	7	oq	6	c.q	•	63	56	0.03
	London (Brixton) ...	29.47	56	SW	7	rq	29.64	+.01	58	58	+ 4	SSW	4	c	•	cp.orq	3.4	60	49	1.14
	Oxford	29.48	49	SW	3	r	29.60	+.03	49	48	- 3	SSE	1	o	•	oq.r	•	58	45	0.71
	Yarmouth	29.41	56	SW	7	c	29.63	+.04	50	49	- 5	SSW	2	r	4	c.cq	•	59	46	0.57
France & Netherlands. Germany.	Cuxhaven	29.72	56	SSE	3	bc	29.68	-.03	54	53	- 1	SW	5	r	•	bc	•	59	50	0.12
	Berlin	29.91	54	SE	2	b	29.91	-.07	57	53	+ 9	S	3	c	•	b	•	63	48	-
	Wiesbaden	•	•	•	•	•	29.99	+.02	52	52	+ 1	SW	1	c	•	•	•	61	51	-
	Munich ...	30.14	52	SW	3	b	30.15	+.03	51	48	+ 7	S	4	o	•	b	•	61	44	-
	The Helder ...	29.56	58	SSW	6	o	29.66		53	52		SW	1	r	2	o	•	59	50	0.43
	Brussels	•	•	•	•	•	29.83	.00	55	52	- 2	SSW	6	o	•	b	•	61	53	0.04
	C. Gris Nez ...	29.62	57	SW	6	c	29.71		57	56		SW	7	r	7	c	•	61	54	0.12
	Paris	29.85	60	S	4	c	29.93	+.04	53	51	- 3	SSW	6	b	•	c	•	64	52	-
	Brest	29.67	59	SW	6	o	29.71	+.02	59	59	+ 2	SW	5	f	5	o	•	59	55	0.04
	Lorient	29.76	59	SW	6	c	29.80	+.01	60	60	+ 1	SW	6	m	6	c	•	63	59	-
	Rochefort	29.88	61	W	3	o	29.95	+.11	58	57	- 2	S	3	b	•	o	•	68	55	-
	Belfort	29.99	57	W	1	o	30.04	+.06	55	52	+ 1	ESE	1	c	•	o	•	62	51	-
	Lyons	30.00	62	S	3	o	30.07	?	61	55	?	S	2	o	•	o	•	67	59	0.12
	Nice	30.18	62	E	1	bc	30.17	-.07	58	57	+ 1	Z	0	c	4	bc	•	68	55	-
	Perpignan	29.95	65	Z	0	o	30.08	+.08	59	59	- 5	NW	2	c	•	o	•	74	57	-
	Biarritz	29.95	61	NW	3	r	29.98	+.11	57	53	- 5	SSE	3	c	5	r	•	64	55	0.12
Span. Pen.	Corunna																			
	Lisbon																			
	Azores (P. Delgada)	30.17	64	SW	5	bc	30.08	-.15	65	62	+ 2	SW	5	o	6	bc	•	68	63	-

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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0.1 hrs.

WEATHER CHARTS

FOR Saturday, 4th November, 1899.

BAROMETER, WIND AND SEA.

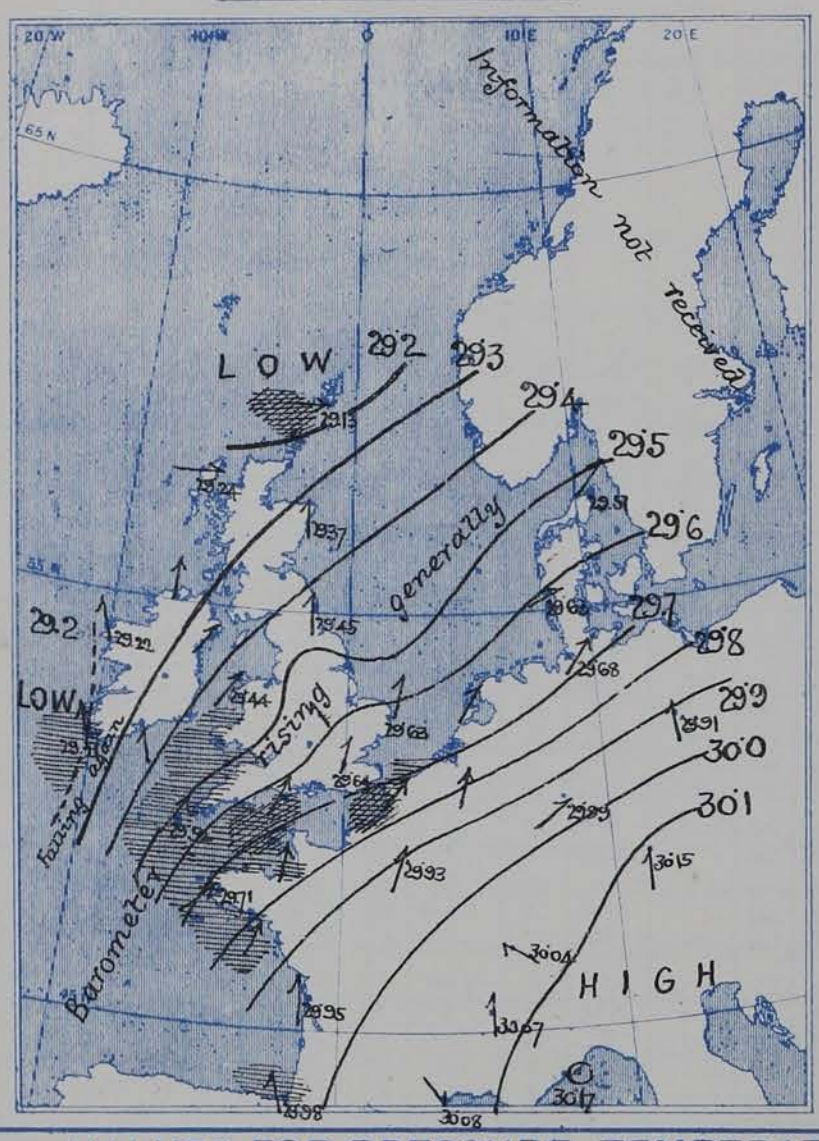
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

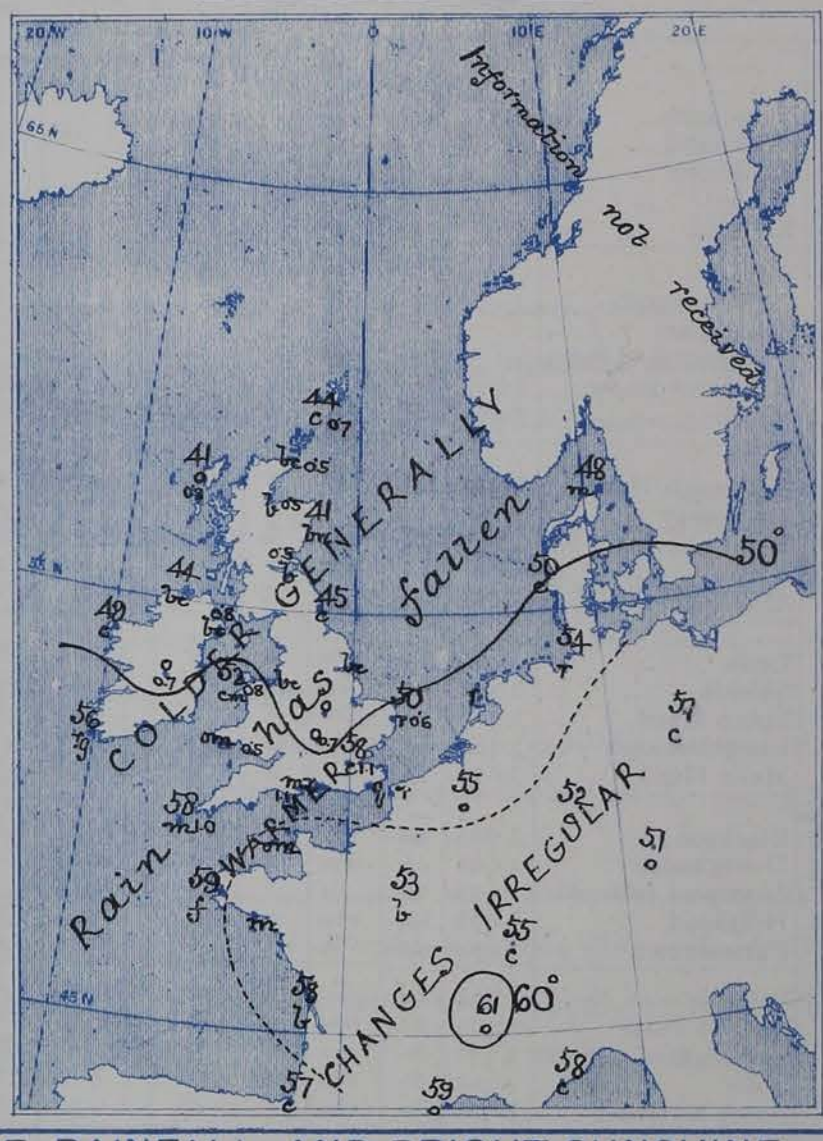


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	--	--	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 over South Germany and the southeast of France
Lowest, 29·1 in: and less, in a depression lying to the northward of our Islands; 29·2 in: and less in another disturbance approaching the west of Ireland.
Gradient rather steep over the south of our Islands and the neighbouring parts of the Continent; slight over our northern districts.
Barometer rising generally, but falling again in the south of Ireland. The Scandinavian reports have not yet arrived.

TEMPERATURE

Highest, 61° at Jersey and Lyons, 60° at Lorient, and 59° at Dungeness and Brest.
Lowest, 41° at Stornoway, Nairn, and Aberdeen, 43° at Wick and Donaghadee, and 44° at Lerwick Hd. Leith, and Malin Hd.
During yesterday the thermometer rose to 60° or slightly above it at several of our extreme southern stations; on our northern coasts it did not exceed 55°.

WIND

Chiefly S. or SW., but rather variable in the north of England, and W. in the north of Scotland; strong in force on our own south and southwest coasts, with a moderate gale in the Straits of Dover.
Strong gales from S and SW were experienced yesterday over nearly the whole of Ireland and England, and a whole gale from SE. in the north and east of Scotland.

WEATHER

Dull over the south of our Islands, the Netherlands and North Germany, with rain in places.
Fair or fine at present in most parts of Western Europe. The Scandinavian reports have not arrived.
Heavy rain fell yesterday in many parts of our Islands, the largest amounts being 1·1 inch in London and at Portland Bill, 1·0 inch at Scilly, and 0·8 in: at Stornoway, Donaghadee and Holyhead

SEA

High at Lerwick Head, Portland Bill, and Cape Gris Nez, rough on our southern coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The deep depression of yesterday is now travelling away quickly to the northward of our Islands. At Valencia (Ireland) however, the barometer is again falling decidedly with an increasing wind from SSE, so that a new disturbance is evidently approaching our western coasts. Rough unsettled weather is likely to set in again shortly over nearly the whole Kingdom.

FORECASTS

For the 24 hours ending at NOON on 5TH NOVEMBER 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W. to S. winds, freshening; fine at first, some rain later.
1	SCOTLAND EAST	SW. to S. winds, increasing in force; fair at first, some rain later.
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	SW. to S. winds, increasing to a gale; fair at first, some rain later.
6	SCOTLAND WEST	S. and SW. winds, increasing to a gale; dull, squally, some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	At 10·30 am today to districts 5, 8, and 10 "Hoist South Cone". It is still flying in districts 0, 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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29·35	53	51	SSW	8	c	6
Sumburgh Head	28·70	49	48	S	6	r	6
Stornoway... ...	28·55	46	45	Z	0	0	0
Aberdeen	28·67	51	48	S&E	10	o qr	7
Shields	28·89	52	50	S	7	r	2
Malin Head ...	28·66	47	44	NNW	6	bc	6
Blacksod Pt.. ...	28·90	50	46	NNW	6	bc pm	6
Holyhead	28·99	49	46	NSW	9	c	7

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29·15	51	45	SW	7	o	7?
Scilly	29·32	57	?	SSW	10	r	5
Jersey	29·69	61	55	SSW	6	c	7
Portland Bill ...	29·49	58	54	SSW	8	o	6
Dungeness ...	29·60	60	55	WSW	8	c	
London (Westminster)	29·48	60	53	SW	6	o	*
Yarmouth ...	29·46	57	53	SSW	6	c	4
Rochefort ...	29·88	64	61	SSE	2	o	2

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.

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 5th November, **1899.**

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	29.12	42	SW	8	bc	29.47		39	37	− 12	W	4	b	*	bc	*	?	37	0.20
	Hernösand	29.49	44	Z	0	b	29.63	+ .43	41	39	− 4	Z	0	bc	*	b	*	52	37	—
	Stockholm	29.72	45	SW	2	b	29.89	+ .39	39	39	− 12	SSW	2	b	*	b	*	52	39	—
	Wisby	29.85	47	SSW	4	b	29.96	+ .30	46	46	− 4	S	4	r	*	b	*	52	43	—
	Karlstad	29.73	46	WSW	4	b	29.75	+ .33	46	46	− 2	SSW	4	f	*	b	*	*	*	—
	Bodö	28.62	44	SW	9	r	29.32	+ .59	40	37	− 8	S	2	o	1	r	*	48	39	0.32
	Christiansund ...	29.43	43	SW	8	r	29.05	+ .76	51	51	+ 2	S	4	r	6	r	*	59	41	0.24
	Skudesnaes ...	29.50	51	S	6	c	29.35	+ .09	54	54	+ 3	S	9	rf	7	c	*	54	46	*
	Færder (X'iania Fjord)	29.70	50	WSW	6	b	29.62	+ .24	53	52	+ 3	S	6	r	4	b	*	53	48	0.04
	The Scaw (Skagen)	29.77	48	SSW	1	b	29.75	+ .24	51	51	+ 3	SSW	3	m	0	b	*	52	46	—
	Fanö	29.80	52	S	3	o	29.82	+ .19	53	52	+ 3	S	6	o	*	o	*	55	48	—
British Islands	Sumburgh Head ...	29.18	47	SE	o	o	28.96	− .17	51	47	+ 7	SW	6	o	6	o	*	54	44	0.21
	Stornoway	28.74	49	SSE	3	r	28.85	− .39	46	43	+ 5	WSW	8	o	8	o.r, bl	0.2	49	37	0.90
	Wick	28.99	47	SE	6	o	29.06	− .24	48	46	+ 5	W	6	bc	3	o	*	50	43	0.05
	Nairn	28.93	52	Z	o	c	29.08	− .22	45	42	+ 4	W	5	r	5	c	*	59	37	0.24
	Aberdeen	29.12	50	SSE	7	drpq	29.26	− .11	48	43	+ 7	SSW	5	bcq	5	cq, orq	3.3	55	41	0.20
	Leith	29.08	52	SW	1	r	29.24	− .04	48	43	+ 4	SW	3	bc	*	r	*	61	39	0.11
	Shields	29.26	50	S	4	o	29.47	+ .02	51	48	+ 6	SW	3	c	2	cm, o, r	*	60	43	0.05
	Spurn Head ...	29.45	46	S	6	c	29.61	+ .11	53	52	+ 7	SSW	3	o	3	c	*	60	45	0.07
	Loughborough ...	29.51	61	S	6	o	29.63	+ .05	54	52	+ 6	SSW	3	o	*	bc, opq	*	62	48	0.19
	Malin Head ...	28.74	59	SSW	7	o	29.18	− .07	45	43	+ 1	SW	6	op	5	op, o	*	59	45	0.10
	Blacksod Pt. ...	28.78	57	SW	9	dpq	29.23	+ .01	47	44	− 2	SW	8	bc	2	rm, dpq	*	60	47	0.60
	Donaghadee ...	29.03	57	S	7	r	29.37	− .01	46	43	+ 3	S	4	bc	3	r	*	57	41	0.30
	Liverpool (Bidston)	29.34	59	SE	4	r	29.57	+ .06	51	48	+ 5	SSW	3	omp	3	r	*	61	46	0.26
	Holyhead ...	29.22	58	SSW	8	r	29.53	+ .09	52	46	0	WSW	5	c	4	dm, rqm	*	58	46	0.33
	Parsonstown ...	? 29.84	57	SW	3	rqm	29.46	+ .14	44	41	− 2	SSE	1	b	*	c, rq	1.2	62	43	0.24
	Valencia	29.03	55	SSW	7	b	29.49	+ .28	50	45	− 6	SW	5	bq	6	rq, b	0.0	57	47	0.22
	Roche's Point ...	29.10	56	SSW	8	rq	29.56	+ .21	50	47	− 5	W	3	bc	4	rq	*	58	43	0.35
	Pembroke (St. Ann's Hd.)	29.33	58	SSW	7	r	29.61	+ .15	55	51	0	W	5	cu	5	r	0.0	58	54	0.32
	Scilly	29.41	59	SSW	7	rw	29.66	+ .14	55	52	− 3	WSW	5	o	7	m	0.0	60	52	0.12
	Jersey (St. Aubin's) ...	29.73	62	SSE	4	o	29.78	+ .02	55	53	− 6	W	3	rw	3	pg, og	*	66	54	0.44
	Portland Bill ...	29.64	59	SSW	5	od	29.71	+ .08	55	54	− 3	SW	4	or	5	om, od	*	59	53	0.63
	Dungeness	29.74	59	SSW	6	p	29.75	+ .08	58	57	− 1	SW	7	r	6	c, p	*	61	58	0.05
	London (Brixton) ...	29.68	61	SSW	5	odrw	29.74	+ .10	54	53	− 4	S	3	or	*	od, ogw	0.0	62	54	0.20
	Oxford	29.57	61	S	5	r	29.69	+ .09	54	53	+ 5	S	4	ogr	*	org	*	63	48	0.38
	Yarmouth	29.64	59	SSW	4	bc	29.71	+ .08	54	53	+ 4	SSW	3	o	3	bc, c	*	60	49	0.15
France & Netherlands, Germany	Cuxhaven	29.80	54	SW	4	o	29.88	+ .20	52	51	− 2	SW	4	b	*	o	*	55	48	0.39
	Berlin	29.99	51	SW	3	b	30.09	+ .18	50	49	− 7	Z	0	b	*	b	*	66	50	—
	Wiesbaden	*	*	*	*	*	30.10	+ .11	48	47	− 4	Z	0	b	*	*	*	64	46	—
	Munich	30.15	51	Z	o	b	30.17	+ .03	42	41	− 9	S	1	b	*	b	*	64	39	—
	The Helder ...	29.76	51	SSW	5	o	29.77	+ .11	57	54	+ 4	SSW	5	bc	3	o	*	57	52	0.12
	Brussels	*	*	*	*	*	29.95	+ .12	56	54	+ 1	SSE	4	b	*	b	*	62	53	—
	C. Gris Nez ...	29.77	59	SW	6	o	29.76	+ .05	57	54	0	SSW	5	o	6	o	*	59	54	—
	Paris	29.96	57	S	3	b	29.96	+ .03	50	50	− 3	S	2	b	*	b	*	65	50	—
	Brest	29.67	59	SW	5	f	29.73	+ .02	55	54	− 4	S	3	r	5	f	*	61	50	0.87
	Lorient	29.79	60	SW	6	f	29.78	− .02	56	56	− 4	WNW	2	?	5	f	*	68	55	0.20
	Rochefort	29.93	61	S	3	b	29.88	− .07	55	54	− 3	SE	4	c	*	b	*	66	52	—
	Belfort	30.04	62	W	2	b	30.08	+ .04	51	47	− 4	NW	1	b	*	b	*	71	49	—
	Lyons	30.08	60	S	1	b	30.09	+ .02	51	51	− 10	N	1	b	*	b	*	68	48	—
	Nice	30.19	59	Z	o	c	30.15	− .02	61	55	+ 3	E	6	c	5	c	*	66	55	0.12
	Perpignan	30.04	60	S	2	b	30.03	− .05	48	48	− 11	SW	2	b	*	b	*	73	46	—
	Biarritz	29.93	62	Z	o	b	29.88	− .10	56	52	− 1	SE	3	b	8	b	*	68	55	—
Span. Pen.	Corunna	29.91	66	SW	3	c	29.99	− .14	60	59	− 3	W	3	f	3	o	*	68	57	0.24
	Lisbon	30.10	62	SSW	4	bc	30.01	− .17	64	62	+ 2	SSW	5	o	*	bc	*	68	62	0.08
	Azores (P. Delgada)	30.06	61	NW	3	c	30.13	+ .05	59	53	− 6	NNW	4	c	4	c	*	68	55	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0.4 *hrs.*

WEATHER CHARTS

FOR Sunday, 5th November, 1899.

BAROMETER, WIND AND SEA.

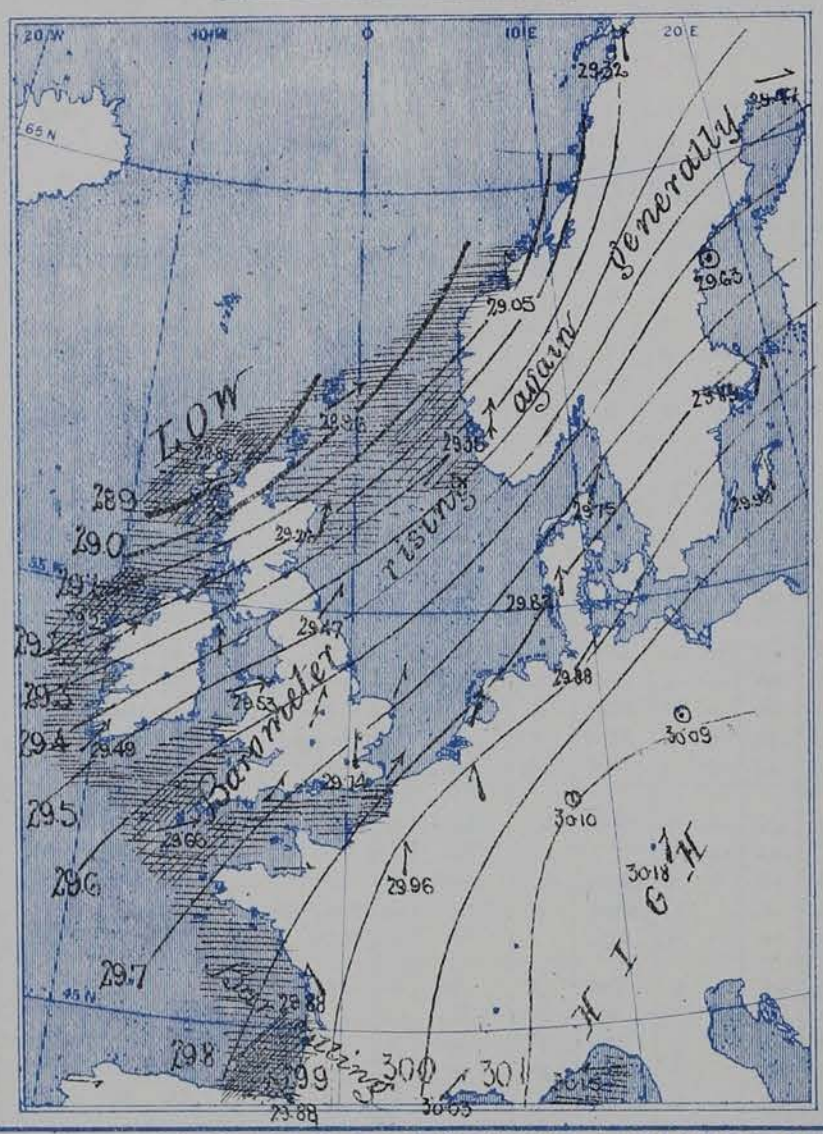
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ➤⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▬

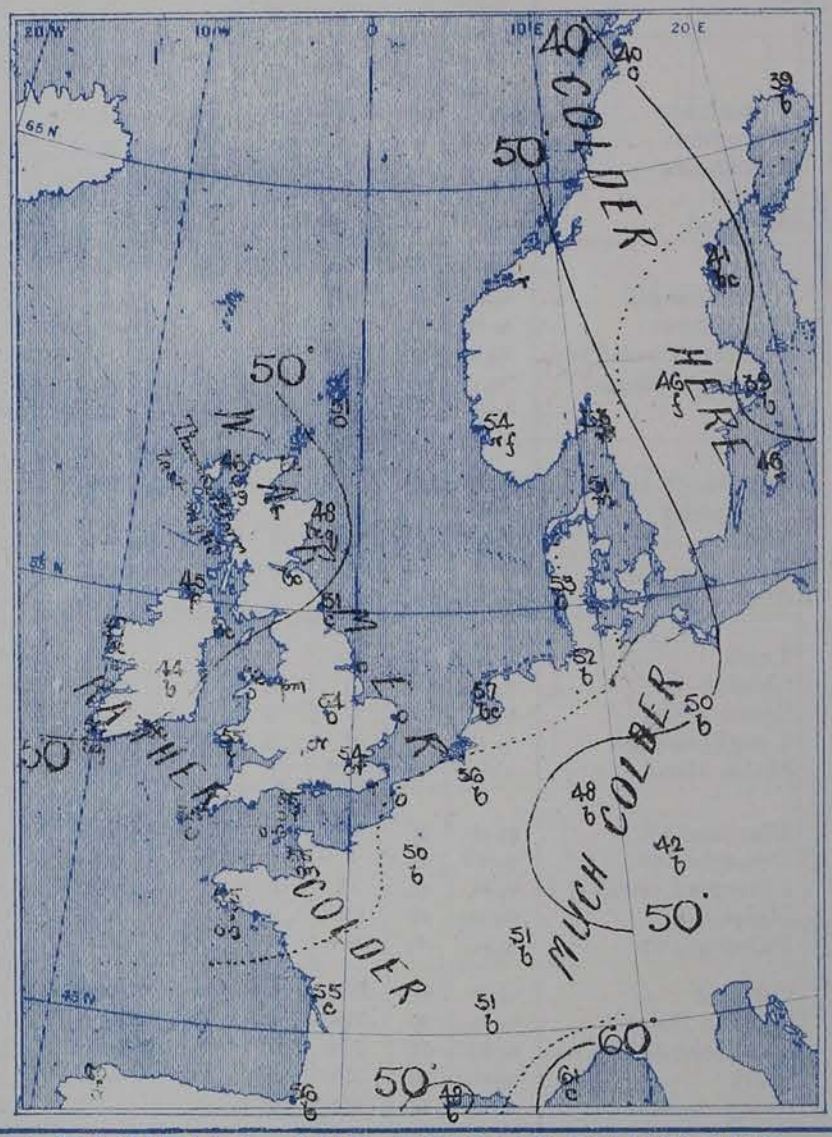


TEMPERATURE AND WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 Switzerland the southeast of France, and Central and southern Germany
Lowest, 28·9 ins: and less, in a depression with its centre off the northwest of Scotland.
Gradients steep over Scandinavia and the northern parts of our Islands and the North Sea, but moderate or slight elsewhere
Barometer rising generally, but falling in the west of Norway and also in the west and south of France.

TEMPERATURE

Highest, 64° at Lisbon, 61° at Nice, 58° at Dungeness.
Lowest, (1) 39° at Haparanda and Stockholm and 40° at Bodö; (2) 42° at Munich; lowest in our Islands 44° at Aberdeen.
During yesterday the thermometer rose to 60° and upwards in many parts of the United Kingdom, to 63° at Oxford & to 66° at Jersey.

WIND

SW[3] over the greater part of our Islands and strong to a gale in force in the northwest of Ireland; equally strong from the W[ly] in in the north of Scotland; S[3] in Scandinavia, with a gale at Thudernaas.
Calm or light from the S[ly] over Germany and Central France, SE. in the southwest of France, SW[3] at Lisbon.

WEATHER

Cloudy or dull over northwestern Europe generally, with rain at the English Channel stations and also in the W.S. of Norway.
Fine over France, the Netherlands and Germany and also in Sweden.
Heavy rain has again fallen in many parts of our Islands the largest amounts reported this morning being 0·9 inch at Stornoway, and 0·6 inch at Blackrod P[t] and Portland Bill. Thunder and lightning have occurred at Stornoway.

SEA

Very high at Stornoway, high at Blackrod Point and Scilly, and rough or rather so on nearly all the more exposed parts of our western northern and southern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 6[th] Nov: 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NONE ISSUED.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
6	SCOTLAND WEST	NONE ISSUED.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
WARNINGS		At 9·35 am today to districts 2, 3, 5, 8, and part of 10 "Lower Cone". It is still flying in part of district 1.

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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.54	51	47	SW	6	c	5
Sumburgh Head	29.32	45	43	Z	0	o	5
Stornoway... ...	29.06	49	45	SSE	4	o	5
Aberdeen	29.34	49	46	S	4	cq	4
Shields	29.42	53	50	S	3	am	2
Malin Head ...	29.87	52	51	S	6	op	4
Blacksod Pt.. ...	28.80	57	56	SSW	9	r	6
Holyhead	29.30	57	56	SW	6	dm	4
Valencia	29.00	59	59	S	7	rg	7
Scilly	29.46	59	59	SSW	6	m	6
Jersey	29.76	63	60	SSW	5	cg	4
Portland Bill ...	29.66	59	58	WSW	5	om	6
Dungeness ...	29.70	60	59	SW	7	c	6
London (Westminster)	29.64	62	60	SW	4	o	*
Yarmouth ...	29.63	59	58	SSW	3	c	4
Rochefort ...	29.93	65	62	SW	4	6	*

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

Weather in morning cloudy or dull over western, northern, and central Europe as a whole, with rain in the east of England and also in Norway and Denmark. Fine over all the more northern parts of our Islands and also over southern and southeastern Europe generally, foggy at several of the Russian and Austrian stations. Rain falling later over the whole of our Islands and the neighbouring parts of the Continent,- heavily in places, thunder and lightning occurring at Stornoway.

Temperature fallen in the western and southern countries, but risen elsewhere. Morning readings highest 71° at La Calle, 70° at Cagliari, and Malta, and 69° at Algiers; above 60° at the Mediterranean and Spanish coast stations generally and also in the Channel Islands. Lowest 28° at Hermanstadt, 33° at Archangel and Kherkov and 35° at Moscow; lowest in our Islands 41° at Stornoway, Nairn, and Aberdeen. Rising during day to 60° and upwards in many parts of the United Kingdom and to 66° at Jersey; exceeding 70° at some stations in the east and south of France.

Wind S' or SW' over western, northern, and central Europe as a whole, but SE in the west and south of Ireland, and W' in the north of Scotland; strong in force on all our own southern coasts, and blowing a gale at some of the Scandinavia stations. Light from the N^a over Italy and Greece; variable in the south of France. Subsequently increasing to a gale from the S^w or SW^a over nearly the whole of our Islands; no important change occurring elsewhere.

Barometer highest 30·3 ins: and upwards over Eastern Austria and the south of Russia; 30·1 ins: and upwards in an anticyclone lying over the whole of eastern and the greater part of Central and southern Europe. Lowest 28·7 ins: and less, in a large and deep depression with its centre off the northern parts of the Norwegian coasts; 29·2 ins: and less, in another disturbance approaching the west of Ireland. Both depressions moving northeastwards later – the former away to the Arctic Ocean, the latter to the east and northeast of Scotland.

General Remarks on the Weather over Europe for the 24 hours ended 8 am 4th November 1899.

Weather in morning fair or fine in the east and south of our Islands, as well as in Germany, Denmark, and the south of Sweden; fine also in Italy and the extreme south of France. Cloudy or dull elsewhere, with rain in Ireland and the west of Scotland, as well as at Christiansund and in several parts of France and Spain. Heavy rain falling later in many parts of our Islands,- as much as 1·1 inch in London and at Portland Bill.

Temperature fallen in our Islands, but risen at most of the Continental stations. Morning readings highest 78° at Algiers, 75° at Nimours, and 71° at Cagliari and La Calle; above 65° at most of the Mediterranean stations and above 55° on our own south and southwest coasts. Lowest 30° at Hermanstadt, 31° at Kiev, 33° at Archangel, and 34° at Moscow. Daily maxima below 55° on several parts of our own northern coasts, but thermometer rising to 60° or slightly above it in the south of England, exceeding 65° in the west and south of France, and reaching 68° at Nice and Lyons.

Wind S^e or SW^e over northeastern and northern Europe generally, and strong to a gale in force on our western and southern coasts, as well as in the south of Norway. Light to moderate from the E^ly or SE^ly in Germany and the extreme south of France; variable in Italy; calm in Austria; W^e over the Spanish Peninsula. Subsequently increasing to a strong gale from the S^th or SW^th over the whole of our Islands, but moderating considerably in Ireland and Scotland towards evening.

Barometer highest 30·4 ins: and upwards over Eastern Austria and the extreme south of Russia; 30·1 ins: and upwards in an anticyclone embracing the whole of eastern and a considerable portion of southern Europe. Lowest 28·7 ins: and less in a deep depression with its centre to the westward of Scotland. Depression subsequently travelling quickly northeastwards, barometer at Sumburgh Hd falling by 7 tenths to a minimum of 28·15 ins:. Brisk rise taking place on our 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.

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, 6th November, 1899.

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	29.50	39	S	6	0	29.69	+.22	36	35	- 3	W	2	f	•	0	•	41	36	–
	Hernösand	29.63	49	SW	4	0	29.88	+.25	45	43	+ 4	NW	0	c	•	0	•	50	32	–
	Stockholm	29.94	55	NW	0	0	30.05	+.16	52	51	+ 13	SSW	2	c	•	0	•	55	37	–
	Wisby	30.02	50	SSW	6	6	30.11	+.15	50	50	+ 4	E	4	6	•	6	•	54	43	–
	Karlstad	29.85	51	SSW	4	0	29.99	+.24	49	49	+ 3	SSW	2	0	•	r.6	•	•	•	–
	Bodö	29.30	49	SW	6	6	29.45	+.13	48	43	+ 8	SW	8	0	5	6	•	48	37	0.39
	Christiansund ...	29.39	54	SW	5	c	29.58	+.53	50	41	- 1	SW	8	6c	5	c l	•	54	46	–
	Skudesnaes ...	29.73	52	S	6	0	29.83	+.48	51	49	- 3	S	6	0	4	0	•	52	48	•
	Færder (X'iania Fjord)	29.79	52	SSW	6	0	29.93	+.31	51	50	- 2	SSE	2	m	3	0	•	53	50	0.08
	The Scaw (Skagen)	29.89	52	SSW	2	r	29.97	+.22	50	50	- 1	S	2	m	0	r	•	52	50	0.04
	Fanö	29.93	53	S	1	r	29.93	+.11	51	51	- 2	SE	3	c	•	r	•	55	50	0.08
British Islands	Sumburgh Head ...	29.20	46	SW	7	c	29.37	+.41	47	45	- 4	S	6	0	6	b.c	•	51	43	–
	Stornoway	29.20	42	SW	8	cq	29.17	+.32	46	44	0	WSW	5	0	5	c q hl	2.3	49	40	0.40
	Wick	29.37	49	S	6	b	29.33	+.27	49	45	+ 1	S	4	6c	3	b	•	50	43	–
	Nairn	29.40	45	W	3	b	29.34	+.26	49	47	+ 4	WSW	5	c	4	b	•	56	40	0.12
	Aberdeen	29.52	46	SSW	5	bq	29.55	+.29	48	44	0	SSW	5	bq	4	bq	6.6	51	43	–
	Leith	29.54	47	SW	2	b	29.57	+.23	48	44	0	SSW	3	b	•	b	•	54	43	–
	Shields	29.67	49	SW	3	c	29.71	+.24	46	45	- 5	SW	3	c	2	c	•	55	44	–
	Spurn Head ...	29.90	52	SW	3	c	29.96	+.15	49	47	- 4	S	3	0	3	c	•	55	47	–
	Loughborough ...	29.81	49	SE	1	0	29.84	+.21	47	46	- 7	SE	1	ow	•	o.cm.o	•	56	47	~~0.86~~
	Malin Head ...	29.43	47	SW	6	b	29.43	+.25	45	44	0	SSW	5	r	5	b.p	•	50	43	0.24
	Blacksod Pt. ...	29.46	49	SW	7	bc	29.53	+.30	45	42	- 2	WSW	6	ch p	6	bc.tth	•	51	42	0.51
	Donaghadee ...	29.64	46	SW	3	b c t l	29.61	+.24	46	46	0	S	4	bc	3	bc.l	•	51	44	–
	Liverpool (Bidston)	29.76	49	SSW	2	p	29.78	+.21	45	44	- 6	SE	1	c	2	om	•	54	45	–
	Holyhead	29.69	52	SW	4	c	29.75	+.22	51	46	- 1	WSW	3	c	2	c	•	54	46	–
	Parsonstown ...	29.65	43	SE	1	b	29.67	+.21	45	43	+ 1	SW	1	0	*	b	7.7	52	41	–
	Valencia	29.65	49	SSW	4	bc q	29.71	+.22	52	48	+ 2	SW	4	o q p	6	bc q	6.7	53	42	0.27
	Roche's Point ...	29.71	52	W	3	bc	29.77	+.21	52	49	+ 2	WSW	3	bc	3	bc	•	57	45	–
	Pembroke (St. Ann's Hd.)	29.77	55	WSW	4	r	29.82	+.21	53	50	- 2	WSW	4	bc	4	c.r	2.8	55	52	0.01
	Scilly	29.75	56	WSW	1	0	29.89	+.23	53	48	- 2	WNW	4	bc	6	c.o	3.1	60	48	0.01
	Jersey (St. Aubin's) ...	29.83	55	W	3	r	29.87	+.09	54	52	- 1	NNW	3	o q	3	r m	•	55	52	1.34
	Portland Bill ...	29.82	52	S	1	0	29.86	+.15	48	47	- 7	N	1	c	2	or	•	56	46	1.29
	Dungeness	29.85	54	W	0	r	29.78	+.03	57	56	- 1	S	3	c	4	r.p	•	61	52	0.38
	London (Brixton) ...	29.86	53	S	1	0	29.85	+.11	49	49	- 5	SE	1	o q r	*	o q r	0.0	55	48	1.44
	Oxford	29.85	52	S	2	0	29.86	+.17	47	47	- 7	NW	1	of	*	q.r	•	56	47	0.48
	Yarmouth	29.84	54	SSW	2	o d	29.81	+.10	50	49	- 4	WNW	2	or	4	c,r	•	59	48	0.61
France & Netherlands. Germany.	Cuxhaven	29.93	57	SW	2	b	29.93	+.05	49	48	- 3	S	2	b	•	b	•	63	46	–
	Berlin	30.11	58	SSE	4	b	30.05	-.04	48	47	- 2	SE	1	b	•	b	•	66	46	–
	Wiesbaden	*	*	*	*	*	29.99	-.11	45	44	- 3	SW	2	c	•	*	•	61	43	–
	Munich	30.10	48	SE	1	b	30.05	-.13	35	35	- 7	SE	2	b	•	b	•	61	32	–
	The Helder ...	29.90	53	NNW	1	r	29.83	+.06	51	49	- 6	S	1	b	1	r	•	59	50	0.20
	Brussels	*	*	*	*	*	29.90	-.05	53	49	- 3	SE	3	b	•	b	•	66	51	–
	C. Gris Nez ...	29.85	54	NW	1	f	29.80	+.04	54	52	- 3	SW	5	o	4	f	•	61	52	0.35
	Paris	29.92	56	S	1	b	29.90	-.06	47	46	- 3	SSE	2	b	•	b	•	68	46	–
	Brest	29.78	52	E	1	r	29.84	+.11	54	50	- 1	NNW	2	c	5	r	•	59	50	0.43
	Lorient	29.75	57	ESE	2	r	29.89	+.11	53	52	- 3	N	5	0	5	r	•	63	52	1.02
	Rochefort	29.78	61	SE	3	bc	29.81	-.07	55	54	0	SSE	4	0	•	bc	•	68	52	–
	Belfort	29.99	60	W	0	b	30.00	-.08	46	45	- 5	SW	2	b	•	b	•	67	41	–
	Lyons	30.04	55	SE	1	b	30.01	-.08	50	49	- 1	ESE	1	b	•	b	•	67	49	–
	Nice	30.09	58	E	4	b	30.07	-.08	51	51	-10	ENE	6	r	4	b	•	63	50	2.95
	Perpignan	29.97	56	W	1	b	29.95	-.08	48	48	0	W	2	bc	•	b	•	66	46	0.04
	Biarritz	29.83	63	S	4	b	29.86	-.02	66	58	+10	W	4	0	6	b	•	68	56	–
Span. Pen.	Corunna														•		•			
	Lisbon														•		•			
	Azores (P. Delgada)	30.32	59	ENE	4	bc	30.36	+.23	56	52	- 3	N	3	c	3	bc	•	66	52	–

For Explanation of Columns, see bottom of last page. Erratum, – The 6pm Bar. reading given for Sumburgh Hd in Saturday's report shd be 28.37

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

Bright Sunshine yesterday Southport 2.3 hrs.

WEATHER CHARTS

FOR *Monday, 6th November,* 1899.

BAROMETER, WIND AND SEA.

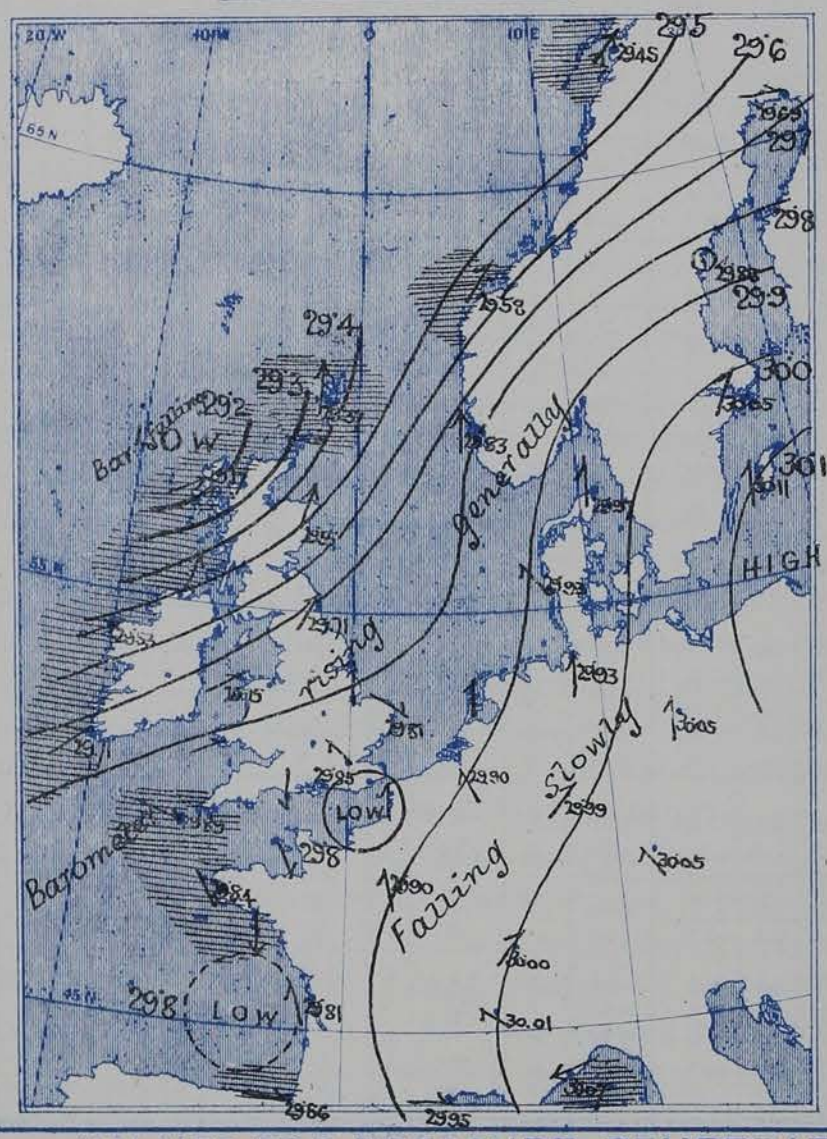
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓

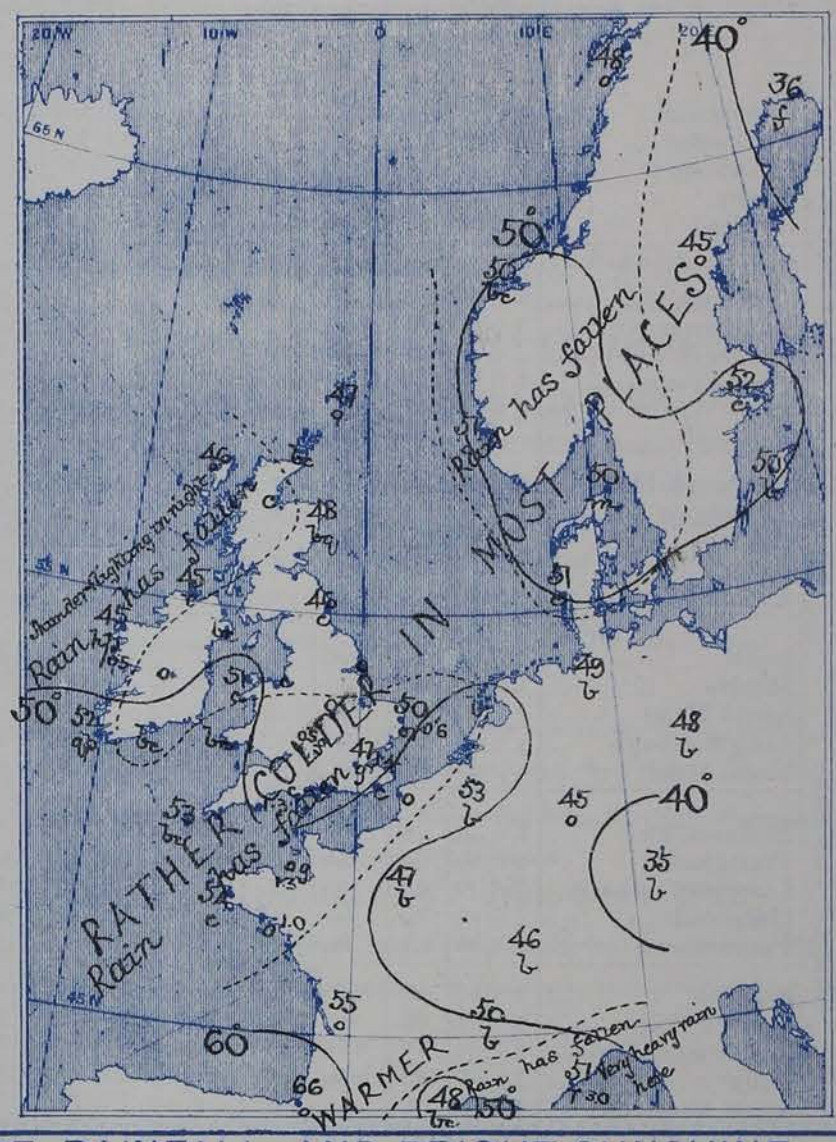


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	--	--	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 over the Baltic.
Lowest, 29·2 in: and less, in a depression lying off the northwest of Scotland; 29·8 in: and less, in two shallow systems,—one lying over the Bay of Biscay, and the other over the Eastern part of the English Channel.
Gradients rather steep over Scotland and Norway, but moderate or slight elsewhere.
Barometer rising generally, but falling a little in the north of Scotland and also over the Netherlands, Germany and the central and southern parts of France.

TEMPERATURE

Highest, 66° at Biarritz, 57° at Dungeness, 55° at Rochefort and 54° at Jersey and Cape Gris Nez.
Lowest, (1) 35° at Munich and 45° at Wiesbaden; (2) 36° at Haparanda and 45° at Hernösand; (3) 45° at Malin Hd. Blacksod Pt. Parsonstown and Liverpool.
The maxima registered yesterday were below 55° at many of our western and northern stations; at Scilly, however, the thermometer rose to 60° and at Dungeness to 61°.

WIND

S. or SW. in the west and north of our Islands and also in Scandinavia; strong in force on some parts of our extreme north and northwest coasts, and blowing a gale at Bodö.
Variable over central and southeastern England; N. or NW. over Brittany and the western parts of the Channel; light from the S. or SE. over Central France, Germany and the Netherlands.

WEATHER

Fine in the west and north of our Islands generally, but showery in the west of Ireland: fine also over Germany, the Netherlands and Central France.
Cloudy or dull elsewhere, with rain in London and at Yarmouth and also at Nice.
Heavy rain has again fallen in the south of England and the west and south of France, the largest amounts reported being 3·0 in: at Nice (where a thunderstorm occurred), 1·4 in: in London, and 1·3 in: at Jersey and Portland Bill. Thunder and lightning occurred last night at Blacksod Point, and lightning only at Stornoway and Donaghadee.

SEA

Rough on our extreme southwest, west and north coasts, as well as in the Bay of Biscay, rather rough off the west of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A large depression still lies off the northwest of Scotland, and in the course of the night a small shallow disturbance has apparently been formed over the English Channel. The latter system is now moving eastwards, and a temporary improvement in the weather is probable over England. Fresh disturbances are likely to appear shortly off our western coast.

FORECASTS

For the 24 hours ending at NOON on 7th NOVEMBER 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S. 24 and SW. 24 winds, fresh or strong; fair at first, some rain later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S. 24 and SW. 24 winds, moderate; fair generally.
3	ENGLAND EAST	Light Variable breezes; dull and misty at first, with rain in places, improving temporarily later.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SW. 24 to S. 24 winds, freshening; fine at first, some rain later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	SW. 24 to S. 24 winds, freshening; cloudy unsettled, some rain.
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.	WIND. Force.	WEA.	SEA.
Shudesnaes ...	29.56	53	50	S	1	o	5
Sumburgh Head	29.10	50	45	SW	6	b	6
Stornoway... ...	29.08	48	42	WSW	8	o h q	8
Aberdeen							
Shields							
Malin Head ...	29.35	50	45	SW	6	b	6
Blacksod Pt.. ...	29.42	51	46	SW	7	bc	6
Holyhead							
Valencia							
Scilly	29.74	57	53	NNW	1	c	1
Jersey	29.81	55	54	NNW	3	r	3
Portland Bill ...							
Dungeness ...	29.82	55	55	NW	1	r	4
London (Westminster)							
Yarmouth ...	29.79	55	54	S	3	o	3
Rochefort ...	29.88	64	61	SE	3	bc	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 29TH OCT: TO THE 4TH NOV: 1899.

During the greater part of the week the weather over northwestern and northern Europe was affected by large cyclonic systems the centres of which skirted our own extreme northwestern and northern coasts, and afterwards travelled across the northern parts of Scandinavia. The prevailing winds were therefore SW. and often strong to a gale in force and the weather mild and unsettled, with frequent, and in many cases heavy falls of rain, and occasional thunder and lightning on the west coasts of Ireland and Scotland. The most important disturbance was that of the 3rd Nov:, when strong gales from S. or SW. and heavy rains occurred over the whole of the United Kingdom. At 7 p.m. when the centre of the depression passed over the Shetlands the barometer at Sumburgh Head fell to a minimum of 28·15 ins:. Over the south of England the gale was followed by a very heavy fall of rain amounting to an inch or more in many places, and to as much as 2·1 ins: at Haslemere.

Temperature was generally high for the time of year, especially during the latter part of the week when the thermometer exceeded 60° at most of the English stations; at Jersey the maximum of 66° on the 4th was the highest on record for November.

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 7th November, 1899.

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	29.84	39	NW	2	o	29.51	− .18	42	41	+ 6	WSW	6	o	*	o	*	42	34	0.35
	Hernösand	29.82	45	SW	4	f	29.75	− .13	48	43	+ 8	SW	2	b	*	f	*	52	41	—
	Stockholm	29.95	49	E	o	o	29.94	− .11	47	47	—	SW	2	f	*	o	*	57	46	—
	Wisby	30.02	60	SSW	6	b	29.98	− .13	49	48	— 1	SSW	4	o	*	b	*	59	45	—
	Karlstad	29.83	53	SE	4	o	29.96	− .03	45	44	— 4	SW	2	c	*	o	*	*	*	—
	Bodö	29.58	46	SSW	4	c	29.34	− .11	41	39	— 7	S	6	o	3	c	*	50	37	0.32
	Christiansund ...	29.47	52	WSW	2	c	29.65	+ .07	46	41	— 4	WSW	5	r	6	c	*	54	43	0.08
	Skudesnaes ...	29.76	51	SSE	6	o	29.91	+ .08	49	45	— 2	SSW	4	c	3	r.o	*	50	36	*
	Færder (X'iania Fjord)	29.75	51	S	5	o	29.94	+ .01	49	48	— 2	SW	4	m	3	o	*	52	48	0.28
	The Scaw (Skagen)	29.87	53	W	3	r	30.01	+ .04	45	45	— 5	W	1	m	0	r	*	54	43	1.10
	Fanö	29.92	53	S	1	r	30.08	+ .15	48	46	— 3	E	0	b	*	r	*	57	48	0.08
British Islands	Sumburgh Head ...	29.40	46	WSW	6	o	29.59	+ .22	46	45	— 1	S	4	c	6	o	*	50	42	0.15
	Stornoway	29.44	45	W	4	o	29.29	+ .12	50	49	+ 4	SSW	6	r	6	c.o	3.2	50	39	0.20
	Wick	29.48	46	S	3	bc	29.47	+ .14	50	48	+ 1	S	5	ow	3	bc	*	50	38	—
	Nairn	29.58	43	W	1	bc	29.47	+ .13	51	49	+ 2	SW	3	o	2	bc	*	51	39	0.13
	Aberdeen	29.64	43	SSW	5	b	29.65	+ .10	49	46	+ 1	SSE	6	ogq	5	bpq.b	5.0	52	38	0.01
	Leith	29.69	46	W	3	c	29.65	+ .08	51	48	+ 3	S	4	o	*	c	*	53	42	0.02
	Shields	29.80	48	SSW	1	b	29.81	+ .10	45	44	— 1	S	3	m	2	bm.b	*	56	40	—
	Spurn Head ...	29.87	48	SW	3	b	30.00	+ .24	46	45	— 3	S	4	bcw	3	b	*	53	43	—
	Loughborough ...	29.94	48	SE	1	b	29.99	+ .15	45	44	— 2	SSE	3	cw	*	o.c.bc.b	*	55	41	—
	Malin Head ...	29.66	46	SW	5	bp	29.75	− .18	52	51	+ 7	S	8	orq	5	b.p	*	52	?40	0.07
	Blacksod Pt. ...	29.71	50	WSW	4	b	29.22	− .51	55	54	+ 10	SW	7	rw	6	b	*	55	?42	0.96
	Donaghadee ...	29.79	43	S	2	bp	29.56	− .09	54	53	+ 8	S	5	oaq	5	b.p	*	54	42	0.03
	Liverpool (Bidston)	29.88	49	SW	3	b	29.82	+ .04	48	46	+ 3	SE	3	o	3	b	*	55	43	0.01
	Holyhead	29.86	51	W	1	b	29.72	− .03	54	52	+ 3	SSW	7	rq	5	c.b	*	55	46	0.02
	Parsonstown ...	29.82	45	SE	1	o	29.45	− .22	54	52	+ 9	SE	2	rq	*	b.or	5.2	54	42	0.16
	Valencia	29.83	53	S	2	og	29.39	− .32	56	55	+ 4	S	6	b.og	6	b.og	4.8	56	48	0.69
	Roche's Point ...	29.88	52	WSW	2	bcp	29.58	− .19	54	54	+ 2	SSW	8	r	5	bcp	*	55	48	0.12
	Pembroke (St. Ann's Hd.)	29.94	55	WSW	5	bc	29.87	− .01	56	55	+ 3	SW	7	ogw	6	bc	6.5	56	?49	—
	Scilly	29.97	56	SW	4	bc	29.88	− .01	56	54	+ 3	S	7	or	6	bc	8.1	59	47	—
	Jersey (St. Aubin's) ...	30.05	54	NW	1	bc	30.15	+ .28	54	49	0	SSW	3	bcw	3	c.bc	*	57	46	—
	Portland Bill ...	30.02	55	WNW	3	b	30.06	+ .20	54	50	+ 6	SW	5	c	5	bc.b	*	56	47	—
	Dungeness	29.99	48	N	2	c	30.10	+ .32	52	49	— 5	SW	3	bc	2	c	*	57	39	0.01
	London (Brixton) ...	30.00	48	E	o	bm	30.09	+ .24	47	45	— 2	S	3	bc	*	or.c.fog	0.0	51	42	0.06
	Oxford	30.03	47	WSW	1	b	30.03	+ .17	46	45	— 1	S	3	o	*	c.b	*	53	42	—
	Yarmouth	29.95	49	WNW	2	bc	30.05	+ .24	48	46	— 2	SW	3	bw	2	c.bc	*	51	42	0.19
Germany	Cuxhaven	29.88	59	S	1	b	30.08	+ .15	51	50	+ 2	E	o	o	*	b	*	63	48	—
	Berlin	29.97	54	SE	2	b	30.08	+ .03	45	44	— 3	E	o	b	*	b	*	61	45	—
	Wiesbaden	*	*	*	*	*	30.11	+ .32	48	47	+ 3	S	1	o	*	*	*	54	45	0.04
	Munich	30.12	48	W	4	b	30.27	+ .32	45	45	+ 10	S	2	o	*	b	*	59	35	0.04
France & Netherlands.	The Helder ...	29.93	53	NW	1	r	30.10	+ .27	44	43	— 7	SSW	1	f	1	r	*	59	41	—
	Brussels	*	*	*	*	*	30.23	+ .33	45	45	— 8	E	o	f	*	r	*	63	44	0.08
	C. Gris Nez ...	29.97	51	N	2	bc	30.17	+ .37	47	45	— 7	SW	1	b	1	bc	*	59	45	0.08
	Paris	30.02	55	WSW	2	m	30.18	+ .28	45	45	— 2	NNW	2	b	*	m	*	64	44	0.04
	Brest	30.08	54	NNW	1	c	30.12	+ .28	55	52	+ 1	S	4	bc	4	c	*	59	50	—
	Lorient	30.08	52	NNW	3	c	30.15	+ .26	54	50	+ 1	SW	3	c	3	c	*	59	46	—
	Rochefort	30.00	56	NNW	3	o	30.16	+ .35	53	52	— 2	NNE	2	o	*	r.o	*	63	50	0.16
	Belfort	30.04	55	W	1	b	30.16	+ .16	53	50	+ 7	W	1	o	*	b	*	66	46	—
	Lyons	30.08	57	S	2	c	30.22	+ .21	50	50	0	SSW	1	c	*	c	*	67	49	—
	Nice	30.14	56	E	o	bc	30.23	+ .16	51	48	0	E	2	b	2	bc	*	61	50	—
	Perpignan	30.09	54	E	1	b	30.19	+ .24	55	53	+ 7	SW	2	o	*	b	*	66	48	—
	Biarritz	30.01	59	E	4	r	30.10	+ .24	57	55	— 9	SSW	3	o	5	r	*	66	56	0.83
Span. Pen.	Corunna																*			
	Lisbon														*		*			
	Azores (P. Delgada)	30.33	67	SW	5	o	30.26	− .10	63	60	+ 7	WSW	4	o	4	o	*	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 2.9 *hrs.*

WEATHER CHARTS

FOR Tuesday, 7th November, 1899.

BAROMETER, WIND AND SEA.

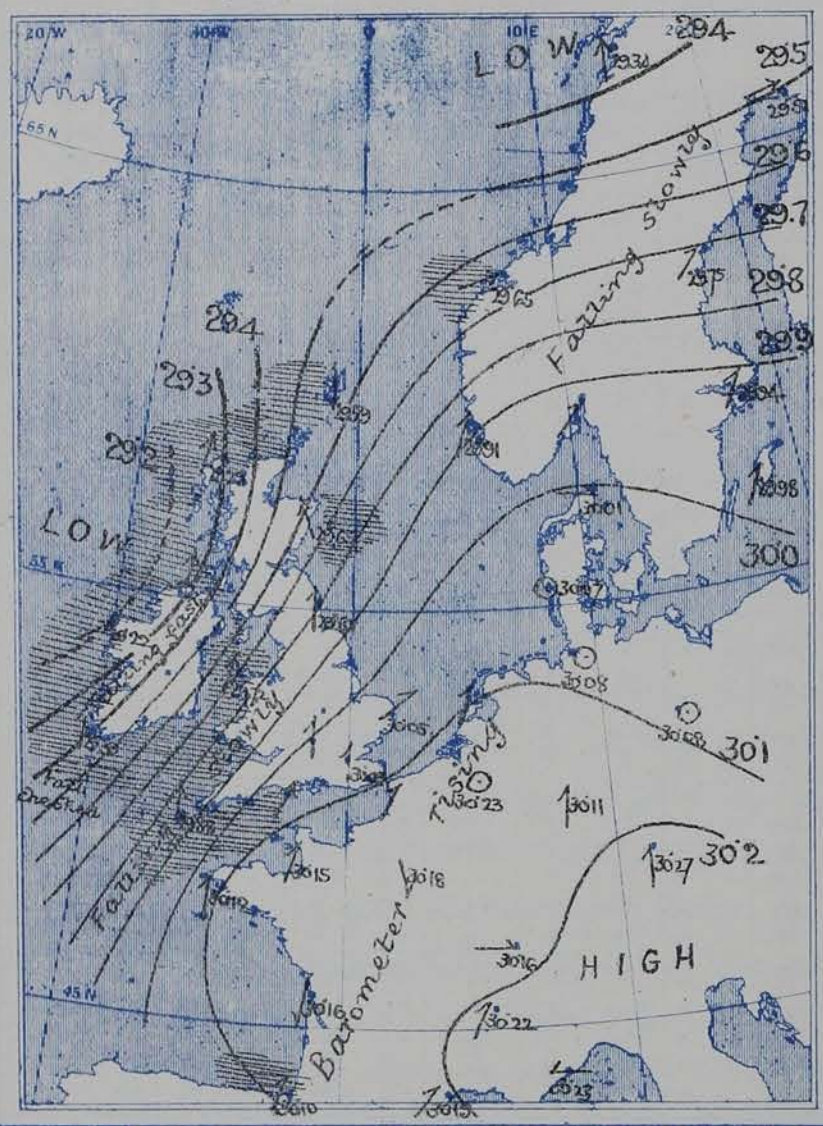
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫→ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩→ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▤ : *High* ▬

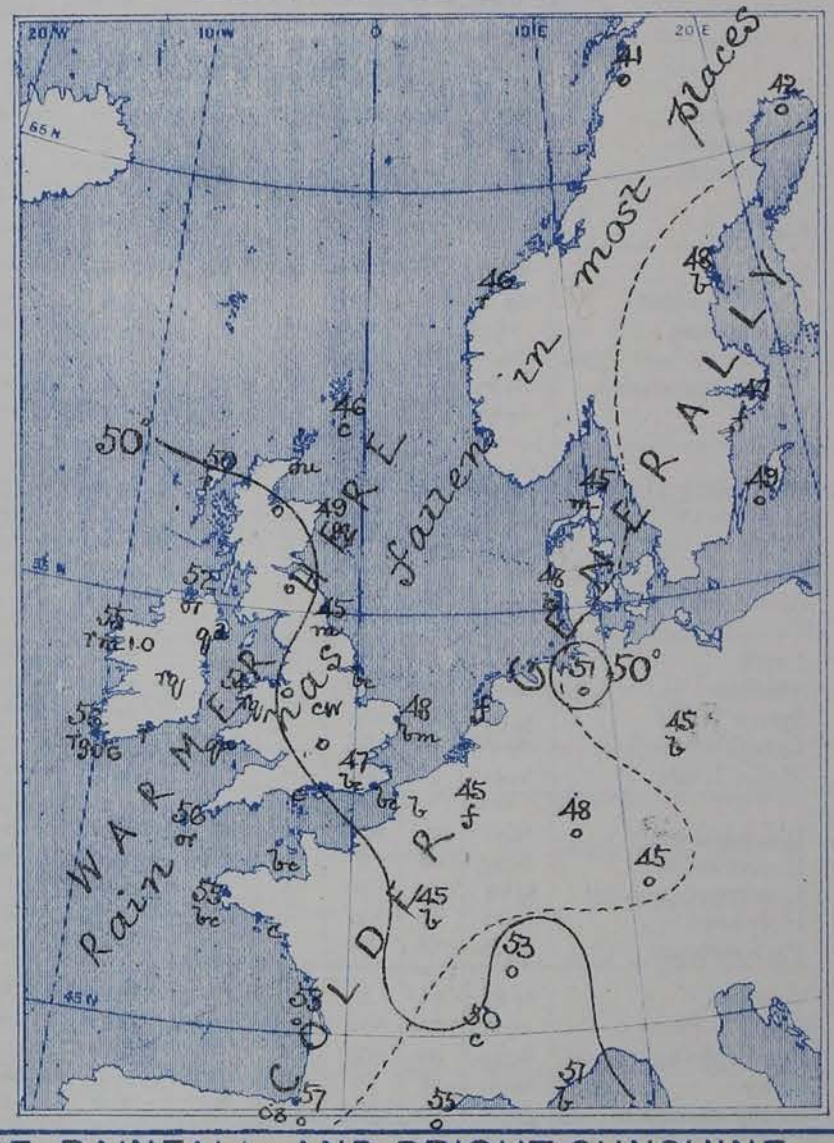


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 more over the Riviera and Switzerland, and exceeding 30.1 ins all over France.
Lowest Below 29.3 ins over the W. of Scotland and NW. of Ireland, and apparently still lower over the Atlantic.
Gradients steep, for S. 4 winds in the north and west
Barometer falling fast in Ireland.

TEMPERATURE

Highest 57° to 53° in the W. of France, 56° to 52° in Ireland, and above 50° in Scotland.
Lowest 44° at the Haldar, 45° at Paris, Loughborough and Shields.
It has been much lower over England during the night than for some time past, but is rising fast again, as day comes on

WIND

Has backed again to the S.wd over our Islands generally, and was very strong and increasing at the western stations.

WEATHER

Dull rainy squally and very unsettled again at our W.rn stations, fair, but unsettled - looking in the E. and over France.
Bright Sunshine recorded yesterday varied from 5 to 8 hrs at our W.rn stations. On our S. coast the amount was very small, and at Westminster there was none.

SEA

Rough on our W.rn and N.rn coasts generally, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Another large depression is approaching our W.rn coasts, and the barometer is now falling in the W. and N. generally. The disturbance will probably travel in a NE. 4 direction, and a considerable increase of wind from the SW and NW is probable over our Islands, with rain in most districts.

FORECASTS

For the 24 hours ending at NOON on 8TH NOVEMBER 1899.

DISTRICTS.		FORECASTS.
↑P	SCOTLAND NORTH	S. 4 winds, strong to a gale, mild, rainy.
↑	SCOTLAND EAST	
2	ENGLAND N.E.	S. 4 winds, increasing; mild, rainy.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
↓	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
↑6	SCOTLAND WEST	S. 4 and SW. 4 gales, squally, rainy, mild.
↑7	ENGLAND N.W.	
↑8	ENGLAND S.W.	
↑9	IRELAND NORTH	
↑0	IRELAND SOUTH	
	WARNINGS	At 10.30 am today to districts 0, 1, 6 to 10 and part of 5. 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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.76	50	49	SSE.	8	r	5
Sumburgh Head	29.32	48	45	S	6	o	6
Stornoway... ...	29.32	47	43	W	4	c	4
Aberdeen	29.54	50	45	S	6	o	6
Shields	29.70	55	49	SSW	3	bm	2
Malin Head ...	29.86	48	43	WSW	6	b	6
Blacksod Pt.. ...	29.85	50	46	WNW	4	b	4
Holyhead	29.79	55	50	WSW	4	c	3
Valencia	29.87	54	51	SSW	3	b	5
Scilly	29.95	58	54	SW	4	bc	5
Jersey	29.99	57	51	WNW	3	c	3
Portland Bill ...	29.95	54	50	NW	3	bc	3
Dungeness ...	29.89	52	51	N	3	c	2
London (Westminster)	29.91	53	50	NNW	2	ow	*
Yarmouth ...	29.86	51	50	WNW	2	c	3
Rochefort ...	29.89	60	59	WNW	3	r	*

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

Weather in morning fine in the W. and N. of our Islands generally, but showery in the W. of Ireland; dull over the greater part of England, with rain at some of the E^rn. and SE^rn. stations. Cloudy or dull in Russia and Scandinavia, with rain at Archangel; dull also over Spain, N^rn. Italy and the W. and S. of France, with rain at Nice and San Fernando; fine in most other parts of the Continent. Weather improving later over England, but rain setting in at night over Ireland and the W. of Scotland.

Temperature fallen in most places. Morning readings highest 68° at Malta and Algiers, and 66° at Biarritz and Tunis; above 60° at most of the Mediterranean stations. Lowest (1) 26° at Hermanstadt, and 38° at Nicolaieff; (2) 36° at Haparanda, and 38° at Archangel; lowest in our Islands 45° at several of our NW^rn. stations. Rising during day to 55° and upwards in most parts of Ireland and England, and to 59° at Jersey; exceeding 65° over the central and S^rn. parts of France.

Wind S. ¾ or SW. ¾ in the west and north of our Islands and also in Scandinavia and northern Russia; strong in force on some parts of our extreme north and northwest coasts, and blowing a gale at Bodö. Variable in the SE. of England; N. ¼ or NW. ¼ over Brittany and the western parts of the English Channel and also over the north and west of Spain; W. ¾ in the southwest of France; S. ¼ or SE. ¼ over central France, Germany, Denmark and the Netherlands. Calm or variable over Austria and the south of Russia; N. ¼ or NW. ¼ in Italy and Greece. No important change occurring over western Europe during day.

Barometer highest 30.3 ins. over E^rn. Austria and the central and S^rn. parts of Russia, 30.1 ins. and upwards in an anticyclone covering nearly the whole of E^rn. and central Europe. Lowest 29.2 ins and less in a rather deep depression off the NW. of Scotland, 29.8 ins. and less in two shallow systems lying respectively over the Bay of Biscay, and over the E^rn. parts of the English Channel. Scotch depression subsequently moving away to the N. smaller disturbances in the S. entirely filling up.

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); 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 Wednesday, 8th November, 1899.

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	29.77	38	SW	2	b	29.86	+.35	36	35	− 6	SW	2	b	*	b	*	45	36	-
	Hernösand	29.97	31	NE	0	b	29.87	+.12	36	33	− 12	SSW	4	c	*	b	*	54	28	-
	Stockholm	30.07	43	SW	2	b	30.02	+.08	38	37	− 9	NE	0	c	*	b	*	50	38	-
	Wisby	30.08	46	W	2	f	29.99	+.01	44	44	− 5	SE	2	c	*	f	*	49	43	0.04
	Karlstad	30.05	44	NE	0	b	29.90	−.06	43	43	− 2	S	2	c	*	b	*	*	*	-
	Bodö	29.53	45	SW	6	bc	29.50	+.16	46	41	+ 5	E	4	c	1	bc	*	46	36	0.12
	Christiansund ...	29.67	46	ESE	2	c	29.43	−.22	53	44	+ 7	ESE	2	c	4	c	*	54	43	0.08
	Skudesnaes ...	29.81	51	S	8	o	29.49	−.42	52	49	+ 3	SSE	10	c	6	c.o	*	52	46	*
	Færder (X'iania Fjord)	30.00	48	SW	2	b	29.80	−.14	48	46	− 1	SSE	6	c	3	b	*	49	46	-
	The Scaw (Skagen)	30.04	49	SSW	2	m	29.82	−.19	46	45	+ 1	S	4	m	1	m	*	50	45	-
	Fanö	30.04	47	S	2	o	29.76	−.32	47	47	− 1	SE	6	c	*	o	*	54	45	-
British Islands	Sumburgh Head ...	29.23	50	S	8	r	28.92	−.67	50	50	+ 4	S	6	c	7	c.r	*	51	46	0.05
	Stornoway	29.09	51	WSW	5	c	28.78	−.51	45	44	− 5	NE	0	cam	10	r.c	0.1	54	42	0.75
	Wick	29.17	50	S	7	o	28.82	−.65	50	49	0	SW	3	r	3	o	*	54	48	0.05
	Nairn	29.20	48	S	1	b	28.85	−.62	45	45	− 6	W	2	p	2	b	*	58	44	0.08
	Aberdeen	29.35	51	SSE	9	ogq	28.87	−.78	46	44	− 3	SSW	5	cqp	6	ogq	0.0	52	46	0.03
	Leith	29.31	52	SW	3	c	28.95	−.70	48	44	− 3	SW	5	b	*	c	*	57	47	0.02
	Shields	29.52	51	S	5	om	29.04	−.77	48	46	+ 3	SW	3	cp	2	om.ou	*	53	42	0.20
	Spurn Head ...	29.71	51	S	7	c	29.23	−.77	50	48	+ 4	SSW	6	c	5	c.rq	*	54	45	0.23
	Loughborough ...	29.75	51	SSW	6	o	29.29	−.70	49	47	+ 4	SW	4	bc	*	q.rt.bc	*	53	45	0.52
	Malin Head ...	29.15	51	SW	4	bcp	28.78	−.47	45	44	− 7	SSW	5	cp	3	b.bcp	*	56	?	0.07
	Blacksod Pt. ...	29.13	54	SW	6	r	28.89	−.39	51	49	− 4	WSW	7	c	6	b.r.l	*	55	46	0.44
	Donaghadee ...	29.28	54	S	5	oq	28.96	−.60	45	44	− 9	SSW	5	bc	5	oq	*	55	44	0.10
	Liverpool (Bidston)	29.56	50	SSE	5	o.	29.17	−.65	47	44	− 1	S	4	b	4	om.r	*	55	46	0.19
	Holyhead	29.42	52	S	9	qrm	29.14	−.58	51	47	− 3	WSW	7	c	6	rqm	*	54	47	1.19
	Parsonstown ...	29.27	53	S	1	r	29.05	−.40	47	44	− 7	SW	1	c	*	or	1.0	58	44	0.49
	Valencia	29.26	51	SSW	5	cp	29.19	−.20	52	47	− 4	SW	9	cm	8	cm.pl	2.1	58	47	0.43
	Roche's Point ...	29.34	54	SSW	6	r	29.25	−.33	51	48	− 3	WSW	5	bc	5	rql	*	56	43	0.75
	Pembroke (St. Ann's Hd.)	29.49	54	SSW	8	r	29.30	−.51	53	51	− 3	WSW	7	cqp	7	or	0.0	56	49	0.58
	Scilly	29.58	55	S	9	m	29.50	−.38	54	50	− 2	WSW	8	c	7	r.m.l	0.0	59	49	0.36
	Jersey (St-Aubin's) ...	29.95	56	SSE	5	oq	29.60	−.55	55	52	+ 1	SW	6	oqp	5	o.qr	*	57	52	0.86
	Portland Bill ...	29.83	56	SSW	7	o	29.48	−.58	54	48	0	W	7	c	6	o	*	56	50	0.35
	Dungeness	29.96	55	SW	5	c	29.46	−.64	56	55	+ 4	SW	7	r	6	c.r	*	57	51	0.49
	London (Brixton) ...	29.98	52	S	3	o	29.45	−.64	49	48	+ 2	SW	3	o	*	o.oqr	1.3	57	46	0.38
	Oxford	29.73	53	SSW	4	o	29.40	−.63	49	47	+ 3	SW	4	cqu	*	o.q.r	*	55	46	0.36
	Yarmouth	29.93	50	SSW	3	bc	29.36	−.69	53	52	+ 5	SSW	5	rq	5	c.bc	*	53	45	0.16
France & Netherlands. Germany.	Cuxhaven	30.10	48	NE	0	b	29.77	−.31	48	48	− 3	S	4	c	*	b	*	60	43	-
	Berlin	30.12	54	NE	0	r	29.99	−.09	51	50	+ 6	NE	0	f	*	r	*	57	45	0.24
	Wiesbaden	*	*	*	*	*	29.94	−.17	51	51	+ 3	NE	0	f	*	*	*	52	48	0.12
	Munich	30.23	50	NE	0	r	30.13	−.14	46	45	+ 1	SSW	2	c	*	r	*	61	45	-
	The Helder ...	30.00	47	SSE	1	c	29.56	−.54	51	49	+ 7	S	4	c	2	c	*	55	43	-
	Brussels	*	*	*	*	*	29.68	−.55	55	52	+ 10	S	6	c	*	o	*	58	46	-
	C. Gris Nez ...	29.97	51	S	4	o	29.52	−.65	54	54	+ 7	SW	7	r	7	o	*	55	45	0.28
	Paris	30.10	52	SSE	1	o	29.78	−.49	56	53	+ 11	S	4	c	*	o	*	54	45	-
	Brest	29.88	57	S	5	o	29.64	−.48	54	50	− 1	WSW	6	c	6	o	*	57	50	1.62
	Lorient	29.95	59	E	6	o	29.70	−.45	54	54	0	W	6	r	7	o	*	61	54	0.83
	Rochefort	30.06	58	S	3	o	29.82	−.34	62	59	+ 9	SW	4	r	*	bc.o	*	64	53	-
	Belfort	30.15	54	NE	0	f	29.99	−.17	54	51	+ 1	NE	0	o	*	f	*	58	51	-
	Lyons	30.19	57	S	1	o	30.06	−.16	57	53	+ 7	S	2	c	*	o	*	64	50	-
	Nice	30.25	56	NE	0	bc	30.19	−.04	52	50	+ 1	E	2	b	1	bc	*	64	50	-
	Perpignan	30.17	62	E	2	o	30.05	−.14	64	50	+ 9	SW	2	b	*	o	*	67	49	-
	Biarritz	30.05	60	E	2	b	29.93	−.17	67	59	+ 10	SSW	5	c	3	b	*	64	55	-
Span. Pen.	Corunna														*		*			
	Lisbon														*		*			
	Azores (P. Delgada)																*			

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next p*

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

Bright Sunshine yesterday Southport hrs.

WEATHER CHARTS

FOR Wednesday 8th November, 1899.

BAROMETER, WIND AND SEA.

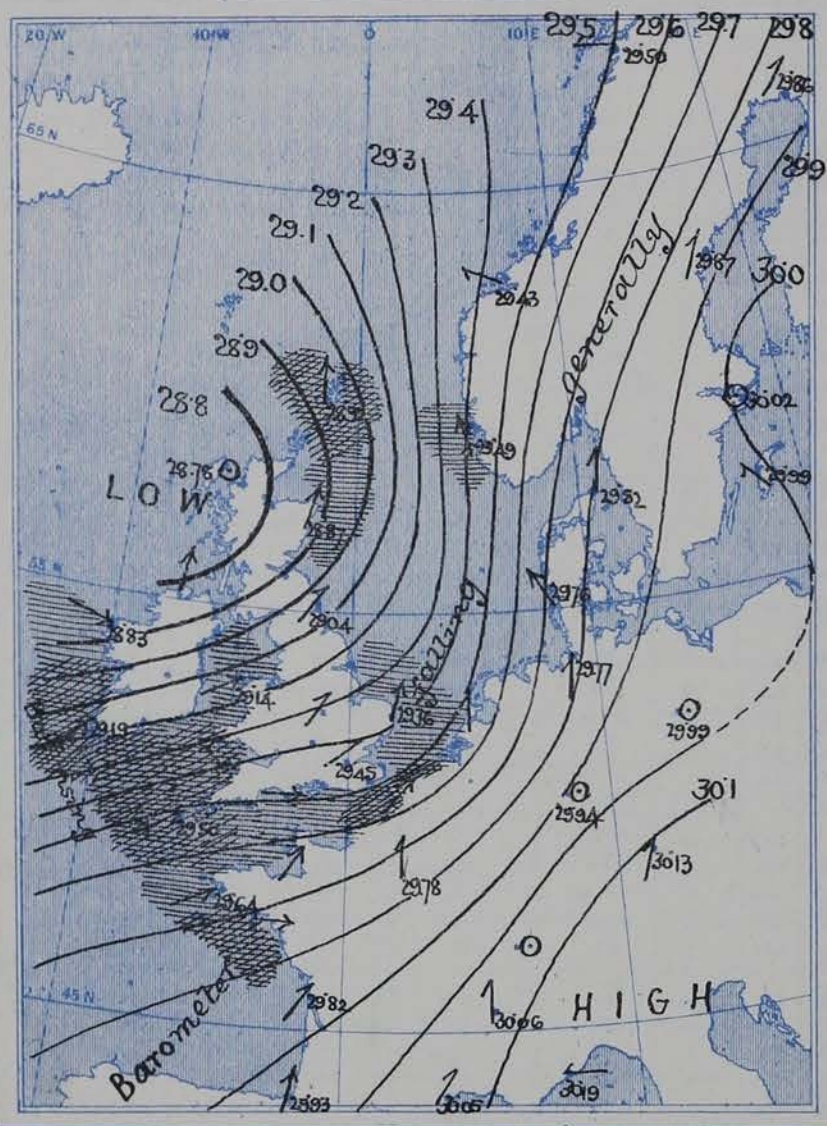
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓

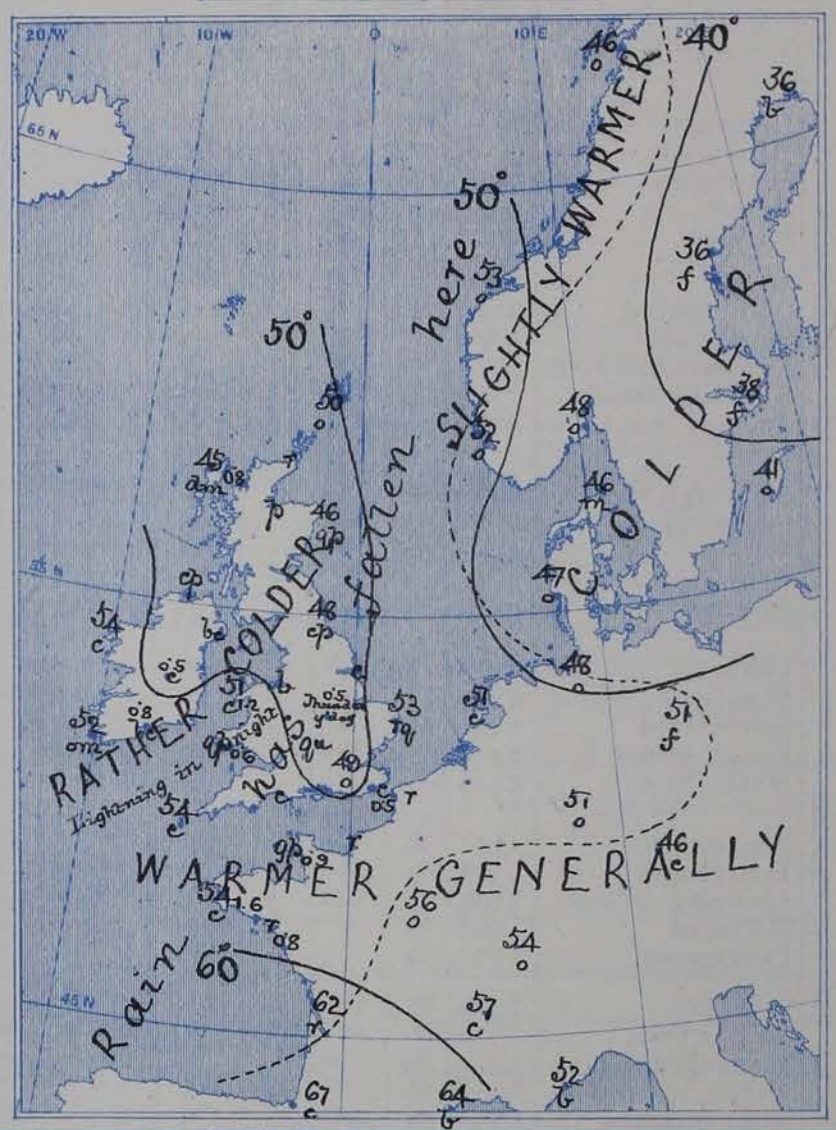


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·8	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 Switzerland, South Germany, and the southeast of France.
Lowest, 28·8 ins: and less, in a large and deep depression with its centre off the west of Scotland.
Gradients steep over northwestern Europe generally, but slight at present over Scotland.
Barometer falling generally, but rising on our own southwest coasts.

TEMPERATURE

Highest, 67° at Biarritz, 64° at Perpignan, 62° at Rochefort, 57° at Lyons, and 56° at Dunkerque and Paris.
Lowest, 36° at Haparanda and Hernösand, and 38° at Stockholm; lowest in our Islands 45° at Stornoway, Nairn, Malin Hd and Donaghadee.
During yesterday the thermometer rose to 55° and upwards in many parts of the United Kingdom and to 59° at Scilly.

WIND

SW in our Islands and France, and strong to a gale in force on our more western and southern coasts.
S or SE in Denmark and Scandinavia, with a whole gale at Christiansund. Calm at several of the German and Eastern French stations.

WEATHER

Fine at present over the greater part of England and Ireland, but showery in Scotland and also at Malin Hd, rain is falling at Dungeness & Gravelines.
Dull at most of the Continental stations, with fog in several parts of Sweden and Germany, and rain at Rochefort; fine in the extreme south of France.
Since yesterday morning rain has again fallen over the whole of northwestern Europe, the largest amounts reported being 1·6 ins: at Brest, 1·2 ins: at Holyhead, and 0·9 ins: at Jersey. Solar halos were seen yesterday at Oxford and Jersey. Lightning occurred at night on our southwest coasts, and thunder at Loughborough.

SEA

Very high at Valencia (Ireland) high on our southwest coasts generally and at Lumbruph Hd. rough or rather so in nearly all places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Large depressions continue to move rapidly along our extreme northwestern and northern coasts. The present disturbance is travelling northwards, but others are likely to appear shortly in the west, and equally changeable weather is likely to continue for a time over our Islands generally.

FORECASTS

For the 24 hours ending at NOON on 9TH NOVEMBER, 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
↓ 0 SCOTLAND NORTH	SW to S winds, strong, a gale in places; squally, rain at times.	↓ 6 SCOTLAND WEST	SW to S gales and strong winds; squally, some rain.
↓ 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	SW winds, strong in places; squally, some showers, with bright intervals.	WARNINGS	The SOUTH CONE is still flying in districts 0, 1, 6 to 10, 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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.93	51	49	S	6	c	4
Sumburgh Head	29.36	50	48	S	8	o	7
Stornoway... ...	29.08	54	52	SSW	6	r	6
Aberdeen	29.43	50	48	SSE	8	ogq	7
Shields	29.63	51	49	S	4	omr	2
Malin Head ...	29.19	55	51	SW	5	b	4
Blacksod Pt.. ...	29.19	55	51	SW	6	b	5
Holyhead	29.56	53	51	S	9	r	7

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.85	58	54	E	5	cm	6
Scilly	29.69	57	57	S	8	r	7
Jersey	30.06	56	52	SSE	4	o	3
Portland Bill ...	29.96	55	51	SW	6	o	6
Dungeness ...	30.04	55	52	SW	4	c	4
London (Westminster)	29.98	54	49	S	4	o	*
Yarmouth ...	29.99	53	50	SSW	4	c	3
Rochefort ...	30.12	63	59	ENE	2	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.

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

DAILY WEATHER REPORT

for 8 a.m. on Thursday 9th November, 1899.

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	29.75	37	SW	4	o	29.56	−.30	35	35	− 1	ESE	2	f	*	o	*	39	34	—
	Hernösand	29.67	39	SW	2	o	29.32	−.55	44	42	+ 8	S	8	r	*	o	*	44	25	0.24
	Stockholm	29.67	45	2	o	f	29.39	−.63	48	47	+ 10	SW	2	r	*	f	*	48	37	0.32
	Wisby	29.69	47	W	4	o	29.49	−.50	47	46	+ 3	WSW	4	o	*	o	*	48	37	0.28
	Karlstad	29.43	46	SE	6	r	29.32	−.58	47	46	+ 4	2	2	o	*	r	*	*	*	0.28
	Bodö	29.32	42	E	4	b	29.08	−.42	47	41	+ 1	ESE	6	o	1	b	*	48	37	—
	Christiansund ...	29.04	52	SSE	2	c	28.91	−.52	45	41	− 8	S	1	b	4	c	*	54	43	—
	Skudesnaes ...	29.10	50	S	8	bc	29.06	−.43	?50	47	− 2	SSW	6	c	5	rf. bc	*	52	45	*
	Færder (X'iania Fjord)	29.25	50	SE	8	r	29.21	−.59	49	48	+ 1	S	6	o	4	r	*	50	45	0.75
	The Scaw (Skagen)	29.31	49	SSW	6	m	29.28	−.54	49	48	+ 3	SSW	6	m	2	m	*	50	46	0.16
	Fanö	29.37	51	WSW	5	r	29.35	−.41	48	47	+ 1	SSW	4	c	*	r	*	54	46	0.24
British Islands.	Sumburgh Head † ...	28.70	46	SW	3	r	29.19	+.27	40	36	− 10	WNW	7	op	7	r	*	51	37	0.61
	Stornoway	28.86	47	NW	4	d	29.54	+.76	38	36	− 7	NW	3	c	3	o. d	1.8	51	34	0.20
	Wick	28.80	45	W	3	bc	29.43	+.61	40	38	− 10	NW	6	chpw	4	bc	*	51	36	0.10
	Nairn	28.85	44	W	1	o	29.54	+.69	39	38	− 6	W	3	c	3	o	*	52	36	0.13
	Aberdeen	28.85	46	SW	2	bc	29.53	+.66	39	35	− 7	W	3	b	3	cw. bc	2.8	50	38	—
	Leith	28.83	48	SW	3	o	29.63	+.68	40	37	− 8	W	3	bc	*	o	*	54	38	0.02
	Shields	28.97	49	SSW	3	bc	29.58	+.54	43	41	− 5	W	3	b	2	r. bc	*	54	41	0.02
	Spurn Head ...	29.19	50	SW	6	bc	29.67	+.44	48	46	− 2	W	6	cqw	4	bc	*	56	47	—
	Loughborough ...	29.31	48	SW	5	c	29.78	+.49	45	43	− 4	WSW	3	b	*	bcpq	*	54	45	0.15
	Malin Head ...	29.05	46	NW	7	cq	29.70	+.92	45	43	o	NW	4	bcp	3	cq	*	49	44	?
	Blacksod Pt.	29.32	50	NNW	5	bcp	29.76	+.89	45	44	− 6	NW	2	b	3	bcp	*	53	43	0.88
	Donaghadee ...	29.03	48	NW	6	bpq	29.73	+.77	43	42	− 2	WSW	3	c	3	b	*	52	40	0.01
	Liverpool (Bidston)	29.18	49	SW	6	o	29.75	+.58	48	46	+ 1	W	6	c	5	m. op	*	53	46	0.09
	Holyhead	29.23	51	W	7	opq	29.79	+.65	49	47	− 2	WNW	6	c	4	cpq. b	*	53	47	0.05
	Parsonstown ...	29.34	47	W	1	b	29.82	+.77	45	44	− 2	SW	1	bc	*	p. b	1.9	53	43	0.09
	Valencia	29.52	44	W	7	cpq	29.85	+.66	50	45	− 2	WSW	1	cq	5	cpq	1.1	54	48	0.25
	Roche's Point ...	29.43	52	WSW	4	bcqp	29.87	+.62	49	47	− 2	WNW	3	c	3	bcpq	*	54	43	?
	Pembroke (St. Ann's Hd.)	29.39	53	W	7	c	29.87	+.57	52	51	− 1	WNW	4	bc	5	c	1.6	54	50	0.05
	Scilly	29.60	54	WSW	7	cq	29.92	+.42	53	50	− 1	WSW	4	c	7	cq	4.5	59	47	0.11
	Jersey (St. Aubin's) ...	29.73	54	W	6	cpq	29.99	+.39	55	50	o	W	5	cw	4	bcpq	*	58	50	0.18
	Portland Bill ...	29.56	52	W	8	bcq	29.88	+.40	53	49	− 1	NW	6	c	5	bcq	*	56	50	0.06
	Dungeness	29.52	54	W	8	c	29.83	+.37	50	49	− 6	WNW	6	b	5	bc, cq	*	58	49	0.26
	London (Brixton) ...	29.49	51	W	5	ol	29.86	+.41	48	45	− 1	SSW	4	b	*	o, cpq. b	?3.0	57	46	—
	Oxford	29.44	48	SW	6	r	29.86	+.46	46	44	− 3	SW	4	b	*	rq. b	*	55	44	0.09
	Yarmouth	29.39	51	SW	5	bc	29.72	+.36	47	45	− 6	WSW	4	b	4	bc	*	54	44	0.07
France & Netherlands. Germany.	Cuxhaven	29.47	50	SW	3	r	29.48	−.29	47	46	− 1	SW	5	c	*	r	*	57	43	0.20
	Berlin	29.66	55	SSW	3	r	29.73	−.26	45	44	− 6	WSW	4	b	*	r	*	57	45	0.24
	Wiesbaden	*	*	*	*	*	29.89	−.05	50	48	− 1	SW	4	o	*	*	*	54	45	0.12
	Munich	29.89	51	SW	2	o	30.06	−.07	44	41	− 2	SW	5	b	*	o	*	59	43	0.12
	The Helder ...	29.45	54	SW	5	b	29.61	+.05	52	48	+ 1	W	6	c	6	b	*	54	48	0.35
	Brussels	*	*	*	*	*									*		*			
	C. Gris Nez ...	29.57	54	W	7	o	29.86	+.34	53	52	− 1	WNW	7	bc	7	o	*	55	52	0.59
	Paris	29.84	49	SSW	2	b	30.01	+.23	46	44	− 10	SSW	3	bc	*	b	*	57	46	0.35
	Brest																*			
	Lorient	29.88	56	WNW	6	r	30.05	+.35	55	51	+ 1	W	4	c	5	r	*	59	52	0.12
	Rochefort	29.95	59	WSW	4	c	30.07	+.25	59	55	− 3	NW	3	o	*	r. c	*	62	54	0.43
	Belfort	29.88	51	SSW	8	r	30.06	+.07	46	44	− 8	W	4	c	*	r	*	64	44	0.28
	Lyons	30.04	55	WSW	3	r	?	?	46	46	− 11	W	1	o	*	r	*	65	46	0.08
	Nice	30.06	59	SW	2	c	29.90	−.29	60	51	+ 8	SW	1	c	3	c	*	63	52	—
	Perpignan	30.04	62	NE	2	c	30.14	+.09	58	56	− 6	2	0	o	*	c	*	73	56	—
	Biarritz	30.01	61	NW	5	r	30.09	+.16	57	55	− 10	SSE	1	m	7	r	*	68	52	0.16
Span. Pen.	Corunna																*			
	Lisbon	30.23	61	WSW	2	bc	30.25	+.01	54	54	o	NE	2	f	*	bc	*	64	54	—
	Azores (P. Delgada)	30.10	66	SSW	5	bc	30.04	−.13	62	61	− 2	WNW	4	o	5	bc	*	68	61	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 1·1 *hrs.*

WEATHER CHARTS

FOR *Thursday, 9th November, 1899.*

BAROMETER, WIND AND SEA.

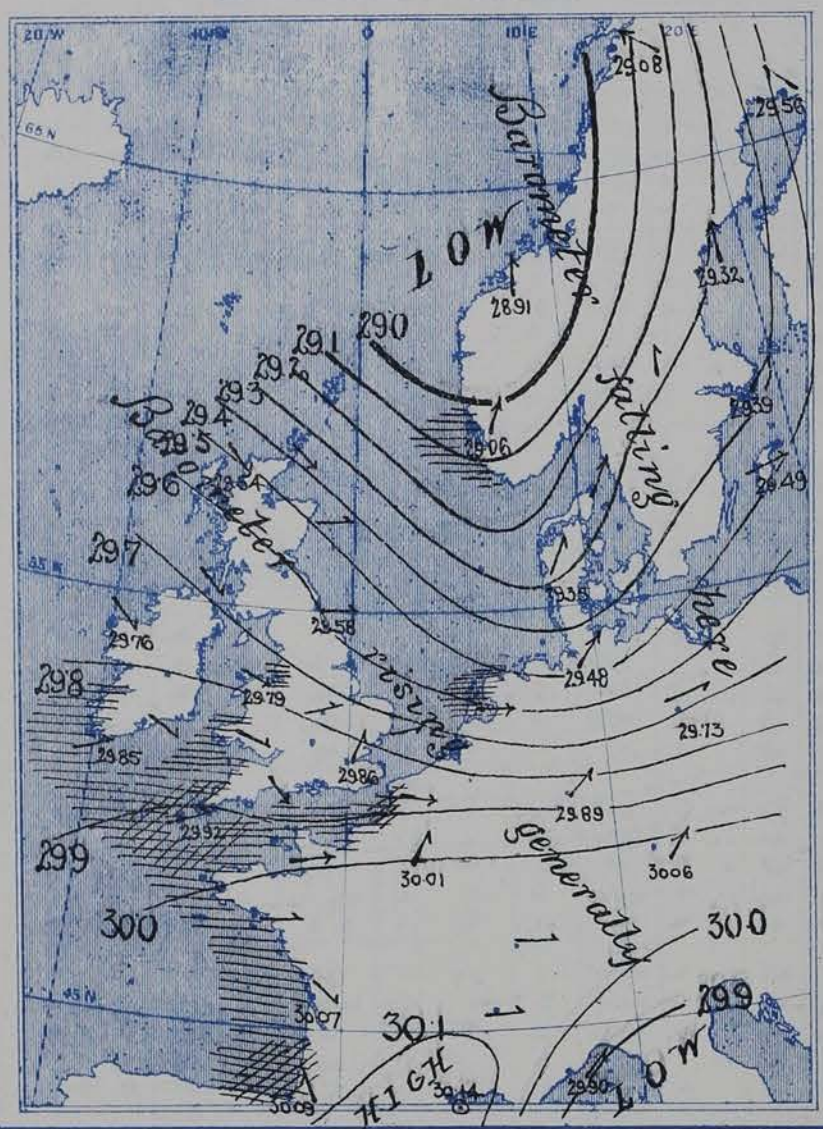
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫→ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩→ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓



TEMPERATURE AND 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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 30·25 ins. at Lisbon, 30·0 ins. and more over the greater part of France, and exceeding 29·8 ins. over the S^rn. and SW^rn. parts of our Islands.
Lowest 29·0 ins. and less in a depression off the W. of Norway.
Gradients rather steep over the North Sea, slight and variable in Ireland and France.
Barometer rising in our Islands generally – most in the N. and NE.; in the west the rise was checked.

TEMPERATURE

Highest 59° to 55° in the W. of France, 55° at Jersey, 50° at Dungeness, Valencia & S^t. Sebastian.
Lowest (1) 35° at Haparanda, 44° at Hernösand; (2) 38° at Stornoway, 39° both at Nairn and Aberdeen.
It has fallen briskly over the United Kingdom and France during the night.

WIND

W^ly to NW^ly in most parts of the United Kingdom, and still blew strongly in places. In London and at Oxford, however, it was locally SW^ly.
At the Irish stations it has fallen light and was inclined to back again.

WEATHER

Fair as a whole, but not in a settled state. At Valencia it has become dull and gloomy again. In London the sky was too brilliant to indicate settled weather. Some rain has fallen at almost all stations; lightning has occurred over the SE^rn. and central parts of England. Bright Sunshine yesterday amounted to between 4 and 5 hours at our S^rn. stations, but was slight elsewhere.

SEA

Rough at our W^rn. and S^rn. stations, moderate in the N. and E.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It is probable that the wind will back to the S^wd. again shortly, and increase in force, with rain, first at the W^rn. and N^rn. stations and later on over England.

FORECASTS

For the 24 hours ending at NOON on 10^th. November, 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Wind backing to SW^a. S^t. increasing, with rain and rising temperature.
1	SCOTLAND EAST	NW^ly to W^ly winds, fine; then backing to SW, foggy in places^t subsequently unsettled.
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W^ly to S^ly winds; fine to-day, unsettled later and warmer.
6	SCOTLAND WEST	SW^ly and S^ly winds, increasing; warmer, and becoming rainy.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	None issued at present.

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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.18	49	47	SE	10	rf	7
Sumburgh Head	28.69	50	49	S	3	r	6
Stornoway... ...	28.75	50	47	WNW	3	o	3
Aberdeen	28.85	49	46	SSW	3	cu	5
Shields	29.00	53	48	SSW	5	b	2
Malin Head ...	28.71	49	48	WNW	6	c	6
Blacksod Pt.. ...	29.05	51	49	NW	6	bcp	6
Holyhead	29.14	52	47	WSW	8	opq	6
Valencia	29.34	51	47	W	8	cpq	7
Scilly	29.54	54	49	W	8	cq	7
Jersey	29.67	57	50	WSW	7	bcpq	5
Portland Bill ...	29.53	54	49	W	8	o	7
Dungeness ...	29.49	57	54	WNW	8	bc	6
London (Westminster)	29.45	57	49	WSW	5	bc	*
Yarmouth ...	29.36	54	48	SW	5	bc	4
Rochefort ...	29.88	59	56	WSW	5	r	*

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

Weather in morning fine over the greater part of England and Ireland, but showery in Scotland. Cloudy or dull over the greater part of the Continent, with fog at many of the N^rn. central and E^rn. stations, and rain in the W. and N. of France, as well as on the extreme S.E. coasts of England. Fine in the extreme S. of France and N^rn. Italy, as well as in Greece. Rain falling later over W^rn. and N^rn. Europe generally; lightning seen at several of the English stations.

Temperature risen over England and the W^rn. parts of the Continent, fallen elsewhere. Morning readings highest 71° at Algiers, 69° at Malta, and 67 at Biarritz and Bilbao; above 60° at most of the Mediterranean stations. Lowest 32° at Ulleaborg, 35° at Cracow, and 36° at Archangel, Haparanda and Hernösand; rising during day to 55° and upwards at most of our own central and S^rn. stations; exceeding 65° in the S. of France, and reaching 73° at Perpignan.

Wind SW. over our Islands and the north and west of France, and strong to a gale in force on our western and southern coasts; S. or SE. over central France, the Netherlands, Germany, Denmark and Scandinavia, with a whole gale at Skudesnaes. Variable over southern Europe generally, but light from the E^rn. or NE^rn. over Turkey, Greece and the south of Russia; calm in Austria. Subsequently veering to the W^rn. or NW^rn. on our own western coasts. No important change occurring elsewhere.

Barometer highest 30.4 ins. and upwards in the S. of Russia; 30.2 ins. and upwards in Portugal; 30.1 ins. and upwards in an anticyclone covering the greater part of E^rn., central and S^rn. Europe. Lowest 28.8 ins. and less in a large and deep depression with its centre to the W^rd. of Scotland; gradients steep over NW^rn. Europe generally. Depression subsequently travelling NE^wds.; and barometer rising on all our W^rn. and S^rn. 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 Friday, 10th November, 1899.

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	29.40	41	S	4	c	29.56	.00	40	39	+ 5	SW	2	c	*	c	*	44	32	0.20
	Hernösand	29.39	45	S	2	c	29.55	+.23	41	39	- 3	NW	2	r	*	c	*	46	34	0.47
	Stockholm	29.48	46	2	0	c	29.54	+.15	38	37	- 10	SSW	2	b	*	c	*	48	38	—
	Wisby	29.56	47	WSW	6	c	29.61	+.12	42	40	- 5	W	6	c	*	c	*	49	42	—
	Karlstad	29.31	46	S	2	c	29.60	+.28	40	39	- 7	?	2	bc	*	c	*	*	*	0.16
	Bodö	29.10	44	E	4	b	29.31	+.23	39	37	- 8	SW	6	r	5	b	*	47	37	—
	Christiansund ...	29.36	41	WSW	9	S	29.67	+.16	37	36	- 8	WSW	5	s	6	s	*	48	37	0.24
	Skudesnaes ...	29.62	49	NNW	7	bc	29.76	-.30	39	37	- 11	ESE	2	c	3	bc	*	50	37	*
	Færder (X'iania Fjord)	29.35	46	W	6	c	29.70	+.49	42	36	- 7	NW	2	b	4	c	*	50	41	—
	The Scaw (Skagen)	29.51	45	W	6	b	29.73	+.45	42	38	- 7	NW	2	b	c	b	*	50	42	—
	Fanö	29.85	45	W	6	b	29.85	+.50	43	41	- 5	Z	0	c	*	b	*	52	43	0.04
British Islands	Sumburgh Head ...	29.62	39	WNW	6	c sp	29.54	+.35	42	40	+ 2	S	4	c	6	c. sp	*	42	35	0.03
	Stornoway	29.71	40	2	0	c	29.19	-.35	44	43	+ 6	SE	4	c	*	c	0.9	45	35	0.10
	Wick	29.72	45	NW	3	bc	29.23	-.20	45	44	+ 5	SE	4	ru	6	bc	*	47	34	0.20
	Nairn	29.76	39	2	0	bc	29.29	-.25	44	43	+ 5	SE	2	c	2	bc	*	45	32	0.06
	Aberdeen	29.82	41	WSW	2	c	29.36	-.17	46	45	+ 7	SE	9	c gq	7	c q	5.5	46	36	0.10
	Leith	29.80	43	W	3	m	29.23	-.40	48	46	+ 8	E	2	c	*	m	*	48	38	0.19
	Shields	29.87	44	W	1	bm	29.35	-.23	48	48	+ 5	SE	4	c	3	b. r	*	49	38	0.12
	Spurn Head ...	29.91	47	S	1	b	29.38	-.29	50	49	+ 2	SE	5	ru	5	b	*	53	45	0.19
	Loughborough ...	29.93	48	SSE	1	c	29.41	-.37	52	51	+ 7	SSW	3	bcu	*	bc. c. or	*	55	45	0.29
	Malin Head ...	29.71	45	SE	2	c	28.91	-.79	51	50	+ 6	S	5	ma	3	c. c	*	51	45	0.10
	Blacksod Pt. ...	29.62	49	SSE	4	c	29.04	-.72	54	52	+ 9	W	6	cp	5	c	*	54	45	0.86
	Donaghadee ...	29.79	48	SW	2	c	29.12	-.61	53	53	+ 10	SW	4	c	4	c. q	*	53	43	0.93
	Liverpool (Bidston)	29.86	49	SE	1	c	29.30	-.45	50	49	+ 2	SE	2	c	3	c	*	51	46	0.06
	Holyhead	29.82	50	S	2	q m dp	29.24	-.55	55	54	+ 6	SW	5	cp	4	c. 2 mp	*	55	47	0.49
	Parsonstown ...	29.66	48	SE	1	c	29.18	-.64	53	51	+ 8	WSW	1	r	*	c	0.8	54	44	0.12
	Valencia	29.46	52	SE	1	c mu	29.38	-.47	54	51	+ 4	WSW	8	c gm	7	c v. c mu	0.0	57	47	0.43
	Roche's Point ...	29.64	51	S	1	r	29.35	-.52	53	50	+ 4	W	4	c	5	r	*	56	49	0.22
	Pembroke (St. Ann's Hd.)	29.82	53	SSW	4	c	29.34	-.53	56	55	+ 4	SW	1	c qp	6	c	0.5	56	48	0.66
	Scilly	29.72	54	SSE	1	m	29.51	-.41	56	54	+ 3	WSW	1	c q	6	c. q m	0.1	57	49	0.62
	Jersey (St. Aubin's) ...	29.98	55	SSE	4	c q	29.68	-.31	59	56	+ 4	SW	5	b c m	4	c. q. r	*	59	53	0.46
	Portland Bill ...	29.96	54	SSW	3	c	29.52	-.36	57	55	+ 4	SW	1	c	6	c. r	*	57	50	0.77
	Dungeness ...	30.00	54	W	3	c	29.56	-.27	58	57	+ 8	W	1	c	5	b. r	*	59	50	0.46
	London (Brixton) ...	29.99	50	WSW	2	c m	29.51	-.35	56	54	+ 8	SW	3	c		b. q r	5.9	57	47	0.40
	Oxford	29.91	48	S	2	c	29.46	-.40	55	53	+ 9	S	2	c	*	bc. or	*	56	45	0.47
	Yarmouth	29.93	50	NW	1	c m	29.44	-.28	54	53	+ 7	S	6	c q	5	c. c m	*	54	45	0.15
France & Netherlands. Germany.	Cuxhaven	29.83	47	NW	4	b	29.89	+.41	40	39	- 7	SSW	2	c	*	r. b	*	50	37	0.20
	Berlin	29.95	48	W	4	c	30.01	+.28	41	40	- 4	WSW	3	b	*	c	*	55	41	—
	Wiesbaden	*	*	*	*	*	30.04	+.15	42	41	- 8	W	1	c	*	*	*	54	41	—
	Munich	30.20	46	SW	5	b	30.15	+.09	35	34	- 9	SE	3	b	*	b	*	52	32	—
	The Helder ...	29.95	50	WNW	3	b	29.67	+.06	46	45	- 6	SSE	3	r	1	b	*	54	45	—
	Brussels	*	*	*	*	*	29.75		48	47		SSE	6	r	*	b	*	55	41	0.16
	C. Gris Nez ...	30.05	51	W	2	c	29.60	-.26	56	56	+ 3	SW	6	c	6	c	*	57	52	0.51
	Paris	30.13	48	S	2	b	29.84	-.17	54	53	+ 8	S	4	r	*	b	*	62	45	0.04
	Brest	29.88	54	S	5	r	29.75		57	55		WSW	6	c	6	r	*	57	52	1.06
	Lorient	29.97	56	S	5	r	29.80	-.25	59	59	+ 4	SW	6	c	6	r	*	59	55	0.35
	Rochefort	30.06	59	S	3	c	29.96	-.11	64	61	+ 5	SW	4	c	*	c	*	66	59	0.12
	Belfort	30.18	48	WSW	2	b	30.10	+.04	39	38	- 1	Z	0	m	*	b	*	54	36	—
	Lyons	30.21	50	N	1	bc	30.18	?	42	41	- 4	SSE	1	c	*	bc	*	58	40	—
	Nice	29.99	55	ENE	4	b	30.11	+.21	55	49	- 5	Z	0	b	1	b	*	64	52	—
	Perpignan	30.16	60	NW	2	c	30.15	+.01	51	50	- 1	SW	2	b	*	c	*	68	50	—
	Biarritz	30.06	61	SE	1	c	30.01	-.08	63	57	+ 6	S	3	bc	4	c	-	63	57	—
Span. Pen.	Corunna														*		*			
	Lisbon														*		*			
	Azores (P. Delgada)	30.22	60	NNW	2	bc	30.30	+.26	57	55	- 5	N	2	c	3	bc	*	66	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 2.9 hrs.

WEATHER CHARTS

FOR Friday, 10th November, 1899.

BAROMETER, WIND AND SEA.

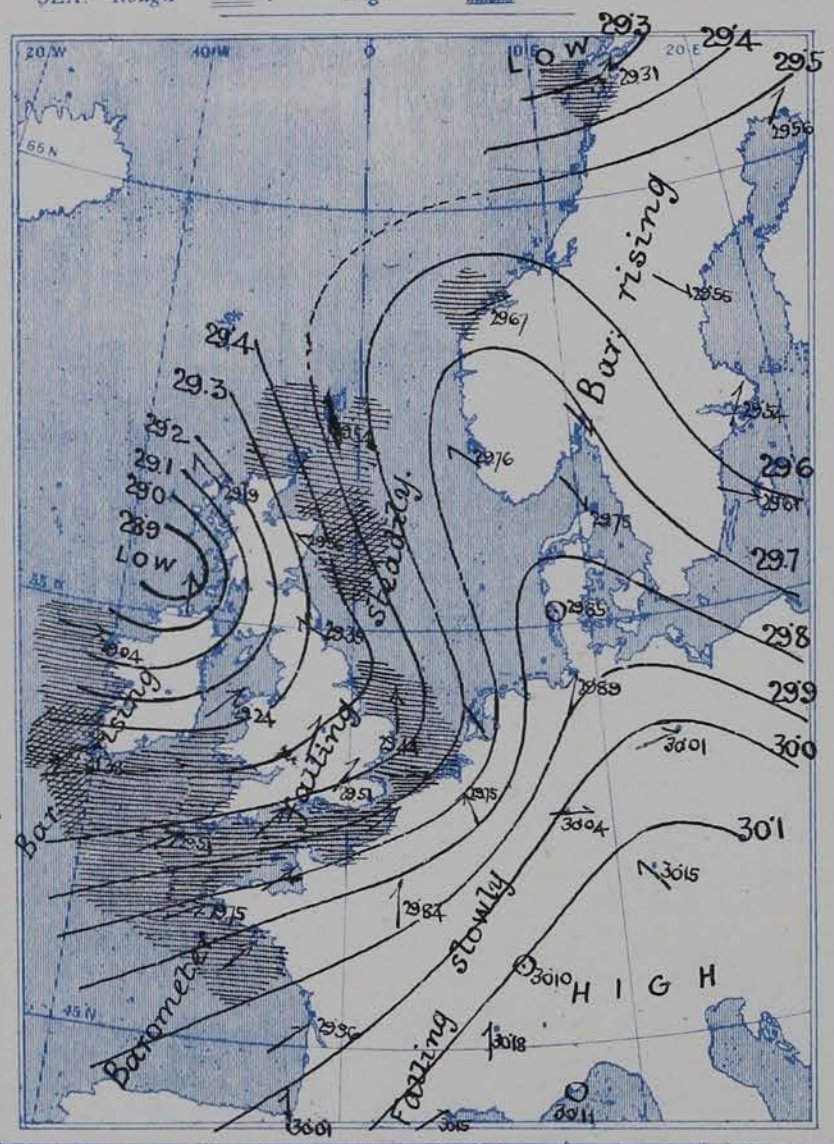
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓

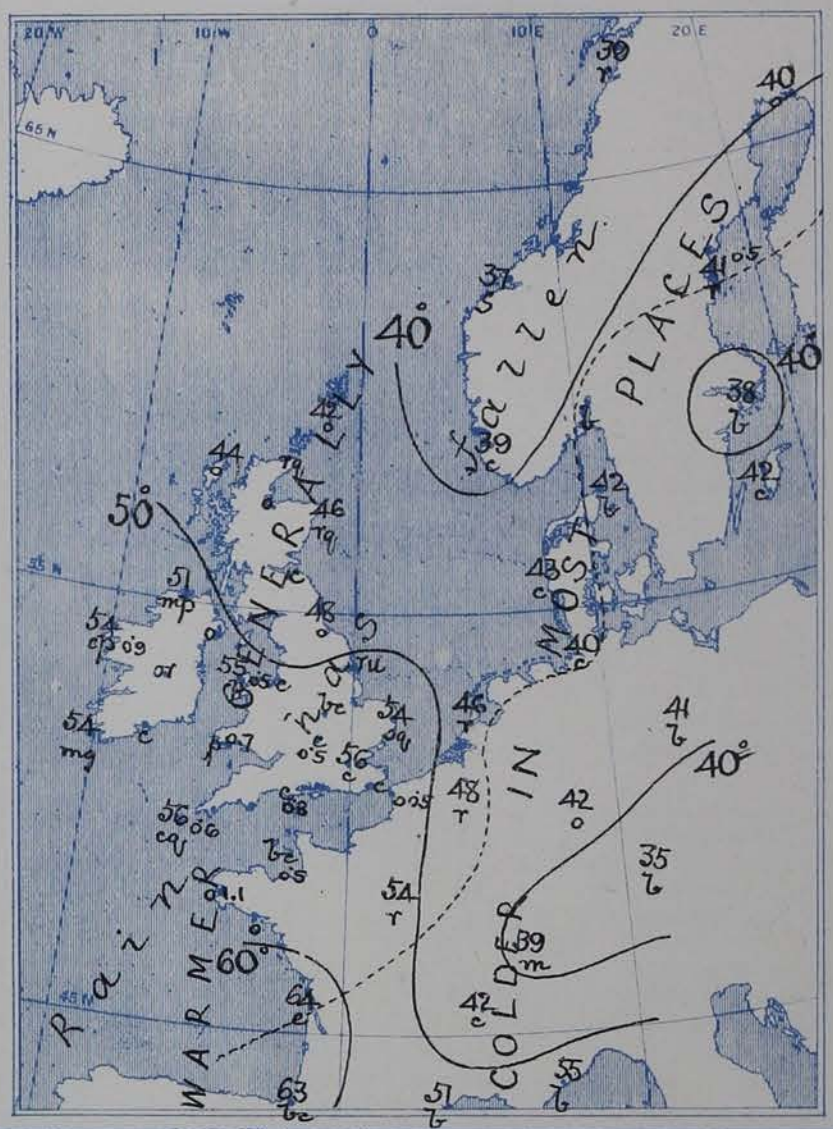


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 more over Switzerland, south Germany, and the southeast of France
Lowest, 28·9 ins. and less, in a depression off the north of Ireland.
Gradients rather steep but irregular over our Islands.
Barometer rising again at our southwestern stations.

TEMPERATURE

Highest, 64° at Rockefort, above 55° over our southern and southwestern counties.
Lowest, 39° at Bodö and Skudesnaes, 42° at Dunbeath Head, 44° to 46° on the Scotch coasts.
The maximum readings recorded yesterday varied from 55° to 59° over the greater part of Ireland and England.

WIND

SE., moderate to a gale in Scotland, S. to SW. over England, W. in Ireland, SW. in the north of France.
Moderate to fresh gales have been felt in most places during the night.

WEATHER

Changeable — squally and showery over the British Isles and the north of France generally, though clearing temporarily in a few places.
A great deal of rain has fallen over the southwestern and southern parts of the Kingdom.
Bright Sunshine recorded yesterday amounted to 7 hrs on many parts of our southeast coasts, but was very slight in Ireland & Scotland.

SEA

high in the southwest, rough in the south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general condition of the weather in our Islands is very unsettled and further rains and southwesterly gales are expected.

FORECASTS

For the 24 hours ending at NOON on 11TH NOVEMBER, 1899.

DISTRICTS.	FORECASTS.
☈0 SCOTLAND NORTH	SE. 24 to SW. 24 winds, a gale at times; rainy, squally to fair.
☈1 SCOTLAND EAST	
☈2 ENGLAND N.E.	S. 24 to W. 24 winds, strong; squally, rainy at times.
☈3 ENGLAND EAST	
4 MIDLAND COUNTIES	
☈5 ENGLAND SOUTH	
☈6 SCOTLAND WEST	W. 24 to S. 24 gales and strong winds; squally, showery.
☈7 ENGLAND N.W.	
☈8 ENGLAND S.W.	
☈9 IRELAND NORTH	
☈10 IRELAND SOUTH	
WARNINGS	At 0·45 pm yesterday to districts 6, 9, and 10, at 3·40 pm to districts 0, 1, 7, and 8, and at 7·15 pm to districts 2, 3, and 5 "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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.39	43	40	NW	9	r	5
Sumburgh Head	29.50	39	37	WNW	7	c	7
Stornoway... ...	29.69	45	44	NW	3	o	3
Aberdeen	29.74	44	38	W	4	cq	3
Shields	29.83	48	41	WNW	2	b	2
Malin Head ...	29.76	49	46	SW	2	c	2
Blacksod Pt.. ...	29.73	49	47	SSE	3	c	4
Holyhead	29.87	52	48	SW	1	c	2
Valencia	29.70	52	47	ESE	4	ov	5
Scilly	29.87	55	53	SSE	5	o	7
Jersey	30.05	57	52	SW	5	o	4
Portland Bill ...	29.99	55	49	W	1	c	3
Dungeness ...	29.97	58	53	WNW	4	b	3
London (Westminster)	29.95	57	49	WSW	2	bc	*
Yarmouth ...	29.88	51	47	NW	3	c	4
Rochefort ...	30.06	61	59	SE	3	o	*

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

Weather in morning fair over France, and temporarily fine over the greater part of our Islands, raining and unsettled over the Baltic and northern Europe, with hail squalls at Wick and rain showers at Malin Hd. Rain later over the whole of our Islands and the northern parts of France, heaviest in the southwest and south.

Temperature fallen over Western Europe generally. Morning readings highest (1) 75° at Algiers, 70° at Malta, 64° at Barcelona, 62° at Brindisi; (2) 59° at Rochefort, 55° at Jersey and 50° to 53° on our south and southwest coasts. Lowest (1) 35° at Haparanda, 37° at Moscow, 40° at Kharkov; (2) 38° at Stornoway, 39° at Nairn and Aberdeen, 40° at Leith. Rising later to 50° and more over Ireland and England, to 57° at London, ~~Jersey~~, Portland Bill, and Valencia, 59° at Jersey and Dungeness, and to 66° at Belfast and 64° at Kiel.

Wind (1) very light and variable over all the southern and southeastern parts of Europe; (2) S² to SW³, a gale in places, over northern Europe and the Baltic, W² to NW³ over the British Isles (a gale in places), but tending to back towards SW. again at the western stations. S³ and SW³ gales and rain over the greater part of the Kingdom later.

Barometer in morning, highest, 30·25 ins: at Lisbon, 30·15 ins: at Limoges, and exceeding 29·9 ins: over almost the whole of southwestern southern and eastern Europe. Lowest below 29·0 ins: in a depression over and off the western part of Norway. A new deep depression advancing to Ireland later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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„ Weekly „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 11th November, 1899.

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	29.53	36	SW	2	0	29.58	+.02	33	32	- 7	SW	2	6	-	0	-	43	33	0.12
	Hernösand	29.72	32	N	0	6	29.71	+.16	24	22	- 17	N	0	6	-	6	-	46	24	-
	Stockholm	29.73	40	N	0	0	29.67	+.13	39	37	+ 1	N	0	6	-	0	-	?	36	-
	Wisby	29.70	41	NW	4	6	29.67	+.06	37	37	- 5	S	4	c	-	6	-	43	?	-
	Karlstad	29.74	35	NNE	2	6	29.60	-.00	39	37	- 1	NNE	2	0	-	6	-	-	-	-
	Bodö	29.45	40	SW	7	r	29.56	+.25	37	36	- 2	W	6	0	8	r	-	39	34	0.24
	Christiansund ...	29.65	37	NSW	2	c	29.43	-.24	35	31	- 2	ESE	4	c	4	c	-	37	34	0.04
	Skudesnaes ...	29.52	43	SE	6	0	29.32	-.44	44	41	+ 5	SE	8	r	5	bc.0	-	45	39	-
	Færder (X'iania Fjord)	29.71	41	NE	2	c	29.50	-.20	40	39	- 2	ENE	5	r	3	c	-	43	39	-
	The Scaw (Skagen)	29.65	42	S	1	bc	29.39	-.34	45	44	+ 3	SE	4	r	1	bc	-	46	41	0.24
	Fanö	29.45	45	ESE	6	0	29.62	-.23	47	44	+ 4	NSW	8	c	-	0	-	50	43	0.32
British Islands.	Sumburgh Head ...	29.18	42	SE	7	r	29.08	-.46	44	43	+ 2	W	6	r	7	r	-	46	42	0.49
	Stornoway	28.72	50	SE	4	r	29.27	+.08	44	40	0	NNW	5	c	5	0.r	0.0	50	38	0.75
	Wick	28.92	50	SE	8	r	29.28	+.05	42	40	- 3	NNW	4	cu	6	rq	-	53	39	0.15
	Nairn	28.91	50	SSW	5	0	29.35	+.06	40	38	- 4	SW	3	b	3	0	-	52	38	0.14
	Aberdeen	29.01	50	SSW	6	cq	29.43	+.07	40	37	- 6	SW	2	bc	3	rq.cq	0.0	51	39	0.17
	Leith	29.16	50	NSW	5	r	29.53	+.30	45	42	- 3	NSW	6	r	-	r	-	55	41	0.24
	Shields	29.29	52	SW	4	c	29.65	+.30	48	44	0	SW	4	0	2	r.c	-	55	43	0.05
	Spurn Head ...	29.42	53	W	7	c	29.82	+.44	47	45	- 3	W	5	b	4	c.q	-	57	43	0.03
	Loughborough ...	29.57	51	W	6	b	29.94	+.53	48	45	- 4	NSW	5	bq	-	cqp.bq	-	59	44	0.03
	Malin Head ...	29.25	48	W	10	cq	29.58	+.67	43	42	- 8	NW	7	bc qp	6	0.cq	-	54	42	0.22
	Blacksod Pt. ...	29.64	48	NW	8	bc	29.81	+.77	48	44	- 6	NW	7	cq	6	cqp.bc	-	50	43	0.13
	Donaghadee ...	29.40	48	NNW	6	cqp	29.64	+.52	44	44	- 9	W	5	bcqp	5	cqp	-	56	43	0.15
	Liverpool (Bidston)	29.53	48	NSW	8	0	29.84	+.54	50	46	0	SW	3	bc	5	0	-	57	46	0.02
	Holyhead	29.61	50	NNW	8	cqp	29.84	+.60	52	48	- 3	NSW	7	cq	6	c.cqp	-	56	45	0.03
	Parsonstown ...	29.79	44	W	2	b	29.91	+.73	48	45	- 5	SW	2	oq	-	cqp.b	2.2	53	44	0.17
	Valencia	29.91	51	W	7	bcq	30.10	+.72	53	49	- 1	NSW	6	cq	6	cq.bcq	3.5	54	49	0.11
	Roche's Point ...	29.88	48	NNW	8	b	30.08	+.73	52	50	- 1	NNW	4	cp	4	q.bl	-	54	41	0.08
	Pembroke (St. Ann's Hd.)	29.80	52	N	8	bc	30.02	+.68	54	53	- 2	N	7	cu	6	o,bc	1.9	56	45	0.02
	Scilly	29.97	54	NNW	7	cp	30.20	+.69	54	52	- 2	NSW	6	cp	5	c.cp	5.0	58	48	0.02
	Jersey (St. Aubin's) ...	29.95	57	W	7	cqr	30.30	+.62	55	48	- 4	W	4	bc	4	o.crq	-	61	52	0.03
	Portland Bill ...	29.79	55	NW	9	c	30.16	+.64	53	49	- 4	NW	7	bc	6	cq	-	58	50	-
	Dungeness	29.71	55	NNW	7	b	30.19	+.63	52	50	- 6	W	6	b	5	c.b	-	60	45	0.02
	London (Brixton) ...	29.71	53	W	4	b	30.10	+.59	48	45	- 8	W	4	b	-	bcq.b	1.3	59	42	-
	Oxford	29.82	48	W	3	b	30.07	+.61	48	45	- 7	SSW	3	bc	-	p.b	-	58	44	0.02
	Yarmouth	29.49	56	W	5	cq	29.95	+.51	46	44	- 8	SW	5	b	4	c.cq	-	59	42	-
France & Netherlands. Germany.	Cuxhaven	29.50	47	S	5	0	29.81	-.08	47	44	+ 7	W	8	oqr	-	o	-	52	40	0.32
	Berlin	29.72	46	SW	3	r	29.84	-.17	56	47	+ 9	W	5	b	-	r	-	52	41	0.12
	Wiesbaden	*	*	*	*	*	30.22	+.18	48	45	+ 6	SW	4	bc	-	-	-	48	42	0.20
	Munich	29.98	50	SW	6	0	30.25	+.10	47	45	+ 12	W	6	c	-	0	-	52	35	0.41
	The Helder ...	29.49	56	SW	4	0	29.93	+.26	52	47	+ 6	NSW	6	b	6	0	-	55	46	0.16
	Brussels	*	*	*	*	*	30.22	+.47	43	40	- 5	SW	3	b	-	b	-	60	40	0.24
	C. Gris Nez ...	29.71	?	NNW	4	0	30.14	+.54	52	50	- 4	NNW	6	c	6	0	-	57	52	-
	Paris	29.93	57	NSW	3	c	30.31	+.47	41	40	- 13	S	2	b	-	c	-	63	41	0.16
	Brest	30.06	55	W	5	c	30.31	+.56	55	50	- 2	NNW	5	c	5	c	-	59	50	-
	Lorient	30.13	57	NW	6	c	30.36	+.56	55	50	- 4	W	4	c	5	c	-	63	52	0.04
	Rochefort	30.10	60	NNW	5	0	30.30	+.34	52	50	- 12	NE	2	c	-	0	-	66	48	0.04
	Belfort	29.95	55	NSW	7	r	30.31	+.21	44	43	+ 5	W	3	m	-	r	-	66	39	0.12
	Lyons	30.13	56	SSW	1	0	30.36	+.18	48	47	+ 6	NNW	2	c	-	0	-	63	48	-
	Nice																-			
	Perpignan	30.17	58	E	0	b	30.32	+.17	56	55	+ 5	E	0	c	-	b	-	69	51	-
	Biarritz	30.15	64	N	3	0	30.30	+.29	56	54	- 7	ENE	2	m	3	0	-	70	54	0.43
Span. Pen.	Corunna																-			
	Lisbon	30.28	61	NNW	3	bc	30.32	+.07	61	58	- 3	N	4	b	-	bc	-	66	57	-
	Azores (P. Delgada)	30.37	60	NE	2	c	30.35	+.05	58	54	+ 1	NE	3	bc	3	c	-	68	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0.1 *hrs.*

WEATHER CHARTS

FOR Saturday, 11th November, 1899.

BAROMETER, WIND AND SEA.

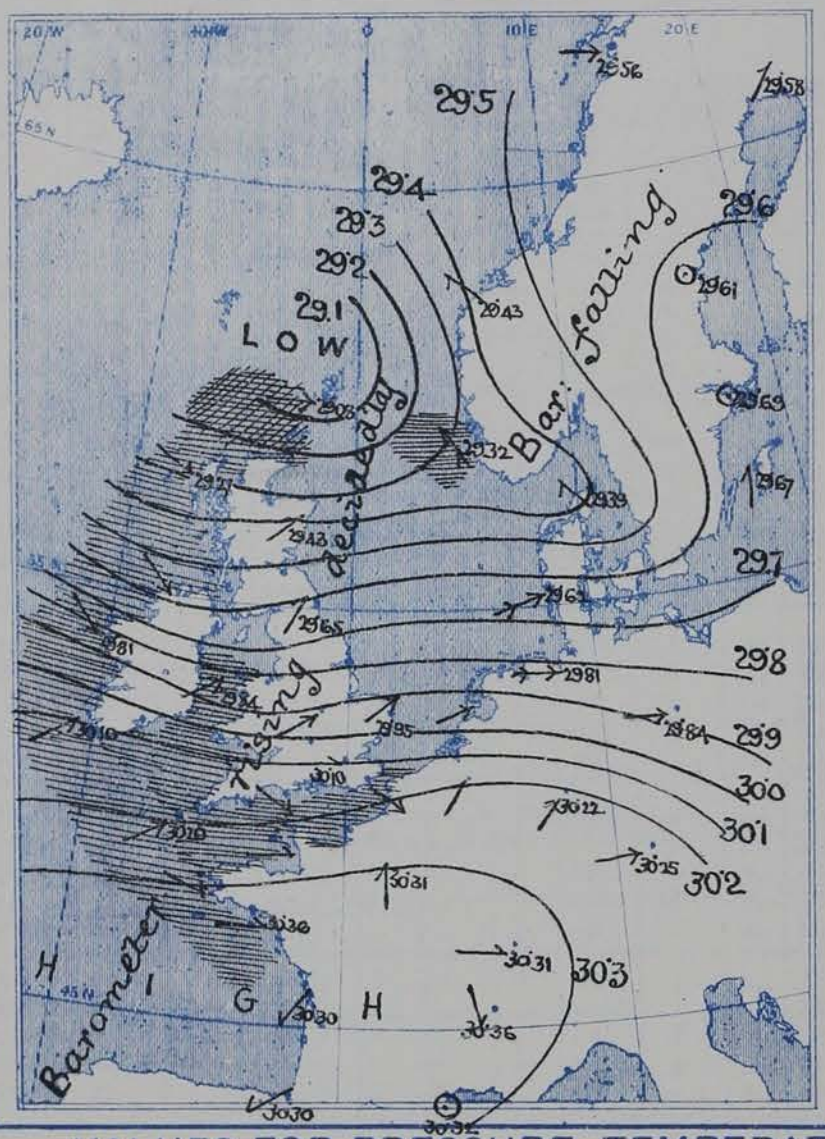
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

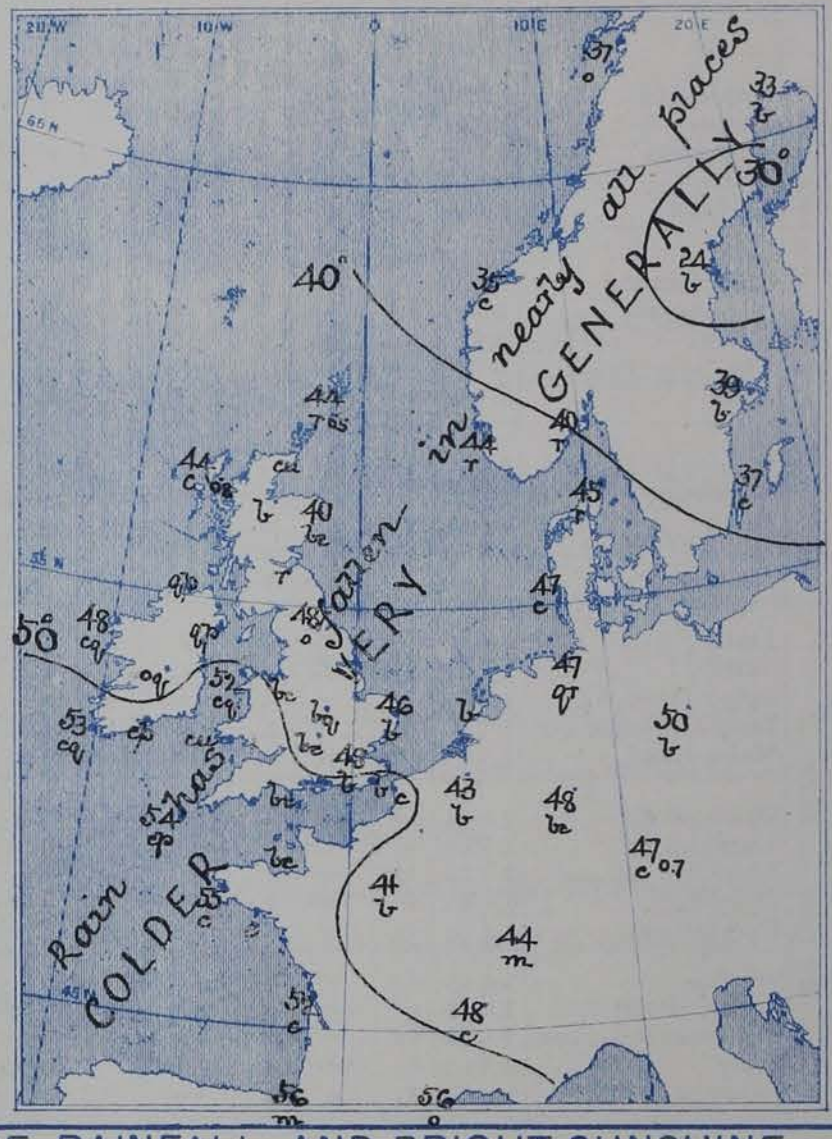


TEMPERATURE AND WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·06	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 over the greater part of the Bay of Biscay and France.
Lowest, 29·1 ins: and less, in a depression having its central area over the Shetlands.
Gradients still steep over our Islands.
Barometer rising generally.

TEMPERATURE

Highest, 56° to 52° in the west of France and on the southwest coasts of England.
Lowest, 24° at Haparanda, 33° to 37° at the other stations in the north of Scandinavia, 40° to 45° in Scotland.
During yesterday the thermometer rose to between 55° and 60° over England and to 61° at Jersey.

WIND

W. all over our Islands, and very strong and squally in force. SE. and E. in the west of Norway.
A W. gale has again been felt in many places.

WEATHER

Very changeable and unsettled everywhere – clear in some localities, squally and rainy in others; over France it is fair.
Rain has fallen everywhere but in Sweden, the amounts measured, however, in our Islands are not large except in the Shetlands and Hebrides.
Bright Sunshine recorded amounted to 5 hrs at Scilly and 3·5 hrs at Valencia. At our other stations it was slight.

SEA

Rough on all exposed parts of our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A gradually decreasing wind from the W.N.W. is now probable; weather showery to fair, and temporarily colder tonight

FORECASTS

For the 24 hours ending at NOON on 12th Nov.r 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	W.ly (SW to NW) winds, strong; squally, rain at times.	▼ 6 SCOTLAND WEST	W.ly (SW to NW) winds, strong; squally, rain at times.
▼ 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	The signals are still flying on all our 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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.66	44	39	ESE	2	be	4
Sumburgh Head	29.34	44	42	SE	6	r	6
Stornoway... ...	28.93	50	48	SE	5	o	5
Aberdeen	29.09	49	48	SE	9	o gr q	7
Shields	29.19	52	51	S	2	c	2
Malin Head ...	28.99	50	48	W	8	o	6
Blacksod Pt. ...	29.38	48	46	NW	9	c q p	7
Holyhead	29.39	53	50	W	6	c	5

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	29.73	52	47	WSW	8	c q	7 6 5 7 6
Scilly	29.80	56	53	WNW	8	c	
Jersey	29.79	59	54	WSW	7	o	
Portland Bill ...	29.63	57	53	WNW	8	o q	
Dungeness ...	29.54	59	57	W	9	c	
London (Westminster)	29.51	60	55	WSW	6	c p	
Yarmouth ...	29.40	58	56	SW	5	c	4 *
Rochefort ...	30.00	64	61	WSW	5	o	

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

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 12th November, 1899.

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 13.)	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	29.65	28	S	0	b	29.77	+ .19	18	18	— 15	S	0	f		b		34	?	—
	Hernösand	29.68	27	S	0	f	29.80	+ .09	32	30	+ 8	S	0	b		f		34	21	—
	Stockholm	29.56	41	S	0	r	29.60	— .07	43	42	+ 4	ENE	2	0		r		43	37	008
	Wisby	29.53	44	SE	6	bc	29.51	— .16	42	42	+ 5	ESE	2	r		bc		45	34	024
	Karlstad	29.41	41	N	4	0	29.62	+ .02	40	39	+ 1	N	2	0		0				0.16
	Bodö	29.70	34	E	2	0	29.85	+ .29	32	29	— 5	E	2	bc	1	0		37	28	0.16
	Christiansund ...	29.44	36	ESE	2	bc	29.78	+ .35	35	34	0	SE	1	b	4	bc		41	34	—
	Skudesnaes ...	29.51	46	NW	4	0	29.76	+ .44	39	38	— 5	NE	2	bc	3	ro		45	39	
	Færder (X'iania Fjord)	29.46	38	NNW	6	0	29.62	+ .12	41	40	+ 1	NNW	6	0	5	0		41	36	063
	The Scaw (Skagen)	29.49	45	N	1	bc	29.62	+ .23	41	40	— 4	NNW	2	r	0	bc		50	39	0.08
	Fanö	29.55	42	W	7	r	29.78	+ .16	45	41	— 2	W	6	cb		r		48	39	051
British Isles	Sumburgh Head ...	29.20	43	W	6	r	29.85	+ .77	47	44	+ 3	W	2	0	5	0.r		47	43	0.26
	Stornoway	29.57	45	NW	7	c	29.93	+ .66	46	45	+ 2	WSW	3	0	3	c	3.2	48	41	—
	Wick	29.44	46	NW	1	0	29.94	+ .66	40	38	— 2	NW	1	bc	3	0		50	38	0.05
	Nairn	29.60	41	WSW	4	bc	29.99	+ .66	46	42	+ 6	W	1	c	1	bc		46	38	0.06
	Aberdeen	29.64	39	WSW	3	c	30.03	+ .60	43	39	+ 3	W	3	bc	2	bcq, c	3.2	45	39	—
	Leith	29.76	40	WSW	4	0	30.10	+ .57	47	40	+ 2	W	1	bc		0		47	38	0.17
	Shields	29.78	40	WSW	4	b	30.10	+ .45	47	45	— 1	W	4	c	2	cp, b		49	38	0.08
	Spurn Head ...	29.87	46	W	7	bq	30.08	+ .26	47	45	0	WNW	7	bq	5	bq		54	45	0.02
	Loughborough ...	30.04	44	W	6	b	30.25	+ .31	47	43	— 1	W	3	c		bc, sp, c		56	41	0.04
	Malin Head ...	29.90	45	WNW	8	0	30.09	+ .51	50	49	+ 7	SW	3	0g	4	0g		50	40	0.05
	Blacksod Pt. ...	30.14	48	WNW	6	bcp	30.14	+ .33	54	53	+ 6	WSW	6	bc	5	b, hp, bc		54	48	0.01
	Donaghadee ...	29.98	41	WNW	5	b	30.19	+ .55	47	46	+ 3	SSW	3	c	4	rsq, bp		47	38	0.05
	Liverpool (Bidston)	30.04	49	WSW	9	bc	30.25	+ .41	48	45	— 2	WSW	6	0	6	bc		54	43	0.06
	Holyhead	30.10	47	WNW	8	c	30.29	+ .45	50	48	— 2	WSW	3	cm	3	c, ehp		52	43	0.06
	Parsonstown ...	30.18	44	W	1	c	30.29	+ .38	48	46	0	S	1	0		c	4.8	48	41	0.01
	Valencia	30.30	51	W	5	bc	30.33	+ .23	52	51	— 1	SSW	4	0	4	cq, bc	3.8	53	48	—
	Roche's Point ...	30.27	48	NW	3	b	30.37	+ .29	52	50	0	WSW	2	c	3	b		54	42	—
	Pembroke (St. Ann's Hd.)	30.24	53	NW	5	c	30.36	+ .34	53	52	— 1	W	4	cw	4	c	2.2	55	49	0.03
	Scilly	30.29	56	SW	4	bc	30.43	+ .23	54	52	0	W	4	c	4	b, bc	6.5	58	49	—
	Jersey (St. Aubin's) ...	30.30	57	W	5	opg	30.46	+ .16	54	49	— 1	WNW	3	c	3	c, opg		58	51	0.05
	Portland Bill ...	30.16	55	WNW	7	bq	30.38	+ .22	52	48	— 1	WNW	5	c	4	bc, bq		56	49	0.02
	Dungeness	30.08	55	W	7	bq	30.32	+ .13	47	44	— 5	WNW	4	bc	4	bc, bq		60	43	—
	London (Brixton) ...	30.10	51	WNW	5	bc	30.34	+ .24	45	43	— 3	SW	1	0		bc	3.2	57	42	0.04
	Oxford	30.19	46	W	3	0	30.33	+ .26	44	42	— 4	SW	2	b		cq, 0		55	42	—
	Yarmouth	29.95	46	WNW	6	cq	30.14	+ .19	44	41	— 2	W	4	c	3	bc		54	40	0.06
Germany.	Cuxhaven	29.72	44	WSW	6	0	29.88	+ .07	46	43	— 1	W	5	0		orqt		50	39	0.39
	Berlin																			
	Wiesbaden						30.26	+ .04	42	40	— 6	W	4	c				54	46	0.08
	Munich	30.34	40	W	3	b	30.29	+ .04	44	40	— 3	W	6	r		b		52	40	—
France & Netherlands.	The Helder ...	29.84	50	WNW	8	bc	30.01	+ .08	45	43	— 7	W	7	r	7	bc		54	45	0.24
	Brussels						30.28	+ .06	42	39	— 1	WSW	2	c		r		53	39	0.16
	C. Gris Nez ...	30.11	55	W	7	c	30.29	+ .15	49	45	— 3	NW	6	b	6	c		57	41	—
	Paris	29.93	48	SSW	2	b	30.40	+ .09	45	45	+ 4	SW	2	m		b		57	41	—
	Brest	30.39	55	WNW	3	b	30.47	+ .16	54	52	— 1	WNW	2	c	3	b		57	50	—
	Lorient	30.40	57	WNW	5	c	30.51	+ .15	50	50	— 5	S	0	m	5	c		57	50	—
	Rochefort	30.32	55	NE	3	bc	30.47	+ .17	51	49	— 1	SE	1	c		0, bc		64	48	—
	Belfort	30.36	45	WSW	2	b	30.39	+ .08	42	42	— 2	W	4	r		b		56	40	0.04
	Lyons	30.24	46	NW	1	b	30.51	+ .15	41	38	— 7	N	1	b		b		56	39	—
	Nice	30.17	56	S	0	b	30.21		52	48		E	2	b	1	b		66	50	—
	Perpignan	30.35	60	NW	3	0	30.43	+ .11	51	45	— 5	NW	2	bc		0		68	50	—
	Biarritz	30.37	57	E	2	0	30.43	+ .13	49	47	— 7	E	4	bc	4	0		61	48	—
Span. Pen.	Corunna	30.41	61	NE	4	b	30.43	+ .01	57	54	+ 5	NE	4	b	5	b		61		—
	Lisbon	30.29	59	NW	4	b	30.30	— .02	57	51	— 4	NNE	4	bc		b		68		—
	Azores (P. Delgada)	30.30	68	ESE	4	0	30.23	— .12	63	62	+ 5	E	3	c	4	0		68	?	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 recorded on the Tower of the Wesleyan Training College Westminster*

Bright Sunshine yesterday Southport 1·5 *hrs.*

WEATHER CHARTS

FOR Sunday, 12th November, 1899.

BAROMETER, WIND AND SEA.

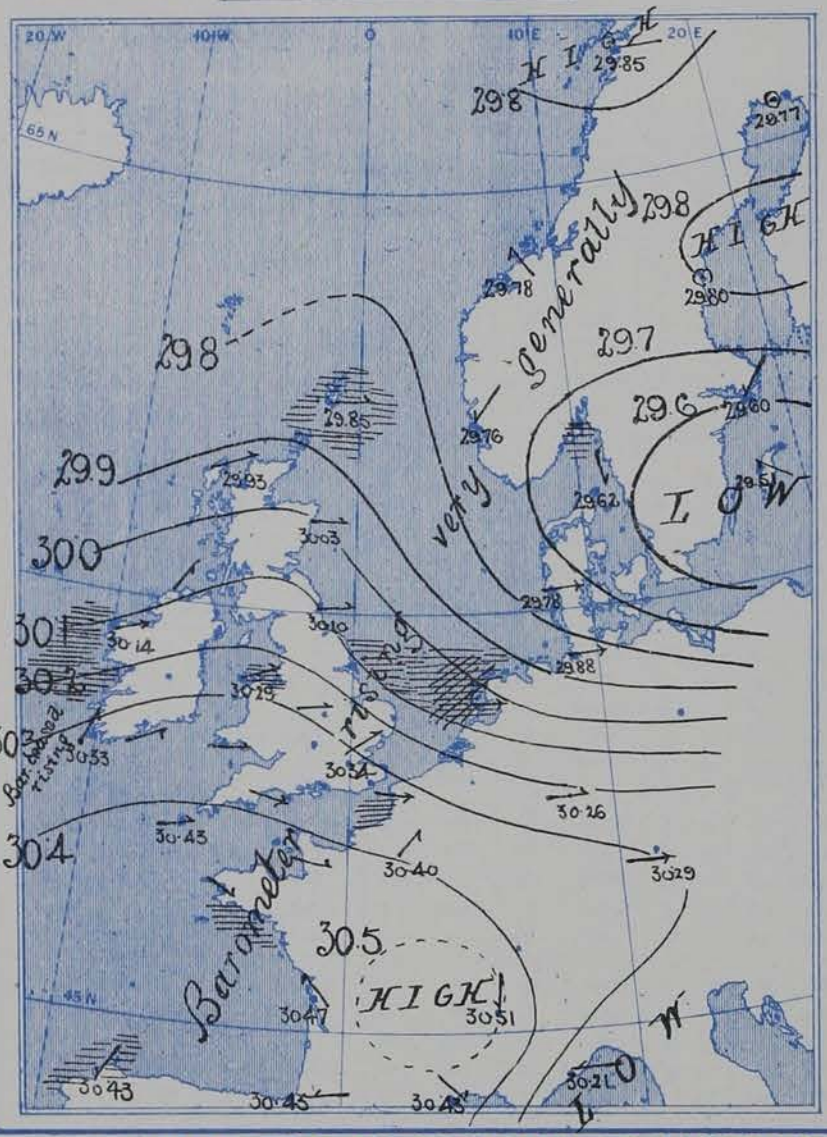
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓

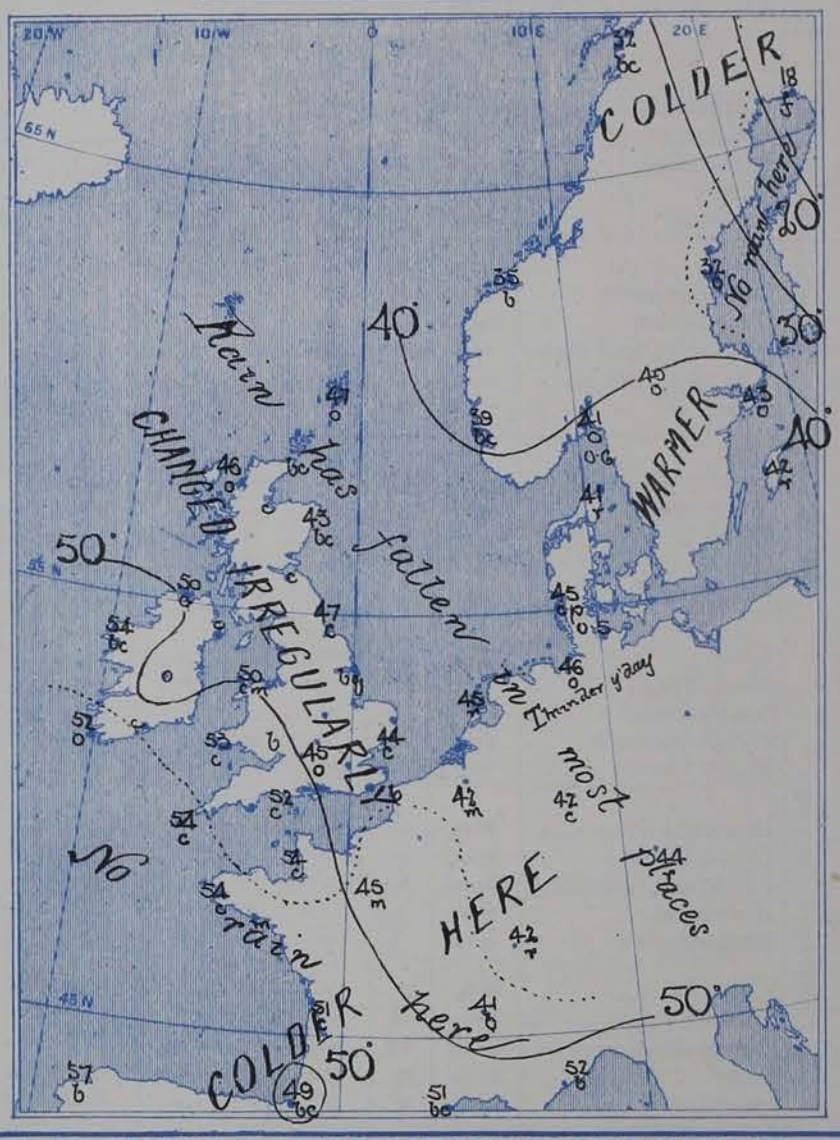


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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, 30·5 ins: to 30·4 ins: in an anticyclone lying over the Bay of Biscay, the west and south of France and the north of Spain. Another high pressure area just appearing over the west of Lapland.

Lowest, (1) 29·5 ins: to 29·6 ins: in a depression over the Baltic; (2) 29·9 ins: and lrs. off the extreme north of Scotland.

Gradients have become moderate in our Islands and northwestern Germany, but are slight over France and the Bay of Biscay.

Barometer rising over Western Europe generally.

TEMPERATURE

Highest, 54° at Scilly, Brest, and Blackrod Point, 52° at Nice and Valencia, 50° at Holyhead and Malin Hd.

Lowest, (1) 18° at Haparanda, 32° at Bodö and Hernösand; (2) 41° at Belfast, 42° at Wiesbaden and Brussels; (3) 40° to 43° in the northeast of Scotland.

It did not reach 50° in Scotland yesterday, but touched 58° in the southwest of England, 60° at Dungeness, 64° at Rochefort, 66° at Nice & 68° at Lisbon.

WIND

Light and anticyclonic over the Bay of Biscay and France, moderate from between W. and SW. in our Islands, strong W. over the southern parts of the North Sea; (2) Light E. and Calm over northern Europe.

WEATHER

(1) Finer than of late all over our Islands and France, but still not settled as a whole; (2) Unsettled and rainy over the Baltic and Germany.

A little rain has fallen in most parts of our Islands, more in the south of Sweden, in Denmark, and the Netherlands; hail has fallen at Blackrod.

SEA

Still rather rough in the extreme west and north, but is going down generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 13TH Nov. 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH		6 SCOTLAND WEST	
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST	NONE ISSUED.	9 IRELAND NORTH	NONE ISSUED.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.43	45	42	NW	7	r	5
Sumburgh Head	29.23	43	40	W	6	o	7
Stornoway... ...	29.44	48	41	NW	7	c	7
Aberdeen	29.51	43	39	WSW	4	bcq	3
Shields	29.68	44	42	WSW	4	cp	2
Malin Head ...	29.75	45	41	NW	8	bc	7
Blacksod Pt.. ...	30.04	49	43	NW	6	b	6
Holyhead	30.00	48	43	W	8	cpbq	6
Valencia	30.22	52	47	WNW	5	cq	6
Scilly	30.24	56	53	W	5	b	5
Jersey	30.2*	57	51	WSW	5	c	4
Portland Bill ...	30.14	56	51	WNW	7	bcq	6
Dungeness ...	30.05	57	55	W	8	bc	6
London (Westminster)	30.04	57	51	WSW	6	bc	*
Yarmouth ...	29.87	49	46	WSW	7	r	5
Rochefort ...	30.36	61	56	SW	2	o	*

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

Weather in morning still fine over the Mediterranean, fair over southeastern, southern, and southwestern Europe, and finer than of late, over the British Islands and northern Europe. Slight rain later in many parts of our Islands, and considerable amounts in the south of Sweden, hail in the northwest of Ireland, thunder at Cuxhaven.

Temperature fallen fast in France and in parts of Sweden, slightly over the British Islands, risen over Germany. Morning readings highest 69° at Algiers, 68° at Malta and Barcelona, 58° at Lyghorn, 56° at Biarritz, 55° at Brest, and 55° to 52° over the English Channel and southwest of Ireland; 54° at Prague, 50° at Berlin and Swinemunde. Lowest (1) 32° to 36° in the extreme north of Europe; (2) 35° at Moscow and Kieff, also at Christiansund; (3) 40° at Aberdeen and Nairn. Not touching 50° in Scotland later, but rising to 57° in London, 60° at Dungeness, 57° at Paris, and 66° at Nice.

Wind (1) Light and variable over the eastern and southern parts of Europe; (2) SW[3] to NW[3], very strong over the British Islands and the North Sea, SE[3] in the west of Norway, (3) NE[3], light over Spain. Little change later.

Barometer highest (1) Still exceeding 30·0 ins: over the Central and eastern parts of Russia; (2) 30·3 ins: and more over Spain, the Bay of Biscay and France. Lowest 29·1 ins: and less, in a depression the central area of which lay near the Shetland Isles; Gradients over our Islands and the North Sea steep, but decreasing. Pressure increasing over the British Islands and North Sea all day; depression in north moving northeastwards.

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 " " £: 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday, 13th November, **1899.**

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	29.94	20	SW	0	b	30.06	+.29	24	23	+ 6	N	2	bc	•	b	•	28	16	–
	Hernosand	30.02	28	SW	0	b	30.14	+.34	24	22	– 8	SW	0	b	•	b	•	33	23	–
	Stockholm	29.97	35	NE	2	b	30.13	+.53	32	31	– 11	NW	2	b	•	b	•	43	32	0.16
	Wisby	29.88	42	E	4	bc	30.12	+.61	39	38	– 3	NNW	4	b	•	bc	•	45	34	0.08
	Karlstad	30.05	36	N	2	c	30.15	+.53	37	36	– 3	NNW	2	o	•	c	•	•	•	–
	Bodö	30.02	32	SW	0	b	29.97	+.12	30	27	– 2	E	4	b	1	b	•	34	27	–
	Christiansund ...	29.98	37	ESE	1	c	29.88	+.10	40	37	+ 5	E	5	r	6	c	•	40	34	—
	Skudesnaes ...	30.08	45	SW	0	o	30.06	+.30	47	46	+ 8	SSE	6	o	4	o	•	49	39	•
	Færder (X'iania Fjord)	30.05	42	N	4	o	30.10	+.48	41	40	0	NNW	1	o	3	o	•	43	37	–
	The Scaw (Skagen)	30.04	44	NNW	1	o	30.15	+.53	42	41	+ 1	NNW	1	o	o	o	•	45	41	–
	Fanö	30.14	40	N	1	b	30.26	+.48	45	44	0	SW	1	c	•	b	•	45	39	0.28
British Islands	Sumburgh Head ...	29.86	48	SSW	2	o	29.83	–.02	50	50	+ 3	W	4	o	5	o	•	52	45	0.18
	Stornoway	29.83	53	SW	5	o	29.83	–.10	50	49	+ 4	WSW	3	o	3	o	0.0	53	44	0.10
	Wick	29.89	52	WNW	3	c	29.91	–.03	50	49	+ 10	W	1	or	3	c	•	56	39	0.05
	Nairn	29.94	54	W	1	c	29.94	–.05	54	52	+ 8	W	1	c	1	c	•	55	44	0.03
	Aberdeen	30.04	48	SSW	3	o	29.99	–.04	52	50	+ 9	SW	3	o g	2	o.p	0.9	52	43	0.01
	Leith	29.98	47	SW	3	c	30.07	–.03	53	50	+ 6	SW	3	o	•	c	•	54	45	–
	Shields	30.18	50	SW	0	o	30.15	+.05	53	50	+ 6	SW	2	o	2	o.r	•	53	46	0.02
	Spurn Head ...	30.27	49	WNW	3	c	30.25	+.17	49	47	+ 2	SW	3	cw	2	c	•	54	46	–
	Loughborough ...	30.33	49	W	1	c	30.34	+.09	49	47	+ 2	WSW	4	o	•	cq cm.o	•	51	46	–
	Malin Head ...	30.05	53	SW	5	o g	30.03	–.06	51	50	+ 1	SW	5	o g	3	o.o g	•	53	50	0.10
	Blacksod Pt. ...	30.10	55	SW	6	c	30.02	–.12	54	52	0	SW	6	c g	5	bc.c	•	56	52	–
	Donaghadee ...	30.18	51	SW	2	c	30.18	±.01	51	49	+ 4	SSW	3	o	3	c g	•	52	45	–
	Liverpool (Bidston)	30.31	49	SW	3	o	30.29	+.04	50	47	+ 2	SSW	3	bc	2	c.c	•	53	48	–
	Holyhead	30.29	53	WSW	3	bc	30.26	–.03	53	52	+ 3	WSW	3	c	2	bc	•	54	48	–
	Parsonstown ...	30.26	51	SW	1	o	30.20	–.09	49	47	+ 1	SW	1	o	•	o	0.6	57	47	–
	Valencia	30.30	55	S	4	o	30.19	–.14	52	49	0	S	4	bc	4	c.o	2.5	57	52	–
	Roche's Point ...	30.34	53	WSW	3	c	30.26	–.11	54	52	+ 2	SW	4	c	4	c	•	55	?41	–
	Pembroke (St. Ann's Hd.)	30.38	55	W	4	c	30.34	–.02	54	53	+ 1	WSW	4	c	3	c	2.5	55	53	–
	Scilly	30.42	55	SW	3	o	30.37	–.06	53	51	– 1	SSW	3	cw	3	c.o	2.3	58	50	0.02
	Jersey (St. Aubin's) ...	30.49	54	WNW	3	c	30.47	+.01	52	50	– 2	SW	3	b m	3	c.g mp	•	60	46	0.02
	Portland Bill ...	30.44	55	WNW	3	c	30.43	+.05	53	52	+ 1	WNW	3	o	3	c	•	55	50	–
	Dungeness	30.37	50	NW	2	c	30.41	+.09	50	49	+ 3	WNW	2	bc w	2	c	•	55	44	0.01
	London (Brixton) ...	30.38	48	SW	1	bc	30.41	+.07	44	44	– 1	SW	2	c	•	bc.ou, b	0.5	53	41	–
	Oxford	30.40	49	SW	2	o	30.39	+.06	46	45	+ 2	SW	1	o m	•	c.o	•	52	44	–
	Yarmouth	30.25	47	WNW	3	bc	30.31	+.17	46	45	+ 2	WSW	3	b c m	3	bc	•	52	42	–
France & Netherlands. Germany.	Cuxhaven	29.95	45	N	1	o	30.28	+.40	46	44	0	NW	1	o	•	o	•	46	41	0.24
	Berlin	30.05	42	NW	4	o	30.27		42	41		W	3	c	•	o	•	46	41	0.04
	Wiesbaden ...	•	•	•	•	•	30.45	+.19	46	44	+ 4	NW	2	c	•	•	•	48	42	0.04
	Munich	30.34	41	W	6	c	30.47	+.18	40	39	– 4	W	6	r	•	c	•	45	37	0.32
	The Helder ...	30.22	51	NW	4	o	30.31	+.30	51	50	+ 6	W	1	c	•	o	•	52	45	0.12
	Brussels	•	•	•	•	•	30.45	+.17	46	44	+ 4	SSW	3	f c	•	o	•	49	41	—
	C. Gris Nez ...	30.36	52	NW	4	be	30.42	+.13	53	52	+ 4	W	4	c	4	bc	•	54	49	–
	Paris	30.45	50	W	2	c	30.50	+.10	36	36	– 9	S	1	f c	•	c	•	57	36	–
	Brest	30.49	55	WNW	1	c	30.43	–.04	48	48	– 6	E	1	m	1	c	•	59	45	–
	Lorient	30.51	55	NW	1	bc	30.47	?	48	48	– 2	E	1	m	2	bc	•	63	48	–
	Rochefort	30.46	54	NNE	1	bc	30.39	–.08	46	45	– 5	NE	3	bc	•	bc	•	61	43	–
	Belfort	30.43	45	W	3	o	30.51	+.12	36	36	– 6	SW	0	o	•	o	•	47	36	0.16
	Lyons	30.51	48	NW	1	c	30.52	+.01	44	43	+ 3	N	2	f g	•	o	•	56	41	–
	Nice	30.15	55	E	4	b	30.21	.00	51	45	– 1	E	2	b	1	c	•	66	50	–
	Perpignan	30.39	54	NW	3	b	30.33	–.10	53	45	+ 2	NW	3	b	•	b	•	64	50	–
	Biarritz	30.41	52	NNE	3	b	30.37	–.06	42	40	– 7	E	2	b	2	b	•	59	41	–
Span. Pen.	Corunna																			
	Lisbon	30.25	62	NNE	3	o	30.23	–.07	58	56	+ 1	NNE	4	o	•	o	•	66	57	–
	Azores (P. Delgada)	30.13	64	SSW	5	o	30.15	–.08	61	60	– 2	W	2	r	3	o	•	70	59	0.28

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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0.0 hrs.

WEATHER CHARTS

FOR Monday, 13th November, 1899.

BAROMETER, WIND AND SEA.

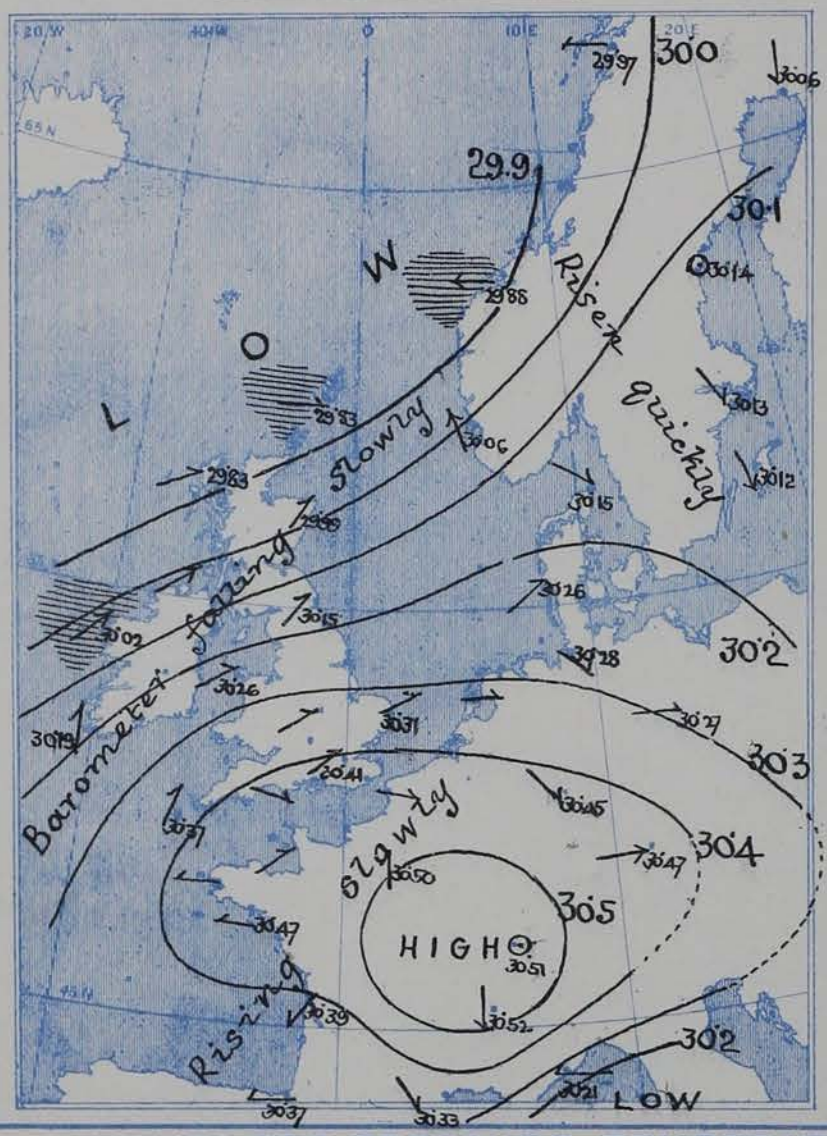
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓

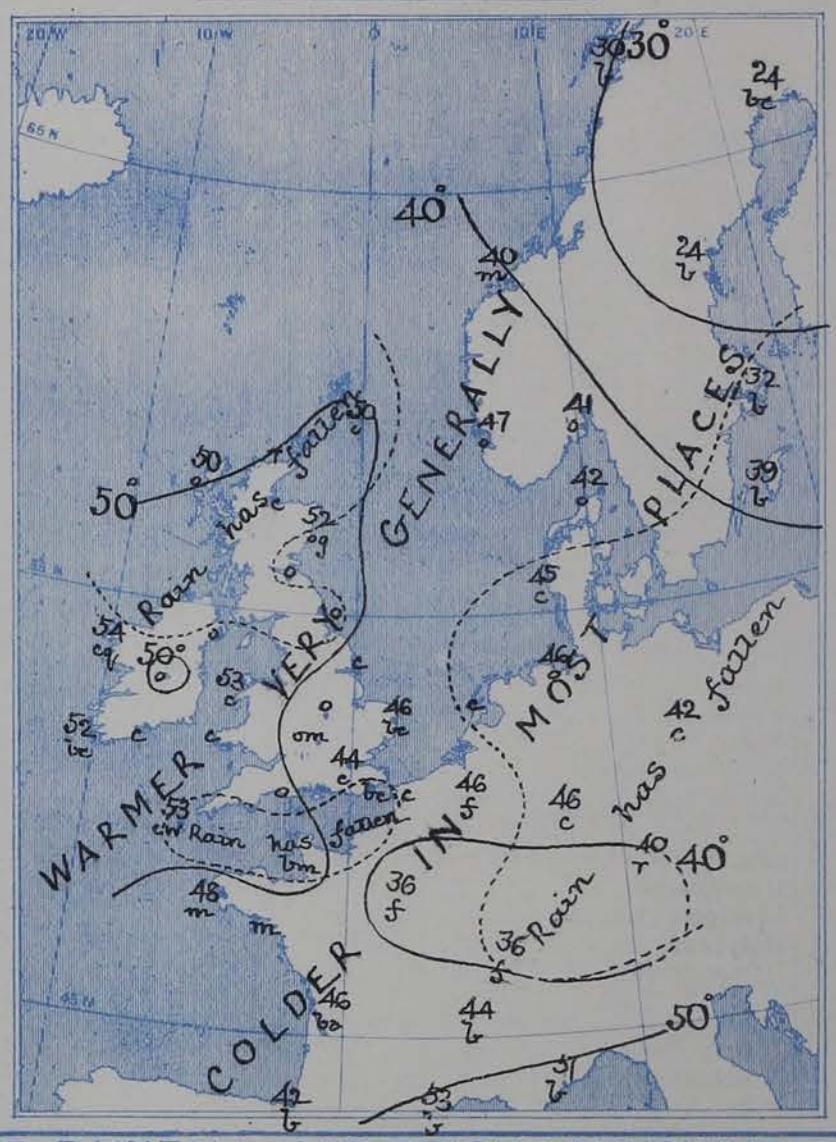


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	60	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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, 30·5 ins: and more to 30·4 ins: over France and the English Channel.
Lowest, 29·9 ins: and less, over the north of Scotland and the west of Norway.
Gradients slight over France, moderate over Ireland and Scotland.
Barometer falling markedly in Ireland, rising over the North Sea.

TEMPERATURE

Highest, 54° at Rochs Point and Pembroke, 53° to 50° on our southwestern and southern coasts generally; 54° at Nairn.
Lowest, (1) 24° in the northern part of Sweden, 30° at Bodö, (2) 36° at Paris and Belfort, 42° at Berlin.
The maxima recorded yesterday were above 50° in all parts of our Islands; at Jersey it was 60°, at Lorient 63°, and at Nice 66°

WIND

SW^{ly} over our Islands as a whole, light over the southeastern regions, strong in the far west. In Norway the wind is SE^{ly} to E^{ly}, in France very light and anticyclonic.

WEATHER

Fair as a whole, but cloudy in our Islands, foggy over France; in South Germany rain is reported.
The amount of rainfall measured this morning (chiefly at our northern stations and in Germany) was slight.
Bright Sunshine recorded yesterday exceeded 6 hrs on our southeast coasts, and was about 2½ hours on our western coasts; elsewhere it was slight and at Stornoway there was none.

SEA

Rough to moderate in the extreme north and west, slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The southwesterly wind appears likely to increase in force at the Irish and Scotch stations shortly, with rain. The southeastern districts are not threatened at present.

FORECASTS

For the 24 hours ending at NOON on 14th NOVEMBER, 1899.

DISTRICTS.		FORECASTS.
↑ 0	SCOTLAND NORTH	SW^{ly} and S^{ly} winds, increasing in force; milder, rainy.
↑ 1	SCOTLAND EAST	
2	ENGLAND N.E.	SW^{ly} winds, light; fine, milder, perhaps rain tonight or in morning.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
↑ 6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	S^{ly} winds, freshening; rain at times.
8	ENGLAND S.W.	
↑ 9	IRELAND NORTH	S^{ly} winds, strong and increasing; squally, rainy.
↑ 10	IRELAND SOUTH	

WARNINGS

At 7·0 pm yesterday 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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29·96	49	45	NW	4	c	3
Sumburgh Head	29·92	48	46	W	0	0	5
Stornoway	29·87	53	52	NSW	3	0	3
Aberdeen							
Shields							
Malin Head ...	30·08	53	51	SW	4	0	4
Blacksod Pt. ...	30·11	56	53	SW	6	bc	5
Holyhead							

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia							
Scilly	30·42	57	55	WSW	4	c	4
Jersey	30·48	58	52	W	4	bc	3
Portland Bill ...							
Dungeness ...	30·33	54	51	NW	4	c	3
London (Westminster)							*
Yarmouth ...	30·22	51	48	NW	4	c	3
Rochefort ...							*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 5TH TO THE 11TH NOV: 1899.

During the first half of this week pressure was highest continuously over the southeastern and Eastern parts of Europe, and the zone of high pressure extended thence (with slighter intensity) in a westerly direction to the Mediterranean and the south of France. The readings in those regions were comparatively uniform, while in the west and north of our Islands and the west of Norway depression after depression, moving in a northeasterly direction continued to arrive in rapid succession, while their shallow secondaries passed over the southeastern and southern parts of England. The United Kingdom was, therefore, the scene of gales and strong winds, mild weather, frequent and continuous rains; which sometimes extended to various parts of France and North Germany. (The south of France seems to have been subject to heavy rain locally on the 5th and 6th).

On Thursday a new anticyclone began to spread over the Spanish Peninsula and thence to the south and west of France. Soon after the depressions which reached our western shores decreased in intensity, and by the close of the week there was a considerable falling off in the amount of rain which fell, and a decrease of the temperature over western Europe

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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.

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

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 14th November, 1899.

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	30·18	26	N	2	s	30·14	+ ·08	29	28	+ 5	SW	2	o	*	f	*	29	19	0·24
	Hernösand	30·22	28	Z	o	o	30·14	·00	34	33	+ 10	S	2	o	*	o	*	34	21	—
	Stockholm	30·22	34	Z	o	o	30·21	+ ·08	35	35	+ 3	SE	2	b	*	o	*	37	32	—
	Wisby	30·22	35	S	4	c	30·21	+ ·09	39	38	0	SSE	4	o	*	c	*	39	32	—
	Karlstad	30·13	41	Z	o	r	30·09	— ·06	44	44	+ 7	SE	2	f	*	r	*	*	*	—
	Bodö	29·89	36	E	4	o	29·65	— ·32	39	35	+ 9	E	3	r	1	o	*	39	27	—
	Christiansund ...	29·91	46	ESE	4	c	29·78	— ·10	51	47	+ 11	WSW	2	o	1	c	*	51	39	0·08
	Skudesnaes ...	30·06	50	SSE	4	o	30·02	— ·04	50	48	+ 3	SSW	4	o	3	o	*	50	39	*
	Færder (X'iania Fjord)	30·10	41	Z	o	f	30·06	— ·04	41	41	0	Z	o	f	2	f	*	41	37	0·08
	The Scaw (Skagen)	30·15	49	W	1	f	30·13	— ·02	48	48	+ 6	WSW	1	m	o	f	*	50	41	—
	Fanö	30·24	50	SW	2	o	30·25	— ·01	49	48	+ 4	SW	2	c	*	o	*	50	45	—
British Islands.	Sumburgh Head ...	29·79	50	SW	3	o	29·86	+ ·03	44	43	— 6	N	3	r	4	o	*	50	42	0·14
	Stornoway	29·74	52	WSW	1	r	29·97	+ ·14	42	41	— 8	N	3	r	3	o.r	0·0	54	39	1·03
	Wick	29·83	50	NW	2	c	29·9:	·00	45	44	— 5	NNW	4	r	2	c	*	53	44	0·03
	Nairn	29·88	52	SSW	3	c	29·90	— ·04	47	45	— 7	NW	1	r	1	c	*	55	45	0·03
	Aberdeen	29·98	50	SSW	3	c	29·92	— ·07	50	48	— 2	SSW	3	bc	3	og, c	0·0	54	48	—
	Leith	30·04	51	SW	3	bc	29·92	— ·15	52	49	— 1	S	4	o	*	bc	*	56	49	—
	Shields	30·14	52	S	2	o	30·01	— ·14	49	47	— 4	SSW	3	o	2	o	*	54	47	—
	Spurn Head ...	30·25	50	SSW	3	c	30·14	— ·11	47	46	— 2	S	4	bc	2	c	*	54	45	—
	Loughborough ...	30·29	49	SSW	2	c	30·17	— ·17	44	43	— 5	S	2	bmw	*	e, bc, b	*	55	43	—
	Malin Head ...	29·90	52	SSW	5	cg	29·82	— ·21	51	51	0	NNW	7	r	6	o. cg. r	*	52	51	0·20
	Blacksod Pt. ...	29·89	54	SSW	7	cq	29·92	— ·10	47	44	— 7	NNE	9	c	6	cg	*	55	44	0·96
	Donaghadee ...	30·08	52	SSW	4	bc	29·89	— ·29	54	53	+ 3	SSW	3	c	3	bc. v	*	54	49	—
	Liverpool (Bidston)	30·22	52	S	2	bc	30·05	— ·24	48	47	— 2	ESE	4	o	3	cm. bc	*	54	48	—
	Holyhead	30·16	53	SW	3	c	29·96	— ·30	53	51	0	S	6	cmp	4	c	*	55	51	0·01
	Parsonstown ...	30·03	53	SE	2	o	29·87	— ·33	52	50	+ 3	S	1	o	*	o	0·6	55	48	0·03
	Valencia	29·96	55	SSE	5	og	29·85	— ·34	49	47	— 3	NNW	8	om	6	op. og	1·3	57	48	0·07
	Roche's Point ...	30·08	54	SSW	4	c	29·85	— ·41	49	46	— 5	SW	5	c	4	c	*	55	44	005
	Pembroke (St. Ann's Hd.)	30·24	54	SW	5	c	30·01	— ·33	56	53	+ 2	SW	6	ogc	5	c	1·7	56	53	—
	Scilly	30·19	55	S	5	c	30·02	— ·35	56	55	+ 3	S	5	omp	6	c	6·1	58	51	—
	Jersey (St. Aubin's) ...	30·37	52	SE	3	b	30·23	— ·24	48	46	— 4	SE	4	cm	3	c. b	*	59	47	—
	Portland Bill ...	30·33	53	SSW	3	bc	30·20	— ·23	51	48	— 2	SSW	3	c	4	o. bc	*	56	49	—
	Dungeness	30·36	54	WSW	2	c	30·26	— ·15	49	48	— 1	SSW	5	c	4	c	*	55	48	—
	London (Brixton) ...	30·36	50	SSW	1	b	30·24	— ·17	48	46	+ 4	SSW	1	c	*	bc. c	0·1	55	44	—
	Oxford	30·31	49	S	3	bc	30·20	— ·19	46	45	0	SSE	2	o	*	bc	*	54	44	—
	Yarmouth	30·30	48	WSW	2	bcf	30·23	— ·08	49	48	+ 3	S	3	bcm	3	bc. bcf	*	54	44	—
France & Netherlands. Germany.	Cuxhaven	30·28	48	SW	1	o	30·27	— ·01	47	46	+ 1	W	1	m	*	o	*	50	45	—
	Berlin	30·36	45	W	2	o	30·32	+ ·05	47	46	+ 5	Z	o	r	*	o	*	48	42	—
	Wiesbaden	*	*	*	*	*	30·43	— ·02	41	39	— 5	W	2	f	*	*	*	48	37	—
	Munich	30·49	40	W	3	bc	30·45	— ·02	33	32	— 7	SE	2	b	*	bc	*	45	32	0·04
	The Helder ...																*			
	Brussels	*	*	*	*	*	30·37	— ·08	41	41	— 5	SSE	2	f	*	f	*	53	40	—
	C. Gris Nez ...	30·40	53	SW	1	c	30·26	— ·16	40	38	— 13	SSE	3	b	3	c	*	55	37	—
	Paris	30·46	43	ESE	1	f	30·36	— ·14	37	37	+ 1	SE	1	o	*	f	*	49	36	—
	Brest	30·28	54	SE	3	b	30·15	— ·25	55	53	+ 7	SSE	3	c	3	b	*	57	48	—
	Lorient	30·30	52	ESE	2	bc	30·21	— ·26	48	48	0	E	3	m	2	bc	*	63	46	—
	Rochefort	30·28	50	E	3	bc	30·21	— ·18	42	41	— 4	E	2	b	*	bc	*	60	39	—
	Belfort	30·45	41	E	2	m	30·40	— ·11	35	35	— 1	ENE	3	f	*	m	*	57	33	—
	Lyons	30·44	44	SSW	1	b	30·40	— ·12	34	34	— 10	NE	1	b	*	b	*	52	34	—
	Nice	30·30	58	ENE	2	b	30·32	+ ·11	49	44	— 2	NE	6	bc	2	b	*	64	46	—
	Perpignan	30·33	50	Z	o	b	30·32	— ·01	39	37	— 14	SW	1	b	*	b	*	67	39	—
	Biarritz	30·24	55	ENE	3	b	30·11	— ·26	52	46	+ 10	S	3	b	2	b	*	61	42	—
Span. Pen.	Corunna																*			
	Lisbon	30·17	64	ENE	2	o	30·17	— ·06	58	57	0	NNE	4	o	5	o	*	66	57	—
	Azores (P. Delgada)	30·29	60	NE	4	o	30·32	+ ·17	60	54	— 1	NE	4	bc	3	o	*	66	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·2 *hrs.*

WEATHER CHARTS

FOR Tuesday, 14th November, 1899.

BAROMETER, WIND AND SEA.

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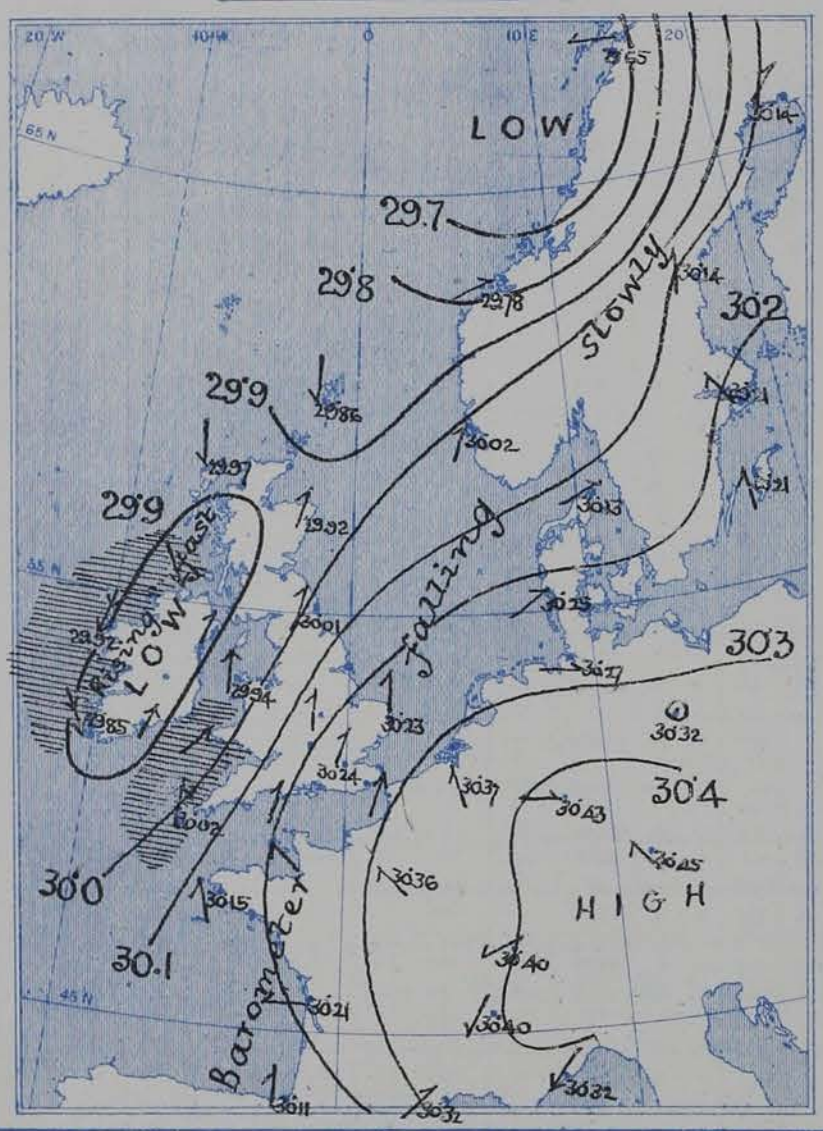
Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ➤⟶ : *Force 1 to 4* ⟶ : }
SEA.—Rough ▒ : *High* ▓



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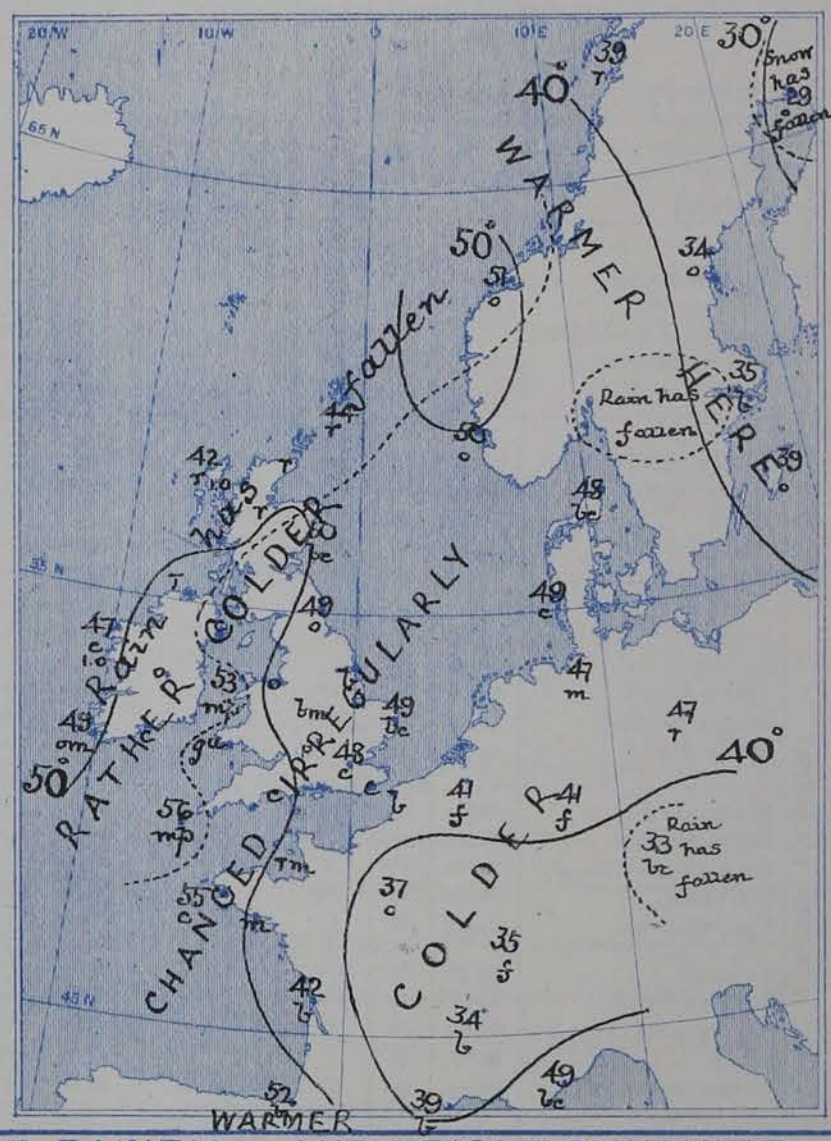

VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE *IN THE MONTH OF NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
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Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and upwards over S. Germany and the E. of France, 30.2 ins. and upwards in an anticyclone extending from central Europe over the whole of France, the Netherlands, Denmark and the S.E. of England.
Lowest 29.7 ins. and less in a depression lying off the N.W. parts of the Norwegian coasts; 29.9 ins. and less in an elongated disturbance over Ireland and Scotland.
Gradients moderate or slight generally, but rather steep over the N.W. parts of Scandinavia.
Barometer falling in most places, but rising again briskly on our own extreme W. & N.W. coasts.

TEMPERATURE

Highest 56° at Pembroke and Scilly, 54° at Donaghadee, 53° at Holyhead, & 52° at Leith, Parsonstown and Lowest (1) 29° at Haparanda, and 34° at Hernösand; (2) 33° at Munich, and 34° at Lyons; Biarritz lowest in our Islands 42° at Stornoway, and 44° at Loughborough.
During yesterday the thermometer rose to 55° or slightly above it in many parts of the United Kingdom, and to 59° at Jersey.

WIND

S. over the greater part of our Islands, and strong in force in the Irish Sea and St. George's Channel; moderate from the N.W. in the north of Scotland, and blowing a gale from the same quarter Light from the E.N.E. or S.E. over the greater part of France and South Germany, S.W. in the west of Ireland. on the eastern shores of the North Sea, but S.E. in the south of Sweden.

WEATHER

Fair or fine over England, France and the Netherlands as a whole, but showery at some of our W. stations, and foggy at Brussels, Wiesbaden and Belfort.
Dull in most other parts of our area, with rain on our own extreme N. and N.W. coasts as well as Rain fell yesterday in Ireland and the W. and N. of Scotland, the largest amount at Bodo & Berlin, being 1.0 inch at Stornoway and Blacksod Point. Solar and lunar halos were seen yesterday at Oxford, and lunar halos in London and at Jersey.

SEA

Rough on our S.W. and extreme W. coasts, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now rising briskly in the extreme W. and the N. gales now prevailing there seem likely to spread shortly to most other parts of our W. and N. coasts, with squally and colder weather.

FORECASTS

For the 24 hours ending at NOON on 15TH NOVEMBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
↑ 0 SCOTLAND NORTH	N. winds, increasing in strength, squally, colder with sleet or snow in places.	↑ 6 SCOTLAND WEST	Same as No. 0 and 1.
↑ 1 SCOTLAND EAST		↑ 7 ENGLAND N.W.	S. winds, shifting later to the N.W. and increasing in strength; squally, some rain, colder.
2 ENGLAND N.E.	Same as No. 5.	↑ 8 ENGLAND S.W.	
3 ENGLAND EAST		↑ 9 IRELAND NORTH	N. gales and strong winds; squally, some cold rain or sleet.
4 MIDLAND COUNTIES		↑ 10 IRELAND SOUTH	
5 ENGLAND SOUTH	S. winds, freshening; fair at first, some rain later.	WARNINGS	At 7.15 pm yesterday to districts 7 and 8. The signals are also flying in districts 0, 1, 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.

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·07	50	49	SSW	4	o	3
Sumburgh Head	29·85	50	50	S	3	o	5
Stornoway... ...	29·76	54	52	WSW	5	o	5
Aberdeen	30·00	52	49	S	2	og	2
Shields	30·16	53	50	SW	2	o	2
Malin Head ...	29·95	52	49	SW	5	o	4
Blacksod Pt.. ...	29·95	54	52	SSW	7	c	6
Holyhead	30·21	55	52	WSW	3	c	2
Valencia	30·07	54	51	SSE	5	op	5
Scilly	30·28	56	54	S	4	c	5
Jersey	30·45	56	52	SSE	3	c	3
Portland Bill ...	30·39	54	52	WSW	2	o	3
Dungeness ...	30·38	55	53	W	2	c	2
London (Westminster)	30·37	56	51	WSW	3	cw	*
Yarmouth ...	30·32	51	49	W	3	bc	3
Rochefort ...	30·36	60	55	E	2	bc	*

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

Weather in morning cloudy or dull over NW^rn, N^rn and central Europe as a whole, with rain at Wick and Christiansund, and also at some of the Russian stations; snow falling at Archangel. Fine in Sweden, and also in most of the S^rn countries; foggy over Belgium and central France. Rain falling later in Ireland and the W. and N. of Scotland, heavily at Stornoway and Blacksod Pt. Solar and lunar halos seen in the S. of England.

Temperature risen in our Islands and the E^rn shores of the North Sea, but fallen elsewhere. Morning readings highest 67° at Algiers, 66° at San Fernando, and 64° at Malta; above 60° at the Mediterranean stations generally, and above 50° in most parts of the United Kingdom. Lowest 24° at Haparanda, Hernosand and Ulenborg, and 30° at Archangel and Kuopio; exceeding 60° in the W. and S. of France, and reaching 67° at Perpignan.

Wind light to fresh from the SW^wd in our Islands, moderate to strong from the SE^wd or E^ly in the west of Norway. Light from the E^ly over the Spanish peninsula and the west and south of France. N^ly (NE to NW) over Sweden and western and northern Russia, calm in the south of Russia, W^ly or NW^ly over Germany and Austria; variable in Italy. Subsequently increasing to a moderate gale from the S^wd or SW^wd on our extreme west and northwest coasts; no important change occurring elsewhere.

Barometer highest 30.5ins. and upwards over central France, 30.2ins. and upwards in an anticyclone covering the whole of Spain, France, central Europe, and extending over England and the SE. of Ireland. Lowest 29.9ins. and less in a large depression lying to the N^wd of our Islands, and also in another disturbance over W^rn Russia. New depression beginning to approach our W^rn coast later, and barometer falling rather decidedly in 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.

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 15th November, 1899.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Baron. 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	29.80	32	SE	6	S	29.64	-.50	34	34	+ 5	SE	2	S	*	S	*	34	25	0.51
	Hernösand	29.79	37	S	4	f	29.88	-.26	37	34	+ 3	NW	2	b	*	f	*	39	23	0.16
	Stockholm	30.03	44	S	2	o	29.95	-.26	39	37	+ 4	NW	4	b	*	o	*	45	32	0.08
	Wisby	30.13	44	S	4	c	29.93	-.28	44	42	+ 5	N	8	c	*	c	*	45	34	0.08
	Karlstad	29.99	46	WSW	2	b	30.13	+.04	36	34	- 8	WNW	1	b	*	r.b	*	*	*	-
	Bodö	29.76	42	ESE	2	bc	29.86	+.21	35	34	- 4	S	0	S	1	bc	*	43	34	0.28
	Christiansund ...	29.97	40	SSW	8	r	30.29	+.51	39	36	- 12	WNW	8	r	6	r	*	51	36	0.87
	Skudesnaes ...	30.13	46	NNW	6	bc	30.42	+.40	43	41	- 7	N	6	c	2	o.bc	*	50	41	*
	Færder (X'iania Fjord)	30.01	48	SW	5	m	30.22	+.16	44	39	+ 3	N	4	b	3	m	*	48	41	-
	The Scaw (Skagen)	30.12	47	WSW	2	m	30.25	+.12	46	42	- 2	NNW	3	bc	?	m	*	50	?	0.39
	Fanö	30.28	50	SW	4	c	30.42	+.17	44	42	- 5	WNW	4	b	*	c	*	52	43	-
British Islands	Sumburgh Head ...	30.19	45	NW	3	c	30.52	+.66	45	42	+ 1	NW	3	c	4	c	*	45	42	0.02
	Stornoway	30.32	42	NNW	1	b	30.60	+.63	38	36	- 4	NW	3	o	3	b	2.4	48	34	0.03
	Wick	30.26	42	NW	3	c	30.60	+.69	38	36	- 7	NW	2	bc	1	c	*	45	33	0.04
	Nairn	30.34	39	W	0	b	30.65	+.75	30	29	- 17	W	0	b	1	b	*	48	28	0.24
	Aberdeen	30.29	43	NW	3	bc	30.65	+.73	35	34	- 15	WNW	2	bmw	2	o.q.r.m.bc	1.1	53	33	0.07
	Leith	30.21	47	SSW	3	r	30.65	+.73	40	39	- 12	W	0	b	*	r	*	54	39	0.30
	Shields	30.18	52	S	2	r	30.61	+.60	48	45	- 1	NE	3	c	3	r.m	*	53	46	0.11
	Spurn Head ...	30.25	46	S	3	b	30.53	+.39	50	49	+ 3	E	4	ow	2	b	*	52	44	-
	Loughborough ...	30.23	50	SE	2	c	30.56	+.39	47	46	+ 3	NNE	1	o.q.f.w	*	bc.c.gm	*	54	39	-
	Malin Head ...	30.22	47	NE	6	c	30.56	+.74	48	45	- 3	ESE	5	c.q	4	r.c	*	51	40	0.13
	Blacksod Pt. ...	30.38	48	NNE	6	bcp	30.52	+.60	48	46	+ 1	ENE	5	bc	4	b.bcp	*	49	45	0.03
	Donaghadee ...	30.10	51	N	3	cp	30.54	+.65	54	52	0	E	5	c	5	cp	*	55	48	0.18
	Liverpool (Bidston)	30.16	52	ESE	3	o	30.56	+.51	49	48	+ 1	ENE	4	o	3	om.a	*	55	47	0.03
	Holyhead	30.12	52	WSW	2	c.a.p	30.54	+.58	50	49	- 3	E	3	m	2	a.g.m, d.p	*	54	48	0.04
	Parsonstown ...	30.22	46	NE	2	o	30.49	+.62	47	47	- 5	E	1	o	*	o	0.0	52	45	0.02
	Valencia	30.31	50	N	6	c.q	30.45	+.60	47	45	- 2	ENE	3	o	4	o.q.p.c.q	0.0	51	44	0.04
	Roche's Point ...	30.17	48	N	6	c	30.41	+.56	48	46	- 1	NE	2	o	3	c.m	*	53	42	-
	Pembroke (Linney's Hd.)	30.14	54	SW	5	c	30.45	+.44	51	51	- 5	E	3	c.q	3	c	1.7	57	50	-
	Scilly ...	30.10	52	SW	4	c	30.37	+.35	54	52	- 2	ESE	3	c	3	c	6.3	58	48	-
	Jersey (St. Aubin) ...	30.24	50	SSE	3	c.m	30.46	+.23	50	48	+ 2	ENE	3	b.c.m	3	b.c.m.f	*	52	45	-
	Portland Bill ...	30.23	53	S	3	o	30.47	+.27	48	47	- 3	E	3	b	3	o	*	56	46	-
	Dungeness	30.25	53	SSW	3	b	30.50	+.24	47	47	- 2	NNE	2	b	2	b	*	54	35	0.01
	London (Brixton) ...	30.25	46	S	2	c.m	30.54	+.30	41	40	- 7	W	0	f	*	b.c.b.f	1.1	54	38	-
	Oxford	30.29	47	SSE	1	b	30.55	+.35	37	37	- 9	NNE	1	f	*	b	*	54	37	-
	Yarmouth	30.24	47	SSW	2	b	30.52	+.29	48	47	- 1	NNE	3	f	4	b.c.b	*	51	36	-
Germany.	Cuxhaven	30.32	46	SW	1	bc	30.39	+.12	47	47	0	W	1	o	*	bc	*	48	41	-
	Berlin	30.38	48	W	2	bc	30.36	+.04	43	42	- 4	W	3	c	*	bc	*	50	41	-
	Wiesbaden	*	*	*	*	*	30.51	+.08	40	40	- 1	WSW	4	o	*	*	*	63	39	-
	Munich	30.46	37	SE	4	b	30.48	+.03	29	29	- 4	W	1	bc	*	b	*	46	28	-
France & Netherlands.	The Helder ...	30.31	41	S	1	f	30.49		49	47		N	1	c	0	f	*	50	37	-
	Brussels	*	*	*	*	*	30.52	+.15	38	37	- 3	ENE	1	bc	*	b	*	53	34	-
	C. Gris Nez ...	30.24	47	S	3	b	30.50	+.24	46	45	+ 6	E	1	m	1	b	*	54	39	-
	Paris	30.32	41	SE	1	b	30.46	+.10	29	29	- 8	NE	1	b	*	b	*	51	28	-
	Brest	30.19	54	NW	2	o	30.38	+.23	50	49	- 5	ENE	2	b	2	o	*	57	46	-
	Lorient	30.23	49	SE	3	m	30.35	+.14	43	43	- 5	E	5	m	5	m	*	54	43	-
	Rochefort	30.19	51	ESE	3	b	30.44	+.03	45	43	+ 3	E	3	bc	*	b	*	60	39	-
	Belfort	30.39	39	ENE	4	m	30.49	+.09	26	26	- 9	ENE	1	f	*	m	*	49	26	-
	Lyons	30.32	43	NNW	1	b	30.49	+.09	32	32	- 2	N	1	f	*	b	*	51	31	-
	Nice	30.32	51	E	*	b	30.39	+.01	46	44	- 3	ENE	3	b	2	b	*	63	46	-
	Perpignan	30.25	53	W	0	b	30.35	+.03	42	42	+ 3	N	1	b	*	b	*	63	39	-
	Biarritz	30.15	60	E	2	b	30.19	.08	50	46	- 2	SSE	3	b	2	b	*	66	48	-
Span. Pen.	Corunna																*			
	Lisbon	30.12	58	NE	3	r	30.06	-.11	57	56	- 1	E	3	o	*	kr	*	70	55	0.43
	Azores (P. Delgada)	30.30	61	NE	4	o	30.22	-.10	61	59	+ 1	ENE	4	o	4	o	*	64	59	

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 2.6 hrs.

WEATHER CHARTS

FOR Wednesday, 15th November, 1899.

BAROMETER, WIND AND SEA.

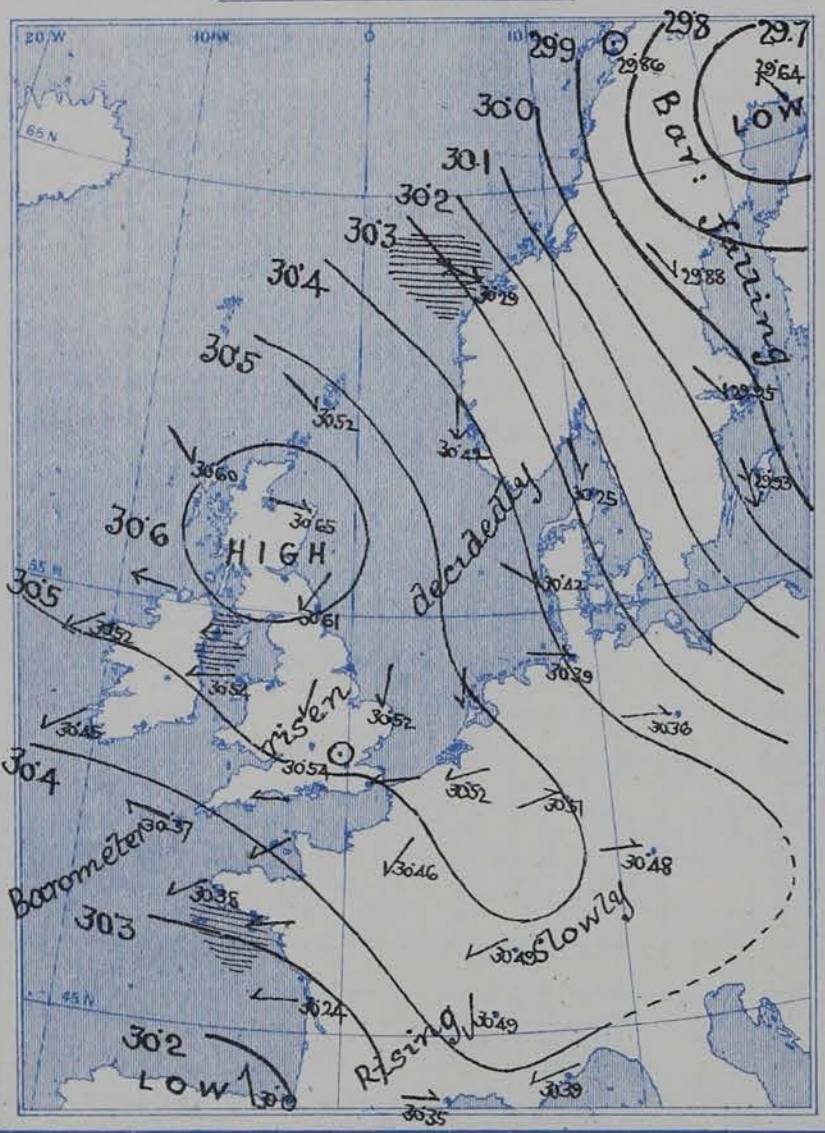
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓

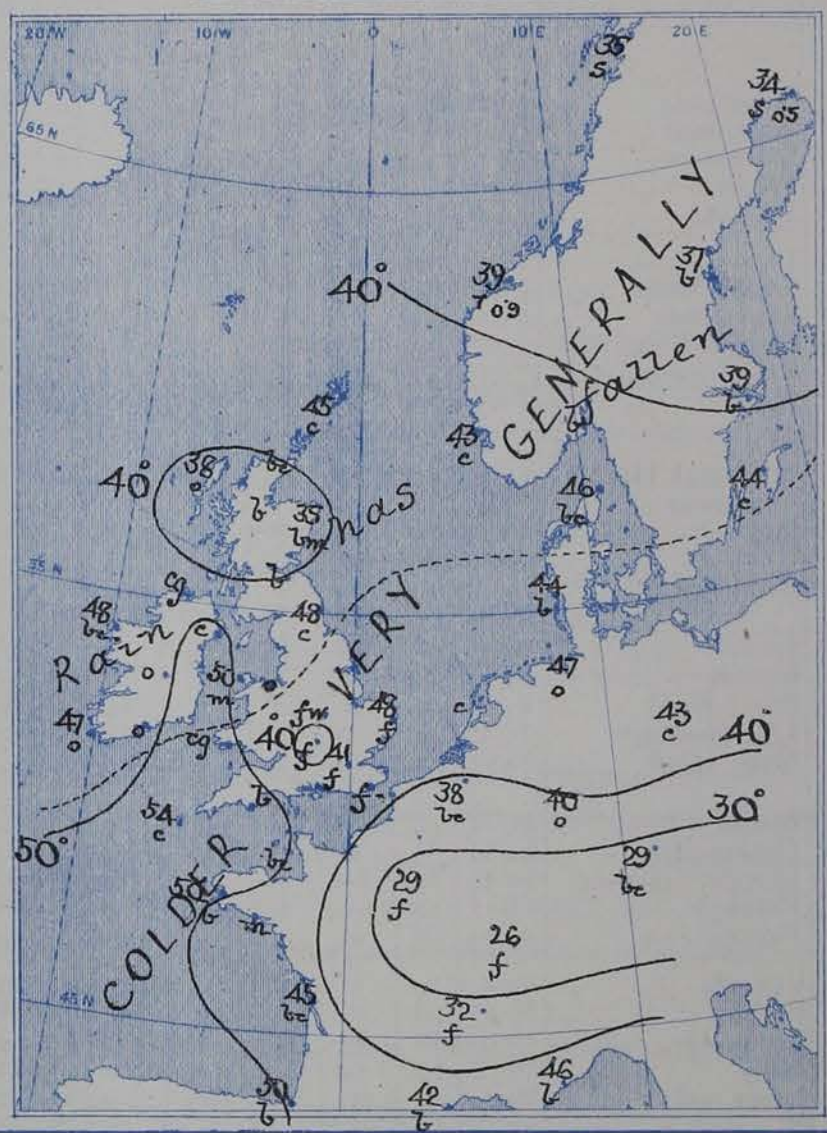


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·6 in: and upwards over Scotland; 30·4 in: and upwards in an anticyclone covering nearly the whole of Western Europe.
Lowest, 29·7 in: and less, in a depression with its centre over the north of Sweden.
Gradients slight generally, but rather steep over Scandinavia.
Barometer rising at all but the Swedish stations.

TEMPERATURE

Highest, 54° at Donaghadee and Scilly, 51° at Pembroke and 50° at Spurn Head, Holyhead, Jersey, Brest, and Biarritz.
Lowest, (1) 26° at Belfort, and 29° at Paris and Munich; (2) 30° at Nairn and 35° at Aberdeen; (3) 34° at Haparanda.
During yesterday the thermometer rose to 55° and upwards on several parts of our western and southern coasts, and to 58° at Scilly.

WIND

E^{24} or NE^{24} over the greater part of England, Ireland, and France; light or moderate in force generally, but fresh or strong in the north of Ireland
NW^{3} in the north of Scotland and also in Scandinavia and Denmark, with a gale at Christiansund and Wick, light from the Wnd in Germany.

WEATHER

Cloudy in most parts of England and Ireland, with fog over our eastern, midland and southeastern counties.
Fine in Scotland and also over the western parts of the Continent generally, but foggy over Central France; rain is falling at Christiansund, and snow at Bodö and Haparanda.
Rain fell yesterday in the west and north of our Islands and also in Scandinavia and Denmark. A thunderstorm has occurred at Lisbon.

SEA

Moderate or slight generally, but rough at Christiansund, and rather rough at Donaghadee and Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday morning over Ireland and Scotland has entirely dispersed, and a large anticyclone has spread over Western Europe from the Atlantic. The barie rise at Valencia appears to have been greatly checked, and freshening Easterly winds seem probable on our western coasts.

FORECASTS

For the 24 hours ending at NOON on 16th Nov^{r} 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^{24} to W^{24} winds, light; fair generally.
1	SCOTLAND EAST	Light Variable airs; fair generally, but some fog or mist.
2	ENGLAND N.E.	NE^{24} winds, light; fair generally, but some fog or mist. Frost at night.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	E^{24} and NE^{24} winds, light or moderate; fair generally, but some fog or mist. Frost inland at night.
6	SCOTLAND WEST	Same as No 1.
⍋ 7	ENGLAND N.W.	E^{24} winds, fresh or strong; fair generally.
⍋ 8	ENGLAND S.W.	E^{24} winds, freshening; fair generally.
⍋ 9	IRELAND NORTH	Same as No 7.
10	IRELAND SOUTH	Same as No 8.
	WARNINGS	At 0·30 pm yesterday to districts 0, 1, and 6 "Hoist North Cone". At 10·30 am today to districts 0, 1, and 6 "Lower Cone"

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·05	50	49	SW	4	o	3
Sumburgh Head	30·06	44	40	NW	3	c	4
Stornoway... ...	30·17	48	44	N	1	b	1
Aberdeen	30·11	45	44	NNW	6	o q r q	4
Shields	30·06	53	50	SSW	2	o m	2
Malin Head ...	30·07	45	43	NE	1	r	6
Blacksod Pt.. ...	30·20	49	43	NNE	1	b	6
Holyhead	30·01	54	53	SW	4	d q m	3
Valencia	30·16	48	45	N	8	o q v	6
Scilly	30·07	55	52	NSW	5	c	6
Jersey	30·23	50	47	SSE	3	bc	3
Portland Bill ...	30·19	54	52	S	4	o	3
Dungeness ...	30·23	54	52	SW	4	b	3
London (Westminster)	30·22	52	48	SW	3	bc	*
Yarmouth ...	30·21	49	47	SSW	3	bc	3
Rochefort ...	30·18	60	53	ESE	3	b	*

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

Weather in morning fair or fine over the greater part of England, France, and southern Europe; cloudy or dull in most other regions, with fog over the Netherlands, western Germany, and the south of Scandinavia; raining on our own extreme north and northwest coast, as well as at Bodö, Berlin, Neufahrwasser and Nicolaieff. Rain falling later in the west and north of our Islands generally, and also in Scandinavia and Denmark. Thunderstorm occurring at Lisbon.

Temperature risen in Scandinavia, Denmark and North Germany, changed rather irregularly elsewhere, but fallen in most places. Morning readings highest 69° at Oran, 66° at Algiers, and 65° at Malta, above 55° at most of the Mediterranean stations and also on the southwest coasts of Great Britain. Lowest (1) 28° at Kuopio and St Petersburg, and 29° at Hangö; (2) 31° at Limoges, and 33° at Munich. Rising during day to 55° or slightly above it in many parts of our western and southern coasts; exceeding 60° in the south of France, and reaching 70° at Lisbon.

Wind S$^{\rightarrow}$ over the greater part of our Islands and strong in force in the Irish Sea and St George's Channel; moderate from the N^{W} in the north of Scotland, and blowing a gale from the same quarter in the west of Ireland. SW$^{\rightarrow}$ on the eastern shores of the North Sea, but SE$^{\rightarrow}$ in the south of Sweden. Calm or variable in Russia, NW$^{\rightarrow}$ in Austria, N$^{\rightarrow}$ in Italy, N$^{\rightarrow}$ to E$^{\rightarrow}$ over the Spanish Peninsula, E$^{\rightarrow}$ or SE$^{\rightarrow}$ over France and South Germany. Gale in Ireland subsiding later.

Barometer highest 30·4 ins: and upwards over South Germany and the east of France; 30·2 ins: and upwards in an anticyclone covering the whole of central and southern Europe and extending northwards over the Baltic and Finland. Lowest 29·7 ins: and less, in a depression lying off the northern part of the Norwegian coasts; 29·9 ins: and less, in an elongated disturbance over Iceland and Scotland. Latter disturbance subsequently moving eastwards and partially filling up; barometer rising briskly on our western and northern coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 16th November, 1899.

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	26	S	0	b	30·15	+·51	18	17	−16	S	0	b	*	b	*	34	18	—
	Hernösand	30·24	36	NW	8	b	30·31	+·43	35	33	−2	S	2	bc	*	b	*	39	32	—
	Stockholm	30·26	36	NW	4	b	30·42	+·47	33	31	−6	NW	4	b	*	b	*	43	33	—
	Wisby	30·18	40	N	8	c	30·39	+·46	39	36	−5	NNE	6	b	*	c	*	45	37	—
	Karlstad	30·46	36	NW	6	b	30·50	+·37	34	31	−2	NW	2	bc	*	b	*	*	*	—
	Bodö	30·16	40	N	5	c	29·98	+·12	45	44	+10	SW	8	r	5	c	*	45	34	0·24
	Christiansund ...	30·45	43	N	6	r	30·40	+·11	46	43	+7	NSW	7	c	6	r	*	46	36	0·08
	Skudesnaes ...	30·64	43	S	0	0	30·63	+·21	42	41	−1	S	0	0	2	b.c	*	46	39	*
	Færder (X'iania Fjord)	30·50	42	NNW	2	b	30·52	+·30	44	42	0	SW	2	bc	2	b	*	45	41	—
	The Scaw (Skagen)	30·50	46	N	2	b	30·56	+·31	43	41	−3	NW	1	b	0	b	*	48	41	—
	Fanö	30·56	40	NW	1	b	30·63	+·21	34	34	−10	NW	1	b	*	b	*	50	34	—
British Islands.	Sumburgh Head ...	30·58	47	W	2	0	30·48	−·04	44	42	−1	SW	1	0	3	0	*	48	41	—
	Stornoway	30·60	38	S	0	c	30·48	−·12	50	48	+12	WSW	3	0	3	c	2·9	50	35	—
	Wick	30·61	44	NW	2	bc	30·50	−·10	47	45	+9	NW	2	0	1	bc	*	48	30	—
	Nairn	30·65	34	S	0	b	30·56	−·09	46	44	+16	W	1	0	1	b	*	46	28	0·01
	Aberdeen	30·69	37	SW	1	bm	30·62	−·03	37	36	+2	SW	1	cmw	1	bcm	3·7	45	31	—
	Leith	30·66	44	W	1	b	30·64	−·01	35	35	−5	S	0	f	*	b	*	51	31	—
	Shields	30·68	46	ESE	2	c	30·65	+·04	36	36	−12	SW	2	bcm	2	b.c	*	52	35	—
	Spurn Head ...	30·66	47	E	3	b	30·67	+·14	47	43	−3	SE	2	c	1	b.c	*	52	45	—
	Loughborough ...	30·67	48	ME	2	0	30·70	+·14	36	36	−11	E	1	cmw	*	g.q.bc.o	*	50	34	0·02
	Malin Head ...	30·58	49	SSE	3	o.g.m	30·56	·00	48	47	0	SE	4	om	2	o.g.m	*	51	47	—
	Blacksod Pt. ...	30·55	51	SSW	2	0	30·55	+·03	48	47	0	S	1	mw	1	c:o	*	53	44	—
	Donaghadee ...	30·63	51	ESE	4	0	30·64	+·10	50	48	−4	SSE	4	o.g	3	0	*	†54	47	—
	Liverpool (Bidston)	30·65	48	E	3	bc	30·68	+·12	42	41	−7	ESE	1	0	2	om.bc	*	52	41	—
	Holyhead	30·61	50	E	2	b	30·62	+·08	48	46	−2	SE	1	f	0	b	*	54	45	—
	Parsonstown ...	30·57	53	E	1	0	30·58	+·09	49	46	+2	SE	1	o	*	c.o	1·1	55	47	—
	Valencia	30·52	51	S	0	0	30·51	+·06	49	45	+2	E	5	bm	4	0	0·0	54	46	—
	Roche's Point ...	30·53	52	ESE	3	b	30·56	+·15	52	50	+4	SE	3	m	3	c.b	*	55	45	—
	Pembroke (St. Ann's Hd.)	30·59	52	ESE	4	b	30·58	+·13	51	50	0	E	4	o.g	3	c.b	2·4	55	48	—
	Scilly	30·44	54	E	6	c	30·45	+·08	53	51	−1	E	5	o	4	b.c	6·4	59	50	—
	Jersey (St. Aubin's) ...	30·47	52	NE	3	bm	30·55	+·09	47	45	−3	E	5	bm	4	b.bm	*	56	46	—
	Portland Bill ...	30·56	48	E	5	om	30·57	+·10	51	49	+3	E	5	c	5	om	*	52	46	—
	Dungeness	30·57	53	E	4	c	30·65	+·15	49	47	+2	ESE	3	c	2	c	*	55	46	—
	London (Brixton) ...	30·62	51	E	2	0	30·66	+·12	42	41	+1	E	1	o.g	*	bc.o.g.b	0·0	51	40	—
	Oxford	30·64	48	NE	1	0	30·68	+·13	43	42	+6	NE	1	c	*	o.g	*	48	37	—
	Yarmouth	30·60	48	NE	4	c	30·64	+·12	48	45	0	E	3	cr	3	c	*	51	45	—
Germany.	Cuxhaven	30·49	47	N	4	0	30·59	+·20	42	41	−5	N	2	b	*	0	*	48	39	—
	Berlin	30·35	41	NNW	2	c	30·48	+·12	35	33	−8	NW	3	b	*	c	*	46	34	—
	Wiesbaden	*	*	*	*	*	30·59	+·08	38	37	−2	SW	1	b	*	*	*	43	36	—
	Munich	30·48	39	W	3	m	30·52	+·04	36	35	+4	NW	4	o	*	m	*	45	28	—
France & Netherlands.	The Helder ...	30·60	48	NNE	2	0	30·63	+·14	47	45	−2	N	1	b	0	0	*	52	46	—
	Brussels	*	*	*	*	*	30·65	+·13	39	38	+1	NE	3	c	*	r	*	50	36	—
	C. Gris Nez ...	30·59	49	E	2	m	30·61	+·11	41	39	−5	ESE	1	o	1	m	*	54	37	—
	Paris	30·52	43	NNE	2	b	30·58	+·12	36	36	+7	NE	2	b	*	b	*	54	29	—
	Brest	30·39	52	E	2	b	30·44	+·06	47	46	−3	E	3	b	1	b	*	59	45	—
	Lorient	30·38	48	ESE	5	b	30·43	+·08	44	43	+1	E	4	bc	5	b	*	52	41	—
	Rochefort	30·35	53	E	3	b	30·39	+·15	43	42	−2	ENE	4	b	*	b	*	63	41	—
	Belfort	?	31	E	3	[illegible]	30·58	+·01	33	33	+7	E	4	[illegible]	*	[illegible]	*	47	26	—
	Lyons	30·50	38	N	1	[illegible]	30·47	−·02	32	32	0	NNW	1	*	*	*	*	41	†32	—
	Nice	30·36	52	S	0	[illegible]	30·44	+·05	47	42	+1	E	2	[illegible]	2	[illegible]	*	61	46	—
	Perpignan	30·37	54	S	0	[illegible]	30·25	−·10	58	49	+13	W	3	[illegible]	*	[illegible]	*	64	41	—
	Biarritz	30·24	58	E	3	[illegible]	30·26	+·07	49	45	−1	E	4	[illegible]	2	[illegible]	*	66	48	—
Span. Pen.	Corunna																			
	Lisbon	30·19	60	SW	2	b	30·25	+·19	59	58	+2	E	3	0	*	b	*	66	57	—
	Azores (P. Delgada)	30·15	62	ESE	4	c	30·10	−·12	62	59	+1	SE	4	bc	4	c	*	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·4 hrs.

WEATHER CHARTS

FOR Thursday, 16th November, 1899.

BAROMETER, WIND AND SEA.

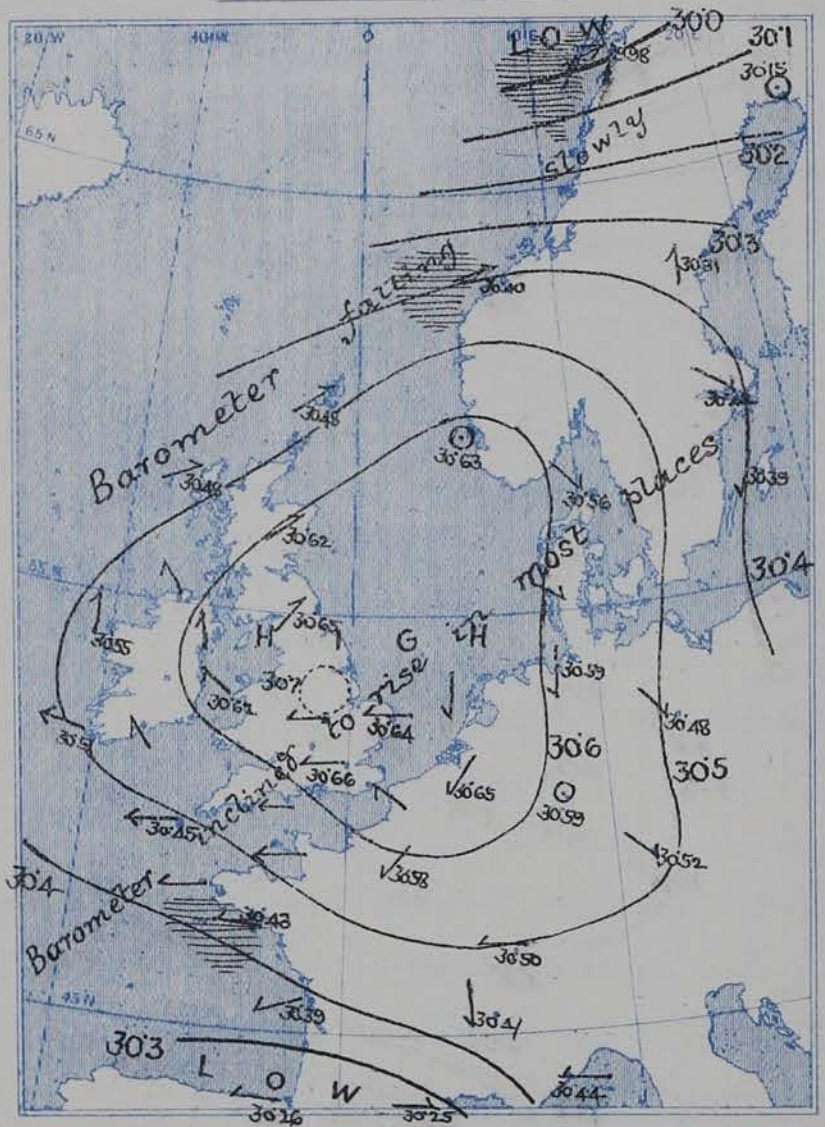
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

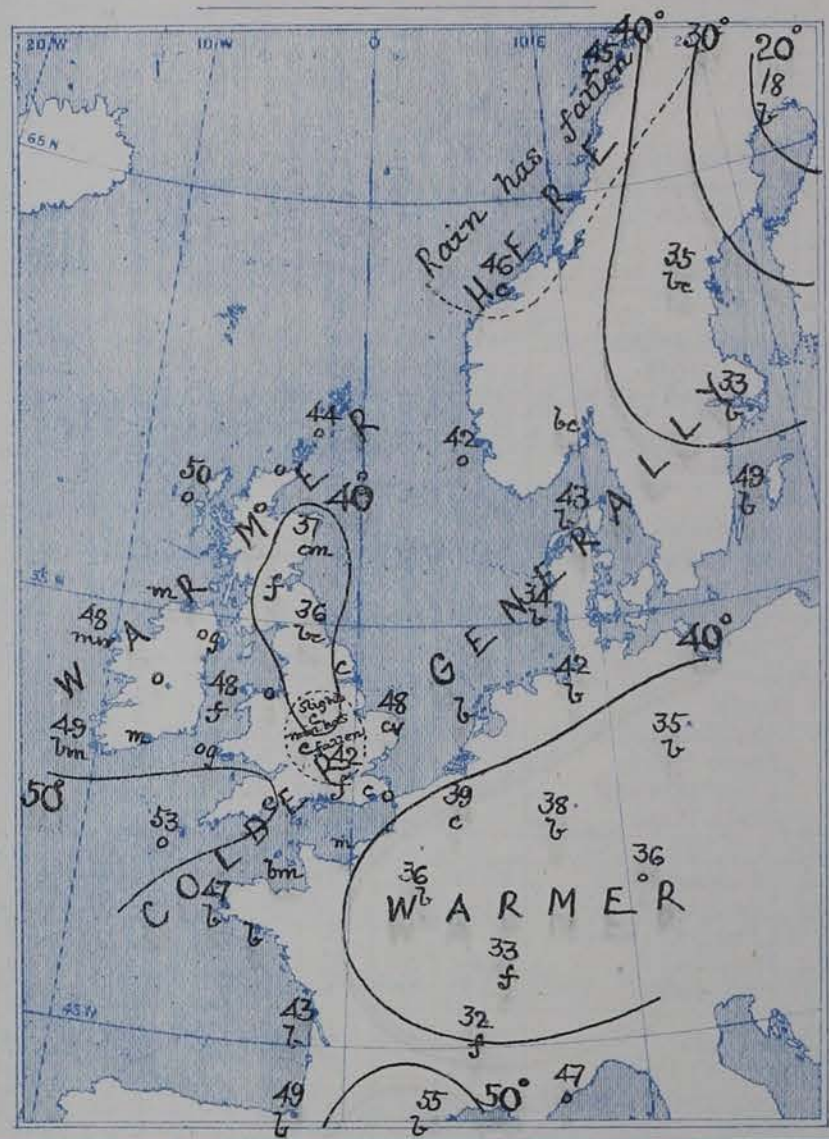


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 30.70 ins. at Loughborough; 30.6 ins. and upwards over nearly the whole of Gt. Britain, the Netherlands and the North Sea; 30.4 ins. and upwards in an anticyclone embracing the whole of W. and central Europe.
Lowest 30.0 ins. and less in a depression off the N.W. part of the Norwegian coasts.
Gradients slight generally, but moderate over the N. of Scandinavia.
Barometer falling slightly in the N. of Scotland and the W. of Norway, steady or inclined to rise elsewhere.

TEMPERATURE

Highest 54° at Lisbon, 55° at Perpignan, 53° at Scilly, 52° at Rockes Pt. and 51° at Pembroke & Portland Bill
Lowest (1) 18° at Haparanda, and 33° at Stockholm; (2) 32° at Lyons, and 33° at Belfort; (3) 35° at Leith, and 36° at Shields and Loughborough.
Frost occurred last night in several parts of Gt. Britain, the lowest readings reported being; (1) In the screen 28° at Nairn, 30° at Wick, and 31° at Aberdeen & Leith; (2) On the grass 26° at Loughborough.

WIND

E. by over the greater part of England and France, and fresh in force in the western parts of the Channel.
Light to moderate from the SE.wd in Ireland, and from the SW.wd in Scotland; strong to a gale from the latter quarter in the west of Norway.
NW. by in Denmark, Germany and the south of Sweden.

WEATHER

Cloudy or dull over the greater part of our Islands, with fog or mist in many places.
Fine over the W. parts of the Continent generally, but dull in the W. of Norway.
Drizzling rain fell yesterday in some parts of England, but as a rule the amount was too slight for measurement.

SEA

Slight or smooth generally, but rough off the W. of Norway, and rather rough at Portland Bill.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any decided change in the weather. Depressions are, however, beginning to approach the Norwegian coasts, and these will probably affect our own extreme N. stations within the ensuing 24 hours.

FORECASTS

For the 24 hours ending at NOON on 17TH NOV. 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW. by winds moderate or fresh; dull, some rain.
1	SCOTLAND EAST	Light breezes chiefly SW. by; fair generally, but some fog or mist.
2	ENGLAND N.E.	
3	ENGLAND EAST	E. by winds, light; fair generally, but some fog or mist.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.		FORECASTS.
6	SCOTLAND WEST	E. by and SE. by winds, light; fair generally, but some fog or mist.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E. by winds, moderate or fresh; fair generally.
9	IRELAND NORTH	SE. by winds, light or moderate; fair generally.
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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·56	46	41	N	4	bc	2
Sumburgh Head	30·56	47	43	W	8	o	4
Stornoway... ...	30·60	50	48	W	0	c	0
Aberdeen	30·68	44	40	SW	1	bcm	1
Shields	30·67	50	46	E	2	bc	3
Malin Head ...	30·58	49	47	SE	3	o	2
Blacksod Pt.. ...	30·51	53	50	SSE	2	c	3
Holyhead	30·60	53	50	E	3	b	2
Valencia	30·48	58	50	ENE	2	o	4
Scilly	30·43	57	54	E	4	b	3
Jersey	30·47	55	50	E	3	b	3
Portland Bill ...	30·52	49	48	E	5	om	5
Dungeness ...	30·53	54	52	E	3	c	2
London (Westminster)	30·58	52	49	SE	1	ogm	
Yarmouth ...	30·56	50	49	NE	3	c	3
Rochefort ...	30·28	59	55	E	3	bc	*

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

Weather in morning cloudy or dull over England and Ireland, with fog over our E.ⁿ, Midland and SE.ⁿ counties. Fine in Scotland, and also over Sweden, Denmark and the greater part of France and S.ⁿ Europe, but foggy over central France. Dull in Germany and Austria; rain and snow falling in many parts of Russia and also in the N. of Scandinavia. No important change occurring over W.ⁿ Europe during day.

Temperature fallen over NW.ⁿ Europe generally, changed irregularly elsewhere. Morning readings highest 65° at Malta, 63° at San Fernando and 62° at Algiers; above 55° at most of the Mediterranean and Spanish coasts stations. Lowest (1) 26° at Belfort, and 29° at Paris and Munich; (2) 27° at Archangel and St. Petersburg; (3) 30° at Nairn, and 35° at Aberdeen. Daily maxima below 50° in the N. of Scotland, and below 55° at all but our SW. coast stations; exceeding 60° in the W. and S. of France. Frost occurring at night in many parts of Gt. Britain.

Wind E.ly or NE.ly over the greater part of England, Ireland, France and Spain; light or moderate in force generally, but strong in the north of Ireland. NW.ly in the north of Scotland, and also in Scandinavia and Denmark, with a gale at Christiansund and Wisby; W.ly in Germany and Austria; S.ly or SE.ly over northern Russia. Light to moderate from the N.ward in Italy and Greece. No important change occurring later.

Barometer highest 30.6 ins. and upwards over Scotland; 30.3 ins. and upwards in an anticyclone covering nearly the whole of W.ⁿ, central and S.ⁿ Europe. Lowest 29.7 ins. and less in a depression with its centre over the N. of Sweden; 29.8 ins. and less in another disturbance over the S. of Russia. No important change occurring over W.ⁿ Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Friday, 17th November, 1899.

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 ...	29.85	35	WSW	2	b	29.67	-.48	39	36	+21	W	4	b	•	b	•	39	16	–
	Hernösand ...	30.19	43	SW	0	bc	30.07	-.24	42	39	+7	SW	4	b	•	bc	•	45	30	–
	Stockholm ...	30.38	35	W	2	b	30.23	-.19	36	29	+3	W	2	c	•	b	•	39	30	–
	Wisby ...	30.40	42	N	4	b	30.26	-.13	37	36	-2	NNW	4	c	•	b	•	43	36	–
	Karlstad ...	30.36	37	SW	0	b	30.30	-.20	32	31	-2	WNW	2	b	•	b	•	•	•	–
	Bodö ...	29.81	46	SW	8	o	29.60	-.38	43	40	-2	SW	9	r	7	c	•	46	41	0.43
	Christiansund ...	30.26	50	WSW	9	r	30.31	-.09	44	41	-2	W	8	r	6	r	•	50	43	0.04
	Skudesnaes ...	30.56	48	SW	0	o	30.51	-.12	49	48	+7	NNW	4	c	2	c	•	49	39	•
	Færder (X'iania Fjord)	30.38	43	N	2	bc	30.33	-.19	45	41	+1	W	4	bc	2	bc	•	45	38	–
	The Scaw (Skagen)	30.41	44	NNW	1	m	30.38	-.18	46	45	+5	NW	2	m	0	m	•	48	41	–
	Fanö ...	30.60	46	NW	3	c	30.52	-.09	48	47	+14	WNW	4	c	•	c	•	50	34	–
British Islands	Sumburgh Head ...	30.42	50	NSW	4	o	30.52	+.04	47	44	+3	NW	3	o	4	c	•	51	44	0.04
	Stornoway ...	30.51	50	WSW	3	c	30.64	+.16	43	42	-7	NW	2	bc	2	o.c	0.6	52	40	–
	Wick ...	30.50	45	NW	1	bc	30.62	+.12	44	42	-3	NW	3	bc	1	bc	•	52	39	–
	Nairn ...	30.58	50	S	0	o	30.66	+.10	42	42	-4	WSW	1	b	1	o	•	51	40	–
	Aberdeen ...	30.61	46	SW	1	og	30.68	+.06	46	44	+9	WSW	1	c	1	cm.og	1.8	48	36	–
	Leith ...	30.63	42	W	1	m	30.69	+.05	45	43	+10	WSW	2	c	•	m	•	50	32	–
	Shields ...	30.65	41	W	2	b	30.70	+.05	35	34	-1	W	2	m	2	f.b	•	46	33	–
	Spurn Head ...	30.67	48	SSW	2	c	30.69	+.02	37	36	-10	WNW	2	f	1	c.f	•	49	35	–
	Loughborough ...	30.69	39	ESE	1	c	30.75	+.05	34	34	-2	N	0	ofw	•	bc.o.b.o	•	46	28	–
	Malin Head ...	30.60	49	SSW	2	ogm	30.68	+.12	47	45	-1	S	2	om	1	ogm	•	51	45	–
	Blacksod Pt. ...	30.59	44	SW	0	b	30.65	+.10	37	37	-11	NW	1	bw	1	b	•	51	35	–
	Donaghadee ...	30.63	51	SSE	3	og	30.70	+.06	50	48	0	E	3	og	3	og	•	51	47	–
	Liverpool (Bidston)	30.67	43	ESE	1	c	30.72	+.04	36	35	-6	E	2	b	?	cm	•	48	35	–
	Holyhead ...	30.62	49	SW	0	om	30.69	+.07	47	45	-1	E	2	om	1	om	•	50	45	–
	Parsonstown ...	30.59	46	SE	1	b	30.68	+.10	46	43	-3	SE	1	o	•	b	4.8	53	45	–
	Valencia ...	30.52	50	E	3	bm	30.60	+.09	49	46	0	E	3	b	3	bm	7.2	56	45	–
	Roche's Point ...	30.57	51	SSE	4	c	30.64	+.08	52	49	0	SSE	3	o	3	bc.c	•	54	48	–
	Pembroke (St. Ann's Hd.)	30.60	49	ESE	4	c	30.65	+.07	43	42	-8	ENE	4	bcm	2	c	4.1	53	41	–
	Scilly ...	30.49	53	E	6	c	30.56	+.11	52	49	-1	E	5	c	3	bc.c	6.4	58	48	–
	Jersey (St. Aubin's) ...	30.54	49	E	4	bm	30.64	+.09	46	43	-1	ENE	3	bm	3	c.bm	•	51	42	–
	Portland Bill ...	30.60	49	E	6	c	30.66	+.09	45	44	-6	E	3	cm	3	c	•	53	43	–
	Dungeness ...	30.61	52	E	8	c	30.68	+.03	48	46	-1	E	4	bc	3	o.c	•	55	46	–
	London (Brixton) ...	30.65	48	ENE	1	om	30.70	+.04	42	41	0	NW	1	c	•	ogm.b.cm	0.0	51	39	–
	Oxford ...	30.69	40	W	1	b	30.72	+.04	40	39	-3	NNE	2	c	•	b	•	49	37	–
	Yarmouth ...	30.64	49	NE	3	bc	30.68	+.04	45	43	-3	NW	3	bc	3	b.bc	•	50	44	–
France & Netherlands. Germany.	Cuxhaven ...	30.61	43	SW	0	b	30.57	-.02	47	45	+5	NNW	2	o	•	b	•	47	39	0.04
	Berlin ...	30.56	38	NW	3	b	30.56	+.08	36	35	+1	NW	1	o	•	b	•	43	34	–
	Wiesbaden ...	•	•	•	•	•	30.65	+.06	33	32	-5	NE	2	b	•	•	•	46	32	–
	Munich ...	30.55	31	SW	0	bc	30.60	+.08	26	26	-10	SW	0	b	•	bc	•	39	25	–
	The Helder ...	30.64	49	NNE	1	c	30.67	+.04	48	44	+1	NNW	1	c	1	c	•	50	46	–
	Brussels ...	•	•	•	•	•	30.71	+.06	34	32	-5	E	1	f	•	b	•	49	30	–
	C. Gris Nez ...	30.58	45	E	2	bc	30.69	+.08	39	36	-2	E	1	m	1	bc	•	52	36	–
	Paris ...	30.34	41	NE	2	b	30.64	+.06	32	31	-4	NE	2	m	•	b	•	49	31	–
	Brest ...	30.45	50	E	1	o	30.54	+.10	40	38	-7	E	1	b	1	o	•	57	34	–
	Lorient ...	30.48	50	E	4	bc	30.52	+.09	43	39	-1	ESE	5	bc	2	bc	•	57	41	–
	Rochefort ...	30.41	43	ENE	4	b	30.45	+.06	38	37	-5	ENE	4	b	•	b	•	55	38	–
	Belfort ...	30.48	37	ENE	5	c	30.56	+.06	28	26	-5	E	4	c	•	c	•	42	27	–
	Lyons ...	30.34	41	N	4	bc	30.48	+.01	32	30	0	N	2	bc	•	bc	•	45	31	–
	Nice ...	29.98	54	SW	1	b	30.26	-.18	42	35	-5	E	4	b	4	b	•	61	41	–
	Perpignan ...	30.07	63	NW	1	bc	30.32	+.07	42	41	-13	W	1	o	•	bc	•	71	41	–
	Biarritz ...	30.25	58	ENE	2	b	30.28	+.02	40	39	-9	ENE	2	m	2	b	•	64	39	–
Span. Pen.	Corunna ...																•			
	Lisbon ...	30.23	62	NE	4	o	30.25	.00	58	57	-1	N	3	bc	•	o	•	64	57	0.35
	Azores (P. Delgada)	30.06	63	SE	4	c	29.98	-.12	64	62	+2	SE	5	r	5	c	•	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 3.7 hrs.

WEATHER CHARTS

FOR Friday, 17th November, 1899.

BAROMETER, WIND AND SEA.

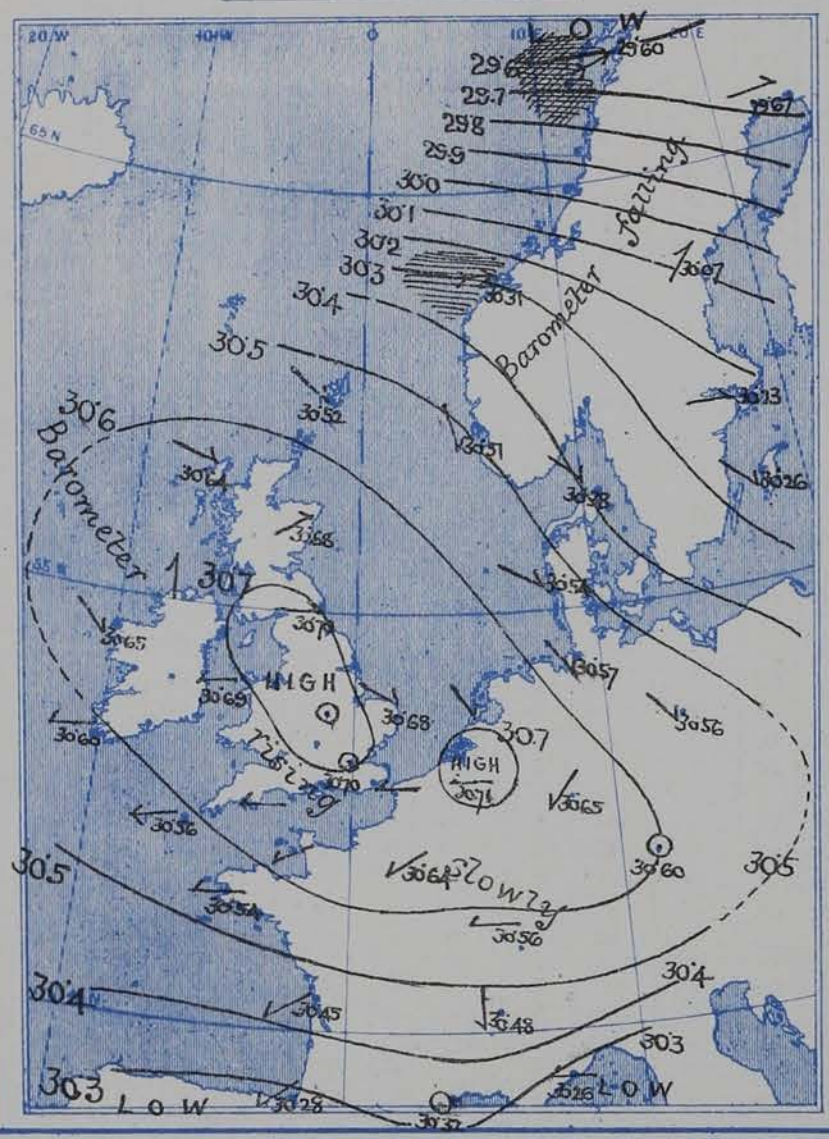
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓

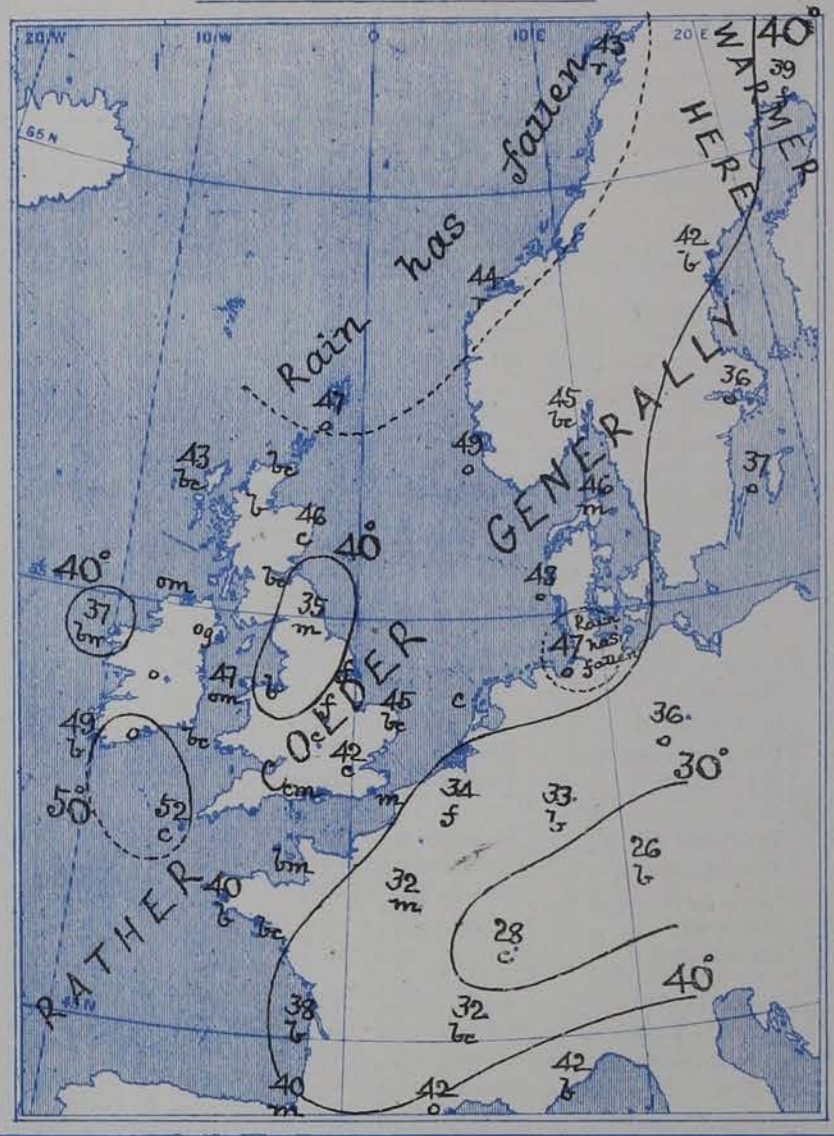


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	·18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 30·75 ins. at Loughborough, 30·7 ins. and upwards over the N.rn and central parts of England generally, and also over Belgium; 30·3 ins. and upwards in an anticyclone covering the whole of W.rn & central Europe.
Lowest 29·6 ins. and less in a deep depression moving E.wds across the N. of Scandinavia.
Gradients slight generally, but steep over the N.rn parts of Scandinavia.
Barometer rising slowly in our Islands and France; falling in Scandinavia and Denmark.

TEMPERATURE

Highest (1) 58° at Lisbon; (2) 52° at Roche's P.t and Scilly, 50° at Donaghadee, and 49° at Valencia (Ireland); (3) 49° at Skudesnaes, and 48° at Fano.
Lowest (1) 26° at Munich, and 28° at Belfort; (2) 32° at Karlstad; (3) 34° at Loughborough, & 35° at Shields.
Frost occurred last night at many of our N.rn and central stations, the lowest readings reported being:- (1) In the screen 28° at Loughborough, and 32° at Leith; (2) On the grass 22° at Loughborough, and 31° in London.

WIND

E.ly or NE.ly over France and the west and south of our Islands; light or moderate in force generally, but fresh at the mouth of the Channel.
Light from the W.rd or NW.rd on our north and east coasts, and also in Denmark, N. Germany and the south of Scandinavia; strong to a gale from W. or SW. in the west of Norway.

WEATHER

Fair or fine over W.rn Europe as a whole, but dull in places, and foggy at some of our E.rn and central stations, as well as at Brussels. Rainy on the W. coast of Norway.
Excepting in the latter region and at Cuxhaven and Gumbrough H. no rain has fallen in any part of our area during the past 24 hours.

SEA

Slight or smooth generally, but rough or high off the W. of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

For the 24 hours ending at ***NOON*** *on* 18TH NOVEMBER 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW.ly to W.ly winds, moderate; fair generally.
1	SCOTLAND EAST	W.ly winds, light; fair generally, but some fog or mist.
2	ENGLAND N.E.	
3	ENGLAND EAST	Light breezes, chiefly E.ly; fair generally, but some fog or mist.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Light variable breezes; cloudy, some fog or mist.
7	ENGLAND N.W.	Same as Nos. 3 to 5.
8	ENGLAND S.W.	E.ly winds, moderate or fresh; fair generally.
9	IRELAND NORTH	Same as No. 6.
10	IRELAND SOUTH	Same as No. 8.
	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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·61	47	43	WNW	2	o	2
Sumburgh Head	30·42	50	48	WSW	4	o	4
Stornoway... ...	30·49	52	49	WSW	3	o	3
Aberdeen	30·58	48	45	SW	2	cm	1
Shields	30·65	45	42	SW	1	fj	2
Malin Head ...	30·58	51	49	SSW	2	o	2
Blacksod Pt.. ...	30·58	51	49	SSE	2	b	2
Holyhead	30·63	49	47	SE	1	m	0
Valencia	30·50	54	50	E	3	bm	4
Scilly	30·47	55	52	E	6	bc	4
Jersey	30·56	49	46	E	5	c	4
Portland Bill ...	30·60	50	46	ESE	6	c	5
Dungeness ...	30·61	52	49	ENE	3	o	2
London (Westminster)	30·65	52	47	E	1	og	*
Yarmouth ...	30·64	50	47	NNE	3	b	3
Rochefort ...	30·41	55	52	ENE	3	b	*

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

Weather in morning cloudy or dull over the greater part of our Islands, with fog or mist in many places. Fine in Sweden, Denmark, the Netherlands, France and W^rn Germany, as well as in the extreme S. of Russia, and in Austria; dull in most other parts of the Continent, with rain at Bodö and Warsaw, and snow at Archangel, St. Petersburg and Moscow. No important change occurring over W^rn Europe later.

Temperature fallen over England and the N^rn and central parts of the Continent generally; risen in most other localities. Morning reading, highest 66° at Algiers, 62° at Malta, and 60° at Barcelona; above 55° at several of the Mediterranean and Spanish coast stations. Lowest 17° at Uleaborg, 18° at Haparanda, and 26° at Archangel; lowest in our Islands 35° at Leith, and 36° at Shields and Loughborough. Daily maxima below 50° at several of our own E^rn and central stations, but thermometer exceeding 55° on our extreme SW. coasts; exceeding 60° in the S. of France, and reaching 71° at Perpignan.

Wind E. by N. over the greater part of England, France and the Spanish Peninsula, and fresh in force in the western parts of the English Channel. Light to moderate from the SE^rn in Ireland, and from the SW^rn in Scotland; strong to a gale from the latter quarter in the west of Norway; N. by E. or NW. by N. over central Europe generally; variable in Russia and also over Italy and the Mediterranean. No decided change occurring later.

Barometer highest 30.6 ins. to 30.7 ins. over the North Sea, the Netherlands and a considerable portion of Gt. Britain; 30.3 ins. and upwards in an anticyclone embracing the whole of W^rn and central Europe. Lowest 29.8 ins. and less in a shallow depression over the S. of Russia; 30.0 ins. and less in another disturbance approaching the NW. of Norway. No important change occurring over W^rn Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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„ Weekly „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 18th November, 1899.

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	29.48	32	SW	6	b	29.52	-.15	31	29	- 8	W	4	o	•	b	•	39	30	-
	Hernösand	29.99	42	W	6	b	30.01	-.06	42	36	o	W	2	b	•	b	•	46	30	-
	Stockholm	30.23	36	W	2	b	30.28	+.05	38	34	+ 2	W	2	b	•	b	•	39	32	-
	Wisby	30.24	42	N	4	b	30.33	+.07	42	39	+ 5	N	4	b	•	b	•	45	34	-
	Karlstad	30.32	32	W	2	b	30.41	+.11	33	31	+ 1	SW	2	o	•	b	•	•	•	-
	Bodö	29.67	36	WNW	9	o	29.85	+.25	37	34	- 6	WNW	8	o	4	o	•	43	32	-
	Christiansund ...	30.43	44	W	9	r	30.39	+.08	42	39	- 2	W	4	r	4	r	•	45	39	0.04
	Skudesnaes ...	30.58	44	SE	4	bc	30.57	+.06	43	41	- 6	NNE	4	bc	2	r.bc	•	48	43	•
	Færder (X'iania Fjord)	30.36	45	NNW	4	b	30.45	+.12	42	39	- 3	W	2	c	2	b	•	48	41	-
	The Scaw (Skagen)	30.37	47	NNW	2	b	30.47	+.09	40	39	- 6	NNW	1	b	0	b	•	50	39	-
	Fanö	30.48	47	NW	6	c	30.52	-.02	38	37	- 10	NW	1	b	•	c	•	52	37	-
British Islands	Sumburgh Head ...	30.51	46	NW	3	o	30.52	.00	45	43	- 2	W	1	o	3	o	•	47	42	-
	Stornoway	30.66	47	W	o	c	30.52	-.12	47	45	+ 4	WSW	2	o	2	c	2.0	54	39	-
	Wick	30.66	44	NW	2	c	30.54	-.08	45	44	+ 1	NW	2	o	1	c	•	47	40	0.05
	Nairn	30.70	48	W	o	b	30.59	-.07	44	41	+ 2	W	1	o	1	b	•	50	38	-
	Aberdeen	30.70	45	WNW	2	c	30.62	-.06	46	45	o	SW	1	o gm	1	bc.c	2.8	51	44	-
	Leith	30.70	48	W	1	m	30.62	-.07	32	32	- 13	WSW	1	f	•	m.f	•	51	30	-
	Shields	30.69	45	WNW	1	m	30.64	-.06	40	40	+ 5	SW	2	bc.m	2	bc.m	•	49	33	-
	Spurn Head ...	30.69	42	WNW	3	f	30.65	-.04	42	41	+ 5	NW	3	f	2	f	•	47	35	-
	Loughborough ...	30.73	33	NW	1	b	30.71	-.04	29	29	- 5	NW	1	o f	•	om.c.bf	•	46	27	-
	Malin Head ...	30.68	47	SE	1	o gm	30.56	-.12	43	42	- 4	S	3	bcm	2	o gm	•	48	42	-
	Blacksod Pt. ...	30.67	46	ESE	2	bc	30.58	-.07	45	44	+ 8	S	2	bw	1	c.bc	•	49	36	-
	Donaghadee ...	30.70	49	ENE	2	bc	30.61	-.09	46	44	- 4	S	2	o	2	bc	•	50	40	-
	Liverpool (Bidston)	30.71	41	ESE	1	b	30.66	-.06	32	31	- 4	ESE	2	f	?	bm	•	45	31	-
	Holyhead	30.69	44	W	o	c	30.63	-.06	44	43	- 3	SE	1	m	1	c	•	48	41	-
	Parsonstown ...	30.67	41	SE	1	bc	30.59	-.09	41	40	- 5	SE	1	b	x	bc	1.3	48	37	-
	Valencia	30.59	49	ESE	2	b	30.56	-.04	46	44	- 3	ESE	2	b	3	b	7.1	56	45	-
	Roche's Point ...	30.63	51	SE	4	c	30.60	-.04	52	50	o	S	4	bc	3	c	•	53	49	-
	Pembroke (St. Ann's Hd.)	30.66	49	ESE	3	c	30.62	-.03	45	44	+ 2	E	4	em	2	c	6.0	54	?	-
	Scilly	30.56	53	ESE	4	b	?30.57	+.01	50	47	- 2	ESE	5	c	3	c.b	7.5	57	47	-
	Jersey (St. Aubin's) ...	30.63	49	E	3	bm	30.62	-.02	50	45	+ 4	E	3	om	3	bm	•	52	42	-
	Portland Bill ...	30.67	49	E	3	c	30.64	-.02	43	41	- 2	ENE	3	bm	3	c	•	52	41	-
	Dungeness	30.67	49	N	1	c	30.63	-.05	43	42	- 5	N	2	m	2	c	•	55	39	-
	London (Brixton) ...	30.71	47	E	1	o	30.67	-.03	36	35	- 6	S	1	o gf	•	ogm.bcm	0.0	49	33	-
	Oxford	30.72	42	NNE	2	b	30.69	-.03	28	28	- 12	Z	0	f	•	c.b	•	48	28	-
	Yarmouth	30.67	44	WNW	1	b	30.62	-.06	46	45	+ 1	WNW	2	bf	3	b	•	48	40	-
Germany.	Cuxhaven	30.52	48	NW	2	o	30.49	-.08	46	44	- 1	N	3	o	•	o	•	50	45	-
	Berlin	30.44	44	W	2	r	30.46	-.10	44	43	+ 8	NW	2	o	•	r	•	45	36	0.08
	Wiesbaden	•	•	•	•	•	30.54	-.11	41	41	+ 8	N	2	c	•	•	•	45	33	-
	Munich	30.57	32	E	2	c	30.51	-.09	32	31	+ 6	SE	3	o	•	c	•	36	26	-
France & Netherlands.	The Helder ...	30.63	50	NW	1	o	30.58	-.09	48	44	o	NNE	2	o	1	o	•	50	48	-
	Brussels	•	•	•	•	•	30.62	-.09	42	42	+ 8	Z	o	f	•	m	•	44	34	-
	C. Gris Nez ...	30.68	46	E	1	m	30.60	-.09	48	47	+ 9	NNE	4	m	3	m	•	50	37	-
	Paris	30.63	36	NNE	2	b	30.58	-.06	39	38	+ 7	N	2	bc	•	b	•	46	31	-
	Brest	30.57	48	E	1	b	30.57	+.03	38	35	- 2	ENE	2	b	2	b	•	55	34	-
	Lorient	30.55	48	E	4	bc	30.57	+.05	39	38	- 4	ENE	4	b	2	bc	•	55	39	-
	Rochefort	30.46	55	ENE	4	b	30.46	+.01	37	36	- 1	ENE	4	b	•	b	•	54	34	-
	Belfort	30.52	34	ENE	4	b	30.47	-.09	29	28	+ 1	ENE	6	m	•	b	•	39	28	-
	Lyons	30.42	38	N	2	b	30.42	-.06	31	29	- 1	N	3	b	•	b	•	44	30	-
	Nice	30.21	45	E	2	b	30.18	-.08	42	37	o	E	3	b	4	b	•	55	39	-
	Perpignan	30.30	45	X	o	b	30.26	-.06	39	35	- 3	NE	2	b	•	b	•	54	32	-
	Biarritz	30.29	48	E	3	b	30.30	+.02	36	33	- 4	ESE	4	m	2	b	•	52	36	-
Span. Pen.	Corunna																			
	Lisbon	30.25	62	NW	2	b	30.22	-.03	57	56	- 1	NNE	3	b	•	b	•	68	57	-
	Azores (P. Delgada)	29.98	61	SSE	5	o	30.02	+.04	61	59	- 3	W	1	bc	3	o	•	66	59	0.08

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 1.5 hrs.

WEATHER CHARTS

FOR Saturday, 18th November, 1899.

BAROMETER, WIND AND SEA.

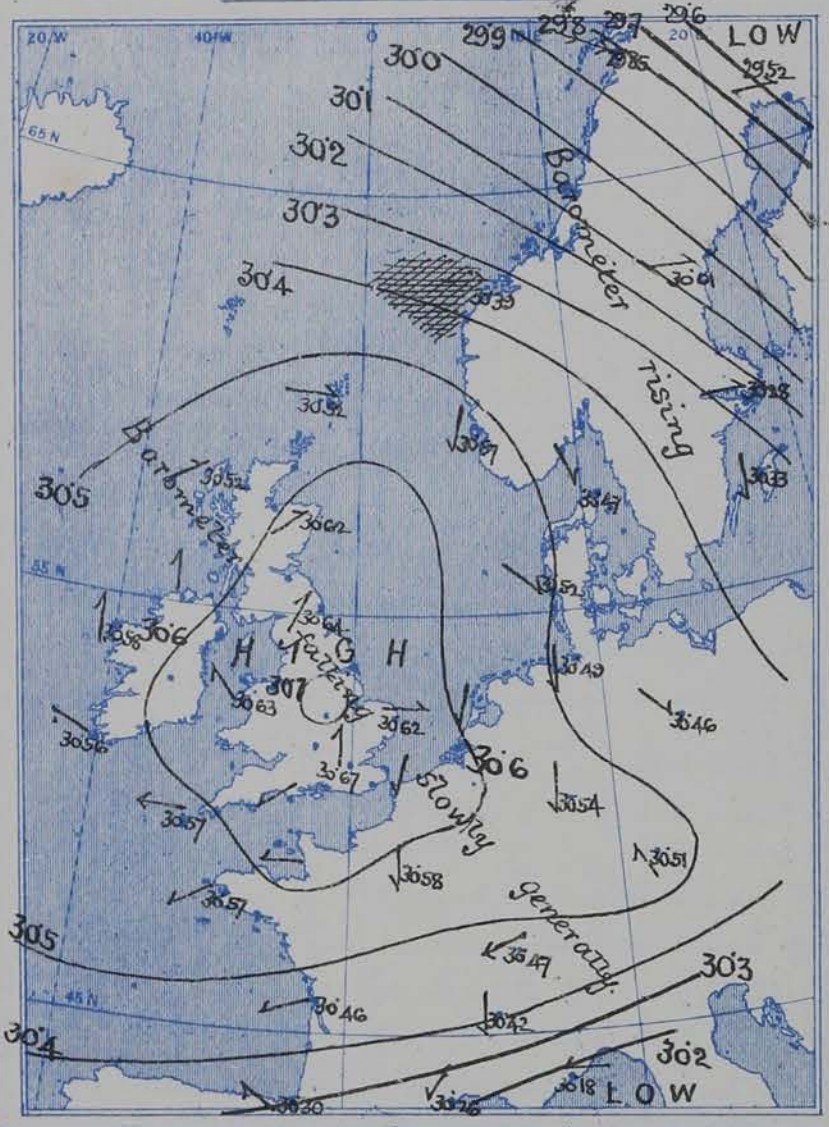
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓

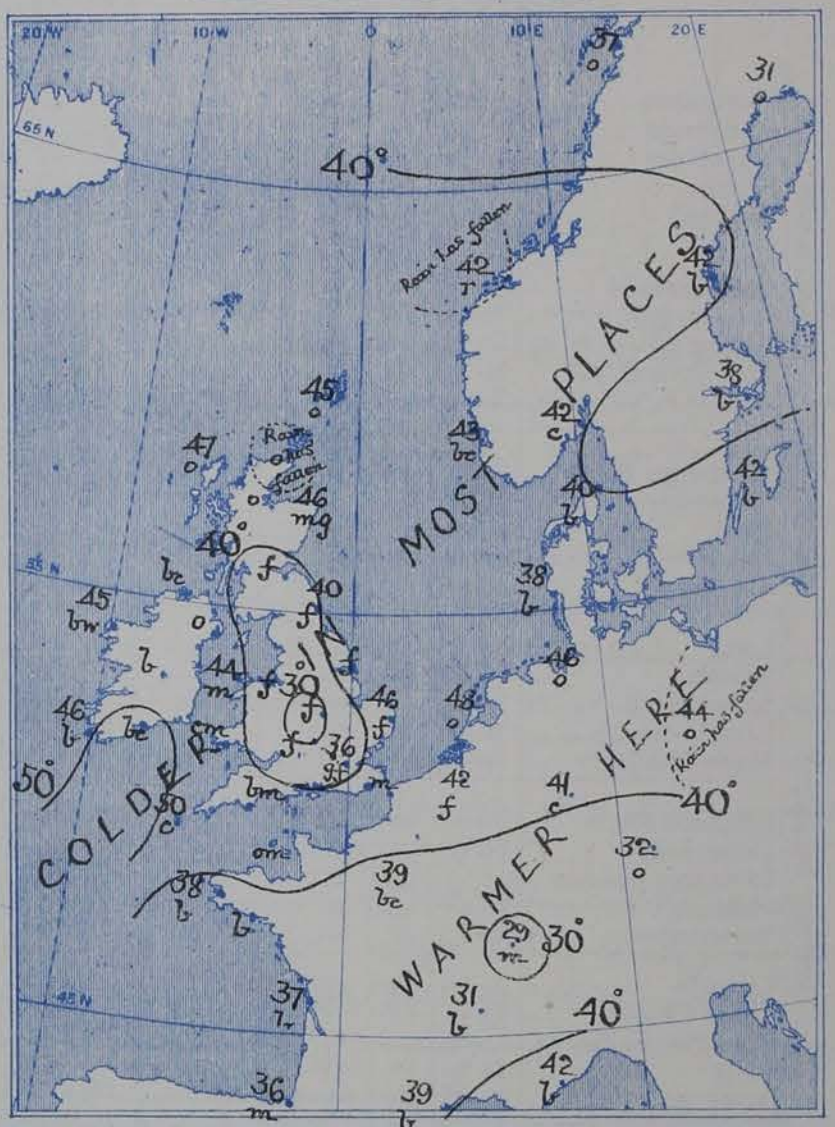


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 30.71 ins. at Loughborough; 30.6 ins. and upwards over the whole of England and the E^rn. parts of Ireland and Scotland; 30.3 ins. and upwards in an anticyclone embracing the whole of W^rn. & central Europe.
Lowest 29.6 ins. and less in a rather deep depression moving E^wds. across Lapland.
Gradients slight generally, but rather steep over the N^rn. parts of Scandinavia.
Barometer falling a little over our Islands and the neighbouring parts of the Continent, rising elsewhere.

TEMPERATURE

Highest (1) 52° at Roche's P^t. 50° at Scilly and Jersey, 48° at the Helder and Cape Gris Nez; (2) 47° at Stornoway, and 46° at Aberdeen.
Lowest (1) 28° at Oxford, 29° at Loughborough, and 32° at Leith and Liverpool; (2) 29° at Belfort, and 31° at Lyons; (3) at Haparanda.
Frost occurred last night at many of our N^rn. and central stations, the lowest readings reported being (1) In the screen 27° at Loughborough, 28° at Oxford, and 30° at Leith; (2) on the grass 22° at Loughborough, and 26° in London.

WIND

Light to moderate from the E^ly. or NE^ly. over France and the south of England, from the SE^ly. or S^ly. in Ireland, and from the SW^ly. in Scotland and the northeast of England.
W^ly. over the northern parts of Scandinavia, with a gale at Bodö; light from the N^ly. or NW^ly. in Denmark, north Germany and the south of Scandinavia.

WEATHER

Foggy over the greater part of England and dull in Scotland, but fine in Ireland.
Fine over the W^rn. parts of the Continent generally, but dull in Germany and also in the W. of Norway, with rain at Christiansund.
Over W^rn. Europe generally the weather remains very dry, the only stations reporting rain, and that in very small quantity, being Christiansund, Wick and Berlin.

SEA

Slight or smooth generally, but high at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is inclined to give way, and there are some indications of the advance of further depressions towards the Norwegian coasts. Over our Islands as a whole no important change in the weather is likely to occur just at present.

FORECASTS

For the 24 hours ending at NOON on 19^TH. NOVEMBER 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^ly. and W^ly. winds, freshening, dull, some rain.
1	SCOTLAND EAST	SW^ly. and W^ly. winds, light, foggy or misty at first, then fair.
2	ENGLAND N.E.	
3	ENGLAND EAST	Light variable airs, fine in places, but mostly foggy or misty.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SE^ly. and S^ly. winds, light, fair generally, but some fog or mist.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E^ly. and SE^ly. winds moderate, fair generally, but some fog or mist.
9	IRELAND NORTH	Same as Nos. 6 and 7.
10	IRELAND SOUTH	Same as No. 8.
	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.	WIND. Force.	WEA.	SEA.
Skudesnaes ..	30·54	46	44	N	4	r	2
Sumburgh Head	30·59	46	41	NW	6	c	4
Stornoway... ...	30·61	54	50	N	2	c	2
Aberdeen	30·70	49	46	NNW	2	bc	1
Shields	30·69	48	45	NW	1	bm	2
Malin Head ...	30·70	48	46	E	2	o	1
Blacksod Pt.. ...	30·67	46	43	ESE	2	bc	2
Holyhead	30·70	48	45	E	1	c	1
Valencia	30·58	55	50	SE	2	b	4
Scilly	30·58	53	52	E	5	c	3
Jersey	30·65	51	45	ESE	4	b	3
Portland Bill ..	30·67	51	47	E	3	b	3
Dungeness ...	30·67	51	48	ESE	2	c	2
London (Westminster)	30·70	51	46	E	1	o gm	*
Yarmouth ...	30·68	47	43	NW	2	b	2
Rochefort ...	30·43	52	46	ENE	4	b	*

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

Weaker in morning fair or fine over W^rn and S^rn Europe as a whole, but dull in places, and foggy at some of our E^rn and central stations, as well as at Brussels and Wiesbaden. Fine in Sweden, but dull over the N^rn, E^rn and central parts of the Continent generally, with rain in the W. of Norway, and snow at S^t Petersburg. No important change occurring over W^rn Europe during day.

Temperature fallen in most places. Morning readings highest 68° at Algiers, 61° at Malta and La Calle, and 59° at Palma; above 55° at several of the Mediterranean and Spanish coast stations. Lowest (1) 26° at Munich, and 28° at Belfort; (2) 27° at Moscow, and 29° at Archangel, at or below the freezing point in many parts of E^rn and central Europe, and very little above it in the N. of England. Daily maxima below 50° in many parts of the United Kingdom and France; but thermometer exceeding that point on the N. and E. coasts of Scotland & in the W. and S. of France, and exceeding 55° on our own extreme SW. coasts; reaching 68° at Lisbon.

Wind light to moderate from the E^wd or NE^wd over the west and south of our Islands, and also over France, Spain and northern Italy. Light from the W. or NW. on our north and east coasts, as well as over the central parts of the Continent generally; W^ly or SW^ly over the northern parts of Russia and Scandinavia, and strong to a gale in the west of Norway. SE^ly in Greece, N^rly or NW^ly over Algeria, Tunis and southern Italy. No important change occurring later.

Barometer highest 30.7 ins. and upwards over the N^rn and central parts of England, and also over Belgium; 30.3 ins. and upwards in an anticyclone embracing the whole of W^rn and central Europe. Lowest 29.6 ins. and less in a rather deep depression passing E^wds across the N. of Norway, 29.8 ins. and less in a smaller disturbance lying to the S. of Italy. No decided change occurring over W^rn Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Sunday 19th November, 1899.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Baron. 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	29.69	28	NW	4	b	29.35	+ .17	34	33	+ 3	SW	2	bc	4	b	4	36	27	—
	Hernösand	30.04	42	W	2	bc	29.73	— .28	44	38	+ 2	SSW	4	o	4	bc	4	45	30	—
	Stockholm	30.25	36	W	2	b	30.00	— .28	36	35	— 2	WSW	2	o	4	b	4	41	32	—
	Wisby	30.34	42	NNW	6	b	30.10	— .23	38	37	— 4	W	6	o	4	b	4	43	37	—
	Karlstad	30.32	32	Z	0	b	30.03	— .38	35	34	+ 2	W	2	bc	4	b	4	4	4	—
	Bodö	29.48	38	WSW	6	r	29.33	— .52	39	38	+ 2	W	6	o	3	r	4	39	34	0.32
	Christiansund ...	30.21	44	W	6	c	29.86	— .55	45	42	+ 3	W	9	r	7	c	4	45	42	0.35
	Skudesnaes ...	30.45	43	Z	0	o	30.17	— .40	47	45	+ 4	W	2	o	2	o	4	48	48	4
	Færder (X'iania Fjord)	30.33	42	WSW	1	b	30.06	— .39	42	39	0	WSW	4	b	2	b	4	43	37	—
	The Scaw (Skagen)	30.35	41	W	1	b	30.16	— .31	45	41	+ 5	WNW	4	c	1	b	4	46	37	—
	Fanö	30.49	45	NW	4	c	30.36	— .16	45	43	+ 7	W	4	c	4	c	4	48	37	—
British Islands	Sumburgh Head ...	30.35	47	W	2	o	30.00	— .52	51	51	+ 6	W	3	o	4	o	4	51	49	0.06
	Stornoway	30.37	49	SW	3	o	30.12	— .40	51	50	+ 4	WSW	3	r	3	o	0.0	51	44	0.10
	Wick	30.38	45	SW	3	o	30.10	— .44	48	47	+ 3	SW	2	o	1	o	4	49	42	0.11
	Nairn	30.44	44	W	1	o	30.20	— .39	50	48	+ 6	W	1	c	1	o	4	50	41	—
	Aberdeen	30.46	38	SSW	1	b	30.24	— .38	43	41	— 3	S	1	cmw	1	c, bw	0.5	48	34	—
	Leith	30.51	47	SW	2	o	30.33	— .29	47	44	+ 15	SW	2	o	4	o	4	47	31	—
	Shields	30.55	34	SW	2	f	30.35	— .29	42	41	+ 2	WSW	3	cm	2	f	4	42	33	—
	Spurn Head ...	30.58	39	SW	2	f	30.42	— .23	40	38	— 2	WSW	3	c	2	f	4	44	34	—
	Loughborough ...	30.64	36	W	1	f	30.51	— .20	27	27	— 2	SE	1	of	4	of	4	32	24	—
	Malin Head ...	30.49	45	SW	2	bm	30.38	— .23	49	47	+ 6	SW	3	cq	2	bm	4	49	42	—
	Blacksod Pt. ...	30.52	51	SSW	3	o	30.39	— .19	51	49	+ 6	SSW	4	o	3	c, o	4	51	49	—
	Donaghadee ...	30.54	46	WSW	2	bc	30.41	— .20	42	42	— 4	WSW	4	oq	3	bc	4	51	36	—
	Liverpool (Bidston)	30.60	37	SE	1	b	30.46	— .20	42	40	+ 10	SE	2	o	1	f, b	4	42	31	—
	Holyhead	30.67	46	S	1	o	30.46	— .17	48	45	+ 4	WSW	1	c	1	o, cm	4	48	43	—
	Parsonstown ...	30.54	44	SE	1	b	30.47	— .12	31	30	— 10	S	1	c	4	b	7.0	53	30	—
	Valencia	30.51	49	SE	3	b	30.45	— .11	49	46	+ 3	S	1	oq	2	br, b	7.2	56	45	—
	Roche's Point ...	30.56	51	SSE	3	bc	30.47	— .13	51	48	— 1	NNW	2	o	3	bc	4	56	48	—
	Pembroke (St. Ann's Hd.)	30.57	47	E	3	o	30.48	— .14	45	45	0	E	2	cm	2	o	0.0	47	43	—
	Scilly	30.53	51	ESE	2	c	30.46	— .11	51	47	+ 1	ESE	2	c	2	c	1.1	56	46	—
	Jersey (St. Aubin's) ...	30.54	49	ENE	2	o	30.45	— .17	48	45	— 2	ESE	3	cm	3	o, cm	4	52	43	—
	Portland Bill ...	30.60	43	ENE	3	b	30.50	— .14	42	41	— 1	ENE	3	cm	2	cm, b	4	47	40	—
	Dungeness	30.55	49	NE	3	m	30.47	— .16	45	45	+ 2	NE	2	r	2	m	4	50	46	0.01
	London (Brixton) ...	30.62	46	E	1	og	30.51	— .16	44	41	+ 8	SE	1	ogm	4	ogf, o, b	0.0	47	36	—
	Oxford	30.60	32	Z	0	f	30.52	— .17	25	25	— 3	Z	0	f	4	e, f	4	43	25	—
	Yarmouth	30.58	47	NE	3	e	30.46	— .16	44	43	— 2	WNW	1	of	2	c	4	48	43	—
Germany	Cuxhaven	30.52	45	N	1	b	30.41	— .08	45	43	— 1	W	1	o	4	b	4	50	43	—
	Berlin	30.53	44	W	2	o	30.47	+ .01	33	32	— 11	SW	1	f	4	o	4	45	33	—
	Wiesbaden	4	4	4	4	4	30.43	— .11	38	36	— 3	NE	3	bc	4	4	4	48	37	—
	Munich	30.49	33	E	4	o	30.36	— .15	32	32	0	E	4	o	4	o	4	36	30	—
France & Netherlands.	The Helder ...	30.55	48	NE	1	o	30.45	— .15	45	44	— 3	NW	1	o	0	o	4	48	45	—
	Brussels	4	4	4	4	4	30.48	— .14	41	39	— 1	NE	1	o	4	o	4	48	40	—
	C. Gris Nez ...	30.54	46	ESE	1	r	30.47	— .13	43	41	— 5	ESE	1	m	0	r	4	52	39	0.08
	Paris	30.49	44	WSW	1	b	30.42	— .16	35	33	— 4	NE	2	b	4	b	4	48	34	—
	Brest	30.52	46	E	2	c	30.41	— .16	48	47	+ 10	ESE	1	o	1	c	4	50	34	—
	Lorient	30.49	45	E	5	b	30.41	— .16	45	45	+ 6	NE	3	c	2	b	4	50	37	—
	Rochefort	30.39	46	ENE	3	b	30.33	— .13	39	37	+ 2	ENE	4	o	4	b	4	50	34	—
	Belfort	30.36	39	ENE	6	b	30.34	— .13	33	33	+ 4	ENE	2	f	4	b	4	44	29	—
	Lyons	30.32	39	N	2	b	30.37	— .05	30	30	— 1	NNW	1	f	4	b	4	44	4	—
	Nice	30.19	44	E	2	b	30.19	+ .01	45	36	+ 3	E	1	b	2	b	4	55	41	—
	Perpignan	30.23	48	NW	3	b	30.28	+ .02	35	33	— 4	SW	2	b	4	b	4	59	33	—
	Biarritz	30.25	51	WNW	2	b	30.25	— .05	42	40	+ 6	ENE	1	b	2	b	4	53	35	—
Span. Pen.	Corunna	30.21	64	NE	1	b	30.19	— .07	45	43	— 4	NE	1	b	3	b	4	64	41	—
	Lisbon	30.17	58	N	4	b	30.16	— .06	52	47	— 5	NNE	3	b	4	b	4	66	50	—
	Azores (P. Delgada)	30.09	60	WSW	2	b	30.07	+ .05	67	55	— 4	Z	0	bc	2	b	4	64	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·0 *hrs.*

WEATHER CHARTS

FOR Sunday, 19th November, 1899.

BAROMETER, WIND AND SEA.

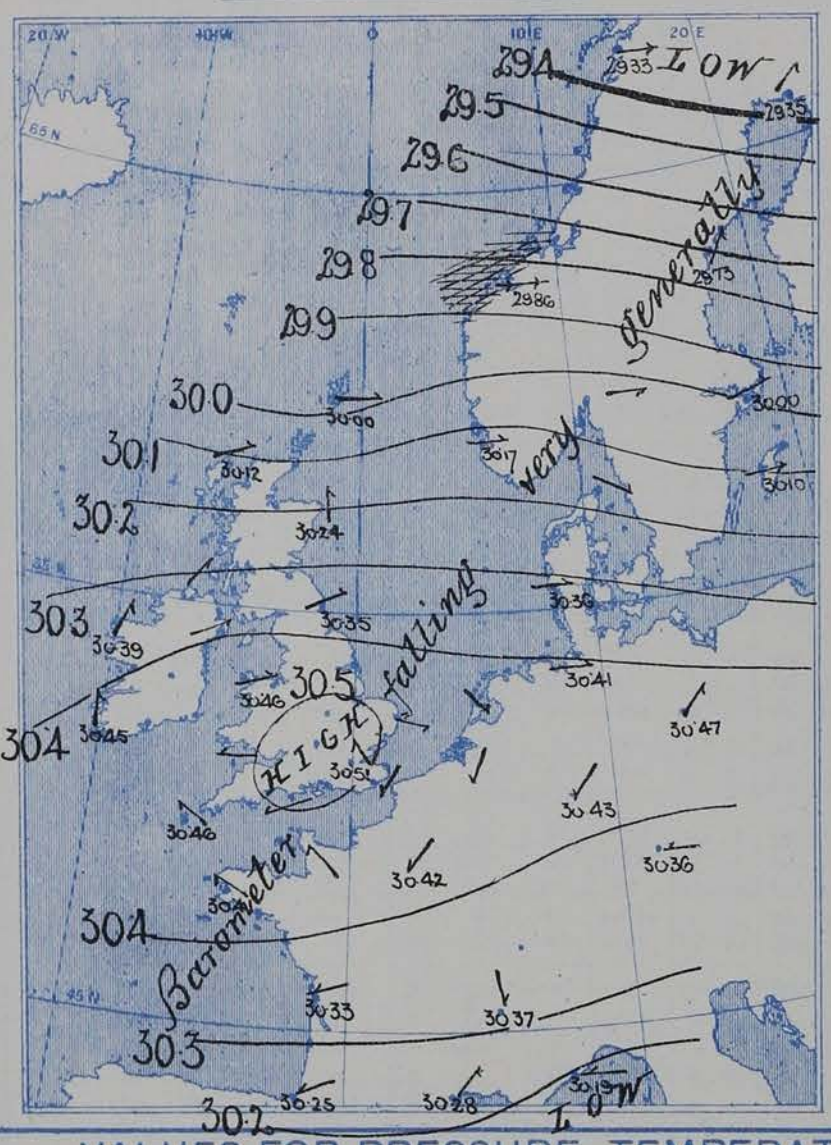
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ➤⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓



TEMPERATURE AND 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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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, 30·5 ins: and upwards over Central and southern England; 30·2 ins: and upwards in an anticyclone covering the greater part of Western Central Europe.
Lowest, 29·4 ins: and less. in a depression over the north of Scandinavia.
Gradients slight generally, but rather steep over the northern parts of Scandinavia.
Barometer falling generally,— briskly in the west of Norway.

TEMPERATURE

Highest, (1) 52° at Lisbon; (2) 51° at Scarborough, Holyhead, Blackpool Point, Valencia (Ireland) and Scilly.
Lowest, (1) 25° at Oxford, 27° at Loughborough, and 31° at Parsonstown; (2) 30° at Lyons and 32° at Munich; (3) 34° at Haparanda.
Sharp frost occurred last night over Central England, the lowest readings reported being (1) In the screen 24° at Loughborough and 25° at Oxford; (2) On the grass 20° at Oxford.

WIND

SW^{1} or W^{2} over the northern parts of our Islands and also over Scandinavia, Denmark and North Germany, light or moderate in force generally, but blowing a gale at Christiansund.
Light from the E^{ad} or NE^{ed} over the English Channel, France, South Germany, and the Spanish Peninsula.

WEATHER

Cloudy or dull over the United Kingdom, the Netherlands, Scandinavia, Denmark, and North Germany, with fog over the Eastern and central parts of England, and rain at Christiansund.
Fine over the central and southern parts of France generally, but foggy at Belfort and Lyons.
Rain fell yesterday in the north of Scotland and the west of Norway, but in nearly all other parts of our area the weather remained dry.

SEA

Light or smooth generally, but high at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 20TH NOVEMBER 1899.

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	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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·55	46	43	N	4	o	1
Sumburgh Head	30·41	47	46	W	2	o	3
Stornoway	30·42	49	46	WSW	3	o	3
Aberdeen	30·51	46	43	SSE	2	c	2
Shields	30·60	40	40	SW	1	f	2
Malin Head ...	30·50	49	47	SW	2	b	1
Blacksod Pt.. ...	30·53	50	48	SSW	3	c	2
Holyhead	30·59	48	45	SW	1	o	1
Valencia	30·51	56	50	SSE	3	bv	4
Scilly	30·55	52	48	ESE	4	c	3
Jersey	30·59	49	45	E	3	o	3
Portland Bill ...	30·61	47	45	E	3	cm	2
Dungeness ...	30·57	47	46	ENE	2	m	2
London (Westminster)	30·61	49	45	E	1	omg	*
Yarmouth ...	30·59	48	46	NE	3	c	3
Rochefort ...	30·42	46	44	ENE	4	b	*

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

Weather in morning foggy over the greater part of England, and dull in Scotland, but fine in Ireland. Fine over the western parts of the Continent generally, as well as in Sweden, Spain, and Southern Italy, cloudy or dull over the northern, eastern, and central countries as a whole, with rain at Christiansund and snow at Moscow. Rain falling later in the north of Scotland and the west of Norway; no important change occurring elsewhere.

Temperature fallen in England and Ireland and also on the eastern shores of the North Sea, changed rather irregularly elsewhere. Morning readings highest 58° at Oporto, 57° at Lisbon and 56° at Oran; above 50° at the Mediterranean and Spanish coast stations generally. Lowest (1) 4° at Haparanda; (2) 29° at Belfast and 31° at Lyons; (3) 28° at Oxford and 29° at Loughborough. Daily maxima below 45° at several of the English and French stations, thermometer at Loughborough not exceeding 32°. Exceeding 55° on our own extreme southwest coast and also in the south of France and reaching 66° at Lisbon. Sharp frost occurring over Central England at night.

Wind E. to NE. over the English Channel, France, Spain, and the northern parts of Italy and the Adriatic; light or moderate in force generally, but strong at Shields and Pesaro. Light from the SE.ward or S.ward in Ireland, and from the SW.ward in Scotland; W. over the northern parts of Scandinavia – with a gale at Bodö, NW. over Denmark, Germany, Russia, and the south of Scandinavia – variable over southern Italy. No decided change over Western Europe later.

Barometer highest 30·6 in. to 30·7 in. over England and the neighbouring parts of Ireland, Scotland, and France; 30·3 in. and upwards in an anticyclone covering the whole of western and southern Europe. Lowest 29·6 in. and less in a depression over the extreme northern parts of Russia and Scandinavia; 30·0 in. and less, in a shallow disturbance over Central and southern Italy and the neighbouring parts of the Mediterranean. Anticyclone giving away gradually during day, but general distribution of pressure remaining unchanged

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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.

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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 Monday, 20th November, 1899.

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	29.33	29	NW	2	bc	29.23	-.12	20	19	- 14	N	4	0	*	bc	*	36	?	-
	Hernösand	29.39	42	SW	2	0	29.35	-.38	31	27	- 13	N	6	b	*	0	*	45	31	-
	Stockholm	29.67	37	2	0	b	29.45	-.55	34	33	- 2	NW	6	8	*	b	*	39	32	0.08
	Wisby	29.83	43	NNW	6	b	29.43	-.67	45	44	+ 7	W	8	b	*	b	*	45	34	-
	Karlstad	29.70	44	W	2	b	29.64	-.39	36	33	+ 1	W	2	bc	*	b	*	*	*	-
	Bodö	29.34	32	W	4	0	29.43	+.10	31	29	- 8	NW	4	bc	2	0	*	39	27	-
	Christiansund ...	29.50	43	W	8	r	29.85	-.01	31	29	- 14	NW	4	8	6	r	*	46	30	0.28
	Skudesnaes ...	29.87	49	W	7	r	29.98	-.19	36	33	- 11	NNW	8	c	4	0.r	*	49	37	*
	Færder (X'iania Fjord)	29.77	47	WSW	6	0	29.69	-.37	42	35	0	NW	4	8	3	0	*	46	41	-
	The Scaw (Skagen)	29.88	48	WNW	4	0	29.70	-.46	46	41	+ 1	NW	4	c	1	0	*	48	45	-
	Fanö	30.08	47	W	5	0	29.92	-.44	47	45	+ 2	NW	4	c	*	0	*	50	43	-
	Sumburgh Head ...	29.86	48	W	4	0	30.26	+.26	34	32	- 17	N	3	0	4	r.0	*	51	33	0.21
	Stornoway	30.07	51	NW	3	bc	30.33	+.21	42	41	- 9	NE	2	0	2	d,bc	0.0	52	39	0.30
	Wick	29.97	52	SW	2	0	30.32	+.22	38	36	- 10	NW	2	0	1	0	*	52	36	0.15
	Nairn	30.04	52	WSW	3	0	30.34	+.14	41	39	- 9	E	2	0	1	0	*	52	39	0.03
	Aberdeen	30.05	47	SW	2	c	30.31	+.07	40	38	- 3	NW	3	0g	4	r.c.r	0.0	52	40	0.09
British Islands	Leith	30.17	47	WSW	3	0	30.26	-.07	48	47	+ 1	NE	2	rm	*	0	*	52	46	-
	Shields	30.20	48	WSW	4	c	30.21	-.14	48	46	+ 6	NW	4	cm	2	p.c.r	*	51	40	0.01
	Spurn Head ...	30.27	40	WSW	3	m	30.18	-.24	48	47	+ 8	NW	5	cm	2	m	*	?51	39	-
	Loughborough ...	30.37	38	SW	1	bc	30.25	-.26	46	45	+ 19	W	2	om	*	f.c.bc.o	*	46	27	-
	Malin Head ...	30.24	50	WSW	5	f	30.31	-.02	50	49	+ 1	NNW	3	cg	2	of	*	51	49	0.02
	Blacksod Pt. ...	30.35	52	WSW	4	0	30.36	-.03	51	50	0	NNW	1	c	1	c.p	*	53	48	0.04
	Donaghadee ...	30.30	46	SW	2	bc	30.28	-.13	50	50	+ 8	NNW	2	bc	2	bc	*	50	42	0.02
	Liverpool (Bidston)	30.35	47	WSW	3	0	30.26	-.20	48	48	+ 6	W	3	0	3	om	*	50	40	0.02
	Holyhead	30.37	49	NW	2	c	30.29	-.17	51	50	+ 3	NNW	3	0	2	c	*	51	45	-
	Parsonstown ...	30.40	45	SE	1	0	30.36	-.11	45	45	+ 14	WNW	1	0	*	c.0	1.9	48	30	0.02
	Valencia	30.43	50	2	0	0g	30.42	-.03	51	50	+ 2	NNW	2	0gm	3	0g	0.0	53	46	-
	Roche's Point ...	30.43	50	WNW	1	0	30.38	-.09	52	50	+ 1	N	2	c	3	0	*	53	47	-
	Pembroke (St. Ann's Hd.)	30.43	50	S	1	0	30.34	-.14	52	51	+ 7	NW	3	cg	2	0	0.0	52	44	-
	Scilly	30.39	50	NNE	1	c	30.36	-.10	52	48	+ 1	N	3	c	1	bc,c	5.1	56	47	-
	Jersey (St-Aubin's) ...	30.38	47	ENE	2	om	30.34	-.11	48	45	0	NW	1	om	1	0	*	48	45	-
	Portland Bill ...	30.42	42	N	1	bm	30.32	-.18	48	45	+ 6	NNW	3	c	3	bm	*	49	38	-
	Dungeness	30.37	45	NE	1	0	30.26	-.21	42	41	- 3	NW	1	0	1	0	*	50	38	0.02
	London (Brixton) ...	30.36	40	W	1	bm	30.28	-.23	40	39	- 4	WNW	1	0gm	*	gm.bm	0.0	46	34	-
	Oxford	30.39	34	W	1	0	30.29	-.23	40	39	+ 15	SW	2	0g	*	of	*	42	25	-
	Yarmouth	30.31	41	W	2	b	30.17	-.29	43	42	- 1	W	3	f	3	bc.bm	*	46	35	0.01
France & Netherlands. Germany.	Cuxhaven	30.26	45	SW	3	0	29.97	-.44	45	45	0	WSW	6	m	*	0	*	46	43	-
	Berlin	30.31	35	2	0	0	30.07	-.40	37	36	+ 4	SW	3	0	*	0	*	45	33	-
	Wiesbaden	*	*	*	*	*	30.24	-.19	37	36	- 1	ENE	2	0	*	*	*	45	30	-
	Munich	30.29	34	W	4	0	30.21	-.15	32	31	0	SW	4	0	*	0	*	36	30	-
	The Helder ...	30.29	48	W	2	0	30.10	-.45	50	49	+ 5	NNW	3	0	2	0	*	50	45	-
	Brussels	*	*	*	*	*	30.24	-.24	39	38	- 2	SW	2	0	*	0	*	44	38	-
	C. Gris Nez ...	30.39	45	2	0	b	30.25	-.22	47	45	+ 4	NW	4	0	3	b	*	52	41	-
	Paris	30.35	36	NE	2	b	30.32	-.10	32	32	- 3	NW	1	0	*	b	*	47	27	-
	Brest	30.37	49	NE	1	0	30.37	-.04	47	46	- 1	NE	1	0	1	0	*	52	43	-
Span. Pen.	Lorient																*			
	Rochefort	30.33	39	ENE	4	0	30.39	.00	37	37	- 2	ENE	3	0	*	bc.0	*	46	34	-
	Belfort	30.29	35	E	1	m	30.25	-.09	33	31	0	NNW	1	m	*	m	*	?	33	-
	Lyons	30.31	35	NW	1	b	30.29	-.08	35	33	+ 5	N	1	0	*	b	*	41	30	-
	Nice	30.08	48	E	1	b	29.99	-.20	49	39	+ 4	E	4	b	2	b	*	57	43	-
	Perpignan	30.19	43	W	2	b	30.12	-.16	48	41	+ 13	NW	4	b	*	b	*	54	35	-
	Biarritz	30.20	47	NE	3	0	30.22	-.03	44	41	+ 2	ESE	3	0	2	0	*	50	41	-
	Corunna																*			
	Lisbon	30.15	55	NNW	3	b	30.24	+.08	49	46	- 3	NNE	4	bc	*	b	*	61	48	-
	Azores (P. Delgada)	29.93	69	SSE	5	r	29.84	-.23	65	64	+ 8	SSE	6	0	6	r	*	66	57	0.71

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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0.0 hrs.

WEATHER CHARTS

FOR Monday, 20th November, 1899.

BAROMETER, WIND AND SEA.

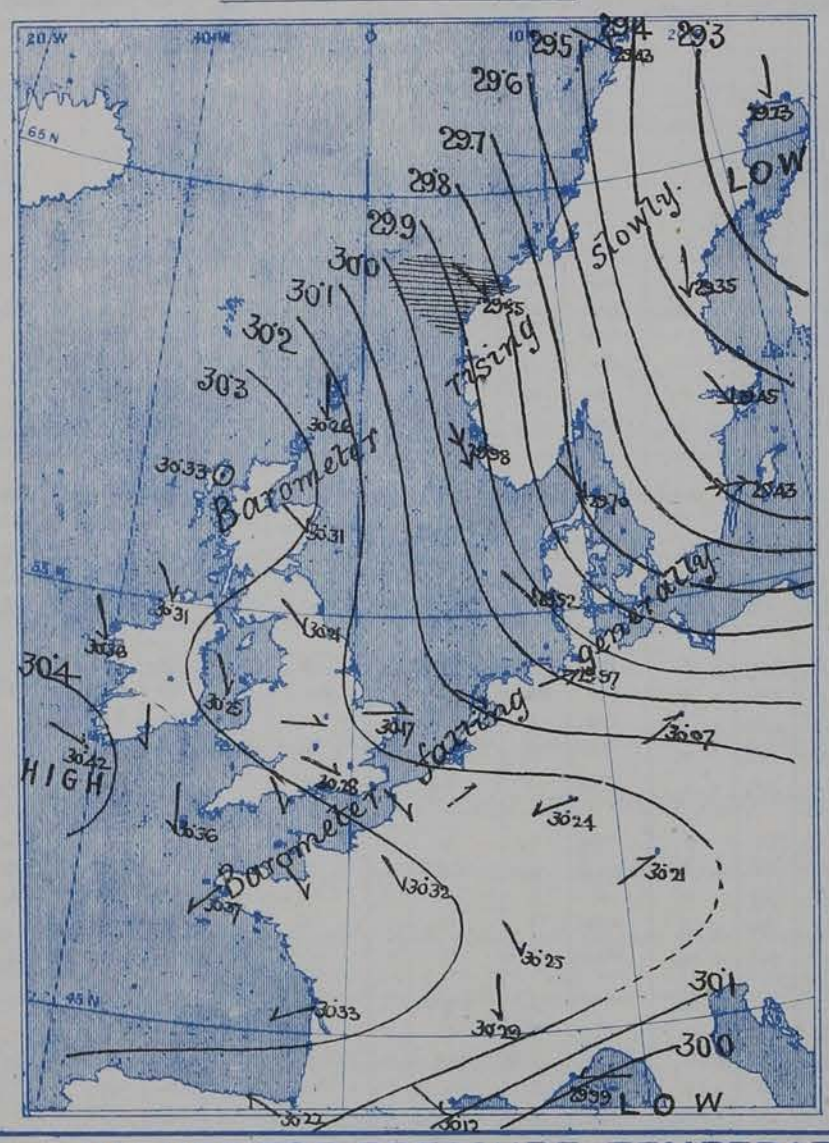
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓

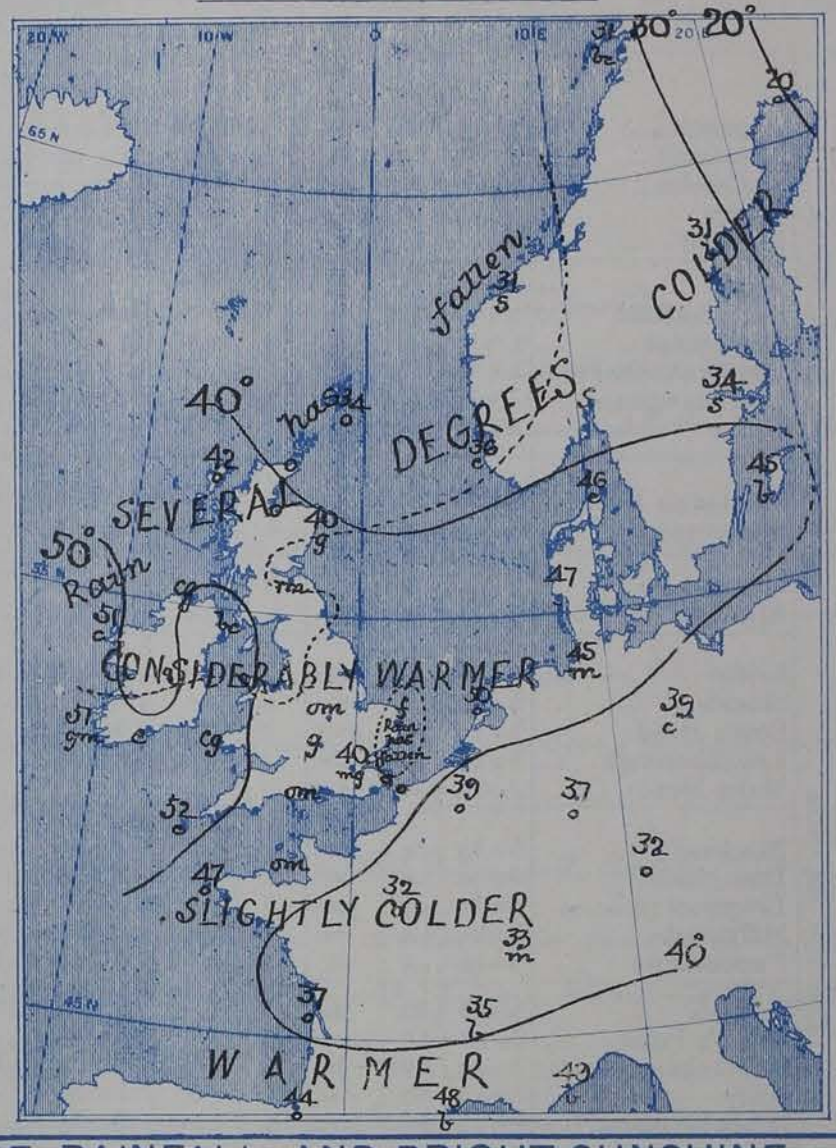


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 ins: and upwards over the southeast of Ireland and the adjacent part of the Atlantic.
Lowest, 29·3 ins: and less, over the Gulf of Bothnia.
Gradients slight generally, but rather steep over some parts of Scandinavia and Denmark.
Barometer rising in Scotland and Norway, but falling in most other parts of our area.

TEMPERATURE

Highest, 52° at Rocket Point, Pembroke and Scilly, and 51° at Blackrod Point, Holyhead, and Valencia (Ireland).
Lowest, (1) 20° at Haparanda, 31° at Bodö, Hernösand, and Christiansund, and 34° at Stockholm and Lerwick; (2) 32° at Paris and Munich.
The maxima registered yesterday over the eastern, central, and southern parts of England were mostly below 50°; at Oxford the thermometer did not exceed 42°.

WIND

Light from the NW. or N. over the greater part of our Islands and also in the north of France; strong from the same quarters in Scandinavia, with a gale at Skudenaes and Wick.
W. or SW. over Central England, and also over the Netherlands and Germany; E. or NE. over the south of France.

WEATHER

Dull over Western Europe generally with fog or mist at several of the English stations, and rain at Leith; snow is falling at Christiansund and Stockholm, but at most of the other Scandinavian stations the weather is fine. Fine also in the extreme south of France.
Since yesterday morning rain has fallen over the northern parts of our Islands generally, but the quantity has been mostly slight.

SEA

Slight or smooth generally, but rough at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression noticed yesterday over the north of Scandinavia has travelled away to the eastward, but in its rear some small secondary disturbances have been developed over England and the North Sea. These are now moving southwards, and slight rain is, therefore, probable in many parts of England, followed by a shift of wind to the N. and colder weather.

FORECASTS

For the 24 hours ending at NOON on 21st Nov.r 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N. winds, light or moderate; cold, cloudy, probably some showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W. to N. winds, light; cloudy, some rain, mild at first, colder later.
6	SCOTLAND WEST	N. winds, light, cloudy, some showers, colder.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NW. to N. winds, light or moderate; cloudy, some showers, colder.
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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·06	49	47	W	6	O	3
Sumburgh Head	29.85	50	50	W	4	r	4
Stornoway... ...	30·03	52	52	WSW	4	d	4
Aberdeen							
Shields							
Malin Head ...	30·27	51	49	WSW	5	O	3
Blacksod Pt.. ...	30·37	53	51	WSW	4	c	3
Holyhead							
Valencia							
Scilly	30.41	52	47	ME	1	bc	2
Jersey	30.43	47	44	E	3	O	3
Portland Bill ...							
Dungeness ...	30.41	46	45	ME	1	O	1
London (Westminster)							*
Yarmouth ...	30·38	45	43	WSW	2	bc	2
Rochefort ...	30·33	45	43	ENE	4	bc	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 12TH TO THE 18TH NOV.

At the commencement of the week the weather over western and southern Europe was influenced mainly by an anticyclone having its central area over France, the wind in our Islands being from the W. or SW., and the weather temporarily fair. In the northern and eastern countries the conditions were affected by a depression which had previously crossed Scandinavia, and which afterwards moved on to Central Russia. On the 13th a new disturbance skirted the extreme northwest and north of our Islands in a northeasterly direction, and afterwards passed along the Norwegian coast, the anticyclone having in the meantime moved eastwards and thrown out a long arm across the Baltic, Sweden and Finland. On the night of the 13th a more important depression of an elongated form advanced eastwards directly over Ireland and Scotland, and occasioned further rains in the west and north of our Islands, the wind in its rear shifting to the N.W., and blowing a gale in the west of [illegible] Ireland.

On the 14th the depression moved a little further to the eastwards and entirely dispersed, while an anticyclone spread quickly from the W. over our Islands and eventually over the whole of western and central Europe. Fine dry weather now became general in these regions, but with a good deal of fog or mist in our Islands and sharp night frosts in the northern and central districts. In the northern countries the weather was affected by large depressions moving across the extreme north of Scandinavia and Russia, the wind being often strong to a gale from the W. (SW to NW) with falls of rain or snow.

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 Tuesday 21st November, 1899.

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	29·51	14	N	4	b	29·50	+·17	10	9	— 10	W	2	bc	0	b	0	27	?	—
	Hernösand	29·82	27	NW	6	b	29·76	+·41	26	24	— 5	SW	1	c	0	b	0	43	23	—
	Stockholm	29·84	28	NW	4	b	30·01	+·56	26	22	— 8	WSW	2	b	0	b	0	37	26	—
	Wisby	29·84	34	N	9	bc	30·09	+·66	33	32	— 12	NW	6	b	0	bc	0	46	32	—
	Karlstad	30·02	31	NW	2	b	30·01	+·37	32	31	— 4	WSW	4	b	0	b	0	*	*	—
	Bodö	29·78	28	N	5	s	29·25	−·18	31	29	0	SSW	5	o	2	s	0	32	25	—
	Christiansund ...	30·08	37	NW	5	s	29·53	−·32	40	36	+ 9	WSW	4	o	6	s	0	40	28	0·35
	Skudesnaes ...	30·27	35	NNE	2	bc	30·02	+·04	41	40	+ 5	S	6	r	4	s, bc	0	41	38	0
	Færder (X'iania Fjord)	30·10	37	NW	6	b	30·01	+·32	38	34	— 4	WSW	5	c	2	b	0	41	34	—
	The Scaw (Skagen)	30·15	40	NNE	4	b	30·12	+·42	38	33	— 8	WNW	3	c	0	b	0	48	32	—
	Fanö	30·27	34	E	0	b	30·28	+·36	41	37	— 6	W	2	c	0	b	0	47	32	—
British Islands	Sumburgh Head ...	30·29	34	WNW	1	0	29·82	−·44	48	47	+ 14	WNW	4	o	4	c, o	0	48	34	0·30
	Stornoway	30·31	42	E	0	0	30·14	−·19	50	49	+ 8	NW	4	r	4	c, o	3·5	50	39	0·20
	Wick	30·27	37	NW	3	0	30·03	−·29	50	50	+ 12	NW	4	o	3	o	0	51	36	0·06
	Nairn	30·37	38	E	0	0	30·15	−·19	48	46	+ 7	W	2	bc	1	o	0	49	35	0·09
	Aberdeen	30·40	38	NW	1	cg	30·15	−·16	45	43	+ 5	SW	2	bcm	2	cg, r	0·4	47	36	0·03
	Leith	30·41	44	E	0	0	30·25	−·01	47	46	— 1	WSW	3	cm	*	o	0	48	39	0·02
	Shields	30·39	44	NNE	1	0	30·28	+·07	45	45	— 3	SW	3	o	3	dp, o, r	0	48	40	0·05
	Spurn Head ...	30·34	46	NNE	5	c	30·36	+·18	44	41	— 4	WSW	4	c	4	c	0	49	41	—
	Loughborough ...	30·39	45	NE	3	0	30·43	+·18	41	40	— 5	SW	1	o	0	d, c, r, c, o	0	52	35	0·07
	Malin Head ...	30·38	49	N	1	bc	30·34	+·03	49	48	— 1	WNW	4	op	3	o, bc	0	50	46	0·01
	Blacksod Pt. ...	30·40	51	NW	1	c	30·42	+·06	46	46	— 5	NW	2	bcp	0	b, c	0	52	45	0·01
	Donaghadee ...	30·36	48	NNW	2	c	30·38	+·10	41	41	— 9	S	2	bc	2	c	0	53	40	—
	Liverpool (Bidston)	30·38	46	ENE	3	o	30·41	+·15	46	45	— 2	SSW	2	o	2	o	0	50	43	0·01
	Holyhead	30·36	51	NE	1	o	30·41	+·12	50	48	— 1	WNW	2	o	1	c, o	0	52	47	—
	Parsonstown ...	30·41	48	NW	1	o	30·45	+·09	45	45	0	SW	1	om	*	o	0·0	50	45	0·02
	Valencia	30·42	47	E	0	c	30·49	+·05	46	45	— 5	E	0	cm	2	bv, c	1·2	53	43	—
	Roche's Point ...	30·40	51	NNW	3	c	30·46	+·08	52	50	0	N	1	o	2	c	0	52	47	—
	Pembroke (St. Ann's Hd.)	30·37	51	NE	2	o	30·44	+·10	51	50	— 1	E	2	og	2	o	0·6	54	50	0·03
	Scilly	30·36	53	NW	3	op	30·43	+·07	53	51	+ 1	N	1	c	1	o, op	0·6	56	48	0·03
	Jersey (St. Aubin's) ...	30·33	51	NNW	1	om	30·45	+·11	51	49	+ 3	ENE	2	cm	2	om, p	0	52	47	0·01
	Portland Bill	30·35	50	NNE	2	om	30·47	+·15	47	45	— 1	ESE	3	o	2	om	0	52	45	—
	Dungeness	30·29	45	N	1	f	30·43	+·17	36	36	— 6	NNE	3	c	3	m, f	0	50	35	—
	London (Brixton) ...	30·32	49	E	2	o	30·46	+·18	35	35	— 5	SSW	1	bcm		og, m, b	0·0	50	33	—
	Oxford	30·40	46	N	1	o	30·47	+·18	41	40	+ 1	SW	1	o	0	d, o	0	48	39	—
	Yarmouth	30·30	46	NNE	5	c	30·39	+·22	40	38	— 3	W	3	cf	3	r, c	0	50	36	0·02
Germany	Cuxhaven	30·15	42	N	6	o	30·34	+·37	35	33	— 10	SW	2	b	0	a	0	50	32	—
	Berlin	30·05	42	W	3	c	30·37	+·30	31	29	— 6	NW	2	c	0	c	0	43	30	0·04
	Wiesbaden	*	*	*	*	*	30·42	+·18	37	33	0	N	3	b	0	*	0	41	37	—
	Munich	30·22	33	W	4	o	30·35	+·14	32	32	0	W	4	r	0	o	0	34	32	0·08
France & Netherlands.	The Helder ...	30·28	45	NNE	3	bc	30·37	+·27	43	40	— 7	WSW	1	o	1	bc	0	52	41	0·04
	Brussels	*	*	*	*	*	30·45	+·21	41	36	+ 2	N	1	o	0	r	0	46	38	0·04
	C. Gris Nez ...	30·29	50	NE	2	r	30·43	+·18	41	39	— 6	SE	1	o	1	r	0	52	39	0·16
	Paris	30·30	41	SSE	2	o	30·42	+·10	39	39	+ 7	NE	2	b	0	o	0	41	32	—
	Brest	30·36	49	N	1	o	30·40	+·03	50	39	+ 3	NNE	1	o	1	o	0	52	43	—
	Lorient	30·35	49	E	0	o	30·42		49	46		E	1	o	1	o	0	50	39	—
	Rochefort	30·28	44	ENE	3	o	30·37	+·04	45	41	+ 8	NE	3	o	0	o	0	45	37	—
	Belfort	30·28	33	E	0	m	30·35	+·10	34	33	+ 1	E	1	m	0	m	0	36	33	—
	Lyons	30·30	35	NNW	1	o	30·34	+·05	36	35	+ 1	N	3	m	0	o	0	39	35	—
	Nice	29·96	49	E	0	b	30·08	+·09	47	43	— 2	ENE	4	bc	2	b	0	61	45	—
	Perpignan	30·13	49	NW	4	b	30·21	+·09	43	38	— 5	NW	4	b	0	b	0	60	42	—
	Biarritz	30·24	46	ENE	3	o	30·33	+·11	39	37	— 5	ENE	2	o	1	o	0	52	37	—
Span. Pen.	Corunna																			
	Lisbon	30·27	55	N	3	b	30·28	+·04	51	50	+ 2	NNE	2	c	0	b	0	59	52	—
	Azores (P. Delgada)	29·92	65	W	1	r	29·93	+·09	60	58	— 5	NW	1	b	4	r	0	66	59	0·16

For Explanation of Columns, see bottom of last page. † *Received too late for Insertion in Charts on next page.*

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

Bright Sunshine yesterday Southport 0·2 *hrs.*

WEATHER CHARTS

FOR Friday 24th November, 1899.

BAROMETER, WIND AND SEA.

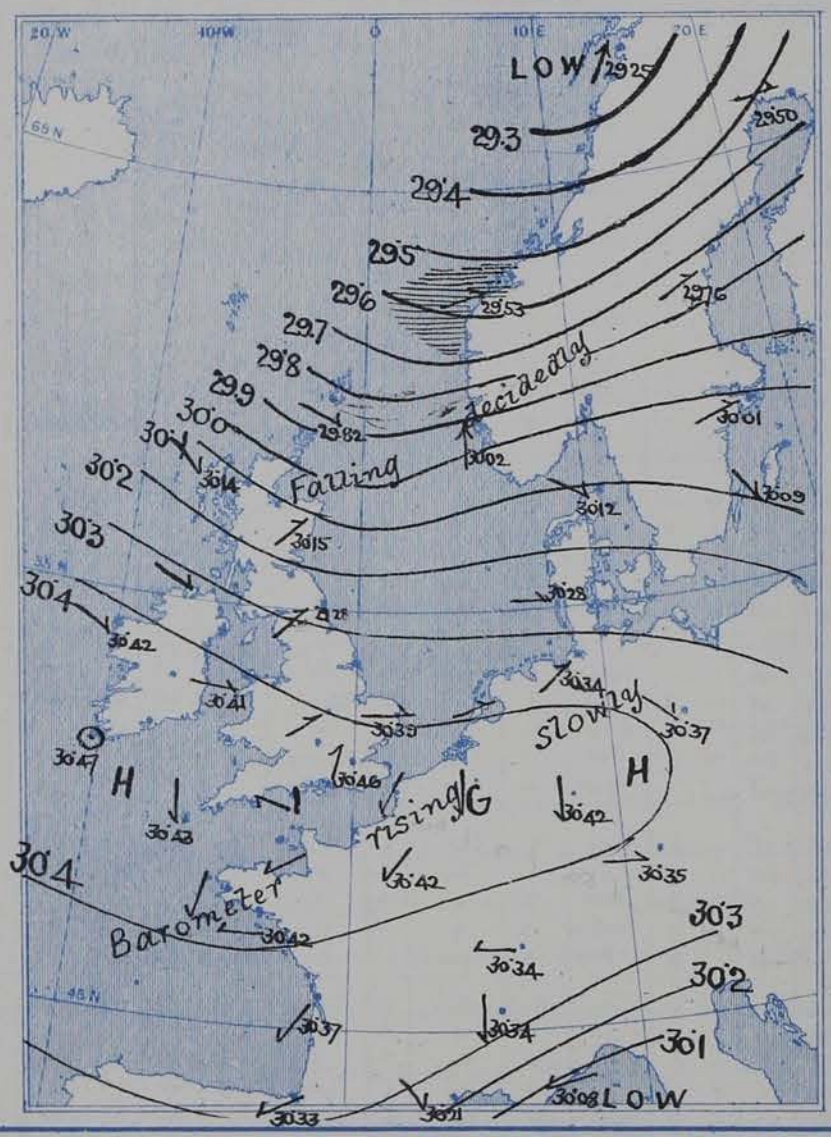
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓

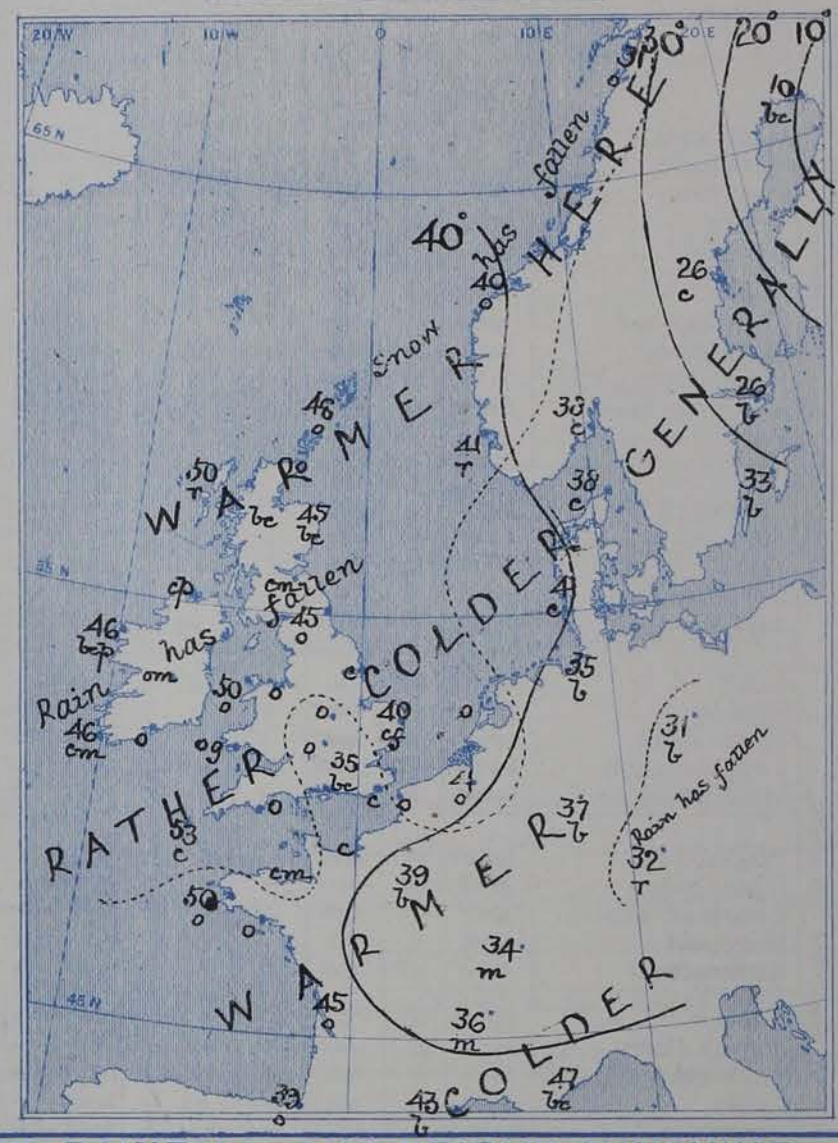


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and more in an elongated anticyclone, the central part of which covers Ireland, the Sth. half of England, the English Channel, Belgium and the N. of France.
Lowest 29.3 ins. and less to 29.5 ins over the Nth. parts of Scandinavia; 30.0 ins. and more in Caithness.
Gradients very slight in the S., steep in the N.
Barometer falling fast in the far N., and the fall was spreading. It was still rising in the SW. and S.

TEMPERATURE

Highest 53° to 50° on our extreme SW. coasts, at Jersey and at Brest; 50° also at Wick.
Lowest (1) 10° at Haparanda, 26° at Hernösand and Stockholm; (2) 35° in London, 41° at Oxford and Loughborough; (3) 31° at Berlin, 32° at Munich, 39° at Paris.
It has become decidedly unsteady over our Islands; in the N. of Scotland it has risen.

WIND

SW. ¾ to NW. ¾ over the northern half of our Islands and is increasing in force; variable and light (anticyclonic) in the south, E. ¼ to NE. ¾ over France, and in Scandinavia it was SW. ¾, in Germany NW. ¾.

WEATHER

Fine at the French stations, fair or foggy in the S. of our Islands; fine (but unsettled) in Scotland, dull and somewhat raining in Norway.
A little rain has fallen over the Nth. parts of the Kingdom, also in Belgium and the NE. of France.
Bright Sunshine recorded yesterday amounted to 3.5 hrs. at Stornoway, and to 1.2 hrs. at Valencia; at the other stations there was very little or none.

SEA

Remained smooth in the S., but had risen a little on our Nth. coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Depressions are moving from NW. to SE. over Scandinavia and Russia, and it is probable that their secondaries may cause disturbed weather over the N. and NE. of the British Isles.

FORECASTS

For the 24 hours ending at NOON on 22ND NOVEMBER 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W. ¼ to NW. ¼ winds, strong; squally, cold showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW. ¼ to NW. ¼ winds, increasing; fair or hazy at first; less settled later.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NE. ¼ to NW. ¼ winds, light to moderate, fair.
9	IRELAND NORTH	Same as Nos. 0 and 1.
10	IRELAND SOUTH	Same as No. 8.
	WARNINGS	None issued at present.

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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·19	33	32	N	4	s	3
Sumburgh Head	30·29	36	32	N	3	c	4
Stornoway... ...	30·34	48	45	Z	0	c	0
Aberdeen	30·38	40	36	NW	2	c	3
Shields	30·35	46	44	NNE	2	opd	2
Malin Head ...	30·36	49	46	N	2	bc	2
Blacksod Pt.. ...	30·39	52	51	Z	0	b	0
Holyhead	30·34	52	50	NNE	2	c	1
Valencia	30·41	53	51	NNW	2	bv	4
Scilly	30·36	53	51	NW	4	o	1
Jersey	30·33	52	47	WNW	2	o	2
Portland Bill ...	30·32	52	50	NNW	3	om	2
Dungeness ...	30·25	47	46	NNW	3	m	2
London (Westminster)	30·29	51	48	NE	1	ogm	*
Yarmouth ...	30·22	49	48	NNE	4	r	4
Rochefort ...	30·33	48	40	ENE	3	o	*

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

Weather in morning gloomy and cloudy over our Islands, with fog in many places, dull and hazy over France, fine over the Riviera; dull and unsettled in most parts of N^rn Europe, with rain in the Gulf of Finland, snow in several parts of Scandinavia; rain later in Scotland and a little in the Netherlands; snow at Faerder.

Temperature becoming unsteady – falling considerably in Scotland, Norway and the N. of Sweden. Morning readings highest (1) 58° at Athens, 54° at Algiers and Barcelona, 53° at Lesina; (2) 52° at Scilly, Pembroke and Rochefort, 50° at Donaghadee and Malin Head. Lowest (1) 20° at Haparanda, 28° at Kuopio, 31° at Hernösand; (2) 34° at Sumburgh Head, 40° at Aberdeen, – also at Oxford and in London; (3) 11° at Kharkov, 27° at Cracow, 32° at Munich and Paris. Rising later to above 50° over Ireland and England as a whole, to 56° at Jersey, 61° at Nice – not exceeding 41° at Paris.

Wind (1) moderate to strong from NW. over Scandinavia, fresh to a gale from W. over the Baltic, fresh to moderate from SW. and S. over Finland; (2) Light and anticyclonic over Ireland, England, France and the Bay of Biscay; (3) fresh, but cyclonic, over the Mediterranean. Freshening over the North Sea later.

Barometer – Highest (1) 30·42 ins. at Valencia and exceeding 30·3 ins. over Scotland, Ireland, the SW. of England, Brittany and the Bay of Biscay; (2) 30·3 ins. and more to 30·2 ins. over SE^rn Europe. Lowest – below 29·0 ins. and less in a depression over Finland. Some very slight secondary disturbances over the North Sea, and another over the Irish sea. Atlantic anticyclone spreading E^wds, but a new fall setting in over Finmark.

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 Wednesday, 22nd November, 1899.

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	29.10	28	S	2	o	29.05	-.45	14	14	+4	NNW	6	S	4	o	*	34	7	0.47
	Hernösand	29.17	32	WNW	4	b	29.32	-.44	29	28	+3	WNW	8	c	4	b	*	32	19	-
	Stockholm	29.37	37	SSW	2	r	29.50	-.51	31	27	+5	WNW	6	b	4	r	*	37	25	0.08
	Wisby	29.47	40	W	10	r	29.53	-.56	37	32	+4	NNW	10	bc	4	r	*	41	30	0.28
	Karlstad	29.45	40	W	4	o	29.72	-.29	30	27	-2	WNW	2	b	4	r5.0	*	*	*	-
	Bodö	29.26	30	NE	5	5	29.31	+.06	26	24	-5	E	1	c	1	5	*	34	23	-
	Christiansund ...	29.61	33	NNW	4	5	29.85	+.32	32	30	-8	NNW	8	5	4	5	*	40	30	0.28
	Skudesnaes ...	29.81	46	NNW	8	o	30.04	+.02	39	36	-2	NW	6	c	2	o	*	50	34	*
	Færder (X'iania Fjord)	29.51	48	WSW	5	b	29.81	-.20	39	32	+1	WNW	4	b	3	b	*	48	37	-
	The Scaw (Skagen)	29.62	48	NW	5	c	29.86	-.26	41	35	+3	N	5	b	1	c	*	48	37	0.08
	Fanö	29.96	44	W	7	r	30.04	-.24	44	41	+3	NW	6	c	*	r	*	50	39	0.04
	Sumburgh Head ...	29.91	46	NNW	4	r	30.15	+.33	40	37	-8	N	1	o	3	o,r	*	49	37	0.03
	Stornoway	30.16	50	NW	4	r	30.25	+.11	48	47	-2	NW	2	o	2	or	0.0	51	45	0.25
	Wick	30.03	51	NW	7	o	?30.21	+.18	45	42	-5	NW	4	c	3	o	*	52	41	0.11
	Nairn	30.16	50	NW	2	bc	30.27	+.12	48	45	0	W	1	bc	1	bc	*	52	45	-
	Aberdeen	30.12	49	W	6	bcq	30.27	+.12	45	44	0	W	2	c	2	cq.bcq	2.9	53	45	-
British Islands	Leith	30.23	46	WSW	3	c	30.32	+.07	46	44	-1	WSW	3	cm	*	c	*	52	45	-
	Shields	30.23	48	WSW	2	bm	30.30	+.02	43	42	-2	W	3	c	2	c.bm	*	52	42	-
	Spurn Head ...	30.27	47	W	4	b	30.32	-.04	45	44	+1	W	4	cw	4	b	*	50	42	-
	Loughborough ...	30.38	46	WSW	2	bc	30.40	-.03	47	45	+6	WNW	2	c	*	cm.bc.o	*	48	40	-
	Malin Head ...	30.34	50	WNW	4	o|m	30.39	+.05	50	47	+1	NW	2	oq	2	omp	*	50	49	-
	Blacksod Pt. ...	30.47	48	NW	2	cp	30.47	+.05	49	48	+3	WSW	1	c	1	bc.c.p	*	51	44	0.06
	Donaghadee ...	30.36	49	NW	2	r	30.39	+.01	47	46	+6	NW	1	oq	2	r	*	50	39	0.01
	Liverpool (Bidston)	30.38	49	WSW	3	c	30.43	+.02	48	46	+2	W	2	oq	2	om.c	*	52	46	-
	Holyhead	30.40	50	W	4	oq	30.44	+.03	50	48	0	NW	3	o	2	o.oq	*	51	48	-
	Parsonstown ...	30.46	48	W	1	o	30.49	+.04	45	44	0	NW	1	o	*	o	1.0	51	45	0.01
	Valencia	30.50	47	SW	0	o	30.49	+.02	47	45	-1	E	1	o	2	c.o	0.9	52	41	-
	Roche's Point ...	30.48	51	NNW	1	o	30.52	+.06	49	47	-3	N	1	o	1	o	*	53	43	-
	Pembroke (St. Ann's Hd.)	30.45	52	NW	2	o	30.46	+.02	50	49	-1	NW	2	op	2	o	0.0	52	49	0.03
	Scilly	30.44	53	NNE	1	c	?30.52	+.14	53	51	o	NNW	1	c	1	c	0.6	56	51	-
	Jersey (St-Aubin's) ...	30.45	51	SSE	1	cm	30.50	+.05	51	49	o	SW	0	cmw	0	c.cm	*	55	45	0.01
France & Netherlands. Germany.	Portland Bill ...	30.47	51	WNW	1	o	30.48	+.01	51	48	+4	NNW	3	c	2	c.o	*	52	45	-
	Dungeness	30.41	45	NW	1	c	30.43	.00	49	44	+13	NNW	1	o	1	bc.c	*	50	35	-
	London (Brixton) ...	30.41	41	W	1	bcm	30.43	-.03	46	45	+11	WNW	2	oq	*	qf.o	0.0	46	35	-
	Oxford	30.44	44	SW	2	b	30.46	-.01	46	45	+5	W	3	o	*	o.b.o	*	46	41	-
	Yarmouth	30.31	44	W	2	bc	30.33	-.06	46	45	+6	WNW	2	bcf	3	bcm	*	48	38	-
	Cuxhaven	30.16	43	SW	6	o	30.08	-.26	47	46	+12	NW	4	c	*	o	*	48	35	-
	Berlin	30.28	32	W	3	b	29.99	-.38	43	42	+12	W	5	r	*	b	*	43	29	0.08
	Wiesbaden	*	*	*	*	*	30.37	-.05	38	37	+1	NNE	1	o	*	*	*	43	29	-
	Munich	30.39	33	E	1	o	30.43	+.08	33	33	+1	W	5	c	*	o	*	34	32	-
	The Helder ...	30.26	49	WSW	3	o	30.26	-.11	51	49	+8	WNW	2	o	2	o	*	52	43	-
	Brussels	*	*	*	*	*	30.39	-.06	42	42	+1	WSW	2	o	*	o	*	46	39	-
	C. Gris Nez ...	30.42	48	W	1	o	30.41	-.02	49	47	+8	NW	4	o	3	o	*	52	39	-
	Paris	30.47	36	NNE	2	b	30.49	+.07	36	34	-3	S	1	c	*	b	*	46	29	-
	Brest	30.47	51	SW	0	o	?30.53	+.13	49	48	-1	E	1	c	1	o	*	54	45	-
France & Netherlands.	Lorient	30.45	51	SW	0	o	30.52	+.10	47	46	-2	SE	1	o	2	o	*	52	46	-
	Rochefort	30.39	48	NE	4	b	30.50	+.13	39	37	-6	ENE	3	b	*	b	*	54	36	-
	Belfort	30.40	36	E	2	f	30.47	+.12	32	31	-2	SW	0	m	*	f	*	38	31	-
	Lyons	30.43	40	N	1	o	30.49	+.15	38	35	+2	NNW	2	o	*	o	*	41	36	-
	Nice	30.18	52	SW	0	b	30.25	+.17	44	41	-3	E	2	b	2	b	*	59	43	-
	Perpignan	30.30	48	NW	2	b	30.35	+.14	42	38	-1	W	2	b	*	b	*	54	37	-
	Biarritz	30.34	40	ENE	3	b	30.40	+.07	41	38	+2	E	3	o	1	b	*	45	37	-
Span. Pen.	Corunna																*			
	Lisbon	30.26	58	N	2	o	30.28	.00	50	46	-1	NNE	3	b	*	c	*	61	48	-
	Azores (P. Delgada)	30.13	60	WNW	1	b	30.14	+.26	61	60	+1	W	1	b	2	b	*	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 2.1 hrs.

WEATHER CHARTS

FOR Wednesday, 22nd November, 1899.

BAROMETER, WIND AND SEA.

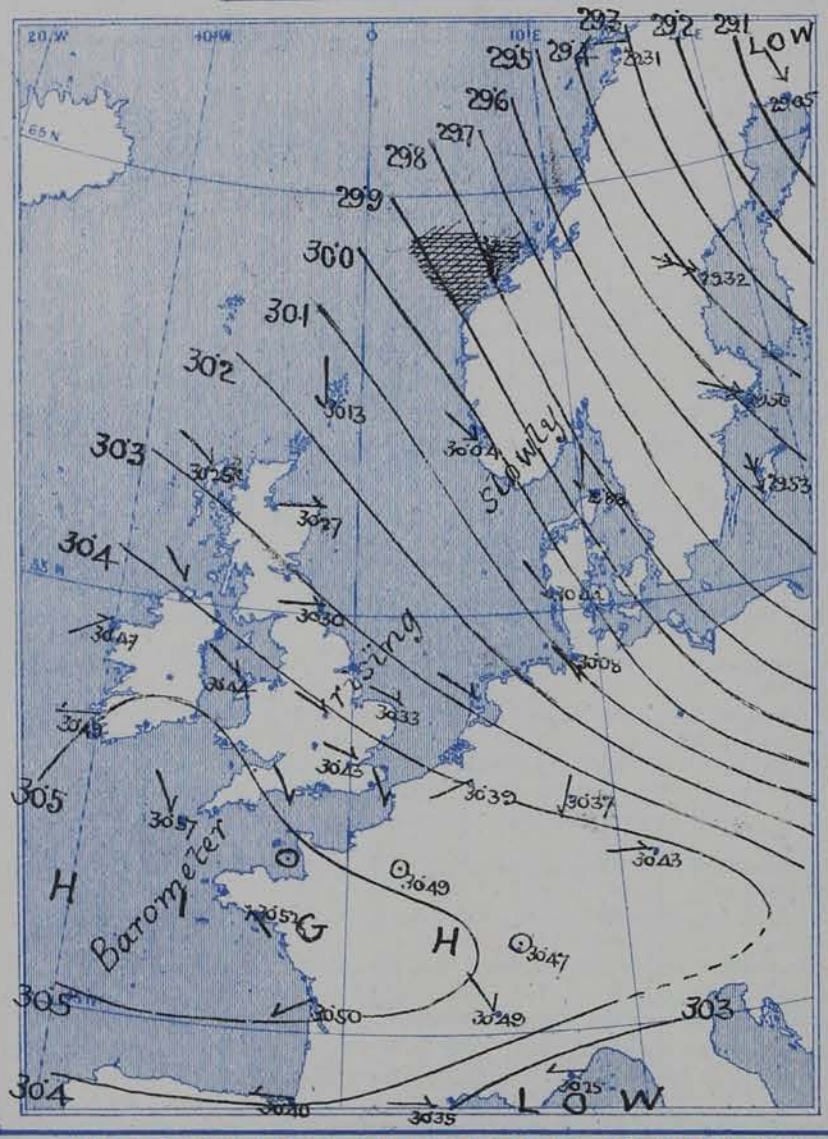
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

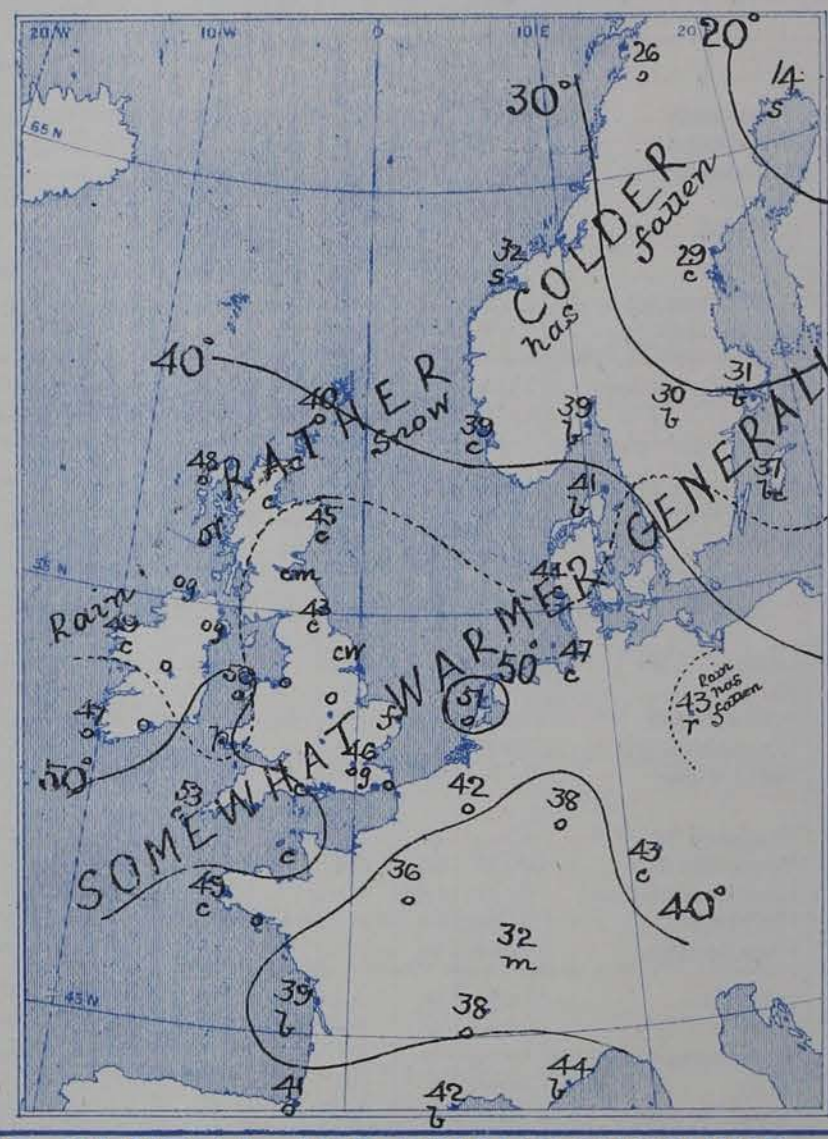


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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, ?30·52 in: at Scilly and above 30·4 in: all over Ireland, the southwestern half of England and the northwest of France.
Lowest, Below 29·1 in: at Haparanda (Gulf of Bothnia).
Gradients moderate to slight over our Islands and France.
Barometer rising generally, but in the extreme west and northwest the rise is checked.

TEMPERATURE

Highest, 53° at Scilly, 51° at Jersey and Portland Bill, and 50° at Pembroke.
Lowest, (1) 14° at Haparanda, 26° at Bodö, 29° at Hernösand; (2) 32° at Belfast, 33° at Munich, 38° at Wiesbaden.

WIND

(1) Light and anticyclonic from W. on our southwest coasts, and from E. in the west of France; (2) Light to moderate from NW. and W. at our other stations; (3) Strong to a gale from NW. in Sweden.
It blew very strongly from NW. in the north of Holland last evening

WEATHER

Fair over France, cloudy or overcast over our Islands generally; fine, but not settled over Scandinavia.
A little rain has fallen at our northern stations and some snow in Norway.
Bright Sunshine recorded yesterday was very slight generally, the largest amount reported is 2·9 hours at Aberdeen.

SEA

Slight or smooth generally

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The wind will probably begin to back to SW. and W. in the west and north shortly, and later on over England also.

FORECASTS

For the 24 hours ending at NOON on 23rd Nov.r 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. to SW. breezes; temporarily warmer and fair as a whole.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NW. and W. winds; dull, but dry and hazy.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 and 1
7	ENGLAND N.W.	Same as Nos. 2 to 5
8	ENGLAND S.W.	
9	IRELAND NORTH	Same as Nos. 0 and 1.
10	IRELAND SOUTH	Same as Nos. 2 to 5.
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.79	49	46	NNW	7	o	4
Sumburgh Head	29.85	47	46	NNW	4	o	4
Stornoway... ...	30.15	51	50	NW	4	r	4
Aberdeen	30.11	52	47	W	5	cg	3
Shields	30.25	50	46	NSW	3	c	3
Malin Head ...	30.34	49	49	WNW	4	pm	3
Blacksod Pt.. ...	30.44	51	50	NW	3	bc	2
Holyhead	30.41	51	49	W	2	o	1
Valencia	30.47	52	50	E	2	o	c	2
Scilly	30.43	54	51	NNE.	1	c	1
Jersey	30.47	52	50	SE	1	c	1
Portland Bill ...	30.47	51	48	W	1	c	2
Dungeness ...	30.57	47	45	NW	1	bc	2
London (Westminste.)	30.42	47	43	SW	1	o gm	*
Yarmouth ...	30.34	44	41	NSW	2	c	3
Rochefort ...	30.41	53	49	NE	3	bc	*

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

Weather in morning fine (1) over France and North Germany; (2) over Sweden and Finland; dull and unsettled over Norway and our Islands, with cold rain and snow in places. Some rain or sleet during day at the most northern stations and at Berlin; sky clearing temporarily in the extreme east of England and at Berlin.

Temperature fallen fast over the Baltic, Finland, and the southern half of the North Sea. Morning readings highest 59° at Malta, 58° at Algiers, 53° at Sicily, 50° at Brest, as well as at Stornoway. Lowest (1) 9° at Uleaborg, 16° at Kuopio, 21° at St Petersburg and Archangel; (2) 29° at Breslau, 32° at Munich, 39° at Paris; (3) 35° in London, 41° at Loughborough. Rising later to between 56° and 50° over our Islands, to 52° at the Helder, 54° at Brest, 59° at Nice, but not exceeding 46° at Oxford, London, and Paris.

Wind (1) NW³ to N³, strong over Finland and northwestern Russia, W³ at Moscow; (2) NW³ at our northern stations, SW³ in the northwest of Norway, S³ at Skudesnaes; (3) Light and anticyclonic in the southwest and south of our Islands and the north of France; (4) Cyclonic (light to fresh) over the Mediterranean. The NW³ wind becoming strong in Scotland at night; the wind in the south of Norway veering somewhat.

Barometer highest 30·4 ins: and more at our southern stations and those in the north of France and over Belgium. Lowest (1) 28·8 ins and less, over the north of Russia and the White Sea; (2) 29·3 ins: and less in a new disturbance approaching Finmark; gradients steep over the northern countries; (3) 29·8 ins: and less, in a third depression near Palermo. Rising later over the greater part of our Islands, falling 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 Thursday, 23rd November, 1899.

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	29.44	8	N	2	b	29.50	+.45	-2	-3	-16	E	0	b	•	b	•	28	?	0.04
	Hernösand	29.66	27	WNW	4	b	29.66	+.34	24	?	- 5	NW	2	b	•	b	•	34	21	-
	Stockholm	29.83	28	NW	4	b	29.79	+.29	30	26	- 1	NW	4	bc	•	b	•	36	25	-
	Wisby	29.84	35	NNW	10	bc	29.87	+.34	36	32	- 1	NNW	6	b	•	bc	•	37	32	-
	Karlstad	29.95	29	NW	4	b	29.82	+.10	28	27	- 2	WNW	2	o	•	b	•	•	•	-
	Bodö	29.54	22	ENE	2	c	29.60	+.29	26	24	0	N	4	c	2	c	•	28	19	-
	Christiansund ...	29.92	33	N	6	5	29.68	-.17	32	31	0	E	2	5	5	8	•	32	28	0.12
	Skudesnaes ...	30.13	39	W	4	c	29.86	-.18	46	44	+ 7	WSW	4	r	3	c	•	46	37	•
	Færder (X'iania Fjord)	30.00	39	WNW	4	b	29.79	-.02	42	39	+ 3	SW	4	o	3	b	•	42	37	-
	The Scaw (Skagen)	30.04	40	NNW	3	o	29.89	+.03	46	36	+ 5	WSW	3	o	o	o	•	46	39	-
	Fanö	30.21	43	NW	4	c	30.12	+.08	47	46	+ 3	W	4	c	•	c	•	48	43	-
British Islands.	Sumburgh Head ...	30.06	44	WSW	1	o	29.51	-.64	50	50	+ 10	WNW	5	r	6	r.o	•	50	40	0.47
	Stornoway	30.21	48	W	2	o	29.86	-.39	53	52	+ 5	WNW	4	r	4	o	0.3	53	45	0.15
	Wick	30.18	53	W	4	o	29.75	-.46	53	52	+ 8	W	5	o	4	o	•	54	41	0.09
	Nairn	30.24	47	W	2	c	29.90	-.37	53	50	+ 5	W	3	c	1	c	•	53	43	-
	Aberdeen	30.27	46	WSW	2	cq	29.90	-.37	53	48	+ 8	WSW	5	cqq	3	cq.r	0.5	53	45	0.01
	Leith	30.33	47	WSW	2	c	30.06	-.26	50	47	+ 4	WSW	4	o	•	c	•	52	45	-
	Shields	30.34	48	NW	2	bm	30.15	-.15	48	45	+ 5	H SW	3	c	2	bc.bm	•	51	42	-
	Spurn Head ...	30.36	48	W	4	c	30.27	-.05	47	45	+ 2	SW	4	om	4	c.o	•	48	44	-
	Loughborough ...	30.45	47	W	2	o	30.36	-.04	46	44	- 1	WSW	3	cm	•	c.ugm.o	•	50	45	-
	Malin Head ...	30.36	48	SW	3	bcpm	30.13	-.26	52	49	+ 2	SW	5	oq	4	o.bcpm	•	52	47	-
	Blacksod Pt. ...	30.41	50	SW	4	c	30.26	-.21	53	52	+ 4	SW	5	bc	3	c	•	53	46	0.01
	Donaghadee ...	30.42	47	W	1	o	30.24	-.15	47	47	0	S	3	bc	2	oqm	•	49	44	-
	Liverpool (Bidston)	30.45	48	W	2	o	30.34	-.19	47	44	- 1	WSW	4	o	3	o	•	50	46	-
	Holyhead	30.44	50	W	2	o	30.35	-.09	50	46	0	WSW	3	c	2	o	•	51	46	-
	Parsonstown ...	30.46	47	SE	1	o	30.36	-.13	47	45	+ 2	SW	1	o	•	o	0.0	49	44	-
	Valencia	30.46	50	SSE	2	o	30.38	-.11	52	51	+ 5	S	3	oq	4	bv,o	2.8	54	46	-
	Roche's Point ...	30.50	50	SW	1	o	30.42	-.10	52	49	+ 3	SW	3	c	3	o	•	52	46	-
	Pembroke (St. Ann's Hd.)	30.50	51	W	3	o	30.43	-.03	51	49	+ 1	NW	2	cv	1	o	0.0	52	48	-
	Scilly	30.46	53	WSW	1	c	30.50	-.02	52	50	- 1	SSW	1	o	o	o.c	2.0	55	47	-
	Jersey (St. Aubin's) ...	30.51	53	NW	1	o	30.48	-.02	49	47	- 2	NW	1	oqm	1	oqm	•	55	48	-
	Portland Bill ...	30.52	50	N	3	o	30.47	-.01	51	48	0	NW	1	o	2	o	•	52	48	-
	Dungeness	30.46	46	NW	1	o	30.44	+.01	46	45	- 3	NW	2	o	1	o	•	o	44	-
	London (Brixton) ...	30.47	48	WNW	2	oq	30.44	+.01	46	43	0	SW	1	oq	•	oq	0.0		44	-
	Oxford	30.49	46	W	1	o	30.43	-.03	45	43	- 1	SW	1	oq	•	o	•	49	44	-
	Yarmouth	30.38	48	WNW	2	bc	30.33	.00	45	43	- 1	WSW	3	bc	3	bc	•	49	43	-
Germany.	Cuxhaven	30.28	45	NNW	1	b	30.19	+.11	46	44	- 1	W	4	o	•	b	•	48	43	-
	Berlin	30.21	42	W	2	o	30.25	+.26	42	41	- 1	W	3	o	•	o	•	46	39	0.12
	Wiesbaden	*	*	*	*	*	30.44	+.07	41	40	+ 3	SW	1	c	•	*	*	45	38	-
	Munich	30.46	38	SW	5	o	30.46	+.03	38	37	+ 5	W	3	c	•	o	•	38	33	-
France & Netherlands.	The Helder ...	30.34	50	NW	2	o	30.28	+.02	50	47	- 1	W	2	c	2	o	•	52	50	0.04
	Brussels	*	*	*	*	*	30.43	+.04	44	44	+ 2	SW	2	f	•	f	•	47	41	-
	C. Gris Nez ...	30.45	49	NNW	2	m	30.46	+.05	50	44	+ 1	NW	1	o	1	m	•	52	46	-
	Paris	30.51	42	S	1	o	30.49	.00	40	40	+ 4	E	1	m	•	o	•	44	36	-
	Brest	30.50	53	S	0	m	30.47	-.06	46	45	- 3	E	1	b	0	m	•	55	32	-
	Lorient	30.51	52	S	0	o	30.48	-.04	50	48	+ 3	E	1	o	1	o	•	59	39	-
	Rochefort	30.50	46	ENE	3	b	30.46	-.04	42	39	+ 3	ENE	3	b	•	b	•	52	36	-
	Belfort	30.49	37	W	1	m	30.49	+.02	31	31	- 1	S	0	r	•	m	•	40	31	-
	Lyons	30.49	37	NNW	5	b	30.52	+.03	33	31	- 5	N	1	m	•	b	•	42	33	-
	Nice	30.28	50	S	0	c	30.36	+.11	43	41	- 1	E	3	b	2	c	•	59	43	-
	Perpignan	30.35	46	E	1	b	30.43	+.08	38	31	- 9	NNW	2	b	•	b	•	59	32	-
	Biarritz	30.37	45	ENE	2	b	30.33	-.07	38	36	- 3	ESE	1	b	1	b	•	50	37	-
Span. Pen.	Corunna																			
	Lisbon	30.28	52	NNE	3	b	30.28	.00	48	45	- 2	NNE	4	b	•	b	•	59	46	-
	Azores (P. Delgada)	30.26	59	NNW	2	b	30.21	+.02	58	55	- 3	N	3	o	2	b	•	66	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·0 *hrs.*

WEATHER CHARTS

FOR Thursday, 23rd November, 1899.

BAROMETER, WIND AND SEA.

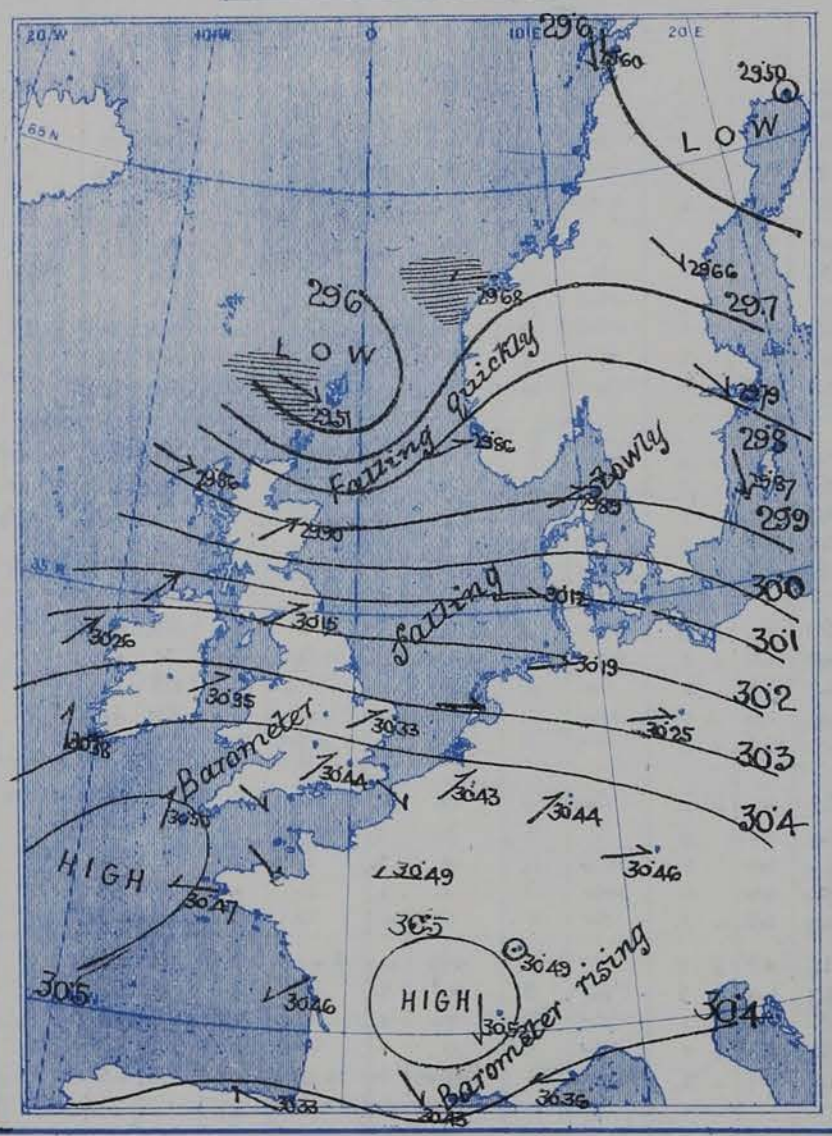
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

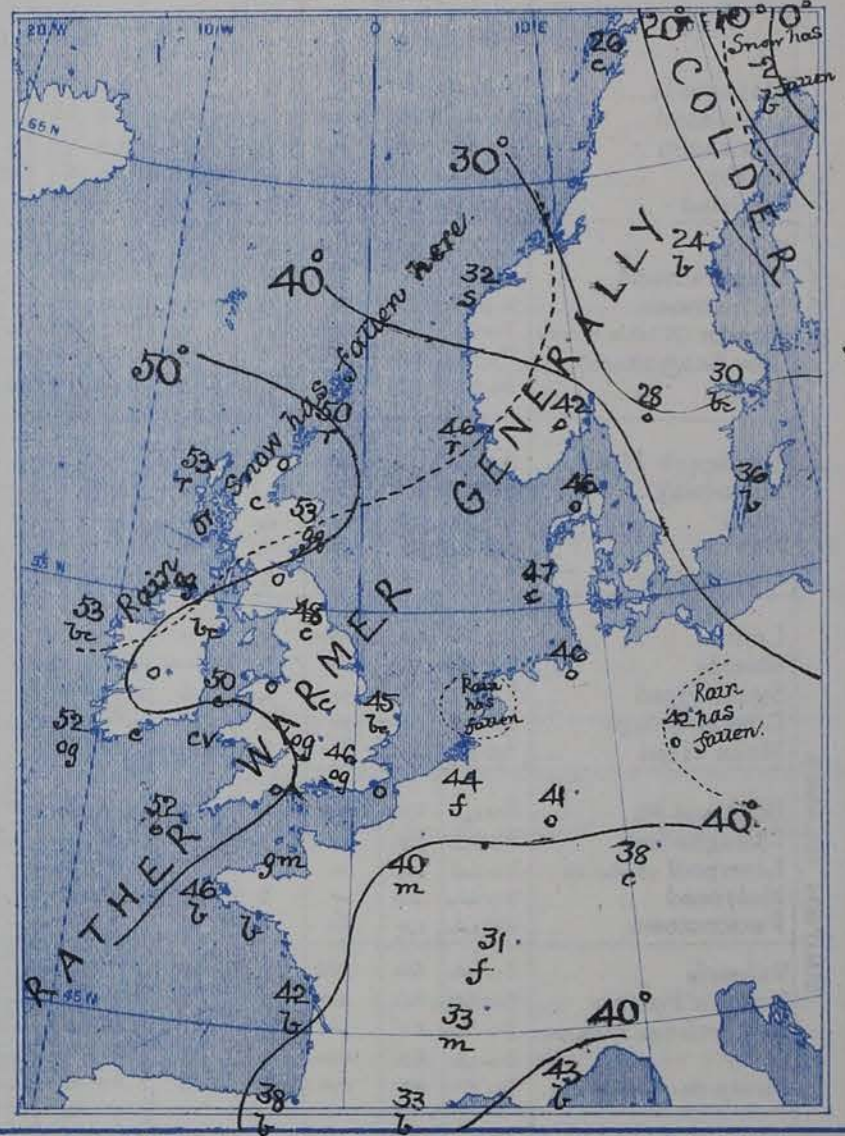


TEMPERATURE AND WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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, 30·5 inches and more to 30·4 inches over France and the southern part of our Islands; 30·2 inches and more over North Germany.
Lowest, 29·5 inches at Haparanda (Gulf of Bothnia) and also in a new depression over the Shetland Islands.
Gradients rather steep over our Islands.
Barometer falling fast in the northeast, inclined to rise at Stornoway, but still falling in Ireland.

TEMPERATURE

Highest, 52° to 49° on our southwest coasts, 50° at the Hilder, 53° to 50° in Scotland.
Lowest, (1) −2° F. at Haparanda; 24° at Hernösand, 28° at Karlstad; (2) 45° to 46° over Central England; (3) 31° at Belfort, 33° at Lyons.
It rose during yesterday to between 50° and 55° in the southern part of England, and has risen over Scotland during the night.

WIND

Still light and variable (anticyclonic) over France and the south of our Islands; W. to S. elsewhere, and blowing freshly at several of the Scotch and Irish stations, NW. over the Baltic.

WEATHER

Rather unsettled in the northern and western parts of our area with rain at Lerwick Hd and Stornoway.
There has been nearly half an inch of rain at Lerwick Hd and 0·15 inch at Stornoway, slight falls have occurred in Germany also.
Bright Sunshine recorded yesterday was 2·8 hours at Valencia, 2 hours at Pembroke, 0·5 hour at Aberdeen. At most of the English stations there was none.

SEA

Moderate in the west, slight or smooth Elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north is moving eastwards, there is apparently a new disturbance approaching Ireland, and likely to cause some rain in the west generally – possibly a little over England later.

Yesterday's Continental Observations (referred to on p4) showed the large depression over Finland to be moving away towards Central Russia, and its NW. gales and strong winds were still blowing over the Gulf of Bothnia and the Baltic. Anticyclonic conditions prevailed over Southwestern Europe, and the winds in those regions were light and variable. Temperature was low inland, high on the Atlantic coasts.

FORECASTS

For the 24 hours ending at NOON on 24TH Nov.R 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Very Variable SW to NW. winds, strong; rain at times, changeable temperature.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	SW. winds, light to moderate; dull, inclined to rain a little.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 0 to 2.
7	ENGLAND N.W.	Wind mainly SW. and increasing; with rain.
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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·13	40	36	NNW	6	c	3
Sumburgh Head	30·11	42	42	WSW	1	r	3
Stornoway... ...	30·25	49	48	NNW	2	0	2
Aberdeen	30·27	49	45	W	2	cg	2
Shields	30·34	50	46	WSW	2	bc	2
Malin Head ...	30·39	48	47	WSW	2	c	2
Blacksod Pt.. ...	30·47	50	49	SW	4	c	2
Holyhead	30·46	50	48	NNW	3	0	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·47	51	46	N	0	bv	2
Scilly	30·47	54	52	E	3	0	0
Jersey	30·51	55	50	NNW	1	0	1
Portland Bill ...	30·49	51	48	WNW	3	0	2
Dungeness ...	30·43	49	48	NNW	1	0	1
London (Westminster)	30·44	51	46	WNW	2	0q	*
Yarmouth ...	30·35	49	47	WNW	2	bc	3
Rochefort ...	30·43	51	47	NE	3	b	*

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

Weather in morning fine over the Mediterranean, fair and quiet over Spain, France, and the south of our Islands, but dull and gloomy in most places; very unsettled over northern Europe, with snow and rain in many localities. Half an inch of rain in the Shetlands later, but not much at the Scandinavian stations; a little in Germany.

Temperature in morning highest 61° at Algiers, 60° at Malta, 52° at Barcelona; 53° to 50° on the coasts of Wales and southwest of England, 51° at the Helder, 50° at Malin Hd. Lowest (1) 8° F. at Archangel, 14° at Haparanda, 15° at Moscow, 28° at Utsjoki; (2) 22° at Kiew, 25° at Vienna, 32° at Belfort, 36° at Paris. Rising later to between 55° and 50° over the western and southern parts of our Islands, to 55° at Brest and 59° at Kiel, not exceeding 44° at Paris.

Wind (1) Very light and anticyclonic over the western and southwestern counties – the direction being mainly NW[1] in Scotland and Wales – (2) Strong to a gale from NW. over the Gulf of Bothnia and the Baltic, S[3] light at St Petersburg, SW[1] at Moscow, SE[1] at Archangel. Backing to W. in Scotland and to SW. in Ireland later.

Barometer in morning highest 30·5 ins: and more to 30·4 ins: in a rather complex anticyclone covering Spain, France, and our southwestern districts. Lowest, 28·9 ins: and less, in a deep depression over Finland and extending over northern Europe as a whole. Rising over England during day, but beginning to fall again on our extreme west and northwest coasts towards 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 8 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 Friday, 24th November, 1899.

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	-4	SW	0	b	29.44	-.06	-13	-15	-11	SW	0	b	*	b	*	7	?	-
	Hernösand	29.65	19	SW	0	b	29.15	-.51	27	26	+3	SSE	6	s	*	b	*	28	?	0.28
	Stockholm	29.55	29	SW	0	s	29.14	-.65	38	37	+8	SW	2	f	*	s	*	38	27	0.16
	Wisby	29.52	41	NNW	6	r	29.25	-.62	44	43	+8	NW	6	c	*	r	*	44	30	0.08
	Karlstad	29.46	35	SW	0	r	29.10	-.72	46	44	+18	SW	2	o	*	r	*	*	*	0.16
	Bodö	29.60	22	E	4	bc	29.19	-.41	21	19	-5	E	6	c	2	bc	*	24	18	-
	Christiansund ...	29.27	37	WSW	2	r	28.91	-.77	43	40	+11	W	9	r	6	r	*	43	30	0.68
	Skudesnaes ...	29.63	49	W	8	o	29.33	-.53	51	50	+5	W	8	r	4	o	*	51	37	*
	Færder (X'tiania Fjord)	29.45	45	NNW	4	b	29.12	-.67	50	47	+8	SW	6	c	4	b	*	50	41	0.16
	The Scaw (Skagen)	29.51	50	NNW	7	o	29.33	-.66	51	49	+5	W	7	m	3	o	*	51	45	0.16
	Fanö	29.58	49	WSW	6	r	29.75	-.37	50	49	+3	W	7	c	*	r	*	50	46	0.16
British Islands	Sumburgh Head ...	29.56	49	W	5	o	29.35	-.16	44	44	-6	NNW	4	r	6	m.o	*	51	43	0.83
	Stornoway	29.55	53	NNW	5	o	29.64	-.22	52	51	-1	NNW	6	rq	6	bc.o	0.0	53	48	0.12
	Wick	29.75	50	NNW	6	o	29.53	-.22	53	52	0	NNW	7	ou	3	o	*	58	50	0.03
	Nairn	29.87	54	W	4	bc	29.60	-.30	55	52	+2	W	5	c	3	bc	*	56	50	0.04
	Aberdeen	29.90	53	SW	3	b	29.64	-.26	57	51	+4	SW	6	cgq	4	bc.b	2.7	57	52	-
	Leith	30.04	52	WSW	5	o	29.81	-.25	52	48	+2	WSW	5	o	*	o	*	54	49	-
	Shields	30.10	51	WSW	3	b	29.95	-.20	52	47	+4	WSW	4	o	2	o.b	*	52	46	-
	Spurn Head ...	30.17	49	W	5	c	30.07	-.20	49	46	+2	W	6	c	4	c.b	*	50	?47	-
	Loughborough ...	30.30	49	SW	3	bc	30.21	-.15	50	46	+4	WSW	3	om	*	c.bc.b.o	*	51	46	—
	Malin Head ...	30.13	52	WSW	5	og	29.97	-.16	53	51	+1	WSW	6	og	6	o.og	*	54	51	-
	Blacksod Pt. ...	30.25	53	WSW	4	c	30.15	-.11	53	52	0	SW	5	c	4	b.c	*	55	51	-
	Donaghadee ...	30.19	51	SW	2	c	30.06	-.18	50	48	+3	W	5	bc q	4	c	*	53	46	-
	Liverpool (Bidston)	30.30	49	WSW	4	bc	30.17	-.17	51	47	+4	SW	6	o	5	bc	*	52	47	-
	Holyhead	30.30	51	WSW	3	b	30.20	-.15	53	49	+3	WSW	4	o	3	b	*	53	46	-
	Parsonstown ...	30.31	50	SW	1	o	30.21	-.15	50	48	+3	SW	1	o	*	c.o	1.0	53	47	-
	Valencia	30.34	53	S	2	o	30.24	-.14	54	52	+2	S	2	oqm	2	om.o	0.0	54	51	0.02
	Roche's Point ...	30.38	52	W	1	o	30.29	-.13	53	51	+1	WSW	4	o	3	o	*	53	50	-
	Pembroke (St. Ann's Hd.)	30.37	53	WSW	5	c	30.31	-.12	54	51	+3	WSW	5	ou	4	c	1.1	54	49	-
	Scilly	30.40	53	SW	2	o	30.34	-.16	52	48	0	SSW	4	o	1	o	0.3	57	47	-
	Jersey (St. Aubin's) ...	30.44	52	S	0	om	30.38	-.10	52	46	+3	SW	1	om	1	o.om	*	54	45	-
	Portland Bill ...	30.42	53	NNW	4	o	30.36	-.11	52	47	+1	WNW	3	c	2	c.o	*	54	49	-
	Dungeness	30.37	51	W	3	o	30.33	-.11	51	48	+5	W	2	c	2	o	*	52	45	-
	London (Brixton) ...	30.38	49	WNW	2	oq	30.31	-.13	48	45	+2	WSW	2	oq	1	oq.bc.c	0.0	50	43	-
	Oxford	30.38	46	SW	2	bc	30.30	-.13	49	46	+4	WSW	3	o	*	o.bc	*	50	44	-
	Yarmouth	30.25	47	W	3	b	30.18	-.15	47	45	+2	WSW	3	cm	3	bc.c	*	49	41	-
France & Netherlands. Germany.	Cuxhaven	30.04	47	SW	6	o	29.94	-.25	49	48	+3	W	7	o	*	o	*	49	45	0.08
	Berlin	30.08	45	W	5	r	30.01	-.24	46	45	+4	W	5	r	*	r	*	46	42	0.08
	Wiesbaden	*	*	*	*	*	30.35	-.09	45	42	+4	SW	4	o	*	*	*	46	41	-
	Munich	30.43	36	SW	3	b	30.42	-.04	36	35	-2	SW	4	o	*	b	*	45	34	-
	The Helder ...	30.18	50	WSW	5	c	30.14	-.14	50	48	0	WSW	5	bc	4	c	*	52	50	-
	Brussels	*	*	*	*	*	30.33	-.10	45	44	+1	SW	2	o	*	o	*	46	42	-
	C. Gris Nez ...	30.40	52	NNW	5	o	30.33	-.13	51	46	+1	NW	5	o	5	o	*	54	46	-
	Paris	30.47	43	SSW	1	o	30.42	-.07	42	40	+2	S	2	o	*	o	*	45	40	-
	Brest	30.43	51	ESE	1	o	30.36	-.11	50	49	+4	SSE	1	o	2	o	*	54	46	-
	Lorient	30.45	50	ESE	1	o	30.39	-.09	44	41	-6	SE	3	bc	1	o	*	52	41	-
	Rochefort	30.43	46	ENE	3	b	30.39	-.07	37	36	-5	E	3	b	*	b	*	57	34	-
	Belfort	30.52	37	W	0	b	30.47	-.02	25	25	-6	W	0	f	*	b	*	49	24	-
	Lyons	30.52	37	SE	1	m	30.50	-.02	31	31	-2	E	1	bc	*	m	*	39	31	-
	Nice	30.40	47	E	1	b	30.38	+.02	42	38	-1	E	4	b	3	b	*	57	41	-
	Perpignan	30.42	41	W	1	b	30.40	-.03	38	37	+5	W	2	b	*	b	*	53	33	-
	Biarritz	30.28	37	E	4	m	30.27	-.06	35	33	-3	SE	3	m	2	m	*	48	32	-
Span. Pen.	Corunna																			
	Lisbon	30.23	57	NNE	4	b	30.23	+.02	52	46	-6	NE	5	o	*	b	*	61	52	-
	Azores (P. Delgada)	30.18	61	SE	4	bc	30.12	-.09	63	61	+5	SE	4	o	3	bc	*	66	58	-

The maximum Temperature readings for Dungeness and London in yesterday's report should read 50°

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

Bright Sunshine yesterday Southport 1.1 hrs.

WEATHER CHARTS

FOR Friday, 24th November, 1899.

BAROMETER, WIND AND SEA.

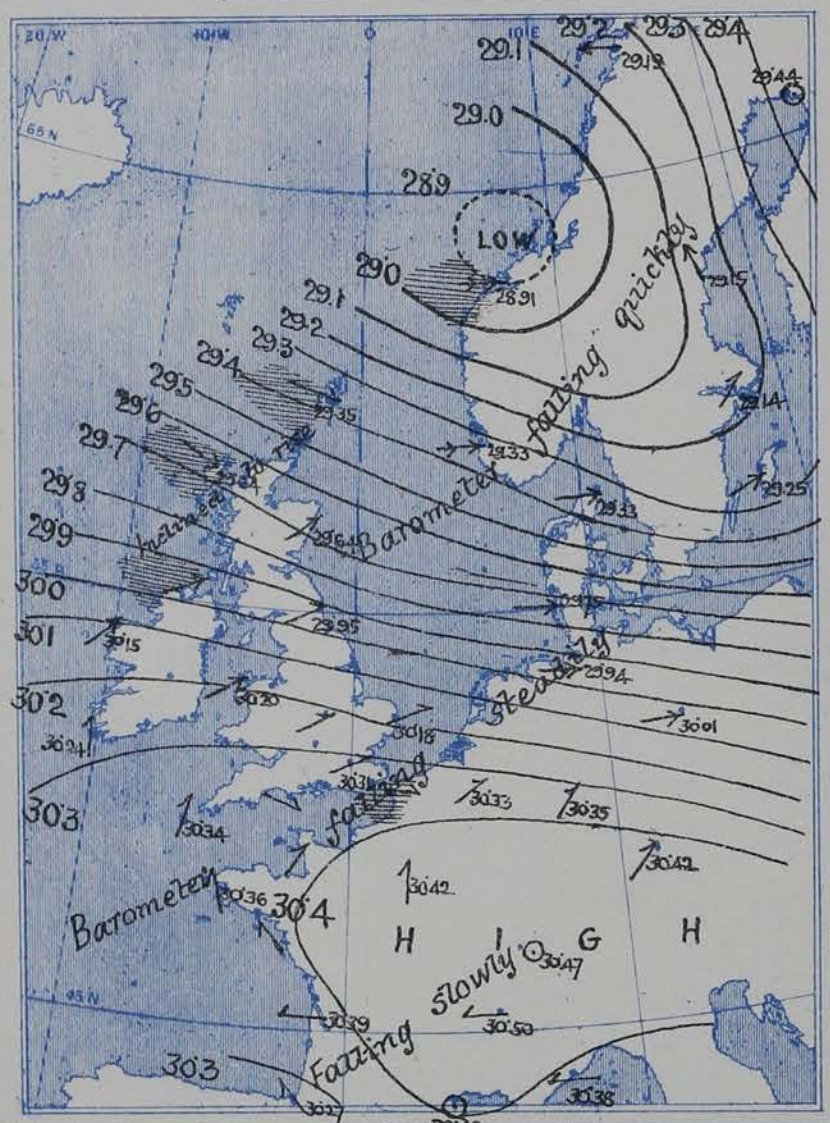
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓

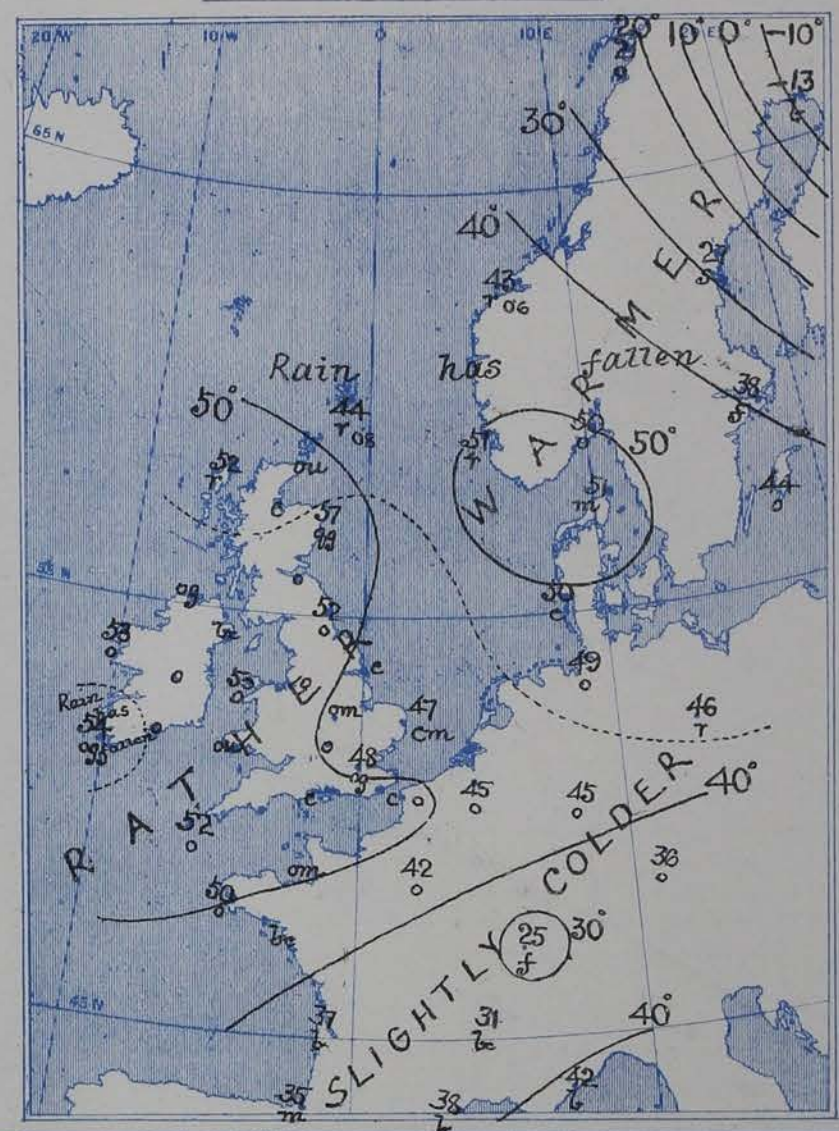


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 ins: and more to 30·3 ins: over France, South Germany, and the south of our Islands.
Lowest, 28·9 ins: in a depression near Christiansund.
Gradients still steep in the north of our Islands and over the North Sea
Barometer still falling at the western and northern stations, but has very little tendency to fall in the east and southeast of England.

TEMPERATURE

Highest, 57° to 55° in the East of Scotland and 54° to 50° on our southwest coasts and on the shores of the English Channel
Lowest, (1) −13° F. at Haparanda, +21° at Bodö, 27° at Hernösand; (2) 25° at Belfort.
These Scotch values are from 12° to 15° above the mean for November.

WIND

(1) Strong from between WNW. and WSW. in Scotland, and blowing a gale from W. in Norway.
(2) Moderate to fresh from the SW.ly on our western coasts, light from the W.ly in the English Channel.

WEATHER

Cloudy or overcast in our Islands generally, squally and rather rainy in Scotland, fair over the greater part of England.
Considerable rain has again fallen in the Shetlands and smaller quantities in the north of Scotland generally and over Scandinavia.
A little in North Germany and at Valencia.
Bright Sunshine recorded yesterday was 2·7 hours at Aberdeen, and 2·4 hrs at Llandudno, but only very small amounts were recorded elsewhere.

SEA

Rough in the extreme north and northwest, rather so at Cape Finisterre, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Yesterday morning's Continental observations that Barometric readings continued uniformly high, 30·5 ins: and more, over France, the south of England, and Germany, and lowest in the north of Russia, where the depression of the previous day was located, and cold weather was prevalent, with strong NW. winds.

Today the new depression off the west of Norway appears to be moving further northward than its predecessor, and the continued fall of the barometer on our extreme west and northwest coasts, with the high temperatures in Scotland suggest a continuance of, and further increase in, the strength of the SW. and S. winds in the western and northern districts shortly. The appearance is not threatening at present, but rain will probably increase in the west. Over Southern Europe there is no disturbance at present.

FORECASTS

For the 24 hours ending at NOON on 25th Nov.r 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W.ly to S.ly winds, strong; somewhat rainy.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	W.ly and SW.ly winds, moderate; cloudy, fair, mild.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SW.ly and S.ly winds, increasing in force; becoming rainy.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED AT PRESENT.

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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29·87	50	49	WNW	7	o	4
Sumburgh Head	29·87	49	49	W	5	r	6
Stornoway... ...	29·87	52	51	WNW	4	r	4
Aberdeen	29·88	57	51	SW	3	bc	3
Shields	30·11	51	48	WSW	4	o	2
Malin Head ...	30·13	52	50	WSW	5	o	5
Blacksod Pt.. ...	30·26	54	53	WSW	5	b	4
Holyhead	30·31	52	49	WSW	3	bc	2
Valencia	30·35	53	51	S	1	om	3
Scilly	30·42	55	52	SW	2	o	1
Jersey	30·48	54	50	ESE	1	o	1
Portland Bill ...	30·43	53	49	WNW	3	c	2
Dungeness ...	30·39	51	49	WNW	3	o	2
London (Westminster)	30·37	52	48	SW	1	ogm	*
Yarmouth ...	30·26	49	46	W	3	bc	3
Rochefort ...	30·43	55	52	ENE	3	b	*

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

Weather in morning fine and bright over the Mediterranean and southern Europe, fair and dry, but cloudy over Germany, France, and the greater part of our Islands; changeable over Russia and Sweden, but fine at time of observation. Rain later over Scandinavia (snow in places), much rain in the Shetlands, some in the north of Scotland.

Temperature in morning below Zero F. at Hafavanda, 19° at Archangel, 20° at St Petersburg, Moscow, and Riga; 28° at Karlstad, 31° to 32° over the south of Russia. Highest, 53° to 50° in Scotland, and rather lower on our southwestern and southern coasts. Rising to 58° in some parts of Scotland later, to 57° at Scilly, and to above 50° almost all over our Islands and the west of France.

Wind still NW^{1}, but less strong, over Russia and the Baltic, strong to fresh W^{1} to SW^{1} over Ireland and Scotland, light W^{3} over the south of England, E^{3} in the west of France. No change of importance later.

Barometer still highest (30·5 ins: and rising to 30·4 ins) over France and the south of our Islands. Lowest (1) 29·0 ins and less in the north of Russia; (2) 29·6 ins: and less, in a depression near the Shetlands, gradients steep over Russia and Scotland. Falling slightly and unsteadily in Ireland all day, rising over the Baltic, as the northern depression in Russia passed off.

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, 25th November, 1899.

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	-8	N	2	b	29.41	-.03	-17	-17	- 3	NW	2	bc	*	b	*	-8	-17	-
	Hernösand	29.24	22	NE	6	S	29.75	+.60	9	8	- 18	N	2	b	*	S	*	28	9	0.47
	Stockholm	29.01	30	NNW	8	o	29.76	+.62	21	20	- 17	NW	2	b	*	o	*	46	?	0.08
	Wisby	29.06	39	N	10	c	29.75	+.50	31	28	- 13	N	10	b	*	c	*	46	31	0.08
	Karlstad	29.41	33	NNW	8	b	29.86	+.76	30	26	- 16	NNW	2	b	*	b	*	*	*	-
	Bodö	29.88	19	E	4	b	29.64	+.45	26	24	+ 5	N	4	c	2	b	*	?	16	-
	Christiansund ...	29.51	34	W	6	o	29.95	+1.04	31	28	- 12	NW	8	c	6	o	*	28	30	0.24
	Skudesnaes ...	29.68	40	NNW	7	o	30.09	+0.76	36	35	- 15	NNE	2	o	3	c.o	*	51	36	*
	Færder (X'iania Fjord)	29.44	42	NW	6	b	29.94	+.82	39	33	- 11	W	6	b	4	b	*	52	37	-
	The Scaw (Skagen)	29.54	45	NNW	3	b	29.98	+.65	41	34	- 10	N	3	b	0	b	*	?	39	-
	Fanö	29.79	46	W	8	o	30.12	+.37	43	41	- 7	NW	4	c	*	o	*	52	43	0.04
	Sumburgh Head ...	29.86	38	N	3	o	30.09	+.74	37	35	- 7	NE	1	o	4	o	*	45	35	0.06
	Stornoway	29.92	45	SW	0	o	30.02	+.38	46	45	- 6	SW	0	o	0	p.o	0.8	52	41	0.20
	Wick	29.91	50	W	3	o	30.06	+.53	44	42	- 9	WSW	2	bc	8	o	*	54	42	0.07
	Nairn	29.94	45	SW	0	r	30.10	+.50	41	41	- 14	SW	0	om	1	rm	*	57	39	0.10
	Aberdeen	29.93	44	NNW	3	ogp	30.14	+.50	45	44	- 12	SSW	2	ogmd	2	cg.ogp	0.0	57	41	0.03
British Islands	Leith	29.93	53	WSW	1	o	30.14	+.33	48	48	- 4	SW	0	om	*	o	*	54	45	0.09
	Shields	29.94	52	SW	5	o	30.17	+.22	51	51	- 1	WSW	2	o	2	o.r	*	54	48	0.10
	Spurn Head ...	30.04	49	WSW	6	b	30.21	+.14	49	47	o	W	4	cw	3	b	*	53	46	-
	Loughborough ...	30.18	51	WSW	2	c	30.31	+.10	51	47	+ 1	WSW	2	o	*	c.o.bc.o	*	53	49	-
	Malin Head ...	30.01	51	WSW	5	om	30.17	+.20	51	51	- 2	SW	3	og	2	c.om	*	54	44	0.02
	Blacksod Pt. ...	30.11	53	SW	4	c	30.19	+.04	53	52	o	SW	4	c	3	c	*	54	51	-
	Donaghadee ...	30.06	52	W	5	ogg	30.20	+.14	51	50	+ 1	S	3	o	3	o	*	53	49	-
	Liverpool (Bidston)	30.14	52	WSW	5	o	30.29	+.12	51	46	o	SW	3	o	3	o	*	54	51	-
	Holyhead	30.17	53	WSW	3	og	30.29	+.09	52	49	- 1	WSW	1	c	1	c.og	*	53	49	-
	Parsonstown ...	30.18	49	SW	1	c	30.28	+.07	48	46	- 2	SSE	1	o	*	c	0.0	53	47	-
	Valencia	30.22	53	SSE	1	o	30.28	+.04	53	52	- 1	SSE	2	cm	2	o	0.0	55	52	0.01
	Roche's Point ...	30.24	52	WSW	4	o	30.33	+.04	53	52	o	WSW	1	om	3	o	*	54	50	*
	Pembroke (St. Ann's Hd.)	30.26	54	WSW	5	o	30.33	+.02	54	53	o	WSW	4	op	3	c	0.0	54	51	-
	Scilly	30.29	53	SSW	3	ow	30.34	.00	54	49	+ 2	SSW	1	c	1	o	0.0	57	49	-
	Jersey (St. Aubin's) ...	30.34	50	WSW	2	og	30.43	+.05	43	41	- 9	WNW	2	cm	2	c.og	*	53	39	-
	Portland Bill ...	30.32	53	NNW	4	o	30.39	+.03	52	49	o	NW	4	o	3	o	*	54	50	-
	Dungeness	30.28	52	W	3	o	30.35	+.02	49	47	- 2	WNW	3	c	2	c.o	*	52	48	-
	London (Brixton) ...	30.25	49	WNW	2	c	30.36	+.05	47	45	- 1	WSW	2	o	*	og.c	0.0	50	46	-
	Oxford	30.26	50	WSW	3	o	30.35	+.05	47	46	- 2	WSW	2	o	*	o	*	51	45	-
	Yarmouth	30.11	47	W	4	b	30.26	+.08	50	48	+ 3	W	2	bcm	3	bc.b	*	52	44	-
France & Netherlands. Germany.	Cuxhaven	29.84	51	W	8	o	30.16	+.22	45	42	- 4	NW	4	bc	*	o	*	50	43	0.04
	Berlin	29.88	49	W	6	o	30.09	+.08	43	41	- 3	W	4	b	*	c	*	50	43	0.16
	Wiesbaden	*	*	*	*	*	30.34	-.01	45	43	o	SW	3	c	*	*	*	48	45	-
	Munich	30.34	36	SW	3	b	30.44	+.02	34	33	- 2	SW	4	bc	*	b	*	43	32	-
	The Helder ...	30.03	52	WSW	5	c	30.23	+.09	49	48	- 1	W	0	o	2	c	*	52	48	0.04
	Brussels	*	*	*	*	*	30.32	-.01	46	44	+ 1	SW	2	o	*	o	*	49	44	-
	C. Gris Nez ...	30.28	52	NW	5	o	30.37	+.04	52	48	+ 1	WNW	3	o	3	o.	*	54	46	-
	Paris	30.38	45	SSW	2	o	30.44	+.02	41	39	- 1	NNE	2	m	*	o	*	48	41	-
	Brest	30.32	50	SSE	1	c	30.37	+.01	41	40	- 9	NE	1	b	1	c	*	54	36	-
	Lorient	30.38	48	E	2	bc	30.37	-.02	41	39	- 3	E	4	bc	5	bc	*	54	41	-
	Rochefort	30.33	45	ESE	1	b	30.35	-.04	37	35	o	E	3	b	*	b	*	54	34	-
	Belfort	30.39	36	W	0	[illegible]	30.47	.00	24	24	- 1	W	0	m	*	[illegible]	*	45	21	-
	Lyons	30.45	30	N	1	[illegible]	30.49	-.01	29	29	- 2	N	1	[illegible]	*	[illegible]	*	32	29	-
	Nice	30.34	45	SW	1	[illegible]	30.32	-.06	42	39	o	E	2	[illegible]	2	[illegible]	*	57	41	-
	Perpignan	30.34	45	SW	1	b	30.37	-.03	36	36	- 2	SW	2	b	*	b	*	58	35	-
	Biarritz	30.23	52	E	3	b	30.26	-.01	51	45	+ 16	SSE	2	b	0	b	*	?	35	-
Span. Pen.	Corunna																*			
	Lisbon	30.20	55	NNE	5	bc	30.23	.00	53	50	+ 1	NNE	4	c	*	bc	*	61	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·3 hrs.

WEATHER CHARTS

FOR Saturday, 25th November, 1899.

BAROMETER, WIND AND SEA.

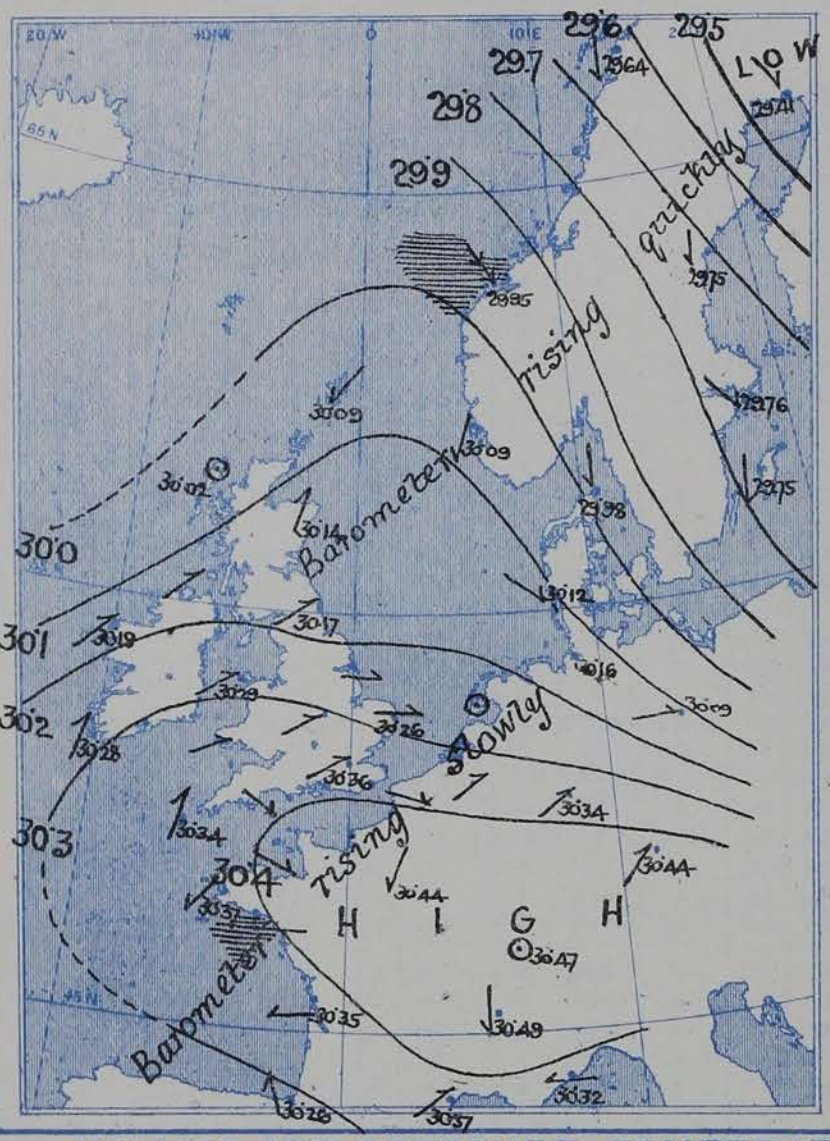
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

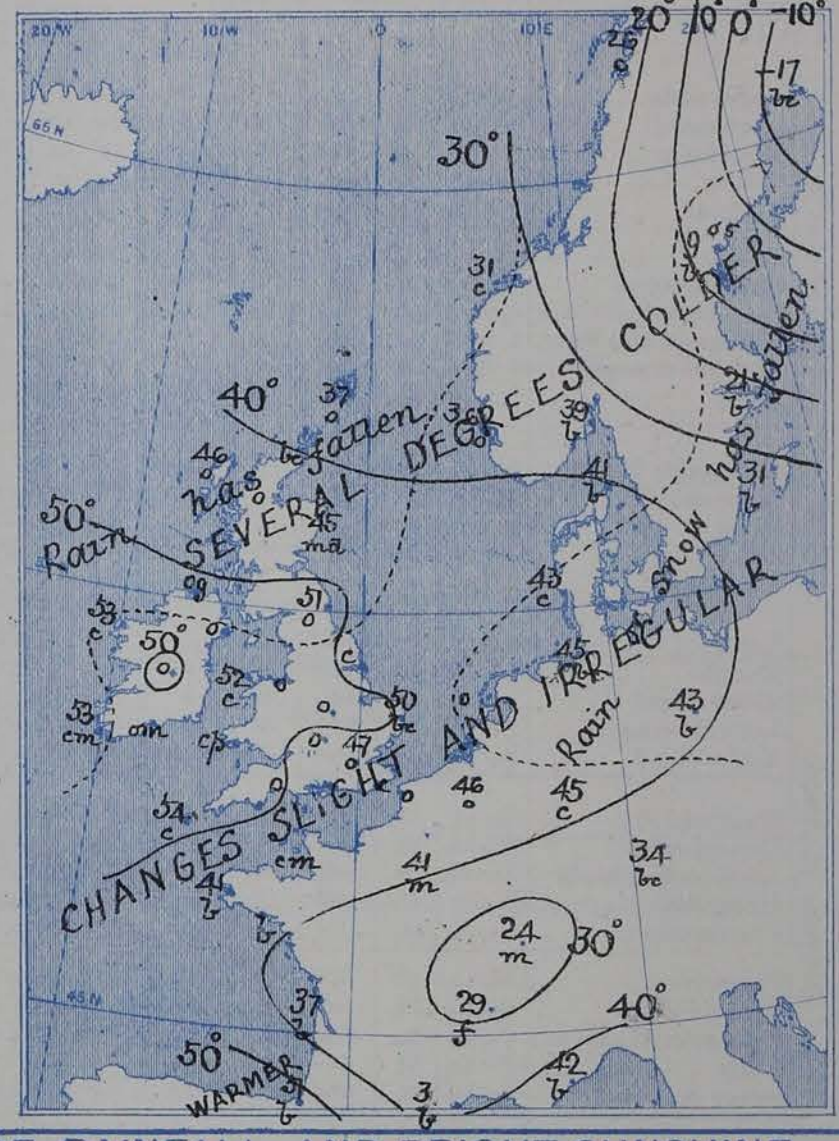


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·8	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·4 ins: and more over the greater part of France and South Germany and exceeding 30·3 ins: over the southern parts of our Islands.
Lowest; (1) 29·41 ins: at Haparanda; (2) Below 30·0 ins: to the northwestward of the Hebrides.
Gradients slight for SW^{ly} and S^{ly} winds in our Islands, moderate for N^{ly} breezes over Scandinavia.
Barometer rising in our Islands and over Scandinavia, rapidly at the most northern stations.

TEMPERATURE

Highest, 54° to 50° on the extreme western and southwestern coasts of our Islands, 47° in London.
Lowest, (1) −17° F. at Haparanda, +21° at Stockholm; (2) 24° at Belfort, 29° at Lyons, and 34° at Munich.
It has fallen very fast in the east and northeast of Scotland, but is still slightly above the mean even in these regions; over England and Ireland the air is very mild for the time of year.

WIND

(1) Light WNW to SW, and moderate over England, S^{ly} in Ireland, nearly calm in Scotland
(2) On the coast of Sweden there is a slight gale from N., but over France and the English Channel anticyclonic airs still prevail.
The Strong W^{ly} breezes reported in the north of Scotland yesterday have completely died down.

WEATHER

Fair but hazy over France, dull over our Islands, with slight rain in some places.
A little rain fell again yesterday at the northern stations and in North Germany.
Bright Sunshine recorded yesterday was 1 hour or less at our stations; in most places there was none.

SEA

Slight or smooth on our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Yesterday's Continental information showed that the anticyclone over western Europe still held, that the depressions over northern Europe were disappearing, and that over southern Russia the barometer was rising.

Last evening the barometer rose quickly to the northward of the British Isles, the strong W^{ly} winds died down, and temperature in Scotland fell considerably. This morning calms and light airs prevail in those regions, and at present there is no indication of the approach of any new disturbance from the Atlantic.

FORECASTS

For the 24 hours ending at NOON on 26th Nov^{r} 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^{ly} to S^{ly} or perhaps to SE^{ly} winds, light to moderate; rainy, colder.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Wind becoming more S^{ly}; cooler and probably damper.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S^{ly} breezes, freshening a little; some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as Nos 2 to 5
9	IRELAND NORTH	S^{ly} winds, moderate to fresh; some rain.
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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.38	44	41	NNW	8	c	5
Sumburgh Head	29.65	39	36	N	3	o	6
Stornoway... ...	29.81	49	48	NNW	4	o	4
Aberdeen	29.71	50	48	NW	4	c g q	3
Shields	29.90	54	49	SW	5	c	2
Malin Head ...	29.96	51	50	WSW	6	c	5
Blacksod Pt.. ...	30.11	54	52	SW	5	c	4
Holyhead	30.18	53	51	WSW	3	c	2
Valencia	30.21	55	53	SW	2	o	4
Scilly	30.29	55	52	SSW	3	o	1
Jersey	30.39	52	47	SW	3	c	3
Portland Bill ...	30.33	54	48	NW	4	o	2
Dungeness ...	30.29	52	50	W	3	c	2
London (Westminster)	30.27	53	48	NNW	2	o q	*
Yarmouth ...	30.12	50	47	WSW	4	o c	3
Rochefort ...	30.36	52	49	SE	1	o	*

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

Weather in morning fine over the southern half of Europe, cloudy in the more northern countries (excepting Finland) with slight snow or rain in several places. Some rainfall (rain or melted snow) at the northern stations later, as well as over Sweden, weather remaining fair over Spain, France, and the greater part of England and Ireland.

Temperature rising over Central Europe, very high over the United Kingdom, especially in the north, low over the Continent. Morning readings highest (1) 57° to 50° over Scotland and Ireland, 51° at Skudenaes; (2) 52° to 50° on our southern coasts and over Brittany; (3) 50° to 49° on the north coast of Germany. Lowest (1) −13° F. at Haparanda, +12° at Moscow, 14° at St Petersburg, 27° at Hernösand; (2) 25° at Belfast, 31° at Lyons, 42° at Paris. Remaining high over our Islands all day touching 57° at Nairn and Scilly, 54° at Cape Gris Nez, Brest, and Lorient, 57° at Nice and 58° at Perpignan

Wind light and variable (anticyclonic) over Spain, France, and the south of our Islands; stronger and mainly cyclonic over the more northern countries, and blowing very strongly from the westward, both in Scotland and the Baltic. E³ to SE³ over Finland. The W³ wind dying down at our northern stations later and veering to N., but a NW³ gale setting in over Denmark.

Barometer highest 30·5 in: to 30·4 in: in a rather complex anticyclone covering Spain, France, western Germany, and the south of our Islands. Lowest (1) 29·1 in: at Archangel; (2) 28·9 in: in a depression off Christiansund, and 29·2 in: in a secondary over the south of Sweden. Rising rapidly at our most northern stations later and rise spreading to Scandinavia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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 26th November, 1899.

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	29.71	5	W	2	b	29.75	+.34	14	12	+31	2	0	b	•	b	•	14	-18	—
	Hernösand	30.08	13	2	0	b	29.89	+.14	27	25	+18	S	2	0	•	b	•	29	3	—
	Stockholm	30.20	23	2	0	b	30.18	+.42	26	23	+4	2	0	0	•	b	•	34	19	—
	Wisby	30.22	32	NNW	6	b	30.29	+.54	36	32	+5	WNW	6	b	•	b	•	36	27	—
	Karlstad	30.25	27	W	2	b	30.09	+.23	37	35	+7	SW	4	c	•	c.s	•	•	•	—
	Bodö	29.56	32	WSW	6	s	29.33	−.31	33	29	+7	E	6	s	2	s	•	33	25	—
	Christiansund ...	30.12	36	NW	6	o	29.58	−.37	49	45	+18	SW	8	c	6	o	•	50	30	0.12
	Skudesnaes ...	30.27	42	SSE	4	o	30.02	−.07	48	48	+12	S	6	c	4	o	•	48	36	•
	Færder (X'iania Fjord)	30.25	36	NNW	2	b	30.06	+.12	45	44	+6	WSW	6	o	3	b	•	45	38	—
	The Scaw (Skagen)	30.29	42	2	o	b	30.30	+.32	42	40	+1	SW	5	o	1	b	•	42	36	—
	Fanö	30.39	43	NW	2	o	30.32	+.20	46	44	+3	SW	4	o	•	o	•	46	41	—
British Islands	Sumburgh Head ...	30.00	45	SW	2	o	29.58	−.51	50	49	+13	SW	4	r	5	o	•	51	37	0.07
	Stornoway	30.02	52	SW	4	o	29.64	−.38	54	52	+8	WSW	6	r	6	o	0.3	54	44	0.15
	Wick	30.05	47	W	3	c	29.68	−.38	52	50	+8	W	4	o	2	c	•	53	43	0.03
	Nairn	30.10	50	W	1	b	29.77	−.33	54	52	+13	WSW	5	c	3	b	•	54	39	—
	Aberdeen	30.16	50	SW	2	o	29.92	−.22	50	47	+5	SSW	6	orqw	3	cp.og	0.0	51	44	0.01
	Leith	30.22	51	WSW	2	o	30.04	−.10	51	47	+3	SW	4	bc	•	o	•	56	46	—
	Shields	30.27	51	WSW	1	o	30.19	+.02	50	47	−1	SW	2	bc	2	c.bw	•	55	47	—
	Spurn Head ...	30.36	50	WSW	3	c	30.32	+.11	48	45	−1	SW	3	c	4	c	•	51	46	—
	Loughborough ...	30.40	49	SE	1	o	30.40	+.09	48	45	−3	SW	3	o	•	c.om.o	•	53	46	—
	Malin Head ...	30.17	51	SSW	4	r	30.00	−.17	51	50	0	SW	6	og	5	c.r	•	54	49	0.03
	Blacksod Pt. ...	30.21	53	SW	4	c	30.11	−.08	55	53	+2	SW	6	o	5	c	•	55	52	0.01
	Donaghadee ...	30.26	51	SSW	3	c	30.19	−.01	47	46	−4	SSE	3	c	3	r.c	•	52	46	—
	Liverpool (Bidston)	30.26	51	SW	2	o	30.34	+.05	50	45	−1	SW	3	c	3	o	•	55	49	—
	Holyhead	30.33	53	WSW	2	c	30.34	+.05	51	47	−1	WSW	4	c	3	o.c	•	54	47	—
	Parsonstown ...	30.31	49	SE	1	bc	30.28	.00	48	45	0	SW	1	bc	•	bc	1.2	55	44	—
	Valencia	30.32	53	SSE	2	o	30.30	+.02	53	52	0	SSE	4	og	3	o.om	0.2	55	50	—
	Roche's Point ...	30.35	53	SW	3	bc	30.37	+.04	52	49	−1	SW	4	bc	3	bc	•	54	50	—
	Pembroke (St. Ann's Hd.)	30.39	54	W	2	c	30.39	+.06	52	50	−2	W	4	bc	2	c	1.1	55	51	—
	Scilly	30.38	54	SSE	1	c	30.40	+.06	48	45	−6	SE	1	c	0	c	1.5	50	45	—
	Jersey (St. Aubin's) ...	30.43	47	NNW	1	b	30.46	+.03	48	44	+5	ESE	3	b	3	bm.bw	•	54	39	—
	Portland Bill ...	30.44	52	WNW	1	o	30.46	+.07	48	45	−4	SSW	2	b	2	c.o	•	54	46	—
	Dungeness	30.41	52	S	1	o	30.44	+.09	52	49	+3	WSW	2	c	1	c.o	•	55	46	—
	London (Brixton) ...	30.43	50	SW	2	o	30.46	+.10	47	45	0	WSW	1	c	•	o	0.0	53	45	—
	Oxford	30.44	48	WSW	2	o	30.45	+.10	46	44	−1	SSW	1	o	•	o	•	52	45	—
	Yarmouth	30.33	51	W	2	b	30.39	+.13	47	45	−3	SW	2	cm	2	b	•	53	44	—
France & Netherlands. Germany.	Cuxhaven	30.37	45	NW	1	b	30.39	+.23	38	37	−7	S	3	o	•	b	•	46	34	—
	Berlin	30.39	42	WNW	3	o	30.45	+.36	38	36	−5	2	0	b	•	o	•	50	33	—
	Wiesbaden	•	•	•	•	•	30.48	+.14	45	44	0	SW	1	r	•	•	•	52	45	—
	Munich	30.48	37	SW	3	c	30.48	+.04	31	30	−3	SE	3	b	•	c	•	45	28	—
	The Helder ...	30.35	49	2	0	m	30.38	+.15	50	49	+1	WSW	1	c	0	m	•	52	48	—
	Brussels	•	•	•	•	•	30.49	+.17	45	45	−1	2	0	r	•	o	•	52	42	—
	C. Gris Nez ...	30.43	52	SW	1	o	30.44	+.07	50	48	−2	SW	1	o	1	o	•	55	48	—
	Paris	30.47	43	2	0	o	30.48	+.04	31	31	−10	NE	1	b	•	o	•	53	31	—
	Brest	30.38	46	E	1	b	30.39	+.02	45	44	+4	ESE	1	c	1	b	•	50	39	—
	Lorient	30.41	46	E	3	b	30.44	+.07	37	36	−4	SE	2	m	3	b	•	52	34	—
	Rochefort	30.41	41	E	3	b	30.43	+.08	33	32	−4	E	2	m	•	b	•	54	32	—
	Belfort	30.46	36	ENE	2	b	30.46	−.01	30	?	+6	ENE	4	m	•	b	•	43	24	—
	Lyons	30.51	31	ENE	1	f	30.52	+.03	29	29	0	W	1	f	•	f	•	?	?	—
	Nice	30.35	47	E	1	b	30.42	+.10	51	42	+9	E	3	b	3	b	•	55	41	—
	Perpignan	30.37	46	NE	1	b	30.42	+.05	44	42	+8	SW	1	o	•	b	•	57	36	—
	Biarritz	30.28	62	E	3	b	30.32	+.06	46	43	−5	SE	2	b	o	b	•	59	41	—
Span. Pen.	Corunna	30.18	57	E	1	bc	30.28		43	?		E	1	b	2	bc	•	59	39	?
	Lisbon	30.25	57	NNE	4	.0	30.26	+.03	55	51	+2	NNE	4	bc	•	o	•	63	53	—
	Azores (P. Delgada)	30.20	62	E	1	b	30.17	+.04	64	63	+1	E	2	c	3	b	•	70	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·0 *hrs.*

WEATHER CHARTS

FOR Sunday, 26th November, 1899.

BAROMETER, WIND AND SEA.

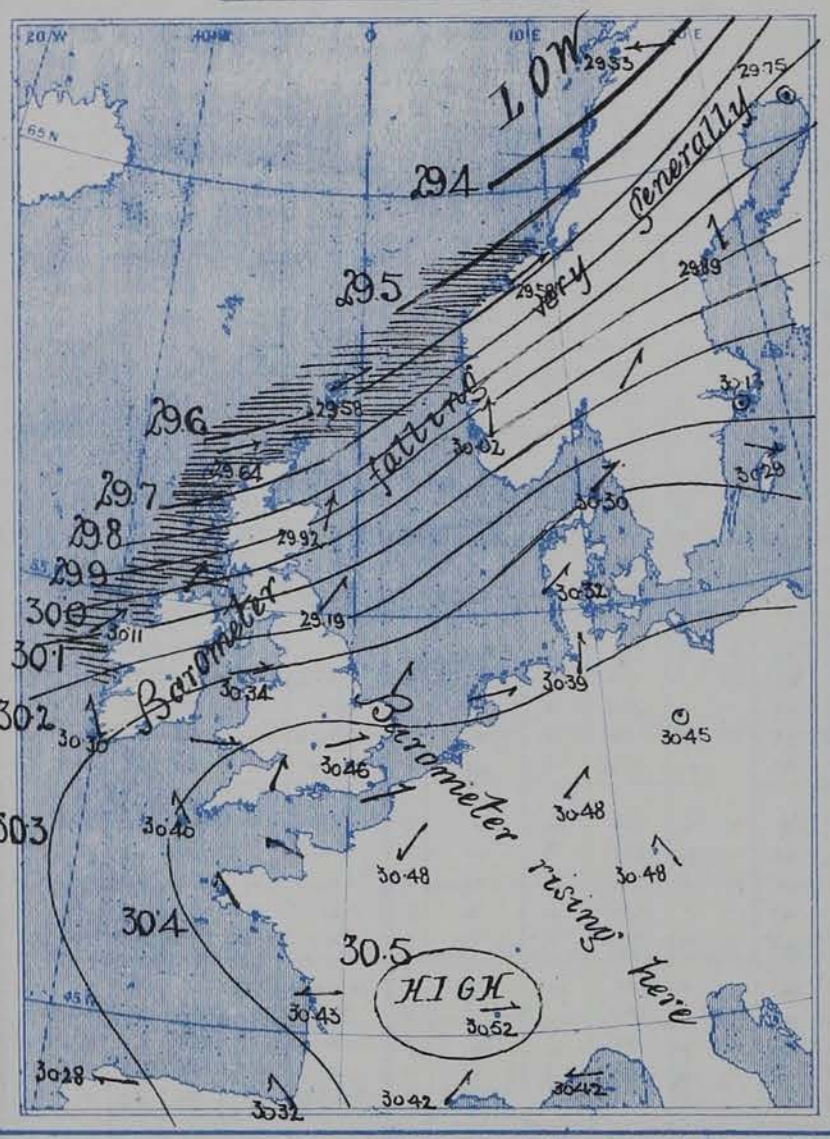
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓



TEMPERATURE AND 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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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, 30·52 ins: at Lyons; 30·4 ins: and upwards in an anticyclone lying over the whole of France, Germany, the Netherlands and the south of England.
Lowest, 29.4 ins: and less. in a depression lying over the northern parts of the Norwegian coasts.
Gradients steep over Norway and the northern parts of our Islands and the North Sea, moderate or slight elsewhere.
Barometer falling quickly in the north of our Islands and to a less extent in Scandinavia, but rising elsewhere.

TEMPERATURE

Highest (1) 55° at Blackrod Point, 54° at Stornoway and Nairn, and 53° at Valencia (Ireland), (2) 55° at Lisbon.
Lowest (1) 14° at Haparanda, 25° at Stockholm, and 27° at Hernösand and Karlstad; (2) 29° at Lyons and Belfort.
During yesterday the thermometer rose to between 52° and 55° in most parts of the United Kingdom, and to 56° at Leith Hully.

WIND

SW over northwestern Europe generally and strong in force on our own northern coasts, as well as in the west of Norway, with a gale at Christiansund.
Light from the E.ward or SE.ward in the west of France; variable in the Central and southern parts of that country.

WEATHER

Fine in the east and south of our Islands and also over France and the Spanish Peninsula.
Cloudy or dull elsewhere, with rain at Stornoway and Aberdeen, and snow at Bodö.
A little rain fell yesterday in the extreme north and northwest of our Islands and also in the west of Norway.

SEA

Slight or smooth generally, but rough in the north of Scotland and the west of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 27th NOVEMBER. 1899.

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	At 9·30 am to districts 0, 1, 6, and 9. "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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·23	41	37	NE	2	o	2
Sumburgh Head	30·04	45	44	S	2	o	4
Stornoway... ...	30·03	53	51	WSW	3	o	3
Aberdeen	30·13	49	42	SW	1	c	2
Shields	30·24	54	51	WSW	1	c	2
Malin Head ...	30·15	53	51	SSW	2	c	2
Blacksod Pt.. ...	30·18	54	53	SSW	4	c	4
Holyhead	30·32	54	52	WSW	3	o	2
Valencia	30·30	55	54	SSE	2	ow	3
Scilly	30·37	54	49	S	3	c	1
Jersey	30·43	52	47	SE	1	b	1
Portland Bill ...	30·41	54	51	NW	1	c	1
Dungeness ...	30·37	55	53	WNW	2	c	1
London (Westminster)	30·38	54	50	WNW	1	o	*
Yarmouth ...	30·30	52	50	W	2	c	3
Rochefort ...	30·38	50	47	E	1	b	*

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

Weather in morning fine and bright over the Mediterranean and the southern parts of the Continent; cloudy but fair over southern Russia, the British Islands and the North Sea; very unsettled over northern Europe and Russia, with rain in many places. Rain in small quantity later in the north of Ireland, the north of Scotland and the west of Norway; remaining dull and unsettled over the remainder of Western Europe.

Temperature again high over the United Kingdom as a whole, low over northern Europe and South Germany. Morning readings highest 50° to 54° on our west and southwest coasts; 51° at Biarritz, 53° at Lisbon. Lowest (1) −17° F. at Haparanda, +12° at Archangel, 26° at Bodö, 21° at Stockholm, 39° at Moscow; (2) 24° at Belfort, 30° at Limoges, 34° at Munich, but above 40° over Central Europe as a whole. Rising later to above 55° in many parts of our Islands, but not exceeding 45° in many parts of Germany.

Wind (1) N[1] to W[3] over northern and Central Europe, and blowing hard at some of the Baltic stations; (2) SW[1], light to moderate in the west of the British Isles; (3) light and anticyclonic over our Islands and France. Increasing from S. and SW. in Ireland later, the N[1] gale in the Baltic dying down.

Barometer in morning highest 30·4 ins. and more over France and the south of the British Isles, and exceeding 30·0 ins. all over the United Kingdom. Lowest 28·8 ins. at St Petersburg, and below 29·4 ins. over northern Europe generally. Rising in our Islands all day, but nearly clearing in west of Ireland during afternoon.

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 9 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, 27th November, 1899.

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	28.95	33	SW	6	S	28.49	-1.26	35	34	+ 21	SSW	2	d	*	S	*	35	3	0.47
	Hernösand	29.06	39	SW	2	0	28.88	-1.01	42	36	+ 13	W	6	0	*	0	*	?	10	—
	Stockholm	29.50	46	SW	6	0	29.22	-0.98	46	41	+ 21	W	9	b	*	0	*	46	21	—
	Wisby	29.79	41	WSW	8	c	29.39	-.90	45	43	+ 9	WNW	6	c	*	c	*	?	30	—
	Karlstad	29.47	48	W	8	0	29.38	-.71	46	39	+ 19	W	4	c	*	0	*	*	*	—
	Bodö	28.86	42	SW	7	r	28.50	-.83	37	37	+ 4	S	2	r	2	r	*	43	30	0.55
	Christiansund ...	29.01	47	SW	9	r	29.47	-.11	39	35	- 10	WSW	9	r	7	r	*	49	37	0.39
	Skudesnaes ...	29.64	50	W	8	0	29.80	-.22	45	43	- 3	NNW	4	0	3	r.0	*	50	43	*
	Færder (X'iania Fjord)	29.47	49	SW	8	b	29.45	-.61	50	43	+ 5	W	6	0	4	b	*	50	43	—
	The Scaw (Skagen)	29.70	47	W	6	m	29.59	-.71	47	45	+ 5	WNW	5	0	1	m	*	50	39	0.04
	Fanö	30.05	47	SW	6	r	29.96	-.36	49	48	+ 3	WSW	5	c	*	r	*	50	46	0.20
British Islands	Sumburgh Head ...	29.46	49	W	7	c	29.77	+.19	47	44	- 3	W	4	0	6	0	*	52	46	0.13
	Stornoway	29.78	50	NNW	4	0	29.93	+.29	51	50	- 3	NNW	5	0	5	p.q.c	0.2	54	44	0.30
	Wick	29.71	51	SW	6	c	29.89	+.21	52	50	0	W	2	0	3	c	*	56	46	0.05
	Nairn	29.79	55	WSW	3	r	29.96	+.19	54	52	0	W	2	c	2	r	*	55	47	0.05
	Aberdeen	29.78	55	SW	3	bc	29.99	+.07	51	48	+ 1	SW	2	om	2	p.bc	0.0	56	43	0.06
	Leith	29.89	52	WSW	5	bc	30.11	+.07	54	52	+ 3	W	4	0	*	bc	*	55	48	0.01
	Shields	30.05	52	SW	4	ou	30.16	-.03	54	52	+ 4	WSW	3	c	2	o.p	*	54	49	—
	Spurn Head ...	30.20	49	SW	6	c	30.19	-.13	52	50	+ 4	WSW	4	c	3	c	*	53	47	—
	Loughborough ...	30.33	49	SSW	3	0	30.32	-.08	53	51	+ 5	WSW	2	om	*	c.bc.om	*	54	47	—
	Malin Head ...	30.00	52	WSW	6	m	30.20	+.20	50	50	- 1	W	5	omp	4	m	*	54	50	0.08
	Blacksod Pt. ...	30.17	53	WSW	5	0	30.28	+.17	52	51	- 3	WSW	4	rm	4	o.op	*	55	49	0.07
	Donaghadee ...	30.08	54	WSW	4	oqq	30.28	+.09	52	51	+ 5	W	3	c	3	oqq	*	54	47	0.02
	Liverpool (Bidston)	30.27	49	SSW	5	0	30.32	-.02	50	49	0	WSW	4	0	4	0	*	52	49	—
	Holyhead	30.25	52	WSW	6	om	30.33	-.01	52	50	+ 1	WNW	5	om	4	om	*	53	47	—
	Parsonstown ...	30.26	53	SW	1	0	30.37	+.09	51	50	+ 3	SW	1	0	*	0	0.0	54	47	—
	Valencia	30.35	54	SW	3	od	30.48	+.18	52	52	- 1	SW	2	0	3	o.d	0.4	57	52	0.04
	Roche's Point ...	30.35	52	SW	4	b	30.43	+.06	54	51	+ 2	WNW	3	c	2	b	*	54	50	—
	Pembroke (St. Ann's Hd.)	30.35	53	SW	4	c	30.39	.00	54	52	+ 2	W	4	ov	3	c	3.6	52	51	—
	Scilly	30.39	51	WSW	1	bc	30.46	+.06	54	52	+ 6	W	3	cw	1	bc	7.5	56	45	—
	Jersey (St. Aubin's) ...	30.43	48	SSE	3	bm	30.49	+.03	46	44	- 2	W	3	bcm	3	b.bw	**	52	44	—
	Portland Bill ...	30.45	49	SW	3	c	30.46	.00	53	52	+ 5	NW	4	0	3	c	*	53	46	—
	Dungeness	30.41	48	W	2	bc	30.39	-.05	51	50	- 1	W	4	0	3	bc	*	54	43	—
	London (Brixton) ...	30.39	41	WSW	2	bc	30.40	-.06	48	46	+ 1	WSW	3	c	*	bc.b	1.6	54	43	—
	Oxford	30.40	46	SW	2	0	30.39	-.06	50	49	+ 4	SW	2	0	*	c.0	*	53	45	—
	Yarmouth	30.38	47	WSW	2	bcm	30.27	-.12	50	48	+ 3	WSW	3	bcm	3	bc.bcm	*	52	44	—
France & Netherlands. Germany.	Cuxhaven	30.26	46	SW	3	0	30.04	-.35	48	47	+ 10	W	1	r	*	0	*	48	38	0.12
	Berlin	30.34	39	SW	3	0	30.13	-.32	46	43	+ 8	WSW	4	r	*	0	*	48	38	—
	Wiesbaden	*	*	*	*	*	30.45	-.03	37	37	- 8	SW	1	0	*	*	*	48	37	—
	Munich	30.49	39	E	0	0	30.49	+.01	30	30	- 1	W	4	c	*	0	*	45	28	—
	The Helder ...	30.29	51	SW	2	bc	30.21	-.17	51	50	+ 1	W	4	0	3	bc	*	54	50	—
	Brussels	*	*	*	*	*	30.43	-.06	41	40	- 4	SW	4	0	*	c	*	53	40	—
	C. Gris Nez ...	30.42	50	W	4	0	30.41	-.03	51	49	+ 1	W	5	0	5	0	*	54	48	—
	Paris	30.47	39	E	1	b	30.55	+.07	31	31	0	S	2	fog	*	b	*	53	31	—
	Brest	30.43	49	SSW	1	0	30.52	+.13	50	49	+ 5	SSW	1	b	1	0	*	52	41	—
	Lorient	30.50	43	E	1	bc	30.53	+.09	44	42	+ 7	ENE	2	bc	2	bc	*	46	36	—
	Rochefort	30.46	36	E	2	m	30.50	+.07	34	33	+ 1	E	2	m	*	m	*	37	30	—
	Belfort	30.48	34	E	3	m	30.61	+.15	24	24	- 6	ENE	2	fog	*	m	*	45	23	—
	Lyons	30.54	32	W	1	f	30.61	+.09	29	29	0	W	1	fog	*	f	*	52	29	—
	Nice																*			
	Perpignan														*		*			
	Biarritz	30.36	49	E	1	b	30.44	+.12	41	37	- 5	ESE	3	m	?	b	*	55	39	—
Span. Pen	Corunna																*			
	Lisbon	30.29	57	NNE	5	b	30.32	+.06	52	49	- 3	NNE	5	b	*	b	*	63	52	—
	Azores (P. Delgada)	30.18	64	SE	4	b	30.15	-.02	64	64	0	S	4	r	4	b	*	66	61	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 1.5 hrs.

WEATHER CHARTS

FOR Monday 27th November, 1899.

BAROMETER, WIND AND SEA.

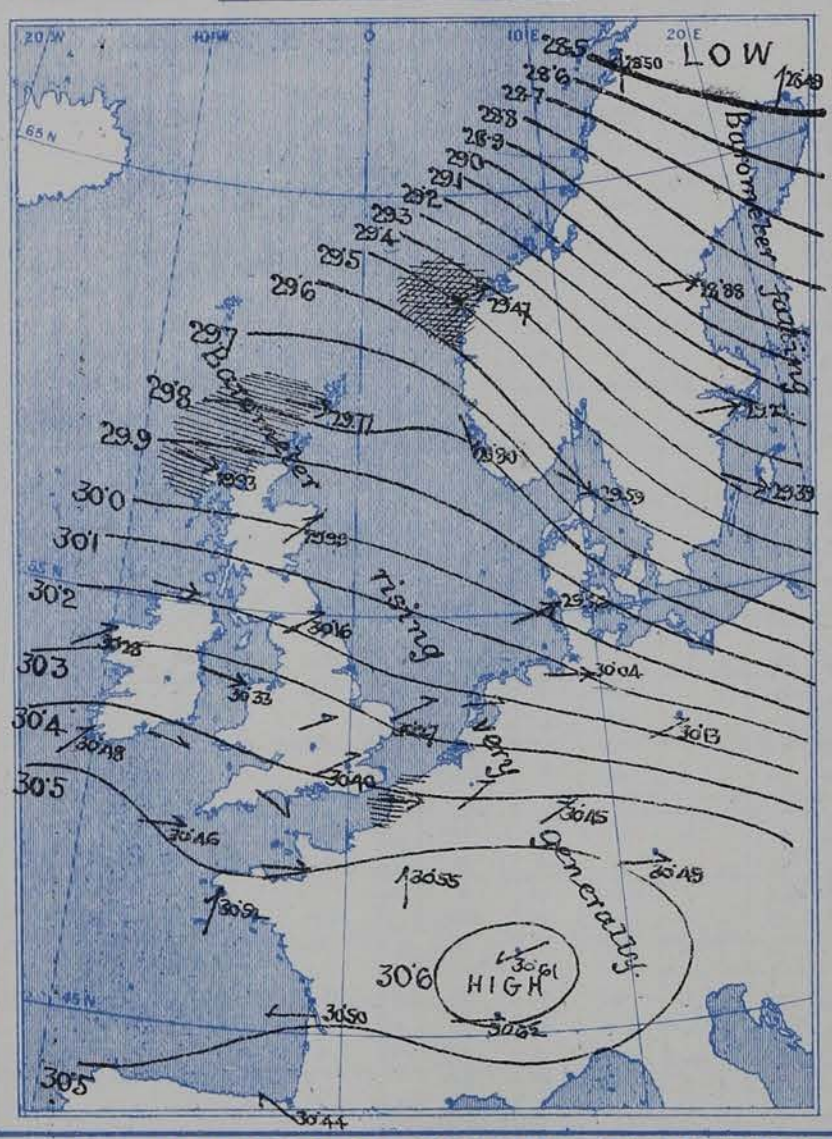
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟩⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓

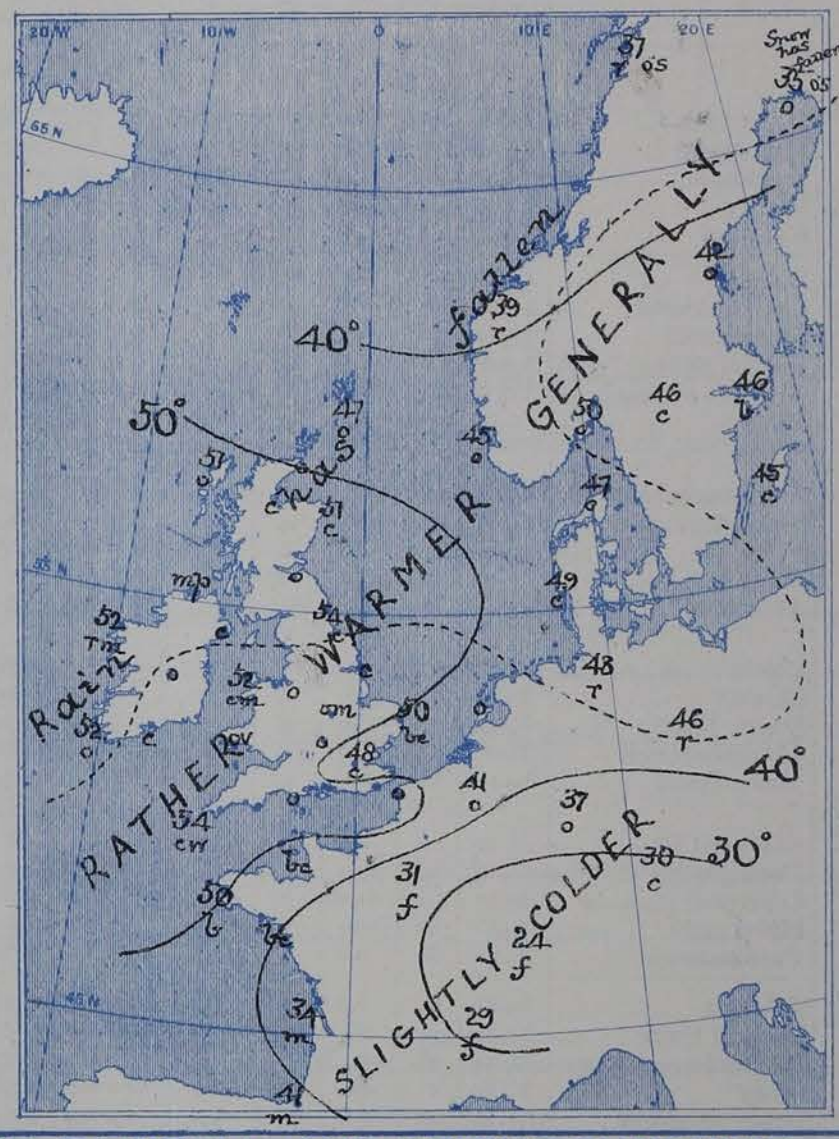


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·8	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* Extremes of temperature at these Stations are from observations made during the 15 years—1881-95. † The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·6 ins: and more to 30·4 ins: over France and the southern parts of England and Ireland.
Lowest, Below 28·5 ins: over Lapland; 29·0 ins: and less in the north of Scotland.
Gradients steep over the northern parts of Scandinavia, moderate over our Islands.
Barometer rising in all parts of our Islands and France.

TEMPERATURE

Highest, 54° to 50° on the western and southern coasts of our Islands, 53° at Loughborough, 48° in London.
Lowest, (1) 35° at Haparanda, 42° at Hernösand; (2) 24° at Belfort, 29° at Lyon, 30° at Munich, 31° at Paris.
The maxima recorded yesterday exceeded 50° in all parts of our Islands and reached 56° at some of the Scotch stations, 57° at Valencia (Ireland). In Germany they did not reach 50°, and at Rochefort the highest reading did not exceed 37°.

WIND

(1) W' and SW' over our Islands, and moderate to light in force; (2) Light and anticyclonic over France, (3) over the northern and eastern parts of Scandinavia it is strong to a gale in force. It blew strongly at some of our most northern stations yesterday.

WEATHER

Fair but cloudy over our Islands generally, unsettled in Norway, with rain in places; fine but foggy over France.
Rain has fallen in Scotland, in Denmark, and some parts of Scandinavia and the north of Ireland; also at Cuxhaven.
Bright Sunshine recorded yesterday amounted to 7·5 hrs at Scilly, 3·6 hrs at Llandudno and Pembroke, but was very slight over Ireland and Scotland.

SEA

Still rough in the far north, moderate in the northwest, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of W' to S' winds is probable – blowing strongly at times in the northwest and north.

FORECASTS

For the 24 hours ending at NOON on 28th Nov: 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
↓ 0 SCOTLAND NORTH	Wind backing to SW. again and increasing with rain.	↓ 6 SCOTLAND WEST	Wind backing to SW or S. again and increasing; mild, some rain at times.
↓ 1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	W' and SW' winds, moderate or light; fair, milder.	8 ENGLAND S.W.	
3 ENGLAND EAST		↓ 9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	The SOUTH CONE is still flying in districts 0, 1, 6, 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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29.78	50	48	SW	7	r	4
Sumburgh Head	29.43	50	49	W	7	o	6
Stornoway... ...	29.65	53	50	WNW	7	o a	7
Aberdeen							
Shields							
Malin Head ...	29.94	52	52	WSW	7	m	6
Blacksod Pt.. ...	30.09	54	53	WSW	6	o	5
Holyhead							
Valencia							
Scilly	30.38	52	45	WSW	1	be	0
Jersey	30.49	51	46	SE	3	b	3
Portland Bill ...							
Dungeness ...	30.42	50	49	WSW	2	be	1
London (Westminster)							*
Yarmouth ...	30.35	51	48	SW	3	be	2
Rochefort ...	30.46	36	35	ENE	2	m	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 19TH TO THE 25TH NOV: 1899.

During the past week pressure has been continuously high and very uniform over Spain, France, and the southern parts of our Islands, and at times the high pressure area has extended temporarily eastwards to southeastern Europe, and northwards in the form of a ridge to Scandinavia. Within the area the barometer has varied from a little above 30·5 ins: to 30·3 ins: in height, and though slightly unsteady at times has not changed much. In the extreme northwest and north depressions of considerable size have appeared from time to time causing SW^{ly} to W^{ly} or NW^{ly} gales and strong winds, accompanied by frequent, but not heavy rains, and somewhat similar conditions have been felt over the Baltic and North Germany.

Temperature as a whole has been low over northern and central Europe, high over the British Islands & their neighbourhood. On Thursday a maximum of 58° was recorded at Wick and 55° in the northwest of Ireland; on Friday 57° was registered both at Scilly, Aberdeen, Nairn, and after a slight temporary chill on Saturday morning the thermometer speedily rose again to 55° and more in several places.

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 Boo[illegible]st, £1 0 0 per annum.
" Weekly " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 28th November, 1899.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Baron. 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	28·89	34	NW	6	o	29·19	+·70	22	21	— 13	NE	0	b	*	o	·	36	22	0·08
	Hernösand	29·32	39	WSW	9	b	29·43	+·55	33	30	— 9	NE	0	s	*	b	·	43	−4	—
	Stockholm	29·62	39	WSW	6	b	29·56	+·34	36	34	— 10	SW	2	o	*	b	·	46	32	—
	Wisby	29·64	44	WNW	6	b	29·65	+·26	42	40	— 3	WSW	4	o	*	b	·	45	37	—
	Karlstad	29·70	40	NW	4	b	29·53	+·15	44	43	— 2	SW	2	o	*	b	·	*	*	—
	Bodö	29·30	35	NW	5	o	29·19	+·69	36	34	— 1	SSW	5	s	3	o	·	37	32	—
	Christiansund ...	29·66	37	WSW	5	r	29·26	−·21	51	48	+ 12	WSW	9	r	7	r	·	51	37	0·51
	Skudesnaes ...	29·83	50	NW	6	r	29·86	+·06	50	49	+ 5	W	2	o	3	o,r	·	50	41	*
	Færder (X'iania Fjord)	29·72	47	W	4	b	29·60	+·15	51	49	+ 1	WSW	6	o	4	b	·	51	46	—
	The Scaw (Skagen)	29·81	49	NW	5	m	29·80	+·21	49	48	+ 2	W	4	m	1	m	·	50	46	—
	Fanö	30·10	49	WNW	5	c	30·11	+·15	49	48	0	WNW	5	o	*	c	·	50	48	—
British Islands	Sumburgh Head ...	29·75	50	W	5	r	29·61	−·16	52	52	+ 5	W	7	r	6	r	·	52	47	0·20
	Stornoway	29·98	52	WNW	5	o	29·85	−·08	55	54	+ 4	W	7	r	7	o	0·0	55	49	0·10
	Wick	29·93	54	W	5	c	29·81	−·08	55	53	+ 3	W	6	cw	3	c	·	58	50	0·02
	Nairn	30·04	53	WSW	4	bc	29·91	−·05	54	51	0	WSW	5	c	2	bc	·	55	51	—
	Aberdeen	30·04	54	SW	3	bc	29·95	−·04	56	51	+ 5	SW	6	cgl	3	bc	0·4	57	49	—
	Leith	30·18	52	W	3	o	?30·11	·00	53	50	— 1	WSW	6	o	*	o	·	54	50	—
	Shields	30·24	54	WSW	3	c	30·20	+·04	54	51	0	WSW	4	c	2	o,c	·	55	50	—
	Spurn Head ...	30·29	51	W	4	bc	30·33	+·14	46	45	— 6	SW	4	bc	2	bc	·	52	45	—
	Loughborough ...	30·39	50	W	2	b	30·43	+·11	45	44	— 8	SW	1	bcw	*	c,bc,bw	*	56	42	—
	Malin Head ...	30·23	51	WSW	5	ow	30·16	−·04	53	51	+ 3	WSW	7	ow	5	f,ow	*	54	50	—
	Blacksod Pt. ...	30·21	54	SW	4	c	30·29	+·01	54	51	+ 2	SW	5	c	4	op,c	·	54	51	—
	Donaghadee ...	30·31	54	WSW	4	og	30·29	+·01	49	48	— 3	SW	4	bc	3	o	·	54	47	—
	Liverpool (Bidston)	30·39	51	WSW	3	o	30·41	+·09	49	47	— 1	SW	2	bc	2	o	·	53	48	—
	Holyhead	30·39	53	SW	1	cw	30·41	+·08	52	50	0	WSW	3	bc	2	c,ow	·	54	50	—
	Parsonstown ...	30·40	52	SE	1	o	30·40	+·03	46	45	— 5	SE	1	o	*	o	0·0	53	44	—
	Valencia	30·43	52	S	2	bc	30·42	−·06	52	50	+ 2	SSW	3	o	4	o,bc	0·0	57	51	—
	Roche's Point ...	30·46	53	WSW	2	c	30·46	+·03	53	51	— 1	WSW	1	bc	2	c	·	55	50	—
	Pembroke (St. Ann's Hd.)	30·47	53	WNW	3	c	30·48	+·09	54	52	0	WSW	4	cw	2	c	0·0	54	51	—
	Scilly	30·48	54	W	4	c	30·50	+·04	53	50	— 1	SW	3	c	1	c	4·4	58	50	—
	Jersey (St. Aubin's) ...	30·51	54	WSW	2	ow	30·55	+·06	52	50	+ 6	WNW	2	ow	2	ow	·	55	44	—
	Portland Bill ...	30·46	54	WNW	4	o	30·52	+·06	53	50	0	WNW	3	o	2	o	·	54	50	—
	Dungeness	30·43	52	W	3	o	30·50	+·11	49	48	— 2	WNW	2	o	1	o	·	54	48	—
	London (Brixton) ...	30·42	53	W	2	o	30·50	+·10	47	46	— 1	SW	1	o	*	o,c	0·0	55	46	—
	Oxford	30·45	46	NE	0	b	30·50	+·11	40	40	— 10	SSW	1	f	*	c,b	·	56	40	—
	Yarmouth	30·32	53	W	3	bc	30·40	+·13	45	44	— 5	W	3	bcw	3	c,bc	·	54	43	—
France & Netherlands. Germany.	Cuxhaven	30·17	50	W	4	o	30·23	+·19	48	48	0	W	5	o	*	o	·	50	45	0·04
	Berlin	30·13	50	W	5	o	30·23	+·10	50	47	+ 4	W	5	o	*	o	·	52	46	—
	Wiesbaden	*	*	*	*	*	30·49	+·04	46	44	+ 9	SW	4	o	*	*	*	48	37	—
	Munich	30·50	41	SW	4	c	30·54	+·05	42	40	+ 12	SW	3	o	*	c	·	42	30	—
	The Helder ...	30·34	52	W	4	o	30·36	+·14	50	48	— 1	WSW	3	o	3	o	·	54	50	—
	Brussels	*	*	*	*	*	30·51	+·08	44	44	+ 3	SW	2	f	*	r	·	46	41	0·04
	C. Gris Nez ...	30·43	53	W	4	o	30·48	+·07	50	49	— 1	WNW	4	o	4	o	·	54	48	—
	Paris	30·56	35	S	2	o	30·57	+·02	39	?	+ 8	SSE	2	o	*	o	·	?	?	—
	Brest	30·53	54	SSW	1	o	30·55	+·03	48	43	— 2	E	1	b	2	o	·	55	45	—
	Lorient	30·54	50	SE	1	m	30·58	+·05	37	36	— 7	E	3	m	2	m	·	54	36	—
	Rochefort	30·54	36	E	2	f	30·56	+·06	33	32	— 1	ENE	3	m	*	m,f	·	39	30	—
	Belfort	30·57	28	W	1	m	30·59	−·02	22	22	— 2	SSW	3	f	*	m	·	37	22	—
	Lyons	30·62	29	N	1	f	30·63	+·02	30	30	+ 1	NW	1	f	*	f	·	?	?	—
	Nice	30·42	46	E	1	b	30·43	−·05	43	41	— 1	E	6	b	1	b	·	57	41	—
	Perpignan	30·46	43	NE	0	b	30·46	−·01	30	28	— 25	SW	1	b	*	b	·	59	29	—
	Biarritz	30·44	40	E	3	m	30·44	·00	28	28	— 13	ESE	3	m	2	m	·	52	28	—
Span. Pen.	Corunna																·			
	Lisbon	30·30	57	NNE	4	b	30·34	+·02	53	50	+ 1	NE	5	b	*	b	·	63	52	—
	Azores (P. Delgada)	30·11	65	SSE	4	bc	30·04	−·11	65	64	+ 1	SE	5	o	5	bc	·	68	63	—

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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0·0 *hrs.*

WEATHER CHARTS

FOR Tuesday, 28th November, 1899.

BAROMETER, WIND AND SEA.

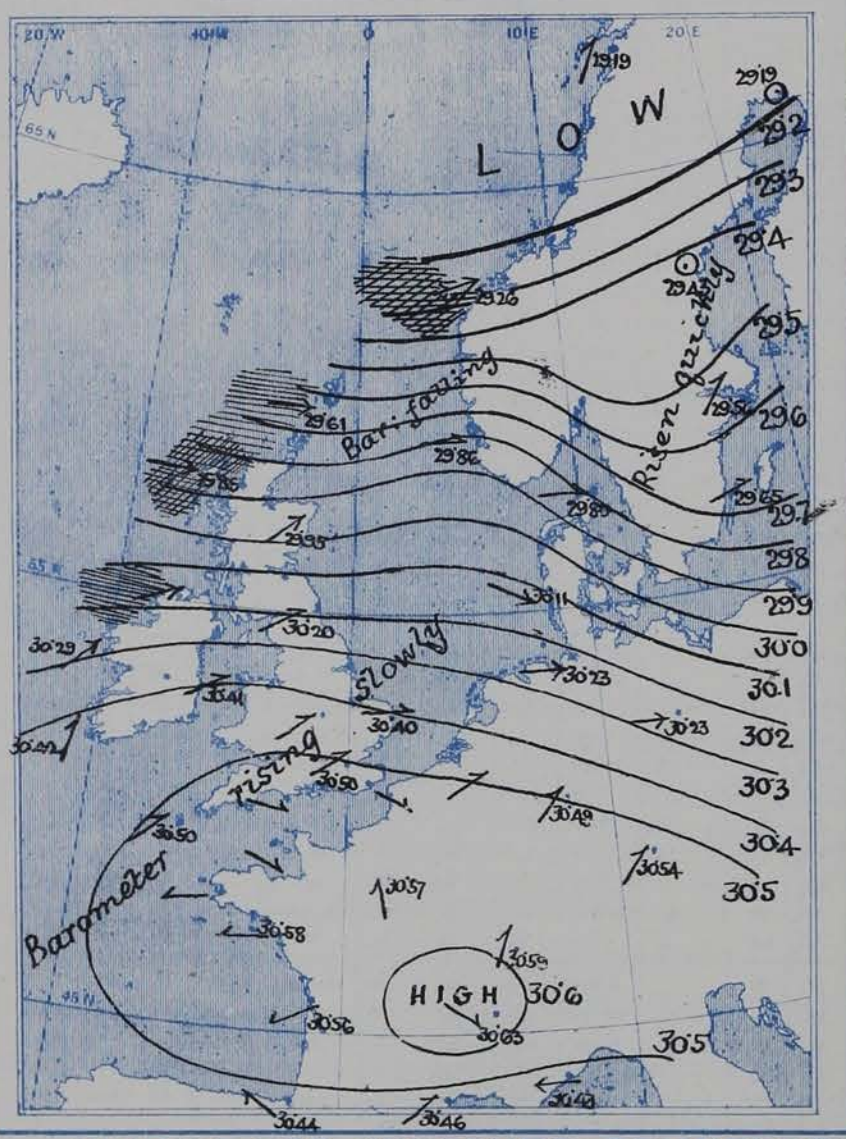
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟫⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ➤⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough ▒ : *High* ▓

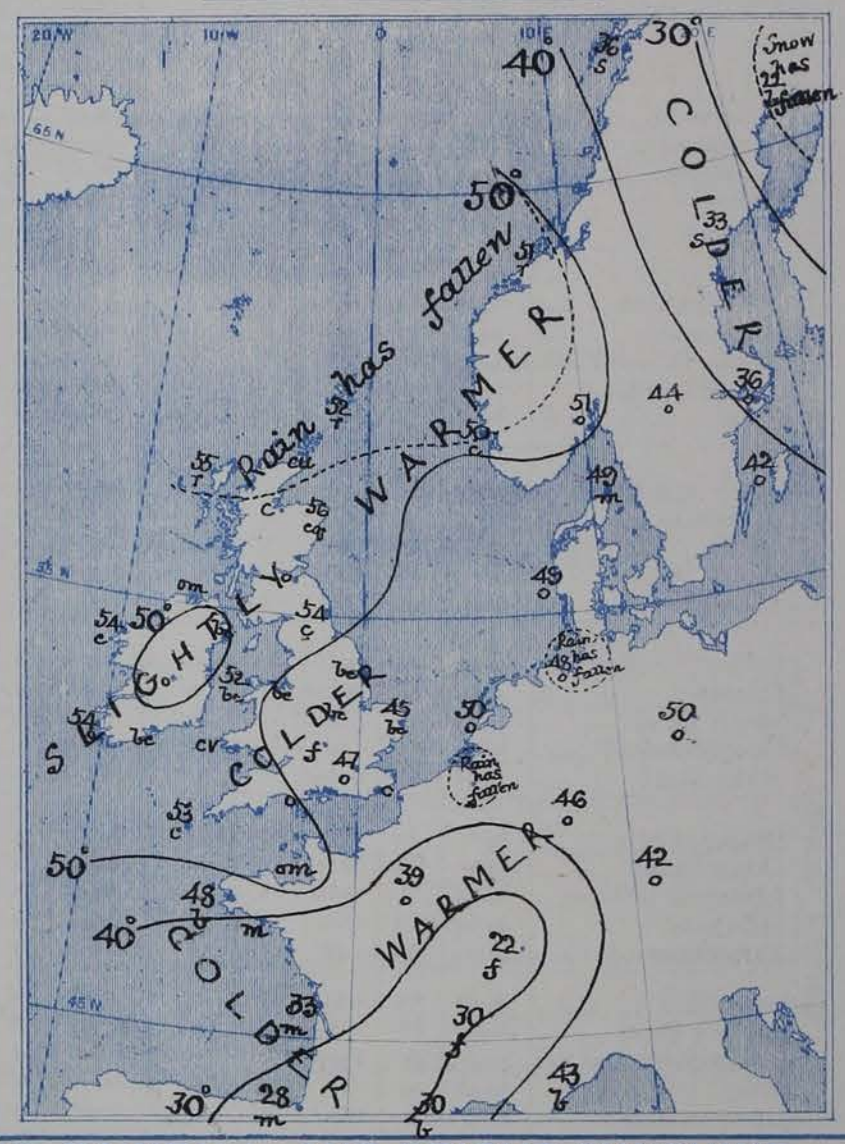


TEMPERATURE AND WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 30.63 ins. at Lyons, 30.2 ins. and upwards in an anticyclone covering the whole of Ireland, England, France, Germany and the Netherlands.
Lowest 29.2 ins. and less in a depression over the Nᵗʰ. parts of Scandinavia.
Gradients rather steep in the N., but moderate or slight elsewhere.
Barometer rising generally, but steady in the N. of Scotland & falling on the Norwegian coasts

TEMPERATURE

Highest 56° at Aberdeen, 55° at Stornoway & Wick, and 54° at Nairn, Shields, Blackpool Point, Valencia and Pembroke.
Lowest (1) 22° at Haparanda, and 33° at Hernösand; (2) 22° at Belfort, 28° at Biarritz, and 30° at Lyons and Perpignan.
During yesterday the thermometer rose to 55° and upwards in many parts of the United Kingdom, & to 58° at Wick and Scilly.

WIND

SW. ly or W. ly over northwestern Europe generally; strong in force on our own northern coasts, and blowing a gale at Christiansund.
Light from the Sᵗʰ. over central France and from the Eᵃˢᵗ. in the west of that country, strong from the latter quarter at Nice.

WEATHER

Fine at many of the English and Irish stations, and also in the extreme S. of France.
Cloudy or dull elsewhere, with fog over Belgium and central France, and rains in the Shetlands and Hebrides and at Christiansund; snow was falling at Bodö and Hernösand.
A little rain fell yesterday in the N. of Scotland, but in other parts of our Islands the weather remained dry.

SEA

High at Christiansund and Stornoway, and rough on our extreme N. and NW. coasts generally, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The latest reports give no indication of any change in the distribution of pressure over Europe as a whole. The anticyclone whose NWʳᵈ. margin stretches over England and Ireland is a very large system embracing all the more central and Sᵗʰ. parts of the Continent. Cyclonic disturbances continue to move Eᵃˢᵗ. across Scandinavia and Nᵗʰ. Russia, their advance from the Atlantic producing in each case strong SW. ly and W. ly winds and rain on our own extreme Nᵗʰ. and NW. coasts.

For the present these conditions seem likely to hold, so that over the greater part of the United Kingdom the weather for the next day or two will probably remain mild and dry, with varying amounts of cloud in the different districts.

FORECASTS

For the 24 hours ending at NOON on 29TH NOVEMBER 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W. ly winds, strong at first, but moderating later; some showers at first, then fair.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	SW. ly and W. ly winds, light or moderate; fair generally.
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	SW. ly winds, moderate; fair generally.
8	ENGLAND S.W.	
9	IRELAND NORTH	S. ly and SW. ly winds, fresh, in eastern part of districts, some rain in west.
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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29·84	46	44	NNW	4	o	3
Sumburgh Head	29·69	50	50	W	5	r	6
Stornoway... ...	29·96	53	52	WNW	5	o	5
Aberdeen	30·01	54	49	SW	2	be	2
Shields	30·21	53	50	WSW	2	o	2
Malin Head .	30·22	50	50	W	5	f	4
Blacksod Pt.. .	30·29	53	52	SW	4	op	4
Holyhead ...	30·31	53	51	W	3	c	2
Valencia	30·42	55	53	SSW	2	o	4
Scilly	30·48	56	54	W	3	c	1
Jersey	30·52	55	52	WSW	3	o	3
Portland Bill ...	30·46	54	52	WNW	4	o	3
Dungeness ...	30·41	53	53	W	3	o	2
London (Westminster)	30·39	57	53	SW	2	og	*
Yarmouth ...	30·27	54	52	W	3	c	3
Rochefort ...	30·54	39	35	E	2	w	*

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

Weather in morning cloudy or dull in our Islands and all the more N^rn and central parts of the Continent, with rain in the NW of Ireland, as well as in N. Germany, Finland and the W. of Norway. Foggy over central France; fine over S^rn Europe generally, but dull at several of the Mediterranean stations, with rain at Barcelona and La Calle. Rain falling later in the N. of Scotland, but weather remaining dry over the United Kingdom as a whole.

Temperature risen over all the more N^rn parts of Europe, - rapidly in Sweden and Finland, fallen in most of the S^rn countries. Morning readings highest 63° at Malta, 60° at Algiers, and 59° at San Fernando and Cagliari, above 50° in most parts of the United Kingdom. Lowest (1) 12° at Archangel, 20° at Moscow, and 22° at Kharkov; (2) 24° at Belfort and Limoges, and 28° at Le Mans. Rising during day to 55° or a little above it in most parts of the United Kingdom, as well as in the S. of France, but remaining below 40° over central France.

Wind W^rly or SW^rly over our Islands and the northern and central parts of the Continent generally, but inclining to NW. in Denmark and the south of Norway; light or moderate in force over the United Kingdom, but strong over Scandinavia and the Baltic, with a gale at Christiansund and Stockholm. Light from the E^wd in the west and south of France, and from the NE^wd over the Spanish peninsula; N^rly over Italy and Greece. Subsequently moderating in force in Scandinavia, no important change occurring elsewhere.

Barometer highest 30.6 ins. and upwards over central France; 30.2 ins. and upwards in an anticyclone covering the whole of central and S^rn Europe, and extending over the greater part of England and Ireland. Lowest 28.5 ins. and less in a deep depression moving E^wds across the N. of Scandinavia; gradients steep over N^rn Europe generally. Barometer rising later in the N., no important change occurring elsewhere.

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, 29th November, 1899.

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														°		•			
	Hernösand	29.20	45	W	7	0	29.73	+.30	34	30	+ 1	W	2	b	•	0	•	46	28	-
	Stockholm	29.41	48	W	4	b	29.86	+.30	39	34	+ 3	WNW	2	b	•	b	•	43	36	-
	Wisby	29.49	46	W	4	0	29.86	+.21	43	41	+ 1	N	4	b	•	0	•	46	37	-
	Karlstad	29.51	46	SW	0	b	29.88	+.35	39	36	- 5	W	2	b	•	b	•	•	•	-
	Bodö	29.30	35	NW	6	0	29.68	+.49	30	27	- 6	NW	5	bc	3	0	•	37	27	-
	Christiansund ...	29.62	45	WSW	6	r	29.92	+.66	38	37	- 13	ESE	2	r	6	r	•	51	37	0.63
	Skudesnaes ...	29.91	50	NW	4	r	30.05	+.19	49	48	- 1	SW	0	rf	2	r	•	51	45	•
	Færder (X'iania Fjord)	29.55	54	W	4	b	29.89	+.29	48	45	- 3	W	4	0	4	b	•	54	46	-
	The Scaw (Skagen)	29.73	50	NW	5	b	29.94	+.14	48	47	- 1	NW	4	m	1	b	•	50	46	-
	Fanö	30.10	50	WNW	6	0	30.18	+.07	50	49	+ 1	W	5	c	•	0	•	50	49	-
British Islands.	Sumburgh Head ...	29.82	49	WNW	4	0	29.92	+.31	51	50	- 1	W	4	r	6	r.0	•	52	49	0.30
	Stornoway	29.98	54	W	6	0	30.08	+.23	52	51	- 3	WSW	4	0	4	r.0	0.0	55	49	0.12
	Wick	29.98	54	W	6	c	30.07	+.26	53	50	- 2	NW	3	bc	2	c	•	57	50	0.04
	Nairn	30.06	54	WSW	3	r	30.14	+.23	52	48	- 2	WSW	4	c	2	r	•	57	48	0.01
	Aberdeen	30.07	56	WSW	4	bcq	30.18	+.23	47	44	- 9	SW	1	bcmw	1	c q. bcq	0.3	58	47	-
	Leith	30.19	52	W	3	0	30.28	+.17	50	47	- 3	W	3	c	•	0	•	55	48	-
	Shields	30.28	53	W	3	c	30.32	+.12	50	48	- 4	WNW	2	c	2	0.c	•	55	48	-
	Spurn Head ...	30.34	50	W	4	b	30.40	+.07	44	43	- 2	WSW	3	bc	3	bw	•	53	43	-
	Loughborough ...	30.44	49	WSW	2	b	30.46	+.03	46	43	+ 1	W	1	c	•	bcm.bc	•	58	45	-
	Malin Head ...	30.24	52	WSW	5	b	30.28	+.12	49	48	- 4	SSW	3	oq	3	c.b	•	53	48	-
	Blacksod Pt. ...	30.30	53	WSW	5	bc	30.30	+.01	54	51	0	SW	5	c	4	b.bc	•	55	51	-
	Donaghadee ...	30.33	51	SSW	3	bc	30.39	+.10	49	48	0	SW	3	c	3	bc	•	54	45	-
	Liverpool (Bidston)	30.41	50	SW	3	bc	30.44	+.03	49	45	0	SW	2	0	3	bc	•	56	49	-
	Holyhead	30.42	53	WSW	2	cm	30.43	+.02	52	48	0	WSW	1	0	1	bc.cm	•	54	48	-
	Parsonstown ...	30.40	50	SSE	1	c	30.41	+.01	47	45	+ 1	SW	1	0	•	c	2.0	55	43	-
	Valencia	30.41	54	S	2	om	30.38	-.04	52	48	- 2	SSE	3	0	3	0 q. 0	0.0	56	51	-
	Roche's Point ...	30.46	54	WSW	3	c	30.45	-.01	52	49	- 1	SSW	4	c	3	c	•	55	49	-
	Pembroke (St. Ann's Hd.)	30.49	55	WSW	4	c	30.48	.00	53	51	- 1	SSW	3	cv	3	0.c	0.1	55	52	-
	Scilly	30.49	51	S	2	c	30.46	-.04	51	47	- 2	S	4	c	1	c	1.5	58	47	-
	Jersey (St. Aubin's) ...	30.52	53	SW	0	of	30.51	-.04	51	47	- 1	NNW	2	om	2	o.f.q	•	55	45	-
	Portland Bill ...	30.54	53	NNW	3	0	30.53	+.01	47	43	- 6	NE	1	bc	1	0	•	54	45	-
	Dungeness	30.48	49	W	2	c	30.48	-.02	35	35	- 14	N	1	of	1	b.c	•	54	32	0.01
	London (Brixton) ...	30.49	47	WSW	1	m	30.51	+.01	36	36	- 11	SW	0	of	•	bm.bw	3.3	55	35	-
	Oxford	30.50	45	WSW	1	b	30.51	+.01	47	44	+ 7	W	1	0	•	b	•	54	38	-
	Yarmouth	30.38	48	WSW	3	b	30.43	+.03	41	40	- 4	WSW	2	bm	3	b	•	53	38	-
France & Netherlands. Germany.	Cuxhaven	30.22	49	W	6	0	30.28	+.05	49	48	+ 1	W	4	0	•	0	•	50	45	-
	Berlin	30.21	50	W	6	0	30.24	+.01	50	48	0	W	5	0	•	0	•	52	48	-
	Wiesbaden	•	•	•	•	•	30.50	+.01	46	44	0	W	2	0	•	•	•	50	45	-
	Munich	30.53	44	W	3	0	30.52	-.02	37	37	- 5	SW	3	of	•	0	•	48	36	-
	The Helder ...	30.34	50	WSW	3	bc	30.39	+.04	50	49	0	W	2	bc	2	bc	•	52	50	-
	Brussels	•	•	•	•	•	30.51	.00	43	43	- 1	SW	1	of	•	0	•	49	41	-
	C. Gris Nez ...	30.48	51	NNW	4	b	30.50	+.02	46	46	- 4	SW	1	cf	1	b	•	54	45	-
	Paris	30.56	44	SSE	1	0	30.52	-.05	43	43	+ 4	N	0	0	•	0	•	44	39	-
	Brest	30.50	46	SE	1	m	30.49	-.06	46	45	- 2	ESE	1	0	1	m	•	54	37	-
	Lorient	30.54	44	E	1	m	30.47	-.11	48	46	+ 11	ENE	4	0	3	m	•	48	37	-
	Rochefort	30.50	44	ENE	1	b	30.41	-.15	43	41	+ 10	ENE	4	0	•	b	•	48	30	-
	Belfort	30.52	40	ENE	2	m	30.49	-.10	37	37	+ 15	ENE	4	f	•	m	•	44	22	-
	Lyons	30.59	32	ESE	1	f	30.54	-.09	32	32	+ 2	E	1	f	•	f	•	32	?	-
	Nice	30.41	47	N	0	b	30.38	-.05	45	42	+ 2	E	2	0	1	bf	•	57	43	-
	Perpignan	30.43	23	N	0	b	30.44	-.02	33	32	+ 3	SW	1	0	•	b	•	59	30	-
	Biarritz	30.37	41	NE	2	m	30.33	-.11	37	35	+ 9	S	1	bc	2	m	•	50	28	-
Span. Pen.	Corunna																•			
	Lisbon	30.32	56	NNE	4	b	30.32	-.02	52	48	- 1	NNE	4	b	•	b	•	64	52	-
	Azores (P. Delgada)	29.91	65	SSE	5	0	29.77	-.27	65	64	0	S	5	0	6	0	•	66	63	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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 1.2 hrs.

WEATHER CHARTS

FOR Wednesday, 29th November, 1899.

BAROMETER, WIND AND SEA.

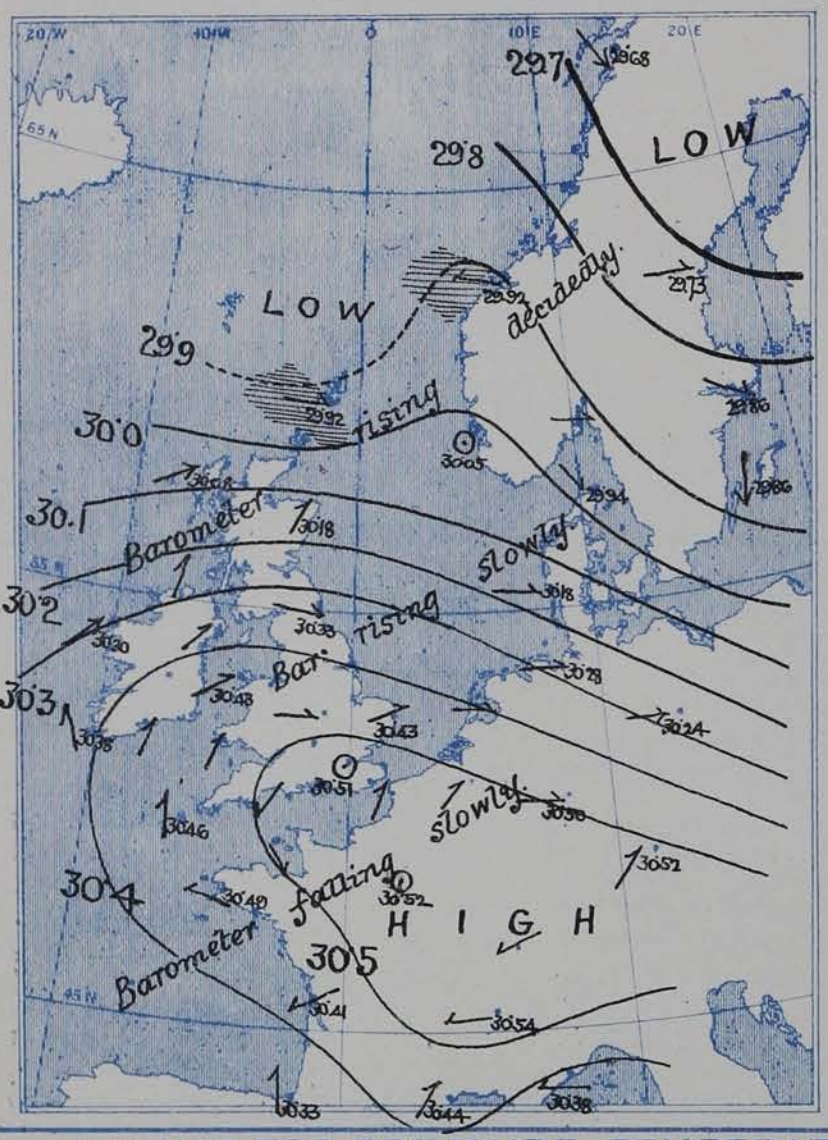
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

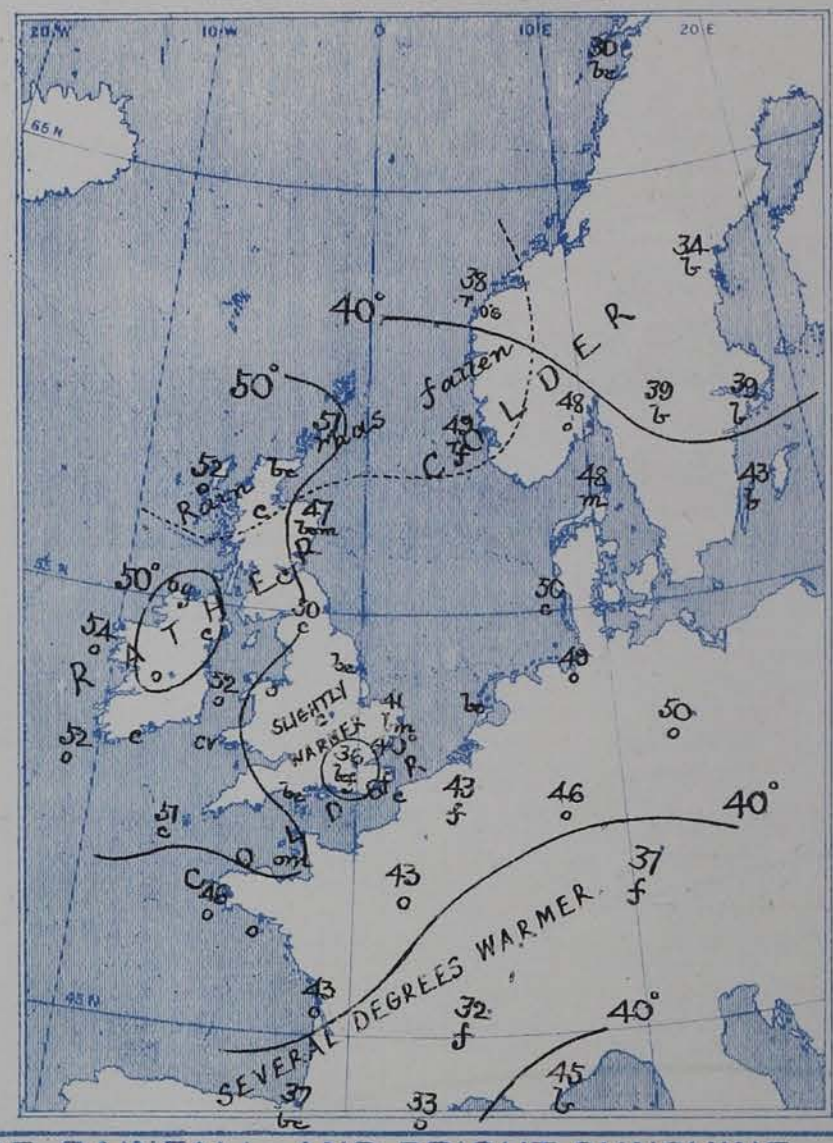


TEMPERATURE AND WEATHER.

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 NOVEMBER.

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·06	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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, 30·5 ins: and upwards over the south of England, Belgium, South Germany and the eastern and central parts of France;
30·1 ins: and upwards in an anticyclone covering the whole of western and central Europe.
Lowest, 29·7 ins: and less, in a shallow depression over the north of Scandinavia.
Gradients slight. Barometer falling a little over France and the extreme south and southwest of our Islands, but rising elsewhere.

TEMPERATURE

Highest, 54° at Blackrod Point, 53° at Wick and Pembroke, and 52° at Stornoway, Nairn, Holyhead, Valencia (Ireland), and Rocket Point.
Lowest, (1) 30° at Bodö, and 34° at Hernösand; (2) 32° at Lyons and 33° at Perpignan; (3) 35° at Biarritz and 36° in London.
During yesterday the thermometer rose to 55° and upwards in many parts of the United Kingdom, and to 58° at Aberdeen, Loughborough, and Scilly.

WIND

Light to moderate from the E.N.E. in the west and south of France, from the S. or S.W. in the west of our Islands, and from the W. on our north and east coasts, as well as at most of the Scandinavian, Danish, and German stations.
Calm or light from the N. over the English Channel.

WEATHER

Fine on the south and east coasts of Great Britain, as well as in Holland and Sweden.
Cloudy or dull elsewhere, with fog in the southeast of England and also over Belgium, South Germany and Central France.
Rain is falling in the Shetlands and the west of Norway.
Rain again fell yesterday in the north of Scotland, but in all other parts of our Islands the weather remained very dry.

SEA

Slight or smooth generally, but rough at Lerwick Hd and Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The central portion of the anticyclone appears to be moving slowly northwards and the wind on our southern coasts has become light and variable. In the extreme north the weather is likely to be still affected to some extent by depressions advancing towards the Norwegian coasts, but over our Islands generally it will probably remain fair and dry, with, however, a good deal of fog in the central and southeastern districts. It seems quite possible that Easterly winds will set in before long over the English Channel.

FORECASTS

For the 24 hours ending at NOON on 30TH NOVEMBER, 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W. and SW. winds, fresh; dull, some rain.
1	SCOTLAND EAST	W. and SW. winds, light; fair generally but some mist or fog.
2	ENGLAND N.E.	
3	ENGLAND EAST	Calms and light variable airs; fine in places, but mostly foggy or misty.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	S. and SW. winds, light; fair generally, but some fog or mist.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S. to SE. winds, moderate; fair generally.
9	IRELAND NORTH	S. and SW. winds, moderate; fair generally.
10	IRELAND SOUTH	Same as No 8.
	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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	29·80	51	50	NNW	6	r	3
Sumburgh Head	29·74	51	51	W	4	r	6
Stor..oway... ...	29·94	54	53	NNW	6	r	6
Aberdeen	30·01	58	52	WSW	5	cq	3
Shields	30·26	54	50	WSW	4	o	2
Malin Head ...	30·20	53	51	W	6	c	5
Blacksod Pt.. ...	30·30	55	52	SW	5	b	4
Holyhead	30·40	54	52	WSW	3	bc	2
Valencia	30·40	54	53	S	2	oq	4
Scilly	30·48	57	53	S	3	c	1
Jersey	30·57	55	51	WNW	2	o	2
Portland Bill ...	30·52	53	50	NW	3	o	3
Dungeness ...	30·48	53	51	WNW	2	b	2
London (Westminster)	30·47	55	50	WSW	2	bcm	*
Yarmouth ...	30·37	53	49	WSW	3	b	3
Rochefort ...	30·53	47	46	ENE	3	b	*

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

Weather in morning fine at many of the English and Irish stations and also over Southern Europe generally. Cloudy or dull elsewhere, with fog over Belgium and Central France, and rain in the Shetlands and Hebrides, as well as at Christiansund and Cracow, snow falling at Bodö and Hernösand. A little rain falling later in the north of Scotland generally; no important change occurring elsewhere.

Temperature fallen over England and most part of Southern Europe, but risen elsewhere. Morning readings highest (1) 63° at Malta, 59° at Ifax and 58° at Algiers; (2) 56° at Aberdeen and 55° at Stornoway and Wick; above 50° in the west and north of our Islands generally. Lowest (1) 16° at Archangel, 22° at Haparanda, and 26° at Uleaborg; (2) 22° at Belfort and Limoges and 28° at Biarritz. Rising during day to 55° or slightly above it in many part of the United Kingdom and also in the south of France, to 59° at Perpignan and to 64° at Lisbon; not exceeding 32° at Lyons all day.

Wind SW¹ or W¹ over our Islands and also over Norway, Denmark, Germany, and the south of Sweden; very strong in force on our own northern coasts, and blowing a gale at Christiansund; strong from the NW.ᵈ in Finland, and moderate to fresh from the same quarter or from N. over Austria and the Central and southern part of Russia. E¹ in the west and south of France, and NE¹ over the Spanish Peninsula; rather variable in Italy, but chiefly NW¹. Wind moderating later on our northern coasts; no important change occurring elsewhere.

Barometer highest 30·5 in: to 30·6 in: or slightly more over France and the southern part of England and Germany; 30·1 in: and upwards in an anticyclone covering the whole of Central and southern Europe and extending also over England and Ireland. Lowest 29·0 in: and less, in a large depression over northern Russia; 29·2 in: and less, in another disturbance off the northern part of the Norwegian coasts. Both depressions moving eastwards later, and barometer rising briskly in the extreme north.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Thursday, 30th November, 1899.

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																			
	Hernösand																			
	Stockholm																			
	Wisby																			
	Karlstad																			
	Bodö	29.02	35	NNW	7	m	29.60	-.08	33	31	+ 3	NNW	6	o	3	m	•	34	27	—
	Christiansund ...	29.76	47	ESE	2	r	29.92	.00	37	34	- 1	E	4	r	4	r	•	46	34	1.18
	Skudesnaes ...	30.09	51	W	6	o	30.05	.00	50	47	+ 1	W	4	o	3	rf.o	•	51	41	•
	Færder (X'iania Fjord)	29.82	50	SW	6	o	29.90	+.01	48	46	0	NNW	6	b	4	o	•	54	46	—
	The Scaw (Skagen)	29.96	49	WNW	5	b	30.01	+.07	50	47	+ 2	NW	6	b	2	b	•	50	48	—
	Fanö	30.26	48	W	4	o	30.23	+.05	47	47	- 3	W	4	b	•	o	•	52	46	—
British Islands.	Sumburgh Head ...	29.97	51	W	6	o	29.88	-.04	49	47	- 2	SW	3	o	6	r.o	•	52	47	0.03
	Stornoway	30.09	53	W	4	o	29.83	-.25	51	50	- 1	SW	6	r	6	o	0.4	53	48	0.05
	Wick	30.11	45	NW	1	bc	29.93	-.14	49	47	- 4	SW	3	bc	1	bc	•	55	40	—
	Nairn	30.17	52	NNW	2	c	29.98	-.16	50	46	- 2	W	1	o	1	c	•	56	45	—
	Aberdeen	30.21	41	WNW	1	bw	30.07	-.11	45	43	- 2	S	4	cgl	2	b.bw	5.6	54	35	—
	Leith	30.27	50	W	3	c	30.14	-.14	49	46	- 1	W	3	c	•	c	•	55	46	—
	Shields	30.34	50	W	2	c	30.24	-.08	46	44	- 4	SW	2	f	2	bm.c	•	53	44	—
	Spurn Head ...	30.40	48	WNW	3	c	30.33	-.07	45	43	+ 1	SSW	3	cw	2	c	•	56	43	—
	Loughborough ...	30.45	49	WSW	1	o	30.39	-.07	38	37	- 8	SW	1	bmw	•	bc.c.gm	•	53	38	—
	Malin Head ...	30.27	49	S	3	og	30.01	-.27	46	45	- 3	SSW	5	bc	3	o.og	•	50	45	—
	Blacksod Pt. ...	30.25	52	SSW	5	bcgl	30.03	-.27	52	50	- 2	SSW	8	c	6	bcgl	•	54	50	—
	Donaghadee ...	30.35	49	SSW	3	c	30.22	-.17	45	44	- 4	WSW	3	bc	3	c	•	50	44	—
	Liverpool (Bidston)	30.42	50	WSW	1	o	30.32	-.12	41	39	- 8	S	1	b	2	o	•	52	42	—
	Holyhead	30.40	51	WSW	2	o	30.28	-.15	50	48	- 2	SW	3	om	2	c.o	•	53	47	—
	Parsonstown ...	30.34	48	SE	1	bc	30.20	-.21	42	42	- 5	SSE	1	b	•	bc	2.5	51	42	0.01
	Valencia	30.30	52	SSE	2	c	30.17	-.21	52	49	0	SSE	5	cgl	4	bcv, c	2.0	55	50	—
	Roche's Point ...	30.37	52	S	5	o	30.26	-.19	52	48	0	SSW	5	o	4	o	•	53	48	—
	Pembroke (St. Ann's Hd.)	30.45	52	WSW	2	o	30.33	-.15	50	49	- 3	SSW	4	cg	3	o	0.0	53	49	—
	Scilly	30.40	52	SE	2	o	30.29	-.17	51	48	0	S	4	o	3	o	0.0	56	47	—
	Jersey (St. Aubin's) ...	30.45	52	ENE	3	og	30.36	-.15	49	45	- 2	ESE	2	om	2	o.og	•	54	47	—
	Portland Bill ...	30.48	50	ENE	1	o	30.37	-.16	48	45	+ 1	ENE	2	om	2	c.o	•	53	45	—
	Dungeness	30.47	47	N	1	o	30.40	-.08	48	47	+ 13	SSE	1	o	1	o	•	53	35	—
	London (Brixton) ...	30.48	40	NE	0	om	30.42	-.09	30	30	- 6	NE	0	f	•	b, o.bcf	0.0	49	29	—
	Oxford	30.47	46	SW	1	o	30.41	-.10	30	29	- 17	NE	0	f	•	c.o.f	•	51	30	—
	Yarmouth	30.42	48	W	2	bc	30.37	-.06	43	41	+ 2	WSW	2	bm	2	b.bc	•	51	40	—
France & Netherlands. Germany.	Cuxhaven	30.31	50	W	2	o	30.30	+.02	45	45	- 4	W	2	of	•	o	•	50	41	—
	Berlin	30.33	49	W	4	r	30.31	+.04	48	44	- 2	W	3	o	•	r	•	52	46	—
	Wiesbaden	•	•	•	•	•	30.43	-.04	44	42	- 2	SW	1	o	•	•	•	48	43	—
	Munich	30.49	37	SE	2	f	30.44	-.08	31	31	- 6	E	2	f	•	f	•	39	30	—
	The Helder ...	30.39	50	W	1	b	30.37	-.02	50	45	0	W	2	m	1	b	•	52	48	—
	Brussels	•	•	•	•	•	30.45	-.06	39	39	- 4	SSE	1	mf	•	f	•	46	35	—
	C. Gris Nez ...	30.47	47	ENE	1	m	30.41	-.09	42	42	- 4	SE	1	m	•	mf	•	52	39	—
	Paris	30.48	46	E	2	o	30.42	-.10	40	39	- 3	ESE	2	m	•	o	•	51	39	—
	Brest	30.41	50	E	1	o	30.36	-.13	46	44	0	ENE	1	o	2	o	•	50	43	—
	Lorient	30.41	48	E	4	o	30.37	-.10	45	44	- 3	E	3	o	3	o	•	54	45	—
	Rochefort	30.39	43	E	4	o	30.41	.00	36	35	- 7	E	1	m	•	o	•	46	34	—
	Belfort	30.46	36	ENE	5	fbf	30.41	-.08	33	33	- 4	E	5	f	•	fbf	•	41	33	—
	Lyons	30.50	35	N	1	fbf	30.46	-.08	32	32	0	NNW	1	fbf	•	fbf	•	35	31	—
	Nice																•			
	Perpignan	30.38	38	NW	0	b	30.34	-.10	30	28	- 3	N	0	b	•	b	•	52	29	—
	Biarritz	30.28	43	E	3	m	30.28	-.05	32	31	- 5	SE	1	m	2	m	•	55	32	—
Span. Pen.	Corunna																•			
	Lisbon	30.30	55	NNE	4	b	30.30	-.02	47	44	- 5	NNE	4	b	•	b	•	63	46	—
	Azores (P. Delgada)	29.86	63	NNW	1	r	29.80	+.03	61	60	- 4	NNE	4	c	2	r	•	66	59	0.24

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 recorded on the Tower of the Wesleyan Training College, Westminster*

Bright Sunshine ***yesterday*** **Southport 0.0** **hrs.**

WEATHER CHARTS

FOR Thursday, 30th November, 1899.

BAROMETER, WIND AND SEA.

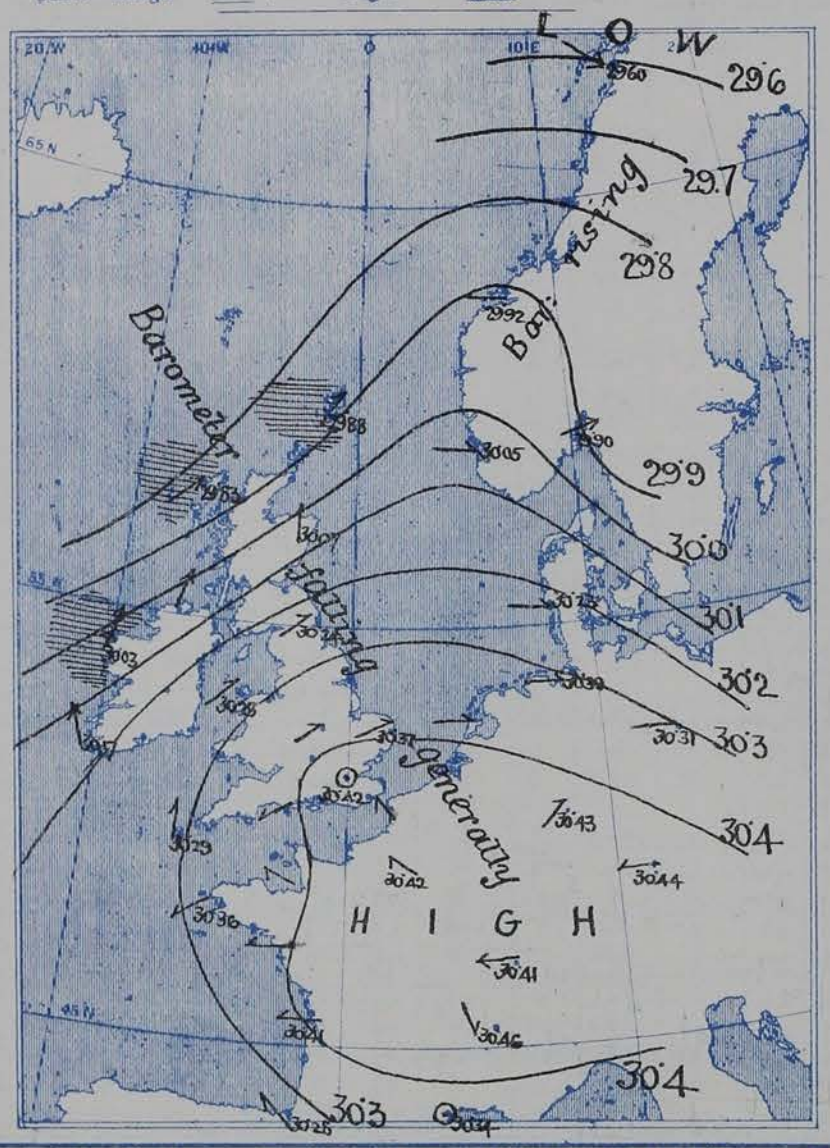
BAROMETER.—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

Force 8 to 10 ⟶ : *Force 1 to 4* ⟶ : }

SEA.—Rough : *High*

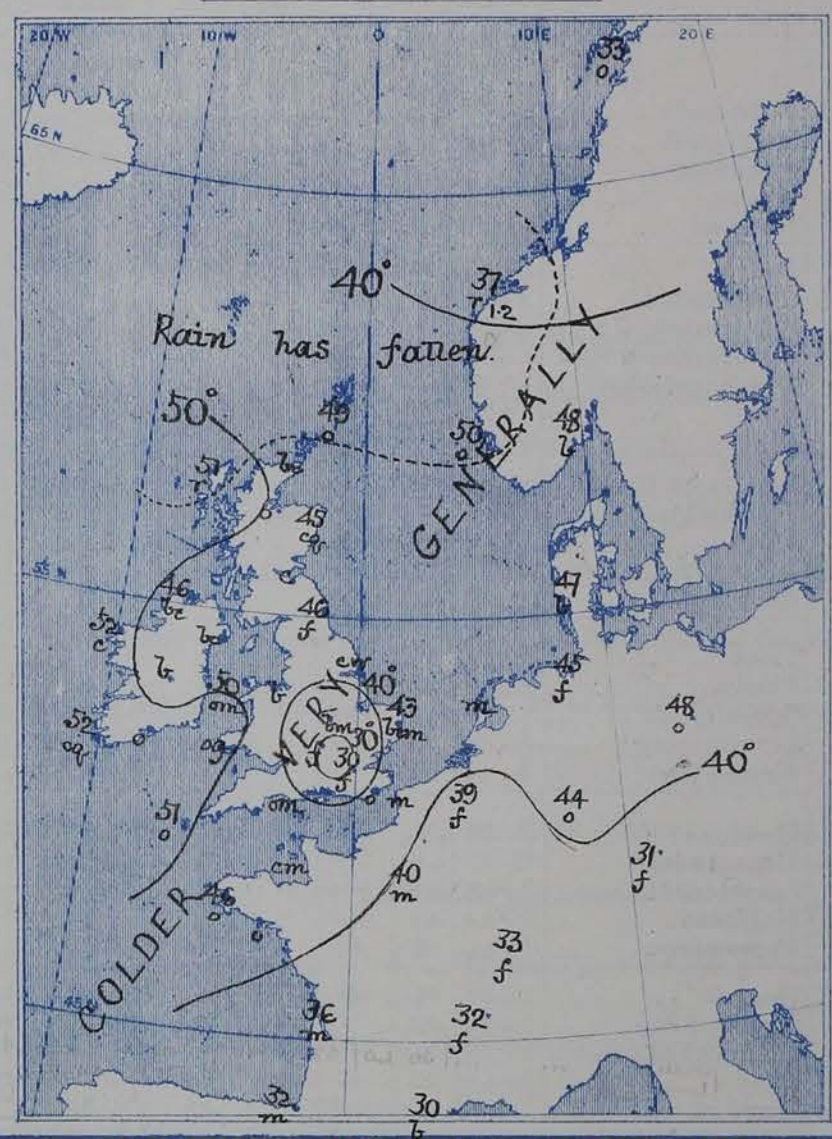


TEMPERATURE AND WEATHER.

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 NOVEMBER.*

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	29·693	42·3	40·6	45·8	38·2	55	1890	21	1875	4·14	—	—
Stornoway	29·703	42·0	41·0	46·4	37·1	56	1881	20	1880	4·80	42·1	18
Wick	29·728	41·6	40·1	46·2	36·4	58	1885, 89	15	1884	2·93	—	—
Nairn	29·743	40·0	38·4	45·7	35·5	61	1885, 94	18	1880	2·14	—	—
Aberdeen	29·772	40·7	38·9	46·3	36·7	62	1872, 89	15	1880, 84	3·16	54·7	23
Leith	29·798	41·8	40·1	48·2	37·1	64	1872	18	1885	2·05	—	—
Shields	29·824	42·4	40·8	47·6	38·0	62	1881, 94	20	1880	2·39	—	—
Spurn Head	29·854	43·5	42·2	47·1	40·4	61*	1894, 95	28*	1884	2·28	—	—
York	29·859	40·9	39·7	47·7	36·6	62	1894, 95	14	1871	2·21	39·7	16
Loughborough	29·888	40·7	39·5	48·4	36·7	63*	1881, 93, 94, 95	19*	1887, 93	2·21	—	—
Ardrossan	29·799	43·3	41·6	47·9	39·2	69	1872	21	1880	3·78	—	—
Malin Head	29·755	43·9	42·0	48·0	40·9	—	—	—	—	—	—	—
Belmullet	29·799	45·3	43·3	49·4	41·5	—	—	—	—	5·92	—	—
Donaghadee	29·819	43·4	42·3	48·5	39·4	60	1894	27	1878, 83	3·10	—	—
Holyhead	29·845	45·9	44·2	49·8	42·9	62	1881	29	1880	3·96	—	—
Liverpool	29·862	42·7	40·9	48·0	39·7	63	1872	22	1880	2·81	—	—
Parsonstown	29·852	41·8	40·3	49·1	37·0	62	1874	20	1890	2·86	63·1	25
Valencia	29·867	47·4	45·5	52·3	42·9	63	1881	27	1890	5·63	63·8	25
Roche's Point	29·869	46·2	44·6	51·2	42·0	61	1875	27	1890	4·79	—	—
Pembroke	29·871	47·1	45·4	50·3	43·6	58	1884, 95	28	1890	4·04	58·8	23
Scilly	29·898	50·1	48·1	52·6	46·6	60	1875, 81	29	1890	3·80	—	—
Prawle Point	29·917	46·4	44·9	51·2	42·1	61*	1881	19*	1890	3·26	—	—
Jersey	29·937	48·0	46·0	52·3	44·3	64	1874, 81	16	1890	4·19	70·9	26
Hurst Castle	29·912	45·3	44·3	50·7	41·0	66	1874	20	1890	3·11	—	—
Dover	29·904	44·7	43·3	49·7	40·9	61	1895	17	1890	3·30	—	—
LONDON	29·910	42·5	41·1	49·6	38·3	65	1894	19	1879	2·31	29·5†	11†
Oxford	29·908	41·4	40·2	48·5	37·7	68	1881	19	1871, 87	2·42	55·4	22
Cambridge	29·901	41·0	40·1	48·9	36·0	65	1895	15	1890	2·07	61·7	24
Yarmouth	29·879	43·4	42·2	47·7	39·2	60	1895	23	1890	2·92	—	—

* 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 southeast of England, Belgium, western and southern Germany and the greater part of France.
Lowest, 29·6 in: and less, over the north of Scandinavia; 29·8 in: and less, in a depression which was skirting the northwest of Scotland.
Gradients rather steep (and increasing) over Ireland and Scotland, moderate or slight elsewhere.
Barometer falling generally, rather briskly on our own extreme west and northwest coasts.

TEMPERATURE

Highest, 52° at Blackhead Point, Valencia (Ireland) and Rockall Point; and 51° at Stornoway and Scilly.
Lowest, (1) 30° in London and at Oxford; (2) 30° at Perpignan, 31° at Munich and 32° at Lyons and Biarritz; (3) 33° at Bodö.
During yesterday the thermometer rose to between 50° and 55° in most parts of the United Kingdom, and to 56° at Nairn, Spurn Head and Scilly. In London it did not exceed 49°.

WIND

S^{ly} or SW^{ly} over the greater part of our Islands, and strong in force on our extreme northwest coasts, with a gale at Blackhead Point.
Calm or variable in the southeast of England; light from the E^{ly} over France and South Germany, W^{ly} over Denmark, North Germany and the south of Scandinavia.

WEATHER

Foggy in many parts of England, as well as over Belgium, South Germany, and Central France.
Fine in the north of Ireland and the east of Scotland, but dull in the south of Ireland and the north of Scotland, with rain at Stornoway; dull also in Norway, with rain at Christiansund, but fine in Denmark.
Slight rain fell yesterday in the Shetlands and Hebrides, but in all other parts of our Islands the weather remained dry.

SEA

Rough on our extreme north and northwest coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The Continental reports of yesterday showed that the anticyclone was giving way on its western side and from this morning observations it would appear that the entire system is gradually dispersing.

A new series of depressions is advancing towards our western coasts. The centres of these are evidently at a considerable distance from our shores, but as they move northeastward a considerable increase of wind from S. and SW. is likely to take place in Ireland and Scotland, with rain.

It seems very probable that in the course of the next day or two unsettled rainy weather will spread over England.

FORECASTS

For the 24 hours ending at NOON on 1ST DECEMBER 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH	SW$^{ly}_{m}$ winds, increasing to a gale; squally, some rain.	6 SCOTLAND WEST	Same as No. 1.
▼ 1 SCOTLAND EAST	S$^{ly}_{m}$ and SW$^{ly}_{m}$ winds, increasing in force; fair at first, some rain later.	7 ENGLAND N.W.	S$^{ly}_{m}$ and SW$^{ly}_{m}$ winds, freshening; fair generally.
2 ENGLAND N.E.	S$^{ly}_{m}$ and SW$^{ly}_{m}$ winds, light or moderate; fair generally.	8 ENGLAND S.W.	
3 ENGLAND EAST		▼ 9 IRELAND NORTH	Same as No 0
4 MIDLAND COUNTIES		▼ 10 IRELAND SOUTH	Same as No 1.
5 ENGLAND SOUTH	Variable breezes, finally S$^{ly}_{m}$; some fog at first then fair.	WARNINGS	At 10·20 am today to districts 0, 6, 10 and parts of 1 and 9 "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.	WIND. Force.	WEA.	SEA.
Skudesnaes ...	30·06	50	49	W	6	rf	3
Sumburgh Head	29·96	51	51	W	7	r	6
Stornoway... ...	30·10	53	49	WNW	5	o	5
Aberdeen	30·18	52	47	N	1	b	1
Shields	30·33	52	47	N	3	bm	2
Malin Head ...	30·28	50	48	S	3	o	2
Blacksod Pt.. ...	30·27	53	50	SSW	5	bc	4
Holyhead	30·42	53	49	WSW	2	c	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	WIND. Force.	WEA.	SEA.
Valencia	30·32	55	51	SSE	3	bcv	4
Scilly	30·44	54	49	SSE	2	o	3
Jersey	30·49	53	48	E	3	o	3
Portland Bill ...	30·51	51	46	NE	1	c	1
Dungeness ...	30·47	52	50	NNW	1	o	1
London (Westminster)	30·48	51	46	SW	1	cm	*
Yarmouth ...	30·44	51	47	WSW	2	b	2
Rochefort ...	30·41	46	43	ENE	4	o	*

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

Weather in morning fine on the south and east coasts of Great Britain, as well as in Holland, Sweden, and the greater part of southern Europe. Cloudy or dull elsewhere, with fog in the southeast of England, as well as in Belgium, South Germany, and Central France; rain is falling in the Shetlands and west of Norway, as well as at Cracow and Lemberg; snow falling at Archangel and Kuopio. No important change occurring over Western Europe during day.

Temperature fallen in most countries, but risen quickly over France. Morning readings highest 62° at Malta, 61° at Sfax, and 58° at Nemours, Algiers and La Calle; above 50° in the west and extreme north of our Islands. Lowest 14° at Archangel, 26° at Ulleaborg, and 28° at Kuopio; below the freezing point over northern and Central Russia generally, and very little above it in the southeast of England. Rising during day to between 50° and 55° in many parts of the United Kingdom and also on the French coasts, but not exceeding 35° at Lyons. Frost occurring in the south of England at night.

Wind light to moderate from the S^ward or SW^ward on our western coasts and from the W^ward in the north and east of Great Britain, as well as in Denmark and Germany. NW^ly in Sweden, Russia, and Austria, and strong to a gale in force in Finlands. E^ly over France and NE^ly over Spain but variable in Italy. No important change occurring later.

Barometer highest 30·5 ins: and upwards over the southeast of England, Belgium, South Germany, and northern and central France; 30·1 ins: and upwards in an anticyclone lying over the whole of western and southern Europe. Lowest 29·0 ins: and less, in a depression over northern Russia, 29·9 ins: and less in a shallow area lying to the northward of our Islands. New depression advancing later to the Norwegian coasts, no important change occurring over these Islands and France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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REPORTS FOR NOVEMBER 1899.

2. CORRECTIONS.

DATE	STATIONS.	YESTERDAY EVENING.					THIS MORNING.									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.
1	Holyhead	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
4	Stornoway Ha.	28.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	-
"	Spurn Head	-	-	-	-	-	29.52	+.09	-	-	-	-	-	-	-	-	-	-	-	-
"	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-
5	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-
"	Blacksod	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	42	-
"	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59	-	-
6	Spurn Head	29.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Loughborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	no rain
"	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05
8	Loughborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53
9	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20
"	Roche's Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15
10	Blacksod	-	-	-	-	-	29.84	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11
11	Blacksod	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-
"	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16
"	Dungeness	-	-	-	-	-	30.11	+.55	-	-	-	-	-	-	-	-	-	-	-	-
12	Leith	-	-	-	-	-	-	-	-	45	-	-	-	-	-	-	-	-	-	-
13	Leith	30.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-	-
"	Roche's Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-
14	Pembroke	-	-	-	-	-	-	-	-	55	-	-	-	-	-	-	-	-	-	-
15	Holyhead	-	-	-	-	-	30.50	+.54	-	-	-	-	-	-	-	-	-	-	-	-
-	Scilly	-	-	-	-	-	30.34	-	-	-	-	-	-	-	-	-	-	-	-	-
18	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-
"	Scilly	-	-	-	-	-	30.57	-	-	-	-	-	-	-	-	-	-	-	-	-
19	Stornoway Ha.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	? 44	-
"	Blacksod	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	? 44	-
"	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	? 40	-
20	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-
22	Wick	-	-	-	-	-	30.18	+.15	-	-	-	-	-	-	-	-	-	-	-	-
"	Scilly	-	-	-	-	-	30.47	+.09	-	-	-	-	-	-	-	-	-	-	-	-
"	Dungeness	-	-	-	-	-	-	-	45	-	+ 9	-	-	-	-	-	-	-	-	-
23	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-
"	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-
28	Blacksod	-	-	-	-	-	-	-	52	52	0	-	-	-	-	-	-	-	-	-
30	Nairn	-	-	-	-	-	29.98	-	-	-	-	-	-	-	-	-	-	-	-	-
"	Liverpool	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-

ADDITIONS AND CORRECTIONS TO THE

I. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING.									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.
1	Corunna	30·17	61	NE	3	0	29.86	-.26	63	59	+6	SSE	3	r	5	0	-	63	57	-
2	Corunna	29.72	66	SSW	6	0	29.54	-.27	63	60	0	S	4	0	6	0	-	70	59	0·12
"	Lisbon	29.83	63	SSW	2	0	29.76	-.17	65	59	+7	SSW	5	0	-	0	-	70	58	0·08
3	The Helder	29.65	61	S	3	c	29.67	-.08	55	-	+4	SSW	4	0	2	c	-	64	51	-
"	Cape Gris Nez	29.62	64	S	5	b	29.61	-.08	56	-	-1	NW	5	0	4	0	-	64	54	0·04
"	Corunna	29.71	51	W	5	c	29.95	+.36	54	49	-9	SW	3	b	5	c	-	64	46	0·08
4	Haparanda	29.37	41	S	4	0	29.24	-.33	41	?	+3	SW	4	0	-	0	-	43	34	0·12
"	Hernösand	29.46	45	S	4	f	29.20	-.43	45	44	+5	S	8	f	-	f	-	46	36	-
"	Stockholm	29.73	48	S	6	b	29.50	-.34	51	49	+7	SSW	6	b	-	b	-	52	39	0·04
"	Visby	29.80	49	S	3	bc	29.66	-.25	50	49	+4	SSW	6	c	-	bc	-	54	37	-
"	Karlstad	29.58	49	SE	2	0	29.42	-.23	48	46	+1	SW	2	0	-	0	-	-	-	0·16
"	Bodö	29.14	46	E	4	r	28.73	-.39	48	44	+5	S	4	r	2	r	-	48	41	0·24
"	Christiansund	29.05	49	SE	2	c	28.09	-.43	49	44	-2	WSW	8	r	5	c	-	52	48	0·16
"	Skudesnaes	29.03	53	SSW	9	r	29.26	-.04	51	47	-2	SW	8	0	9	r	-	54	50	?
"	Faerder	29.47	51	S	6	bc	29.38	-.10	50	47	-2	SW	7	bc	4	bc	-	52	50	0·32
"	Corunna	29.98	46	SW	5	0	29.93	-.02	63	60	+9	SSW	3	0	6	0	-	64	46	0·04
"	Lisbon	30·19	60	W	1	0	30·18	+.08	62	59	+5	SSW	1	c	-	0	-	63	57	0·04
6	Corunna	29.80	61	W	4	r	30·02	+.23	54	52	-6	NE	1	0	7	r	-	61	50	1·95
"	Lisbon	29.94	60	SW	3	0	30·00	-.01	58	55	-6	N	4	bc	-	0	-	68	57	0·20
7	Corunna	30·13	61	N	4	b	30·19	+.17	48	46	-6	NE	1	f	7	b	-	61	45	-
"	Lisbon	30·13	60	NNW	4	b	30·20	+.20	59	55	+1	NNE	4	b	-	b	-	64	55	-
8	Lisbon	30·24	57	NNW	4	b	30·24	+.04	54	53	-5	NNW	3	c	-	b	-	66	54	-
"	Azores (P. Delgada)	30·22	64	SW	5	bc	30·17	-.09	64	63	+1	SSW	5	0	4	bc	-	68	63	-
9	Brussels	-	-	-	-	-	29.83	-	48	-	-	W	6	0	-	r	-	58	45	0·32
"	Corunna	30·10	59	WNW	3	r	30·07	-	63	61	-	SW	4	c	8	r	-	64	59	0·63
10	Corunna	30·10	68	SW	4	0	30·14	+.07	59	58	-4	W	4	f	5	0	-	70	57	0·89
"	Lisbon	30·24	62	SW	1	b	30·28	+.03	54	53	0	NNE	2	f	-	b	-	68	52	-
11	Corunna	30·20	61	NW	2	0	30·42	+.28	52	50	-7	NW	2	f	7	0	-	63	48	0·16
13	Corunna	30·37	63	NE	3	b	30·26	-.17	53	48	-4	E	3	b	9	b	-	63	37	-
14	Corunna	30·21	65	E	3	b	30·19	-.07	52	49	-1	E	1	b	3	b	-	63	46	-
15	Corunna	30·18	62	E	1	0	30·07	-.12	54	51	+2	N	2	bc	6	0	-	63	50	-
16	Corunna	30·06	66	ESE	4	bc	30·26	+.19	59	57	+5	SE	3	c	3	bc	-	66	54	-
17	Corunna	30·26	70	SE	3	bc	30·30	+.04	52	50	-7	SE	3	f	2	bc	-	72	48	-
18	Corunna	30·29	64	SE	3	b	30·26	-.04	49	-	-3	NE	2	b	2	b	-	66	45	-
20	Corunna	30·13	61	NE	3	b	29·84	-.35	44	41	-1	NE	3	f	2	b	-	61	39	-
21	Corunna	30·22	57	NE	3	bc	30·31	+.47	46	43	+2	E	1	c	2	b	-	61	41	-
23	Corunna	30·26	59	NE	1	b	30·24	?	43	40	?	E	3	b	2	b	-	61	39	-
24	Corunna	30·03	59	E	1	b	30·28	+.04	45	42	+2	E	3	bc	2	b	-	59	41	-
25	Corunna	-	61	-	-	-	30·28	.00	46	43	+1	SSW	3	f	2	b	-	63	41	-
"	Azores (P. Delgada)	30·11	61	SE	4	c	30·13	+.01	63	63	0	N	0	0	3	c	-	64	59	0·24
27	Corunna	30·35	59	E	2	b	30·36	+.08	41	40	-2	NE	3	b	2	b	-	61	37	-
30	Haparanda	29.49	19	NW	2	b	29.29	-	20	19	-	NW	3	c	-	b	-	27	5	-
-	Hernösand	29.76	31	N	0	0	29.72	-.01	33	32	-1	W	2	bc	-	0	-	45	27	-
-	Stockholm	29.84	35	WSW	2	0	29.81	-.05	38	35	-1	W	2	bc	-	0	-	48	34	-
-	Visby	29.86	38	NW	4	b	29.86	.00	43	41	0	NW	4	b	-	b	-	43	36	-
-	Karlstad	29.76	41	N	0	b	29.86	-.02	39	37	0	W	2	c	-	b	-	-	-	-
-	Corunna	30·28	59	E	2	b	30·28	-	42	40	-	E	3	b	2	b	-	59	37	-