METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS

1ST JANUARY TO 30TH JUNE, 1899.

DAILY WEATHER REPORT.

January to June 1899.

DAILY WEATHER REPORT

for 8 a.m. on Thursday 1st June, 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	40	S	0	c	29·72	+ ·01	45	40	— 1	NNW	4	bc	*	c	*	48	37	—
	Hernösand ...	29·91	45	NW	4	b	29·92	+ ·27	47	39	— 5	W	8	bc	*	b	*	57	30	—
	Stockholm ...	29·92	53	N	2	c	30·10	+ ·26	49	41	— 7	NNW	4	b	*	c	*	63	45	004
	Wisby	29·97	49	WNW	4	b	30·10	+ ·12	46	43	— 5	N	4	b	*	b	*	55	39	—
	Karlstad ...	29·91	57	W	4	b	30·19	+ ·31	47	39	— 7	NW	4	b	*	b	*	*	*	—
	Bodö	29·90	39	WSW	6	r	29·95	+ ·19	41	39	+ 2	NNW	6	o	3	r	*	41	34	028
	Christiansund ...	30·13	42	N	3	r	30·25	+ ·33	43	38	+ 1	N	3	c	3	r	*	46	37	028
	Skudesnaes ...	30·23	49	NW	2	o	30·30	+ ·18	49	46	0	S	0	o	1	c.o	*	54	46	*
	Færder (Christiania Fjord)	30·00	51	NW	4	b	30·22	+ ·28	52	44	0	NE	1	b	2	b	*	57	48	—
	Skagen (The Scaw)	30·09	50	WNW	4	m	30·23	+ ·18	52	49	— 2	NNW	2	b	0	m	*	57	48	—
	Fanö	30·31	50	NW	4	c	30·34	+ ·08	51	49	— 2	NW	4	bc	*	c	*	59	48	—
British Islands.	Sumburgh Head	30·16	49	W	1	r	30·24	+ ·15	49	49	0	S	0	o	3	o.r	*	52	46	003
	Stornoway ...	30·17	60	W	3	c	30·13	— ·02	54	51	0	S	0	c	0	c	8·6	61	39	—
	Wick	30·20	59	S	0	b	30·20	+ ·03	53	50	0	S	1	b	0	b	*	65	42	—
	Nairn	30·19	67	W	1	m	30·20	+ ·01	55	52	— 2	W	1	c	0	m	*	68	37	—
	Aberdeen ...	30·23	53	NE	2	bc	30·22	+ ·01	54	50	— 9	NE	2	bcm	2	b, bc	9·7	68	43	—
	Leith	30·22	67	W	2	b	30·21	— ·05	57	52	— 5	W	1	c	*	b	*	73	46	—
	Shields	30·25	59	ESE	1	m	30·24	— ·07	55	51	— 2	SW	2	m	2	m	*	69	49	—
	Spurn Head ...	30·29	57	SE	3	bc	30·28	— ·06	58	55	+ 2	S	3	b	3	bc	*	65	51	—
	York														*					
	Loughborough ...	30·27	73	SE	2	b	30·27	— ·10	63	56	+ 7	SE	2	bmw	*	b, bc, bm	*	75	42	—
	Ardrossan ...																*			
	Malin Head ...	30·21	56	E	2	bm	30·12	— ·12	59	54	+ 2	S	3	b	1	b, bm	*	59	49	—
	Belmullet ...	30·19	61	WSW	1	b	30·06	— ·19	62	56	+ 6	S	3	b,	*	b	*	62	49	—
	Donaghadee ...	30·26	59	SSE	3	b	30·20	— ·10	54	52	— 5	SE	2	bm	2	b	*	68	54	—
	Liverpool (Bidston)	30·25	69	SW	1	b	30·22	— ·12	60	54	— 2	SE	2	bc	?	bm	*	72	50	—
	Holyhead ...	30·27	59	SW	1	b	30·18	— ·15	63	57	+ 5	E	1	cm	0	b	*	65	48	—
	Parsonstown ...	30·20	66	SE	1	b	30·11	— ·20	60	54	+ 4	SE	1	o	*	b	13·5	69	46	—
	Valencia ...	30·17	64	SSE	3	b	30·00	— ·25	62	55	+ 3	SE	3	cm	4	b	14·4	66	52	—
	Roche's Point ...	30·24	57	SE	4	bc	30·08	— ·23	59	56	+ 1	SE	4	b	4	bc	*	60	55	—
	Pembroke (St. Ann's Hd.)	30·26	61	SE	3	b	30·14	— ·19	59	58	+ 3	SE	4	bm	3	b	14·1	61	52	—
	Scilly	30·19	58	E	3	b	30·09	— ·18	60	57	+ 5	ESE	4	b	1	b	14·0	60	52	—
	Prawle Point ...	30·25	56	ENE	3	b	30·19	— ·15	61	55	+ 6	ENE	3	b	2	b	*	62	52	—
	Jersey (St. Aubin's)	30·23	68	E	3	b	30·21	— ·12	67	57	+ 4	ESE	2	bm	2	b	*	71	54	—
	Hurst Castle ...	30·28	63	E	1	bm	30·23	— ·14	64	60	+ 6	ENE	1	bm	1	bm	*	68	55	—
	Dungeness ...	30·30	58	ENE	3	b	30·26	— ·11	60	58	+ 1	ENE	3	b	2	b	*	65	53	—
	North Foreland																*			
	London (Brixton) ...	30·32	65	SSE	3	b	30·28	— ·11	68	59	+ 9	ESE	3	b	*	b	13·5	75	51	—
	Oxford	30·29	64	SSW	1	b	30·26	— ·12	63	56	+ 4	SE	3	b	*	b	*	71	45	—
	Cambridge ...														*					
	Yarmouth ...	30·32	58	ESE	2	b	30·30	— ·06	65	53	— 3	ESE	2	b	2	b	*	59	50	—
Germany & Holland.	Cuxhaven ...	30·31	57	W	2	b	30·34	·00	55	53	+ 1	NW	3	b	*	b	*	61	48	—
	Berlin	30·30	64	W	1	o	30·29	— ·10	56	50	+ 1	WNW	3	b	*	o	*	73	52	—
	Wiesbaden ...	*	*	*	*	*	30·34	— ·08	52	48	— 5	E	2	b	*	*	*	70	48	—
	Munich	30·37	55	SE	3	b	30·36	— ·07	59	52	+ 4	SE	2	bc	*	b	*	64	43	—
	The Helder ...	30·34	55	S	0	bc	30·34	— ·03	60	52	+ 5	E	1	b	0	bc	*	61	43	—
Belgium. France &	Brussels ...	*	*	*	*	*	30·31	— ·10	65	56	+ 3	ESE	2	b	*	b	*	73	49	—
	Cape Gris Nez ...	30·32	57	E	2	m	30·29	— ·11	63	55	+ 9	SE	2	m	1	m	*	?	54	—
	Paris ...	30·27	71	SE	2	b	30·28	— ·09	61	55	+ 6	S	0	b	*	b	*	75	48	—
	Brest	30·16	65	S	0	b	30·10	— ·15	59	55	+ 5	E	2	b	0	b	*	75	54	—
	Lorient	30·18	71	S	0	b	30·15	— ·09	60	56	+ 5	SE	4	b	2	b	*	77	55	—
	Rochefort ...	30·10	76	SE	3	bc	30·14	— ·03	59	53	+ 7	SE	4	b	*	bc	*	84	50	—
	Belfort ...	30·24	65	SSW	1	m	30·28	— ·06	56	52	+ 4	E	2	m	*	m	*	70	48	—
	Lyons ...	30·24	69	E	1	b	30·27	— ·05	59	52	+ 3	ESE	1	b	*	b	*	74	48	—
	Nice	30·28	63	SW	1	b	30·25	— ·06	65	51	+ 5	E	4	b	1	b	*	68	52	—
	Perpignan ...	30·25	64	E	3	b	30·26	— ·04	59	57	0	S	0	b	*	b	*	69	46	—
	Biarritz ...	30·01	77	ENE	3	b	30·05	— ·04	59	55	— 6	E	2	b	2	b	*	79	55	—
Peninsula.	Corunna ...																*			
	Lisbon	29·97	61	NNE	4	0	29·98	+ ·01	61	59	— 6	NE	4	0	*	0	*	70	59	008
	Azores (P. Delgada)	30·21	62	NW	3	bc	30·23	+ ·10	65	60	+ 3	NNW	2	0	2	bc	*	70	59	—

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

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

Bright Sunshine yesterday Southport 13·5 hrs;

WEATHER CHARTS

FOR Thursday, 1st June, 1899.

BAROMETER, WIND AND SEA.

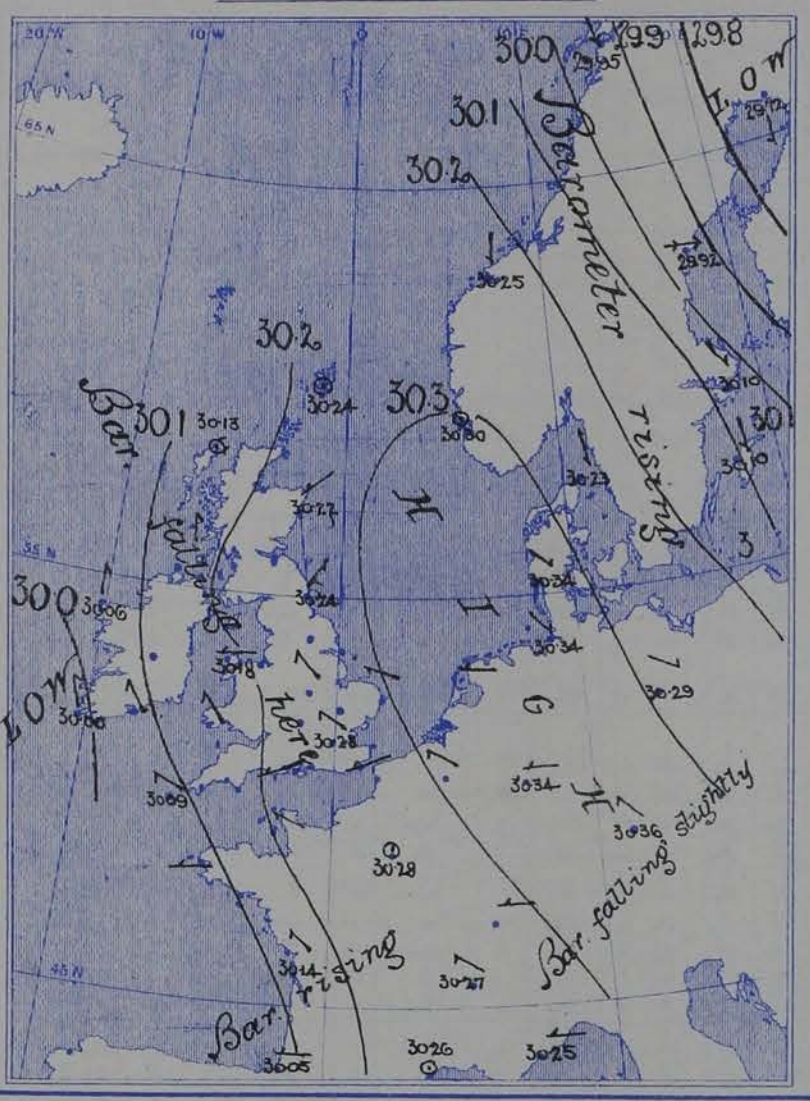
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ➔ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ➔ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▒ ; High ▓

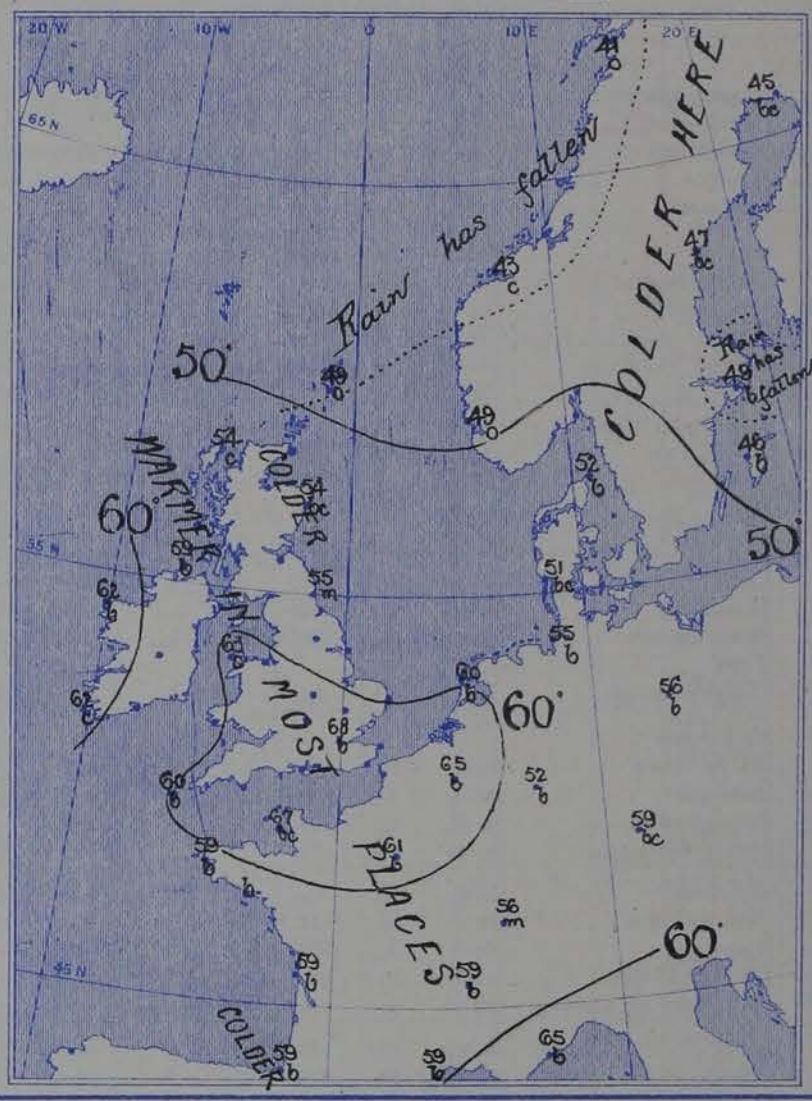


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62 3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52 0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51 0	81	1877, 88	40	1892	1·86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 ins. and upwards in an anticyclone with its central area covering Germany, the Netherlands and the greater part of the North Sea.
Lowest 29.8 ins. and less over Lapland, 30.0 ins. and less in a depression lying to the SW. of Ireland.
Gradients slight generally, but moderate over the Nn. parts of Scandinavia.
Barometer rising in Scandinavia and Denmark and also over the greater part of France, falling elsewhere; - rather decidedly at Valencia (Ireland).

TEMPERATURE

Highest 68° in London, 67° at Jersey, 65° at Brussels and Nice, and 64° at Hurst Castle.
Lowest 41° at Bodø, 43° at Christiansund, 45° at Haparanda, and 46° at Wick, lowest in our Islands 49° at Stornoway Hd.
During yesterday the thermometer rose to 70° and upwards in several parts of Gt. Britain, to 73° at Leith, and to 75° in London and at Loughborough.

WIND

Light to moderate from the E. or SE. over England, Ireland, France, the Netherlands & W. Germany.
Calm or variable in Scotland; light to moderate from the NW. or N. over the greater part of Scandinavia, Denmark and north Germany, but blowing a gale from W. at Hernösand.

WEATHER

Fine over W. Europe generally, but hazy on several parts of our own coasts.
Cloudy or dull in the Shetlands and Hebrides, and also in the W. of Norway.
A little rain fell yesterday in the Shetlands and the Nn. parts of Scandinavia, but in all other parts of our area the weather remained very dry.

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone appears to be now moving away to the E., and it is probable that depressions will shortly appear off our extreme W. or SW. coasts. Over Gt. Britain the weather is, however, likely to remain fine and dry for the present.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Variable breezes, finally SE. fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S. and SE. winds, light, fine generally, but misty in places.
3	ENGLAND EAST	E. and SE. winds, light or moderate; fine, warm.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 0 to 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	SE. winds, freshening, fair generally.
9	IRELAND NORTH	SE. winds, freshening, fine at first, cloudy later, probably 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.	F.	WEA.	SEA.
Skudesnaes	30·20	53	49	NW	4	c	3
Sumburgh Head	30·15	51	48	W	1	o	3
Stornoway	30·17	61	55	WSW	4	c	4
Aberdeen	30·21	64	52	SSE	2	b	1
Shields	30·28	64	56	SE	2	bm	2
Ardrossan							
Malin Head	30·23	56	53	NNW	3	b	1
Belmullet	30·23	61	54	SSW	2	b	*
Holyhead	30·31	61	55	NW	1	b	1
Valencia	30·20	65	55	SSE	4	b	4
Scilly	30·24	59	56	ESE	4	b	1
Jersey	30·27	69	59	E	3	bm	3
Hurst Castle	30·32	67	59	ESE	3	bm	2
Dungeness	30·34	62	59	ENE	3	b	2
North Foreland							
London (Westminster)	30·33	70	58	SSW	3	b	*
Yarmouth	30·35	59	55	E	2	bc	2
Rochefort	30·16	82	70	ESE	2	bc	*

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

Weather in morning fine over W^rn, central and S^rn Europe generally, but dull in the N. of Scotland. Cloudy or dull in most parts of Scandinavia, Russia and Austria, with rain in the W. of Norway, as well as at Hango and Trieste. No important change occurring during day, but slight rain falling in the Shetlands.

Temperature rises generally, but falls at many of the Russian stations. Morning readings highest 73° at Patras, 71° at Athens, 70° at Constantinople, and 69° at La Calle; above 60° over S^rn Europe generally and also in the E. of Scotland. Lowest 36° at Archangel, 39° at Bodo, and 42° at Christiansund and Hango. Rising during day to 70° and upwards in many parts of Gt. Britain, and to 75° in London and at Loughborough; exceeding 75° at some stations in the W and S of France, and reaching 79° at Biarritz.

Wind light to moderate from the E^ard or S.E^ard on our southern and the French coasts, and also over Spain and Algeria. Light from the W^ard or S.W^ard on the north and east coasts of Gt. Britain; moderate to strong from the same quarters over the northern parts of the Continent, with a gale at Wisby; N.W^ly over eastern Germany and the south of Russia; variable in Austria and Italy. No important change occurring over W^rn Europe during day.

Barometer highest 30.4 ins. and upwards over Belgium and Germany; 30.1 ins. and upwards in an anticyclone embracing all but the N^rn and extreme S.W^rn parts of Europe. Lowest 29.7 ins. and less in a well marked depression lying over the Gulf of Bothnia and the neighbouring parts of Sweden. Western portion of anticyclone beginning to break up later; depression in N. moving away to the E^ard.

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 6 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 2nd June, 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 ...	29.92	39	N	4	bc	30.10	+.38	34	29	−11	N	6	c	*	bc	*	52	34	—
	Hernösand ...	30.07	47	NW	6	b	30.19	+.27	46	38	−1	NW	4	o	*	b	*	54	30	—
	Stockholm ...	30.15	50	N	2	c	30.21	+.11	47	41	−2	N	4	b	*	c	*	57	45	—
	Wisby	30.19	45	SSW	4	b	30.23	+.13	44	41	−2	NNW	4	b	*	b	*	52	39	—
	Karlstad ...	30.21	52	NE	2	b	30.27	+.08	48	42	+1	NE	2	b	*	b	*	*	*	—
	Bodö	30.28	45	WNW	4	c	30.26	+.31	40	36	−1	N	4	o	2	c	*	45	37	—
	Christiansund ...	30.34	45	NNE	2	b	30.28	+.03	45	41	+2	E	2	b	3	b	*	46	37	—
	Skudesnaes ...	30.26	52	NNW	2	b	30.18	−.12	52	49	+3	ESE	2	b	1	c.b	*	54	45	+
	Færder (Christiania Fjord)	30.19	54	SSW	2	b	30.27	+.05	49	42	−3	NE	2	b	1	b	*	57	46	—
	Skagen (The Scaw)	30.21	51	W	1	b	30.23	.00	53	50	+1	SSW	2	m	0	b	*	59	48	—
	Fanö	30.32	49	NW	1	o	30.27	−.07	51	50	0	NW	1	bc	*	o	*	57	48	—
British Islands.	Sumburgh Head	30.19	46	E	2	o	30.03	−.21	47	47	−2	ESE	4	m	4	m.o	*	52	43	—
	Stornoway ...	30.03	46	S	2	bc	29.87	−.26	55	53	+1	W	2	r	2	c.bc	11.0	67	48	003
	Wick	30.09	59	S	2	b	29.90	−.30	51	49	−2	S	4	o	2	b	*	65	41	—
	Nairn	30.01	59	E	1	m	29.89	−.31	54	53	−1	E	1	o	0	m.fr	*	61	47	008
	Aberdeen ...	30.11	55	ESE	2	bc	29.92	−.30	63	56	+9	SSW	2	c	1	bc,b	10.2	63	46	—
	Leith	30.07	62	W	3	b	29.95	−.26	61	55	+4	SW	4	c	*	b	*	69	51	—
	Shields	30.09	61	SE	3	m	29.97	−.27	59	56	+4	SW	3	cm	2	m	*	70	52	—
	Spurn Head ...	30.14	54	ESE	5	b	30.06	−.22	60	57	+2	S	3	c	3	b	*	61	52	—
	York														*					
	Loughborough ...	30.12	77	SSE	2	b	30.07	−.20	64	58	+1	ESE	1	bcur	*	bc,c,bc	*	78	50	—
	Ardrossan ...																*			
	Malin Head ...	29.92	67	SSE	5	cmg	29.92	−.20	51	50	−8	NW	6	cpgm	3	bc.cmg	*	71	51	002
	Belmullet ...	29.86	64	NE	2	obl	30.15†	+.09	54	49	−8	WNW	4	b	*	o,fl	*	72	49	003
	Donaghadee ...	30.05	59	S	3	bc	29.98	+.22	57	54	−2	NW	4	cgw	3	bc	*	63	56	—
	Liverpool (Bidston)	30.08	72	SE	2	bc	30.08	−.14	58	54	−2	WSW	3	c	3	bc	*	75	55	—
	Holyhead ...	30.06	70	S	1	b	30.08	−.10	55	53	−8	W	3	c	2	bm.b	*	72	52	—
	Parsonstown ...	29.90	65	E	2	o	30.15	+.04	55	49	−5	W	2	c	*	b,o	9.2	73	50	—
	Valencia ...	29.97	56	WSW	4	og	30.23	+.23	55	49	−7	NW	3	bc	3	c.o.og	6.7	68	51	—
	Roche's Point ..	29.98	59	SSW	5	c	30.19	+.11	55	50	−4	NNW	5	b	3	c	*	62	50	—
	Pembroke (St. Ann's Hd.)	30.09	58	SW	5	b	30.14	.00	54	53	−5	NW	4	b	4	b	13.5	64	46	—
	Scilly	30.06	60	SSE	4	b	30.15	+.06	56	53	−4	N	4	c	1	b	13.6	65	53	—
	Prawle Point ..	30.10	61	ENE	3	b	30.13	−.06	64	59	+3	W	2	b	1	b	*	66	62	—
	Jersey (St. Aubin's)	30.11	71	ESE	3	b	30.14	−.07	69	61	+2	ENE	2	bm	2	bm	*	75	50	—
	Hurst Castle ...	30.14	67	S	1	bm	30.12	−.11	67	61	+3	calm	0	bm	0	bm	*	73	55	—
	Dungeness ...	30.16	60	ENE	3	m	30.12	−.14	64	61	+4	SE	1	b	1	m	*	66	54	—
	North Foreland																*			
	London (Brixton) ...	30.15	74	SSE	3	b	30.11	−.17	73	60	+5	S	1	b	*	b	12.4	80	58	—
	Oxford	30.12	66	S	1	b	30.10	−.16	66	58	+3	SW	2	b	*	b	*	76	55	—
	Cambridge ...														*					
	Yarmouth ...	30.09	59	ESE	3	b	30.12	−.18	59	55	+4	SE	3	b	3	b	*	60	53	—
Germany & Holland.	Cuxhaven ...	30.31	54	NW	2	f	30.26	−.08	55	52	0	S	1	b	*	f	*	59	48	—
	Berlin	30.23	64	NNW	4	b	30.28	−.01	60	54	+4	WNW	3	b	*	b	*	70	54	—
	Wiesbaden ...	*	*	*	*	*	30.23	−.11	64	55	+12	SE	2	b	*	*	*	73	52	—
	Munich... ..	30.26	59	calm	0	b	30.28	−.08	60	55	+1	SE	2	b	*	b	*	70	45	—
	The Helder ...	30.23	59	calm	0	b	30.17	−.17	64	58	+4	SE	1	b	0	b	*	64	55	—
Belgium.	Brussels ...	*	*	*	*	*	30.18	−.13	68	60	+9	S	1	b	*	b	*	77	54	—
	Cape Gris Nez ...	30.19	64	ESE	1	b	30.16	−.13	67	58	+4	S	1	m	0	b	*	79	54	—
	Paris	30.17	74	SSE	2	b	30.18	−.10	61	56	0	calm	0	m	*	b	*	78	48	—
	Brest	30.08	61	SSE	1	b	30.13	+.09	55	54	−4	N	2	m	1	b	*	77	48	—
	Lorient... ...	30.10	67	calm	0	b	30.10	−.05	59	55	−1	ESE	2	b	2	b	*	73	55	—
France &	Rochefort ...	30.04	70	NW	2	b	30.10	−.04	63	56	+4	E	3	b	*	b	*	86	54	—
	Belfort	30.13	69	NE	2	m	30.17	−.11	59	53	+3	E	1	m	*	m	*	74	51	—
	Lyons	30.13	72	NE	1	b	30.19	−.08	61	52	+2	E	1	b	*	b	*	77	51	—
	Nice	30.16	66	calm	0	b	30.17	−.08	63	52	−2	ENE	3	b	1	b	*	72	54	—
	Perpignan ...	30.17	69	SE	2	b	30.19	−.07	61	57	+2	calm	0	b	*	b	*	72	45	—
	Biarritz ...	29.99	67	NNE	4	b	30.02	−.03	69	55	+10	S	4	b	1	b	*	77	59	—
Peninsula.	Corunna ...																*			
	Lisbon	30.03	61	NNE	4	o	30.04	+.06	63	59	+2	NE	5	bc	*	o	*	68	59	028
	Azores (F. Delgada)																*			

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

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

Bright Sunshine yesterday Southport 10·1 hrs.

WEATHER CHARTS

FOR Friday, 2nd June, 1899.

BAROMETER, WIND AND SEA.

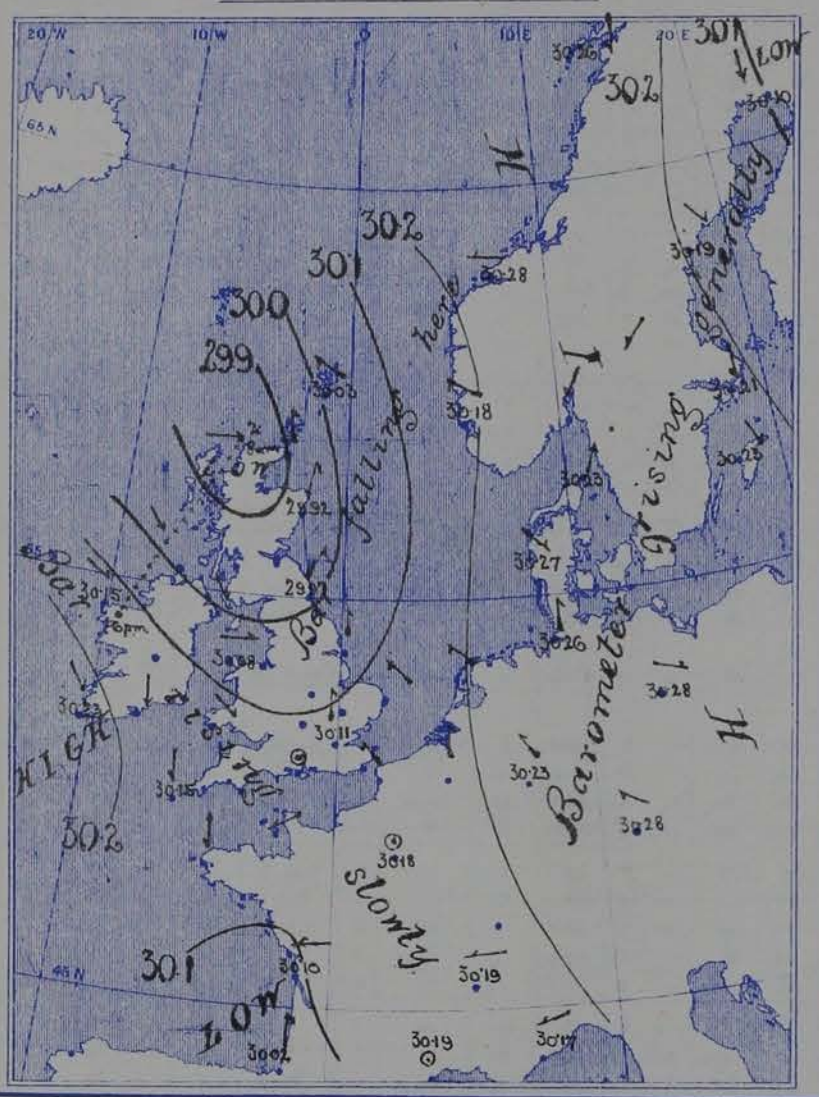
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟶ ;

SEA—*Rough* ▤ : *High* ▩

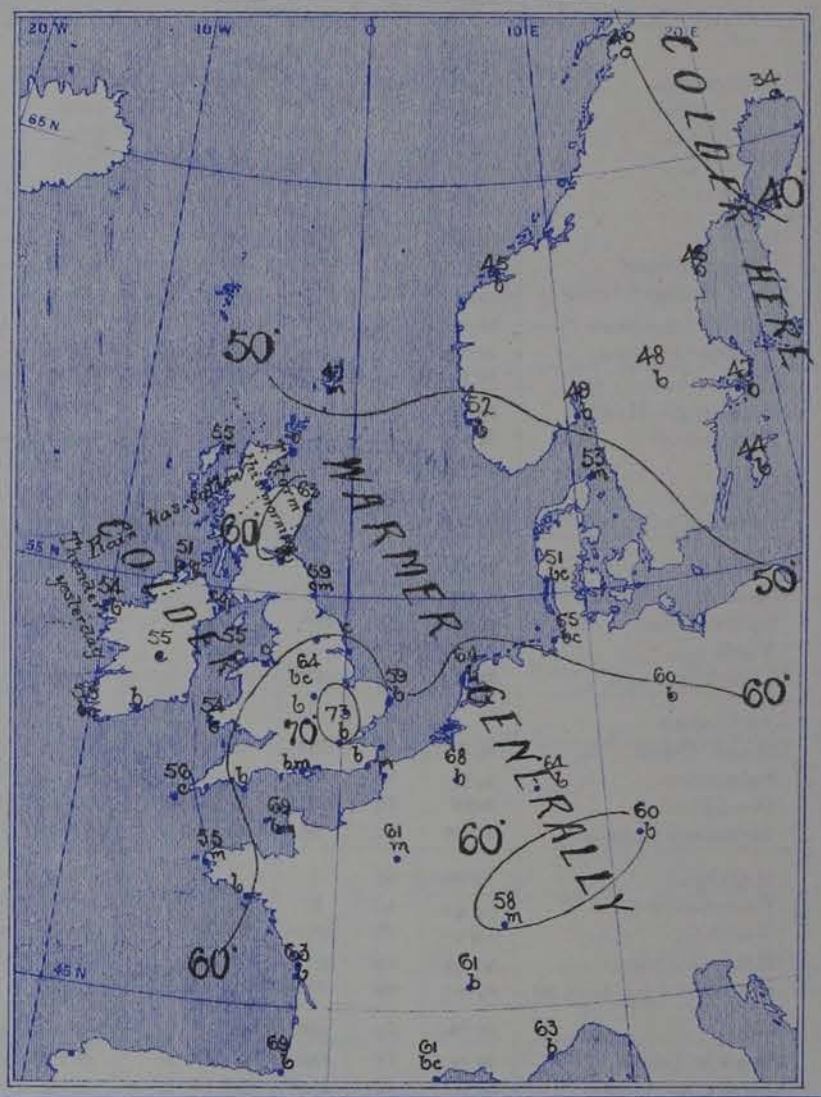


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 013	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 0	81	1877, 88	40	1892	1 · 86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and upwards in a large anticyclone lying over Scandinavia, Denmark and Germany and also in a new system which has appeared over the S. of Ireland.
Lowest 29.9 ins. and less in a small shallow depression with its centre off the N. of Scotland, and less in another shallow system over the Bay of Biscay.
Gradients slight. Barometer falling on our N. and NE. coasts, and also on the E.rn shores of the North Sea, but rising elsewhere.

TEMPERATURE

Highest (1) 73° in London, 69° at Jersey, 68° at Brussels, and 67° at Jersey and Hurst Castle, (2) 69° at Birr[illegible]
Lowest 34° at Haparanda, 40° at Bodo, 44° at Wisby, and 45° at Christiansund; lowest in our Isles 47° at Lerwick Ft., and 51° at Wick and Malin Hd.
During yesterday the thermometer rose to 70° and upwards in many parts of England and Ire[illegible], to 78° at Loughborough, and to 80° in London.

WIND

Light from the N.rn (S.E. to S.W.) over the eastern and central parts of Gt. Britain, and also over the Netherlands and the eastern shores of the North Sea.
Moderate to fresh from the NW.rn or N.rn over Ireland and the southwest of England.
Light from the E.rn over the greater part of France, variable in Germany; N. or NW. in Sweden.

WEATHER

Fine and bright over the S.rn parts of our Islands, as well as at most of the Continental stations, but dull in the N. of Scandinavia.
Cloudy in the N.rn parts of the United Kingdom with rain at Stornoway & passing showers at Malin Hd.
A little rain has fallen in the northern parts both of Ireland and Scotland; thunder and lightning have occurred at Nairn and Belmullet, and thunder only at Aberdeen.

SEA

Slight or smooth on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Since last evening a small depression has moved in a NNE. direction along our eastern N.W. coasts. In the rear of the disturbance a new anticyclone is spreading in from the Atlantic, and as the original high pressure system to the E. of our Islands is still in force the conditions are favourable for the development of shallow thunderstorm depressions over England.

FORECASTS

For the 24 hours ending at NOON on 3RD JUNE 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. to variable or W. breezes, changeable some showers, thunder locally.	6 SCOTLAND WEST	W. to NW. winds moderate, changeable, some showers, possibly thunder.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	NW. or N. winds, moderate, fair generally, but local thundershowers.
3 ENGLAND EAST	S. winds, veering later to the W.rd or NW.rd, weather becoming temporarily cooler and unsettled, with thunderstorms in many places.	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.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·32	54	49	WSW	2	c	2	Valencia	29·93	60	56	S	3	o	4
Sumburgh Head	30·23	47	47	E	2	m	3	Scilly	30·06	63	60	SSE	4	b	1
Stornoway	30·09	64	54	SSE	2	c	2	Jersey	30·18	72	61	E	2	bm	2
Aberdeen	30·17	58	54	ENE	2	bc	2	Hurst Castle ...	30·19	70	60	S	2	bm	1
Shields	30·17	65	58	SW	2	m	2	Dungeness ...	30·22	64	62	ENE	3	m	2
Ardrossan								North Foreland							
Malin Head ...	29·99	69	58	SSE	4	bc	2	London (Westminster)	30·20	77	63	SE	2	b	*
Belmullet	29·96	69	59	SSW	1	o	*	Yarmouth ...	30·26	59	54	ESE	3	b	2
Holyhead	30·11	72	61	SW	2	bm	1	Rochefort ...	30·11	84	70	SE	2	b	*

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

Weather in morning fine over our Islands and the Continent generally but dull in many parts of the Spanish Peninsula and also in the Shetlands, the W. of Norway and in Russia. A little rain falling at night in the N^rn. parts of Ireland and Scotland; thunder and lightning occurring at Belmullet.

Temperature rose over France, the Netherlands and the central and S^rn. parts of our Islands, fallen in most other localities. Morning readings highest (1) 76° at Patras, 71° at Malta, and 70° at Athens, (2) 68° in London, and 67° at Jersey; above 60° in most parts of England and Wales. Lowest 41° at Bodö and Ulealong, 43° at Thorpio and Christiansund, and 44° at Helsingfors. Rising during day to between 70° and 75° in many parts of England and Ireland, to 78° at Loughborough, and to 80° in London. Exceeding 75° also over France and Belgium.

Wind light to moderate from the E^rd. or S.E^rn. over Ireland, England, France, Spain, the Netherlands, W^rn. Germany and N^rn. Italy. Calms or variable in Scotland; light to moderate from the N.W^rd. or N^rd. over the greater part of Scandenavia, Finland, Denmark and N. Germany, but blowing a gale from W. at Hernösand. Calm in Austria; variable over the southern parts of Russia and Italy. Cyclonic circulation appearing later over Ireland; light S.E^rly. breezes springing up in Scotland.

Barometer highest 30·3 ins. and upwards in an anticyclone with its central area covering Germany, the Netherlands and the greater part of the North Sea. Lowest 29·7 ins. and less in a large shallow depression over N^rn. Russia; 29·9 ins. and less in another disturbance over Morocco. Small depression appearing later over the W. of Ireland and moving in a N.N.E^rly. direction during 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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DAILY WEATHER REPORT

for 8 a.m. on Saturday 3rd June, 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 ...	30·23	36	N	6	o	30·25	+ ·15	36	30	+ 2	NNW	2	o	#	o	#	43	30	—
	Hernösand ...	30·24	38	E	o	bc	30·27	+ ·08	42	36	— 4	S	2	bc	#	bc	#	48	36	—
	Stockholm ...	30·26	43	NE	2	b	30·25	+ ·04	49	42	+ 2	ENE	4	o	#	b	#	54	41	—
	Wisby	30·26	44	SSE	4	b	30·23	·00	50	41	+ 6	S	4	c	#	b	#	50	39	—
	Karlstad ...	30·15	53	SW	2	b	30·10	— ·17	51	47	+ 3	SSE	2	b	#	b	#	#	#	—
	Bodö	30·28	38	NE	2	bc	30·30	+ ·04	38	35	— 2	E	2	b	1	bc	#	45	32	—
	Christiansund ...	30·12	49	ENE	4	b	30·05	— ·23	50	43	+ 5	ENE	3	b	3	b	#	50	43	—
	Skudesnaes ...	30·05	53	S	4	c	29·98	— ·20	51	50	— 1	S	6	m	3	c	#	55	45	+
	Færder (Christiania Fjord)	30·14	55	SSW	1	o	30·07	— ·20	52	50	+ 3	NE	1	m	o	o	#	55	48	—
	Skagen (The Scaw)	30·15	53	E	o	m	30·05	— ·18	55	54	+ 2	SSW	2	m	o	m	#	66	50	—
	Fanö	30·13	59	E	o	c	30·08	— ·19	55	53	+ 4	W	2	b	#	c	#	68	50	—
British Islands.	Sumburgh Head	29·86	51	NE	2	rt	29·99	— ·04	47	47	0	NW	3	o	4	o. rt	#	52	45	0·16
	Stornoway ...	30·13	55	WNW	4	bc	30·00	+ ·13	52	50	— 3	S	4	o	4	o. bc	32	57	45	0·05
	Wick	29·94	53	SW	5	ot	30·06	+ ·16	55	51	+ 4	S	1	b	1	ot	#	62	42	0·01
	Nairn	30·02	54	W	2	c	30·08	+ ·19	55	51	+ 1	W	1	c	1	c	#	64	38	0·07
	Aberdeen ...	29·95	62	WNW	5	bcq	30·10	+ ·18	57	50	— 6	SE	2	bc	1	bc. bcq	10·1	67	45	—
	Leith	30·01	57	W	3	o	30·15	+ ·20	56	51	— 5	WSW	2	c	#	o	#	65	44	—
	Shields	30·07	57	SW	3	c	30·17	+ ·20	54	49	— 5	WSW	3	bc	2	c	#	69	45	—
	Spurn Head ...	30·07	60	W	4	c	30·20	+ ·14	55	51	— 5	WNW	3	bc	3	c	#	75	48	—
	York														#					
	Loughborough ...	30·13	65	W	3	bc	30·23	+ ·16	58	50	— 6	W	2	bcw	#	c. bc, bm	#	71	42	—
	Ardrossan ...		1														#			
	Malin Head ...	30·14	55	WNW	3	b	30·07	+ ·15	52	50	+ 1	SSW	3	cq	2	b	#	55	49	—
	Belmullet ...	30·20	57	W	3	b	30·09	— ·06	54	54	0	SSW	5	om	#	b	#	57	50	0·02
	Donaghadee ...	30·16	56	N	3	b	30·17	+ ·19	56	52	— 1	S	4	b	3	b	#	62	55	—
	Liverpool (Bidston)	30·18	55	W	2	c	30·23	+ ·15	57	52	— 1	WSW	1	b	2	c	#	59	48	—
	Holyhead ...	30·19	57	NW	1	b	30·21	+ ·13	57	52	+ 2	SSW	3	b	2	b	#	60	47	—
	Parsonstown ...	30·25	61	SW	1	b	30·19	+ ·04	55	50	0	SW	1	o	#	b	10·9	63	42	—
	Valencia ...	30·26	55	W	3	c	30·21	— ·02	56	52	+ 1	S	3	o	4	b, c	12·7	57	43	—
	Roche's Point ...	30·22	62	NNW	3	b	30·24	+ ·05	56	52	+ 1	SE	2	b	2	b	#	63	49	—
	Pembroke (St. Ann's Hd.)	30·20	56	NW	4	b	30·23	+ ·09	56	54	+ 2	E	2	b	2	b	14·3	66	47	—
	Scilly	30·20	57	N	4	bc	30·19	+ ·04	57	53	+ 1	NNE	3	b	1	c. bc	14·0	63	51	—
	Prawle Point ...	30·16	61	E	1	b	30·20	+ ·07	61	55	— 3	NNE	2	b	1	b	#	70	50	—
	Jersey (St. Aubin's)	30·12	68	NNW	2	bm	30·18	+ ·04	67	58	— 2	NE	2	bcm	2	bm	#	71	55	—
	Hurst Castle ...	30·13	64	SW	3	bm	30·20	+ ·08	61	57	— 6	NE	1	bm	1	bm	#	71	52	—
	Dungeness ...	30·10	62	WSW	3	b	30·19	+ ·07	63	60	— 1	NE	2	b	1	b	#	67	53	—
	North Foreland																#			
	London (Brixton) ...	30·09	72	SW	3	bc	30·21	+ ·10	60	54	— 13	N	2	bc	#	b. cp. b	10·1	83	53	—
	Oxford	30·14	64	NW	2	c	30·23	+ ·13	57	52	— 9	N	2	bc	#	c	#	74	45	—
	Cambridge ...														#					
	Yarmouth ...	30·07	70	N	3	b	30·19	+ ·07	58	54	— 1	NE	2	b	2	b	#	73	50	—
Germany & Holland.	Cuxhaven ...	30·13	63	NE	1	b	30·08	— ·18	60	57	+ 5	NW	3	b	#	b	#	64	54	—
	Berlin	30·19	66	NE	3	b	30·17	— ·11	63	56	+ 3	SE	3	b	#	b	#	75	55	—
	Wiesbaden ...	*	*	*	*	*	30·13	— ·10	60	56	— 4	E	1	b	#	*	#	75	52	—
	Munich	30·23	60	E	1	b	30·27	— ·01	61	55	+ 1	SE	2	b	#	b	#	72	45	—
	The Helder ...	30·08	70	S	1	b	30·15	— ·02	56	53	— 8	NNW	1	b	1	b	#	73	54	—
Belgium.	Brussels ...	*	*	*	*	*	30·17	— ·01	68	62	0	W	1	b	#	b	#	79	51	—
	Cape Gris Nez	30·14	66	E	o	m	30·18	+ ·02	57	55	— 10	E	2	m	1	m	#	79	54	—
	Paris ...	30·13	74	SSW	1	b	30·18	·00	65	57	+ 4	N	1	m	#	b	#	82	53	—
	Brest ...	30·13	61	NNE	3	b	30·13	·00	56	51	+ 1	ESE	1	b	1	b	#	68	48	—
	Lorient ...	30·13	68	E	o	b	30·12	+ ·02	61	56	+ 2	E	3	b	2	b	#	77	57	—
France &	Rochefort ...	30·06	73	NW	1	b	30·09	— ·01	64	59	+ 1	SE	1	b	#	b	#	90	57	—
	Belfort	30·09	70	N	1	m	30·15	— ·02	63	59	+ 4	E	0	m	#	m	#	76	53	—
	Lyons ...	30·10	74	E	1	b	30·17	— ·02	63	55	+ 2	SE	1	b	#	b	#	80	53	—
	Nice	30·14	69	SE	2	b	30·17	·00	66	53	+ 3	SW	2	b	0	b	#	73	57	—
	Perpignan ...	30·15	70	E	1	b	30·17	— ·02	61	59	0	E	0	b	#	b	#	75	45	—
	Biarritz ...	30·00	70	NE	4	b	30·02	·00	62	60	— 7	E	0	b	2	b	#	75	59	—
Peninsula.	Corunna ...														#					
	Lisbon	30·00	61	NNE	4	b	29·99	— ·05	67	61	+ 4	NE	4	b	#	b	#	73	59	—
	Azores (P. Delgada)	30·29	64	SE	1	bc	30·26	— ·05	66	62	0	NNE	2	bc	2	bc	#	73	59	—

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

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

Bright Sunshine yesterday Southport 7·8 *hrs;*

WEATHER CHARTS

FOR Saturday, 3rd June, 1899.

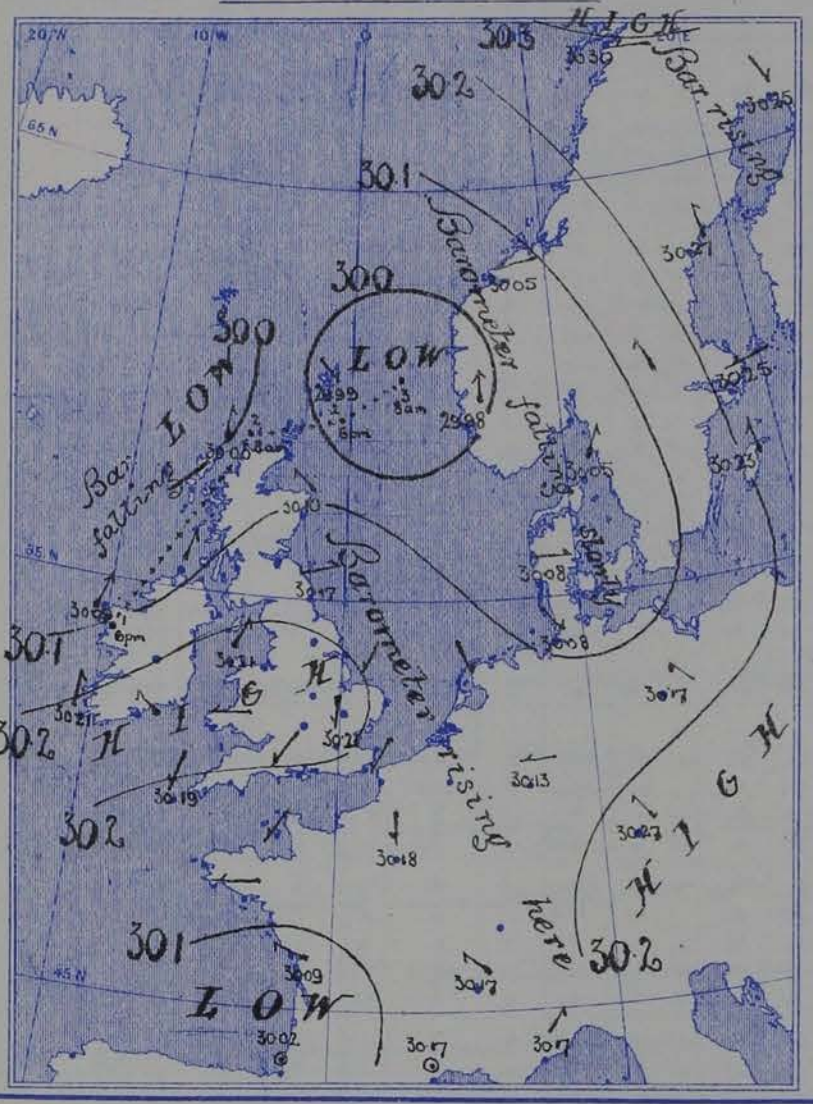
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.

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

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 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 013	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 · 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 · 0	81	1877, 88	40	1892	1 · 86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and upwards over the central and S^rn. parts of our Islands and also over Sweden and S. Germany.
Lowest 30.0 ins. and less in two shallow depressions one lying off our extreme NW. coasts, and the other between the Shetlands and the W. of Norway.
Gradients slight. Barometer falling in the extreme NW. of our Islands, and also on the shores of the North Sea, but rising elsewhere.

TEMPERATURE

Highest 68° at Brussels, 67° at Jersey, 66° at Nice, 65° at Paris, 64° at Rochefort, and 63° at Dungeness, Belfort and Lyons.
Lowest 36° at Haparanda, 38° at Bodo, 42° at Hernösand, 47° at Dunbargh Hd. & 49° at Stockholm.
During yesterday the thermometer rose to 70° and upwards over the central and southern parts of our Islands generally, and to 83° in London.

WIND

Light to moderate from the S^rd. in Ireland and the west and north of Scotland.
Light from the W^rd. or SW^rd. on our east coasts, but from the N^rd. or NE^rd. in the south of England and the north of France, calm or variable in the south of France and also in Germany.
S^th. in Sweden and the south of Norway; E^ly. in the west of Norway.

WEATHER

Fine over W^rn. Europe as a whole, but cloudy or dull on our own extreme W^rn. and N^rn. coasts as well as in the S. of Sweden.
A little rain fell yesterday in the extreme N. and NW. of our Islands and a few spots in London, but in other parts of our area the weather remained very dry. Distant thunder was heard at Wick all day.

SEA

Smooth generally, but moderate off the N. of Scotland and at Valencia (Ireland).

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small depression noticed yesterday off the N. of Scotland and the shallow secondary system over England are both moving away over the North Sea. A new disturbance is now approaching our extreme NW coasts, but this is scarcely likely to affect the weather over England.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S^ly. to SW^ly. winds, moderate or fresh; dull, some rain.
1	SCOTLAND EAST	SW^ly. to S^ly. winds, moderate; fair at first, some showers later.
2	ENGLAND N.E.	SW^ly. winds, light; fair generally.
3	ENGLAND EAST	N^ly. to NW^ly. winds, light; fine generally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as Nos. 3 to 5.
9	IRELAND NORTH	S^ly. and SW^ly. winds, moderate or fresh; cloudy, 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.	F.	WEA.	SEA.
Skudesnaes ...	30·15	55	51	SSW	6	c	3
Sumburgh Head	29·92	48	48	NE	3	o	5
Stornoway	29·95	53	51	W	3	o	3
Aberdeen	29·89	64	56	SSW	2	bc	2
Shields	? 30·02	65	57	SW	4	bc	2
Ardrossan							
Malin Head ...	30·11	55	52	NW	5	b	3
Belmullet	30·21	56	52	W	3	b	*
Holyhead	30·17	59	54	NW	3	b	2
Valencia	30·26	57	50	W	3	b	4
Scilly	30·20	57	53	N	5	c	3
Jersey	30·17	69	60	NW	3	bm	3
Hurst Castle ...	30·14	66	60	SW	2	bm	1
Dungeness ...	30·12	66	64	SSW	3	b	2
North Foreland							
London (Westminster)	30·08	82	61	SSW	3	b	*
Yarmouth ...	30·07	65	58	SSE	3	b	3
Rochefort ...	30·09	84	70	S	1	b	*

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

Weather in morning fine over the greater part of our Islands and the Continent, but dull on our own extreme N. and NW. coasts, with rain at Stornoway and passing showers at Malin H^d. Dull also over the N^rn. parts of Russia and Scandinavia, and in many parts of Austria and N^rn. Italy, with rain at Lemberg. A little rain falling later in the extreme N. and NW. of our Island generally and distant thunder heard at Wick.

Temperature fallen in the W^rn. and extreme N^rn. parts of our Islands and also over Sweden and N^rn. Russia; risen in most other localities. Morning readings highest (1) 73° in London, 69° at Jersey, and 68° at Brussels; (2) 72° at Alicante, Trieste and Sfax, and 71° at Palma. Lowest 34° at Haparanda, 36° at Ulesborg, 37° at Archangel, and 40° at Bodö. Rising during day to 70° and upwards in many parts of England, and to 83° in London; exceeding 75° in many parts of France and Belgium, and reaching 82° at Paris.

Wind moderate to fresh from the NW^rn. or N^rn. over Ireland and the southwest of England, light from the S^rn. (SE to SW) over the eastern and central parts of Gt. Britain, and also over the Netherlands and the eastern shores of the North Sea. N^rn. or NW^rn. over Sweden and Finland; calm or variable over Austria and the south of Russia. N^rn. (NW to NE) over Italy; E^rn. or NE^rn. over the Spanish peninsula and the extreme south of France. Subsequently veering to the NW^rn. in Scotland, but backing to the W^rn. in the west of Ireland.

Barometer highest 30·2 ins. and upwards in an anticyclone lying over Scandinavia, Denmark, Germany and Switzerland, and also in another system lying over the SW. of Ireland. Lowest 29·6 ins. and less in a depression over N^rn. Russia, 29·9 ins. and less in another disturbance with its centre off the N. of Scotland, 30·0 ins. and less in a shallow system over Morocco and the extreme S. of Spain. Depression off the N. of Scotland subsequently moving slowly N^rd., shallow secondary disturbance forming over England, but moving E^rd. slowly.

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. Sweden, Norway and Germany. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 4th June, 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 ...	30·17	33	WNW	4	bc	30·08	— ·17	38	35	+ 2	S	4	b	*	bc	*	43	34	—
	Hernösand ...	30·26	39	calm	0	b	30·09	— ·18	41	39	— 1	SW	4	o	*	b	*	46	34	—
	Stockholm ...	30·19	43	ENE	2	b	30·19	— ·06	54	48	+ 5	ESE	2	b	*	b	*	54	37	—
	Wisby	30·15	44	SE	4	o	30·13	— ·10	51	48	+ 1	SE	4	c	*	o	*	55	36	·004
	Karlstad ...	30·06	54	SE	2	b	30·14	+ ·04	48	45	— 3	ENE	2	o	*	b	*	*	*	—
	Bodö	30·15	41	N	6	b	30·04	— ·16	43	37	+ 5	N	2	bc	1	b	*	43	32	—
	Christiansund ...	29·99	56	NE	2	b	30·03	— ·02	49	47	— 1	W	3	f	4	b	*	50	43	—
	Skudesnaes ...	30·00	56	NW	2	c	30·13	+ ·15	51	50	0	WSW	2	f	1	c,c	*	56	46	*
	Færder (Christiania Fjord)	30·02	53	NE	2	r	30·13	+ ·06	53	49	+ 1	E	2	m	1	r	*	53	50	·028
	Skagen (The Scaw)	29·99	52	N	1	m	30·11	+ ·06	54	53	— 1	calm	0	m	0	m	*	59	52	—
	Fanö	30·15	50	NW	6	*	30·22	+ ·14	52	48	— 3	NW	6	b	*	o	*	55	50	—
	Sumburgh Head	29·99	51	SW	2	o	30·04	+ ·05	51	49	+ 4	W	2	c	3	c,o	*	54	46	·007
	Stornoway ...	29·91	53	SW	4	r	30·06	+ ·06	53	51	+ 1	SSW	3	o	3	c,r	·00	53	40	·010
	Wick	29·97	55	S	2	bc	30·10	+ ·04	53	49	— 2	S	2	bc	1	bc	*	59	45	·001
	Nairn	29·99	59	WSW	3	c	30·09	+ ·01	58	55	+ 3	calm	0	c	0	c	*	63	50	—
	Aberdeen ...	30·02	61	SW	2	o	30·12	+ ·02	62	56	+ 5	S	2	c	1	c,o	7·1	66	53	·001
British Islands.	Leith	30·08	61	WSW	3	c	30·15	·00	64	59	+ 8	WSW	1	c	*	c	*	68	53	—
	Shields	30·13	59	S	1	o	30·19	+ ·02	60	54	+ 6	SW	1	o	2	o	*	65	51	—
	Spurn Head ...	30·16	55	SSE	3	b	30·22	+ ·02	58	53	+ 3	SSE	1	b	2	b	*	59	50	—
	York														*					
	Loughborough ...	30·16	71	W	1	b	30·22	— ·01	62	57	+ 4	ESE	1	bcmist	*	bc,bm	*	71	47	—
	Ardrossan ...																*			
	Malin Head ...	30·05	55	W	4	r	30·14	+ ·07	56	56	+ 4	SW	2	bcf	1	r	*	55	52	·002
	Belmullet ...	30·11	56	WSW	4	o	30·19	+ ·10	57	56	+ 3	SSW	3	o	*	r,o	*	57	52	·007
	Donaghadee ...	30·13	62	SSE	4	o	30·20	+ ·03	59	57	+ 3	S	1	o	2	op	*	62	48	—
	Liverpool (Bidston)	30·18	61	NW	1	bc	30·23	·00	62	54	+ 5	NE	1	b	1	bc	*	64	52	—
	Holyhead ...	30·17	59	SW	1	bc	30·22	+ ·01	63	58	+ 6	W	1	bc	1	c,bc	*	63	49	—
	Parsonstown ...	30·15	64	SW	1	o	30·23	+ ·04	59	55	+ 4	SW	1	o	*	b,o	9·7	66	50	...
	Valencia ...	30·19	58	SSW	2	o	30·24	+ ·09	58	56	+ 2	calm	0	o	2	c,o	5·5	61	55	—
	Roche's Point ...	30·20	60	SSW	4	b	30·25	+ ·01	59	56	+ 3	NW	1	b	2	b	*	62	51	—
	Pembroke (St. Ann's Hd.)	30·18	59	NNW	3	b	30·23	·00	61	57	+ 5	calm	0	b	1	b	1·45	61	50	—
	Scilly	30·17	58	N	3	b	30·17	— ·02	58	56	+ 1	NNE	4	c	1	b	1·45	60	53	—
	Prawle Point ...	30·15	61	ENE	2	b	30·19	— ·01	65	56	+ 4	NE	3	bc	2	b	*	67	55	—
	Jersey (St. Aubin's)	30·18	71	E	3	b	30·18	·00	67	59	0	ENE	2	cm	2	b	*	78	62	—
	Hurst Castle ...	30·15	65	SSE	1	b	30·22	+ ·02	64	59	+ 3	NE	1	bm	1	b	*	70	51	—
	Dungeness ...	30·16	57	ENE	3	b	30·22	+ ·03	61	59	— 2	ENE	3	b	2	bc,b	*	64	54	—
	North Foreland														*					
	London (Brixton) ...	30·16	71	NE	1	bm	30·23	+ ·02	68	60	+ 8	E	1	b	*	bm	5·5	76	52	—
	Oxford	30·17	64	ENE	1	b	30·23	·00	65	59	+ 8	SSE	1	b	*	b	*	73	48	—
	Cambridge ...														*					
	Yarmouth ...	30·19	59	E	1	b	30·23	+ ·04	53	51	— 5	SE	2	b	2	b	*	60	51	—
Germany & Holland.	Cuxhaven ...	30·15	56	NW	3	o	30·23	+ ·15	53	50	— 7	NW	2	b	*	o	*	59	48	—
	Berlin	30·07	68	W	3	b	30·20	+ ·03	53	50	— 10	W	3	o	*	b	*	77	52	—
	Wiesbaden ...	*	*	*	*	*	30·20	+ ·07	67	59	+ 7	NW	4	b	*	*	*	78	56	—
	Munich	30·19	63	calm	0	b	30·24	— ·03	66	60	+ 5	calm	0	b	*	b	*	73	50	—
	The Helder ...	30·19	53	N	1	o	30·26	+ ·11	55	52	— 1	N	1	bc	0	o	*	59	48	—
Belgium.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez ...	30·17	59	ESE	2	b	30·21	+ ·03	64	58	+ 7	SE	1	m	0	b	*	64	54	—
	Paris	30·13	76	NNE	3	b	30·21	+ ·03	64	57	— 1	NNE	1	b	*	b	*	82	54	—
	Brest	30·10	77	N	1	b	30·12	— ·01	66	62	+ 10	ENE	1	b	1	b	*	81	50	—
	Lorient	30·10	75	calm	0	b	30·12	·00	64	60	+ 3	E	2	b	2	b	*	82	57	—
France &	Rochefort ...	30·02	73	NW	2	b	30·08	— ·01	63	?	— 1	E	1	c	*	b	*	93	52	—
	Belfort	30·06	75	NNW	1	m	30·15	·00	62	58	— 1	ENE	1	m	*	m	*	82	55	—
	Lyons	30·10	77	N	1	b	30·18	+ ·01	63	54	0	SE	1	b	*	b	*	82	58	—
	Nice	30·11	71	E	6	bc	30·12	— ·05	70	57	+ 4	E	6	c	2	bc	*	73	63	—
	Perpignan ...	30·10	72	E	3	o	30·13	— ·04	61	57	0	SW	2	o	*	o	*	75	55	—
	Biarritz ...	29·99	59	NE	4	b	30·01	— ·07	68	61	+ 6	calm	0	b	2	b	*	72	59	—
Peninsula.	Corunna ...	30·03	64	N	4	b	30·08	+ ·02	60	57	— 1	N	1	f	3	b	*	64	55	—
	Lisbon	30·01	64	NNW	4	b	30·06	+ ·07	65	60	— 2	NNE	3	bc	*	b	*	77	59	—
	Azores (P. Delgada)	30·26	63	NNW	2	b	30·22	— ·04	66	63	0	S	1	b	2	b	*	72	57	—

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 14·3 hrs;

WEATHER CHARTS

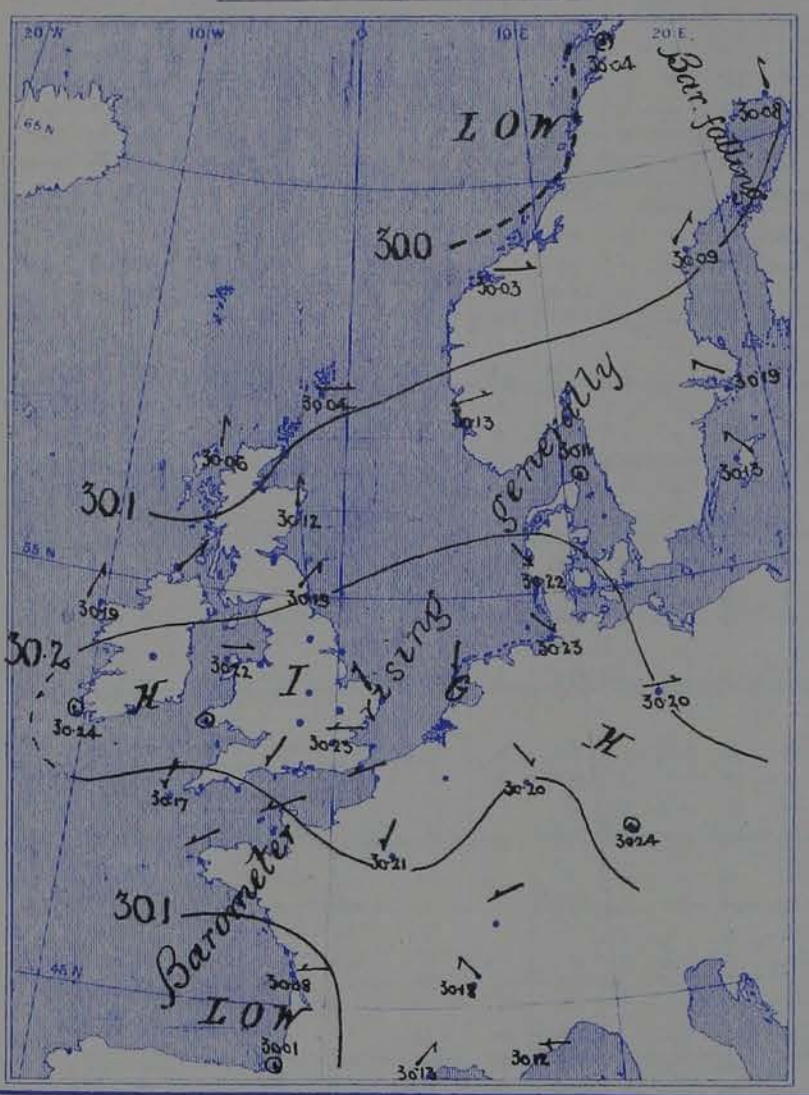
FOR Sunday, 4th June, 1899.

BAROMETER, WIND AND SEA.

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

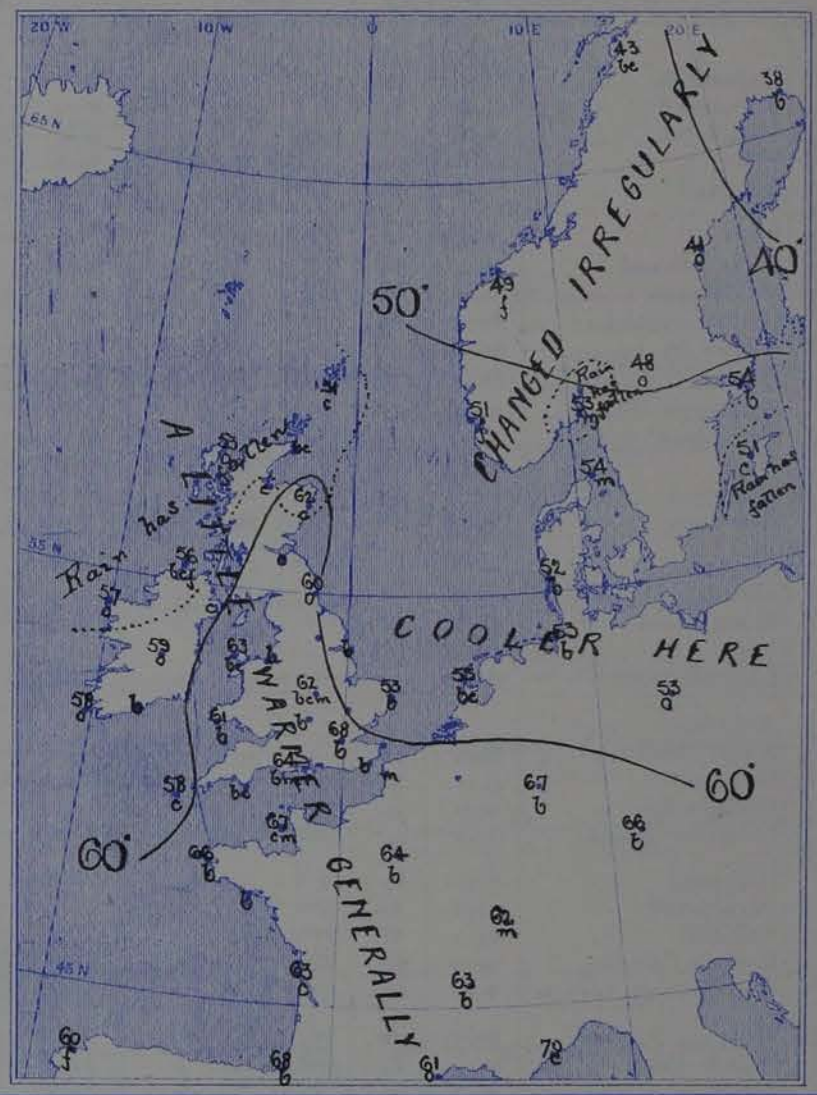
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; Calm ⊙

SEA—*Rough* ≡ ; *High* ▨



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 013	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 0	81	1877, 88	40	1892	1 · 86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·2 ins: and upwards in an anticyclone lying over the greater part of Ireland, England, the Netherlands, Germany, and the north of France.
Lowest, 30·0 ins: and less (apparently) in a shallow depression lying off the northern parts of the Norwegian coasts.
Gradients slight. Barometer rising a little generally, but falling in the northern parts of Scandinavia.

TEMPERATURE — Highest, 70° at Nice, 68° in London and at Biarritz, 67° at Jersey and Westerdeu, and 66° at Munich and Brest.
Lowest, 38° at Haparanda, 41° at Hernösand, 43° at Bodö, and 48° at Karlstad: lowest in our Islands 51° at Sumburgh Head.
During yesterday the thermometer rose to 70° and upwards over the central and southern parts of England, to 76° in London and to 78° at Jersey.

WIND — Light from the SW^{ly} over the northern parts of the United Kingdom and also at several of the Scandinavian stations, but E$^{\frac{3}{4}}$ or SE$^{\frac{3}{4}}$ in the south of Sweden.
Light from the E^{ly} or NE^{ly} over the south of England and the greater part of France; W$^{\frac{3}{4}}$ or NW$^{\frac{3}{4}}$ in Denmark and Germany.

WEATHER — Fair or fine over Western Europe as a whole, but dull in the extreme west and northwest of our Islands. Foggy or misty on the Norwegian coasts.
Since yesterday morning a little rain has fallen on our own extreme north and northwest coasts, as well as at Jaerden and Wick.
In all other parts of our area the weather has remained very dry.

SEA — Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 5TH JUNE 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.	F.	WEA.	SEA.
Skudesnaes ...	30·02	55	53	SSW	2	o	2
Sumburgh Head	30·02	52	50	W	2	c	4
Stornoway	29·94	52	51	SW	5	c	5
Aberdeen	30·06	57	51	SSE	3	c	2
Shields	30·10	60	52	ESE	1	cm	2
Ardrossan							
Malin Head ...	30·05	53	52	SW	4	r	3
Belmullet	30·09	55	55	SW	4	r	*
Holyhead	30·21	61	53	SW	2	c	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·20	60	56	SSW	3	c	4
Scilly	30·19	59	55	NNE	3	b	1
Jersey	30·16	76	64	ESE	2	b	2
Hurst Castle ...	30·18	68	61	SSE	2	bm	1
Dungeness ...	30·19	61	60	ENE	3	bc	2
North Foreland							
London (Westminster)	30·18	71	60	NE	2	bm	*
Yarmouth ...	30·20	60	54	NE	3	b	2
Rochefort ...	30·05	68	71	ESE	2	b	*

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

Weather in morning fine over the greater part of Europe, but dull on our own extreme western and northern coasts. Dull also in many parts of Sweden and northern Russia, with rain at St Petersburg and snow at Archangel. Rain falling also in Algeria with a thunderstorm at Algiers. A little rain falling later in the extreme north and northwest of our Islands, as well as at Flushing and Vichy; no material change occurring elsewhere.

Temperature risen in most parts of Great Britain, changed irregularly elsewhere. Morning readings highest 74° at Nakas, and 72° at Apalo, Trieste, Athens and Sfax; above 65° in most parts of southern Europe and also in the Channel Islands. Lowest 35° at Ulleaborg, 36° at Haparanda & Kuopio, and 37° at Archangel; lowest in our Islands 47° at Sumburgh Head. Rising during day to 70° and upwards over the central and southern parts of England, to 76° in London and to 78° at Jersey. Exceeding 75° also in Germany and exceeding 80° in many parts of France.

Wind light to moderate from the S^ds in Ireland, the west and north of Scotland and the south of Scandinavia, but E^ly in the west of Norway. Light from the N^ds or NE^wds in the south of England and the north of France; calm or variable over the Spanish Peninsula and the south of France. N^ly in Italy, Austria, and the south of Russia. No important change occurring over Western Europe during day.

Barometer highest 30·2 ins: and upwards over the central and southern parts of our Islands and also over Sweden, Finland, the Baltic, eastern and southern Germany, Austria, Switzerland, and northern Italy. Lowest 29·9 ins: and less, in a large shallow depression over the northern and central parts of Russia and also in another disturbance over Morocco; 30·0 ins: and less, in two other systems: — one lying off our own extreme northwest coasts and the other between the Shetlands and the west of Norway. Depression off our northwest coast subsequently moving northwards: Norwegian disturbance passing eastwards across the south of 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.

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 5th June, 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 ...	29.96	38	W	4	c	29.97	-.11	48	40	+ 7	N	4	b	*	c	*	48	34	-
	Hernösand ...	29.93	58	Z	0	c	30.00	-.09	54	45	+ 13	NW	2	0	*	c	*	59	28	-
	Stockholm ...	30.14	48	SSW	2	c	30.05	-.14	59	53	+ 5	SW	4	m	*	c	*	61	37	-
	Wisby	30.18	50	SE	4	b	30.13	.00	52	48	+ 1	W	4	bc	*	b	*	55	41	-
	Karlstad ...	30.08	55	SSW	2	bc	30.11	-.03	51	49	+ 3	SSW	2	0	*	bc	*	*	*	-
	Bodö	29.95	44	N	2	bc	29.93	-.11	48	41	+ 5	ESE	4	b	1	bc	*	48	32	-
	Christiansund ...	30.06	48	NSW	4	f	29.89	-.14	51	46	+ 2	ESE	1	0	3	f	*	52	46	-
	Skudesnaes ...	30.17	52	NW	2	bc	30.11	-.02	52	51	+ 1	SSW	2	0	1	bc	*	58	48	*
	Færder (Christiania Fjord)	30.08	55	SSW	2	m	30.08	-.05	55	52	+ 2	SW	2	bc	2	m	*	57	50	-
	Skagen (The Scaw)	30.14	53	WSW	2	m	30.15	+.04	57	53	+ 3	NNW	5	b	1	m	*	59	50	-
	Fanö	30.25	52	W	2	b	30.28	+.06	55	53	+ 3	W	2	b	*	b	*	61	52	-
	Sumburgh Head	30.05	49	SW	2	op	29.99	-.05	49	49	- 2	NNW	3	r	4	op	*	55	44	0.08
	Stornoway ...	30.03	57	W	4	o	30.08	+.02	55	54	+ 2	WSW	4	o	4	od	0.4	58	48	0.05
	Wick	30.07	60	W	3	c	30.10	.00	58	55	+ 5	NW	4	o	2	c	*	62	51	0.01
	Nairn	30.10	62	W	1	c	30.15	+.06	58	55	0	WSW	3	c	1	c	*	68	54	-
	Aberdeen ...	30.12	66	WSW	3	c	30.14	+.02	66	59	+ 4	S	2	bc	1	c	5.7	71	54	-
	Leith	30.16	65	W	2	bc	30.22	+.07	64	58	0	WSW	3	o	*	bc	*	69	55	-
	Shields	30.19	65	SSW	1	c	30.24	+.05	63	59	+ 3	W	2	b	2	c	*	70	52	-
	Spurn Head ...	30.15	55	SE	3	b	30.25	+.03	60	57	+ 2	W	1	b	2	b	*	62	51	-
	York														*					
	Loughborough ...	30.18	77	WNW	1	b	30.27	+.05	65	59	+ 3	NW	1	bcmw	*	cmbc.b	*	79	46	-
British Isles.	Ardrossan ...																*			
	Malin Head ...	30.16	57	W	4	b	30.26	+.12	54	53	- 2	WNW	2	om	2	c.bc	*	59	53	-
	Belmullet ...	30.25	57	WSW	3	om	30.30	+.11	56	54	- 1	WSW	3	o	*	o.om	*	58	52	0.01
	Donaghadee ...	30.20	60	ESE	1	b	30.29	+.09	58	56	- 1	W	2	bc	2	b	*	67	50	-
	Liverpool (Bidston)	30.23	60	WNW	1	b	30.29	+.06	64	58	+ 2	L	0	b	1	b	*	66	54	-
	Holyhead ...	30.23	58	NW	1	b	30.28	+.06	65	59	+ 2	L	0	b	0	b	*	65	52	-
	Parsonstown ...	30.22	67	NW	1	b	30.31	+.08	60	57	+ 1	NW	1	b	*	c.b	2.2	68	48	-
	Valencia ...	30.25	60	WNW	3	b	30.27	+.03	62	59	+ 4	L	0	b	2	c.b	5.0	63	47	-
	Roche's Point ..	30.25	63	SW	1	b	30.29	+.04	60	57	+ 1	N	1	bc	1	b	*	66	54	-
	Pembroke (St. Ann's Hd.)	30.22	64	N	2	b	30.26	+.03	64	60	+ 3	E	3	b	2	b	15.0	66	55	-
	Scilly	30.18	60	NNE	4	b	30.21	+.04	60	59	+ 2	ESE	2	bc	1	b	13.9	62	53	-
	Prawle Point ...	30.19	64	NE	2	bc	30.26	+.07	67	59	+ 2	NE	3	bc	2	f,bc.l	*	71	58	-
	Jersey (St. Aubin's)	30.17	71	ENE	3	bm	30.25	+.07	74	63	+ 7	ESE	2	bm	2	bc.bm	*	79	59	-
	Hurst Castle ...	30.20	72	SSE	1	bm	30.28	+.06	63	59	- 1	L	0	bcm	1	bm	*	76	54	-
	Dungeness ...	30.20	60	ENE	3	b	30.27	+.05	63	61	+ 2	ENE	2	bc	2	b	*	65	54	-
	North Foreland																*			
	London (Brixton) ...	30.19	74	ENE	2	bc	30.30	+.07	69	57	+ 1	SSE	1	b	*	bc.b	7.8	83	52	-
	Oxford	30.21	71	WSW	1	b	30.28	+.05	64	59	- 1	NW	1	b	*	b	*	80	54	-
	Cambridge ...														*					
	Yarmouth ...	30.23	58	SE	3	b	30.27	+.04	59	56	+ 6	SE	2	b	2	b	*	59	50	-
Germany & Holland.	Cuxhaven ...	30.25	77	WNW	2	b	30.30	+.07	58	55	+ 5	W	1	b	*	b	*	63	52	-
	Berlin	30.24	59	N	3	b	30.29	+.09	62	55	+ 9	SW	2	b	*	b	*	66	53	-
	Wiesbaden ...	*	*	*	*	*	30.28	+.08	64	58	- 3	NE	4	b	*	*	*	75	50	-
	Munich	30.21	68	Z	0	b	30.30	+.06	61	59	- 6	SE	4	b	*	b	*	77	52	-
	The Helder ...	30.25	60	N	1	b	30.30	+.04	66	59	+ 11	L	0	b	0	b	*	66	54	-
Belgium.	Brussels ...	*	*	*	*	*	30.28		65	58		NE	1	b	*	b	*	72	49	-
	Cape Gris Nez ...	30.25	60	E	1	b	30.28	+.07	67	59	+ 3	SSE	1	b	0	b	*	72	54	-
	Paris	30.18	73	NE	3	b	30.24	+.03	59	54	- 5	NNE	1	f	*	b	*	79	52	-
	Brest	30.14	72	ENE	1	b	30.21	+.09	63	59	- 3	N	1	o	0	b	*	79	57	-
	Lorient	30.15	72	Z	0	0	30.19	+.07	62	60	- 2	SE	2	c	1	o	*	82	61	0.04
France &	Rochefort ...	30.08	66	E	3	o	30.10	+.02	64	62	+ 1	SE	3	o	*	o	*	82	59	-
	Belfort	30.07	72	ENE	4	m	30.18	+.03	60	56	- 2	ENE	4	m	*	m	*	?	53	-
	Lyons	30.06	77	NNE	1	bc	30.19	+.01	65	59	+ 2	SSE	1	c	*	bc	*	83	57	-
	Nice	30.13	71	ESE	5	c	30.19	+.07	67	55	- 3	SW	1	o	1	c	*	75	61	-
	Perpignan ...	30.17	63	W	1	o	30.21	+.08	59	58	- 2	L	0	r	*	o	*	77	59	0.12
	Biarritz ...	30.00	73	NNE	2	b	30.03	+.02	64	56	- 4	ESE	2	b	1	b	*	77	59	-
Peninsula.	Corunna ...																*			
	Lisbon	30.09	63	NNW	3	b	30.10	+.04	66	61	+ 1	NE	2	bc	*	b	*	75	59	-
	Azores (P. Delgada)	30.23	63	WSW	3	b	30.19	-.03	61	59	- 5	S	2	o	2	b	*	72	61	0.20

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

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

Bright Sunshine yesterday Southport 14.6 hrs;

WEATHER CHARTS

FOR Monday, 5th June, 1899.

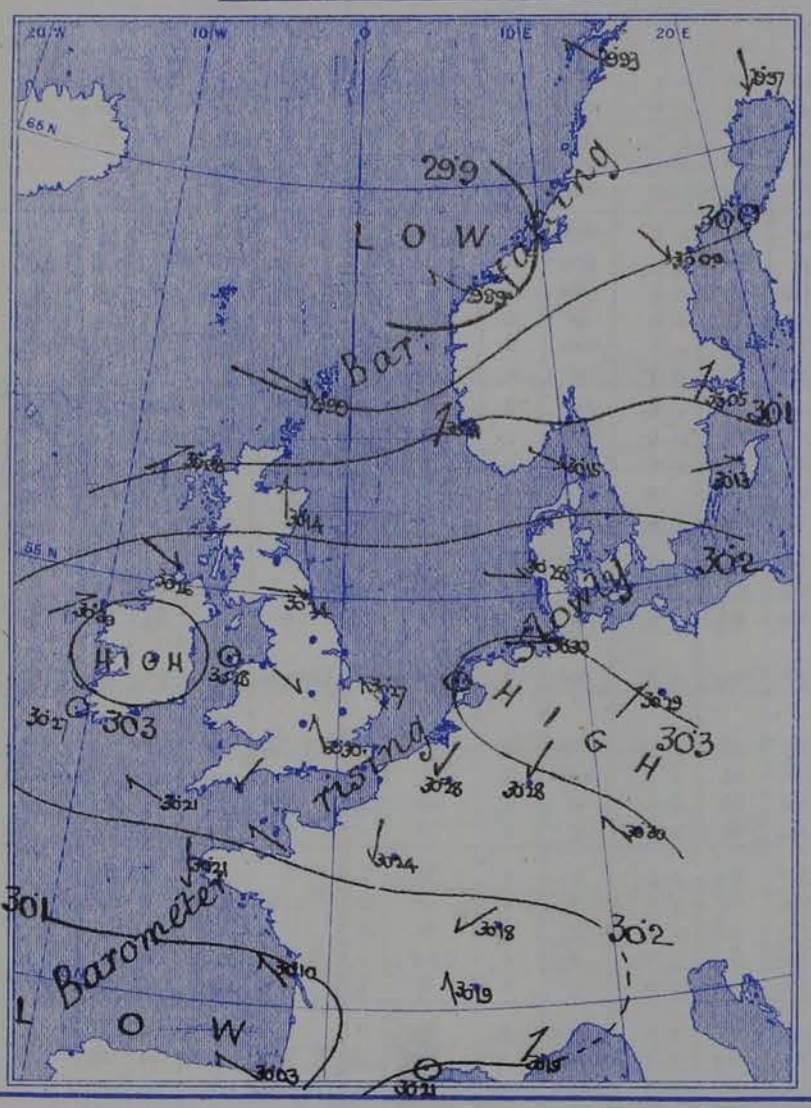
BAROMETER, WIND AND SEA.

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

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

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

SEA—*Rough* ; *High*

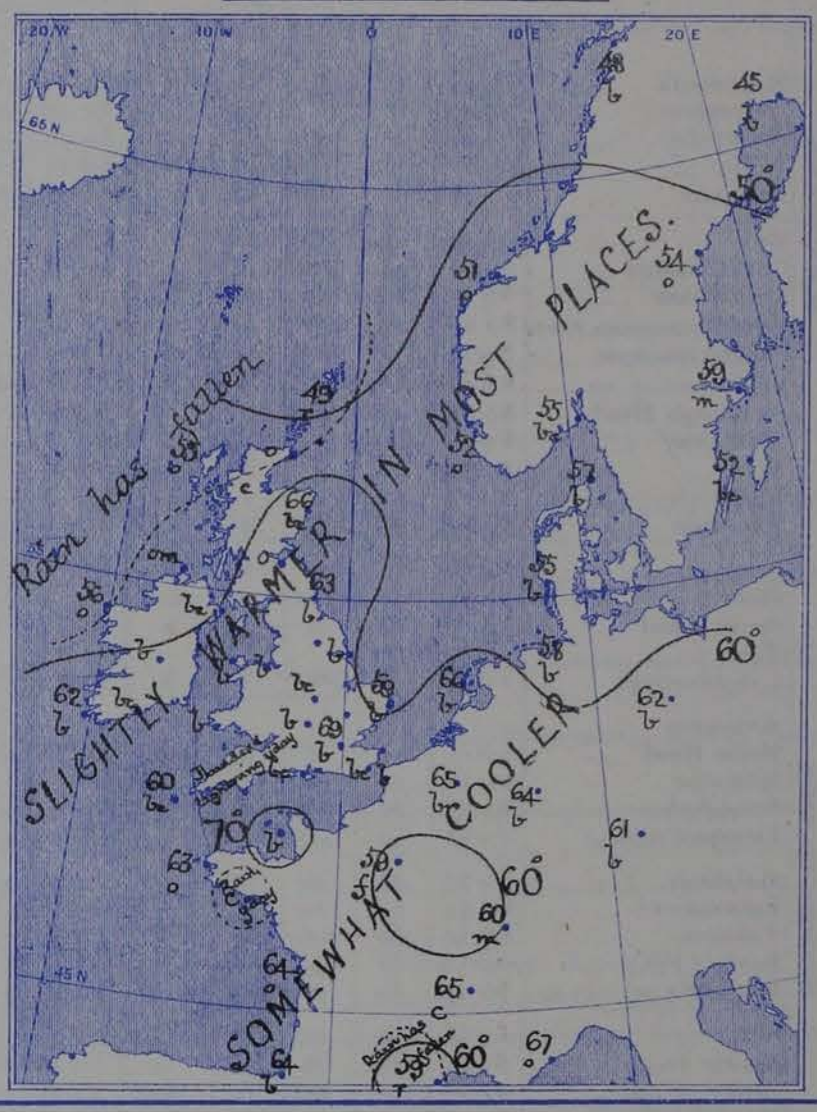


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 · 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85*	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 013	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 · 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 · 0	81	1877, 88	40	1892	1 · 86	—	—

* 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 in: and upwards over Iceland and also over Holland and Germany; 30·1 in: and upwards in an anticyclone covering the greater Western Europe

Lowest, 29·3 in: and less, in a shallow depression off the west of Norway.

Gradients slight. Barometer rising a little at all but the Scandinavian stations.

TEMPERATURE

Highest, (1) 74° at Jersey, 69° in London and 67° at Pointe Pinte, (2) 67° at Nice and 66° at Lisbon; (3) 66° at Aberdeen and 64° at Leith.

Lowest, 45° at Hafsunda, 48° at Bodö, 49° at Edinburgh Hd., 51° at Christiansund and Karlstad, and 52° at Wisby.

During yesterday the thermometer rose to 75° and upwards at our central and southern stations, to 80° at Oxford and to 83° in London.

WIND

Light from the W.ly or SW.ly over the northern parts of our Islands and also in Denmark; moderate to fresh from the SW.ly in the south of Scandinavia; light from the E.ly in the west of Norway.

Light from the E.ly (SE to NE) over France and the south of England.

WEATHER

Fair over Western Europe as a whole, but dull on our own extreme north and northwest coasts, as well as in the west of Norway with rain at Edinburgh Hd.

Dull also at some stations in the west and south of France, with rain at Perpignan.

A little rain fell yesterday in the extreme north and northwest of our Islands. At Pointe Pinte distant thunder was heard, and lightning occurred at night.

SEA

Smooth generally, but moderate off the north of Scotland.

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 6TH JUNE 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W.ly winds, light or moderate; cloudy, slight rain locally.	6 SCOTLAND WEST	Same as Nos 1 and 2
1 SCOTLAND EAST	SW.ly and W.ly winds, light; fine, warm.	7 ENGLAND N.W.	Calms or Variable airs; fine, warm
2 ENGLAND N.E.		8 ENGLAND S.W.	E.ly and NE.ly winds, light; fine, warm.
3 ENGLAND EAST	Variable or E.ly airs; fine, warm.	9 IRELAND NORTH	W.ly winds, light; fair generally.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as No 7.
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30.16	56	53	S SW	2	0	2
Sumburgh Head							
Stornoway	30.04	56	55	W NW	8	0	3
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30.16	58	57	NNW	4	C	2
Belmullet	30.22	58	57	SW	3	0	*
Holyhead							
Valencia							
Scilly							
Jersey	30.18	76	66	C	2	60	2
Hurst Castle ...							
Dungeness ...	30.23	64	62	ENE	3	6	2
North Foreland							
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.08	77	68	E	1	0	*

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 28TH MAY TO THE 3RD JUNE 1899

At the commencement of the week a large anticyclone still covered our Islands and the western parts of the Continent, the weather in those regions being fine and dry with a steadily rising temperature. Over northern Europe the conditions were influenced for a time by a depression with its centre over the Baltic Provinces, the disturbance occasioning rain over Sweden and northern Russia, with a gale from the N.W. in the former region. In the south the weather was affected by a complex disturbance lying over Austria and Italy, where heavy falls of rain occurred in places. On the 29th and 30th these depressions both moved away to the eastward and dispersed.

The anticyclone in the west now began to break up and moved, firstly in a southerly direction, and afterwards in an Easterly direction to the more central parts of the Continent, while a series of depressions skirted our own extreme northwestern and northern coasts and passed on to Scandinavia. These disturbances occasioned a little rain in the districts more immediately affected, but over our Islands and the Continent as a whole the weather remained fine and dry, with very high temperatures over England. At the close of the week a new anticyclone spread over Ireland and England from the westward.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 6th June, 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 ...	30·04	38	NE	2	c	30·01	+ ·04	44	36	— 1	E	2	bc	*	c	*	48	34	—
	Hernösand ...	29·98	41	NW	6	o	29·87	— ·13	46	42	— 8	N	2	bc	*	o	*	61	39	0·08
	Stockholm ...	29·90	61	W	2	o	29·88	— ·17	50	46	— 9	NNW	4	o	*	o	*	68	43	0·04
	Wisby	30·02	54	WNW	4	b	29·91	— ·22	50	48	— 2	WNW	6	o	*	b	*	64	41	0·39
	Karlstad ...	29·91	61	WSW	2	o	29·90	— ·21	56	48	+ 5	WNW	2	b	*	q	*	*	*	—
	Bodö	29·87	45	E	4	r	29·93	·00	46	40	— 2	E	4	bc	1	r	*	50	41	—
	Christiansund ...	29·93	48	WSW	5	o	29·97	+ ·08	47	44	— 4	WNW	4	c	3	o	*	51	45	0·35
	Skudesnaes ...	30·12	52	WSW	4	r	30·06	— ·05	51	49	— 1	WNW	4	r	1	r	*	54	48	*
	Færder (Christiania Fjord)	29·97	56	WSW	4	o	29·95	— ·13	54	50	— 1	NNW	1	o	2	o	*	57	52	—
	Skagen (The Scaw)	30·11	54	W	6	m	30·05	— ·10	54	53	— 3	WNW	5	o	1	m	*	63	52	0·20
	Fanö	30·26	55	W	2	b	30·19	— ·09	57	54	+ 2	W	4	c	*	b	*	64	54	—
	Sumburgh Head	30·03	50	W	2	f	30·06	+ ·07	48	48	— 1	NE	2	r	4	r.f	*	57	47	0·45
	Stornoway ...	30·14	55	W	5	d	30·20	+ ·12	54	53	— 1	W	5	o	5	o.d	0·0	56	51	0·03
	Wick	30·14	58	NW	4	o	30·15	+ ·05	57	55	— 1	NW	4	op	3	o	*	62	53	0·01
	Nairn	30·19	60	W	3	c	30·22	+ ·07	58	55	0	SW	3	o	1	c	*	63	53	—
	Aberdeen ...	30·18	65	WNW	2	bc	30·21	+ ·07	63	55	— 3	W	3	c	1	bc	9·3	72	55	—
BRITISH ISLANDS.	Leith	30·24	66	W	3	o	30·27	+ ·05	62	56	— 2	WSW	3	c	*	o	*	71	53	—
	Shields	30·24	72	SW	2	bc	30·27	+ ·03	65	61	+ 2	WSW	3	bcm	2	b, bc	*	74	55	—
	Spurn Head ...	30·25	57	ESE	2	b	30·31	+ ·06	66	60	+ 6	N	1	b	1	b	*	67	54	—
	York														*					
	Loughborough ...	30·25	77	W	2	b	30·32	+ ·05	64	59	— 1	2	0	bmw	*	b, bc, bm	*	81	50	—
	Ardrossan ...																*			
	Malin Head ...	30·29	57	W	3	bc	30·31	+ ·05	52	52	— 2	E	1	f	1	bc	*	59	51	—
	Belmullet ...	30·31	60	W	1	b	30·31	+ ·01	63	60	+ 7	E	1	b	*	b	*	63	50	—
	Donaghadee ...	30·28	65	NNE	2	b	30·31	+ ·02	56	54	— 2	NNE	2	b	2	b	*	66	50	—
	Liverpool (Bidston)	30·31	66	NW	1	b	30·34	+ ·05	65	59	+ 1	2	0	b	1	b	*	69	57	—
	Holyhead ...	30·30	60	NW	1	b	30·32	+ ·04	66	60	+ 1	NW	1	b	1	b	*	66	55	—
	Parsonstown ...	30·25	?68	SE	1	b	30·32	+ ·01	68	59	+ 8	S	1	b	*	b	13·0	77	55	—
	Valencia ...	30·26	65	WNW	1	b	30·30	+ ·03	65	60	+ 3	2	0	bcm	3	bm	15·3	72	49	—
	Roche's Point ..	30·30	63	SE	2	b	30·31	+ ·02	62	58	+ 2	N	1	b	1	b	*	68	52	—
	Pembroke (St. Ann's Hd.)	30·27	74	2	0	b	30·30	+ ·04	66	63	+ 2	E	2	bm	0	b	14·3	74	57	—
	Scilly	30·25	63	E	2	bc	30·25	+ ·04	65	60	+ 5	NNE	1	bc	0	c, bc	9·5	69	59	—
	Prawle Point ...	30·27	70	ENE	1	b	30·28	+ ·02	69	60	+ 2	ENE	3	b	2	b	*	72	60	—
	Jersey (St. Aubin's)	30·24	71	NE	4	bm	30·26	+ ·01	67	62	— 7	ENE	3	cm	3	bm	*	78	60	—
	Hurst Castle ...	30·27	64	WSW	1	bc	30·29	+ ·01	65	61	+ 2	E	1	bm	1	bcm	*	76	56	—
	Dungeness ...	30·25	63	ENE	3	bc	30·27	·00	63	61	0	ENE	2	b	1	bc	*	74	50	—
	North Foreland																*			
	London (Brixton) ...	30·25	78	NW	1	c	30·28	— ·02	69	62	0	S	1	m	*	bm, c, b	7·7	83	54	—
	Oxford	30·27	69	NNE	1	b	30·31	+ ·03	67	62	+ 3	NE	1	b	*	b	*	82	54	—
	Cambridge ...														*					
	Yarmouth ...	30·25	64	SSE	2	b	30·28	+ ·01	61	57	+ 2	W	1	b	0	b	*	65	55	—
GERMANY & HOLLAND.	Cuxhaven ...	30·29	63	NW	1	b	30·24	— ·06	59	57	+ 1	WNW	3	bc	*	b	*	66	54	—
	Berlin														*		*			
	Wiesbaden ...	*	*	*	*	*	30·29	+ ·01	65	60	+ 1	E	1	b	*	*	*	77	55	—
	Munich	30·30	66	NE	2	bc	30·36	+ ·06	64	60	+ 3	SE	2	b	*	bc	*	75	50	—
	The Helder ...	30·26	64	2	0	b	30·28	— ·02	64	58	— 2	2	0	b	0	b	*	72	54	—
BELGIUM.	Brussels ...	*	*	*	*	*	30·29	+ ·01	71	64	+ 6	ENE	1	b	*	b	*	77	55	—
	Cape Gris Nez ...	30·26	62	E	2	b	30·28	·00	60	56	— 7	E	2	m	1	b	*	70	54	—
	Paris	30·20	78	NE	2	b	30·25	+ ·01	66	60	+ 7	NE	1	m	*	b	*	81	59	—
	Brest	30·21	69	NW	1	o	30·21	·00	66	60	+ 3	ENE	1	c	1	o	*	81	59	—
	Lorient	30·19	68	2	0	o	30·21	+ ·02	65	64	+ 3	E	2	c	1	o	*	79	61	—
FRANCE &	Rochefort ...	30·10	72	NE	2	o	30·14	+ ·04	66	63	+ 2	ESE	3	b	*	o	*	75	59	—
	Belfort	30·14	72	ENE	5	m	30·13	+ ·05	69	63	+ 9	2	0	m	*	m	*	81	57	—
	Lyons ...														*		*			
	Nice	30·18	75	SW	2	bc	30·24	+ ·05	74	57	+ 7	E	1	bc	1	bc	*	81	64	—
	Perpignan ...	30·22	66	SE	2	o	30·26	+ ·05	65	62	+ 6	W	2	b	*	o	*	75	55	—
	Biarritz ...	30·03	69	NE	2	b	30·10	+ ·07	69	64	+ 5	2	0	bc	1	b	*	75	61	—
PENINSULA.	Corunna ...																*			
	Lisbon	30·11	69	NW	3	b	30·13	+ ·03	69	62	+ 3	N	2	b	*	b	*	77	61	—
	Azores (P. Delgada)	30·18	65	WNW	2	bc	30·20	+ ·01	66	61	+ 5	WSW	2	o	1	bc	*	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 now recorded on the tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 15·1 hrs;

WEATHER CHARTS

FOR Tuesday, 6th June, 1899.

BAROMETER, WIND AND SEA.

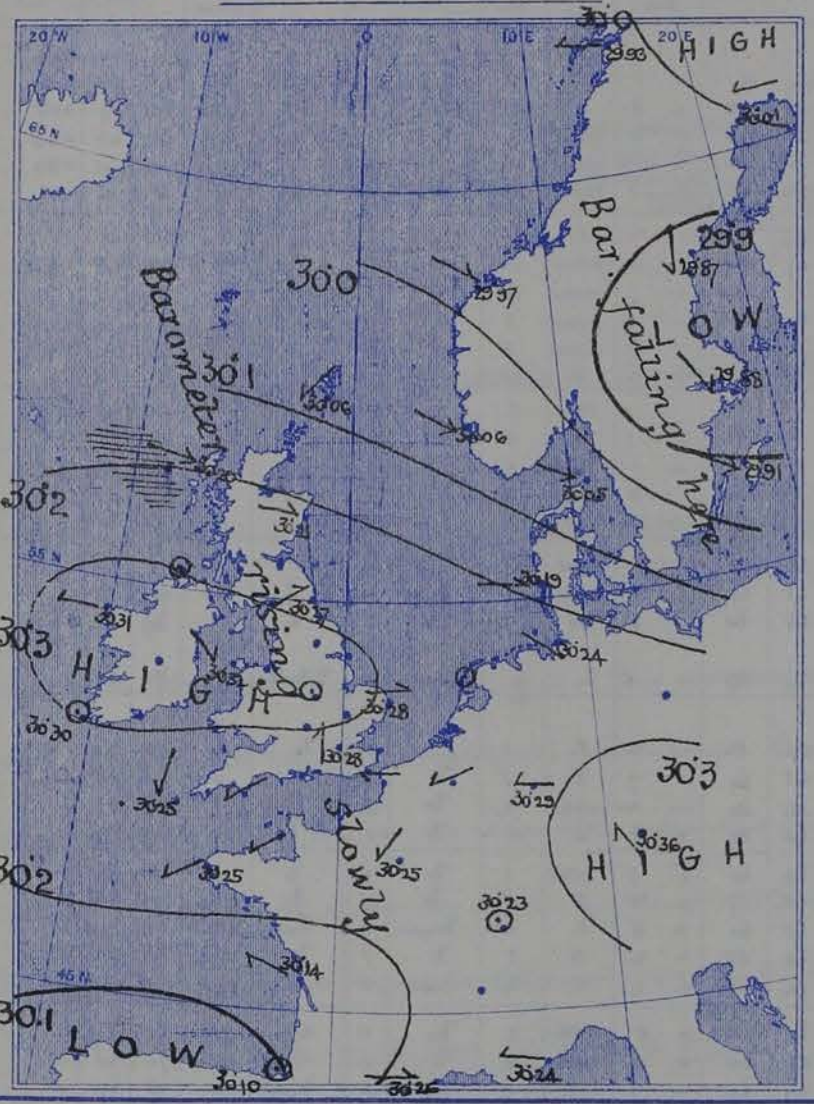
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

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

SEA—Rough ▤ ; *High* ▬

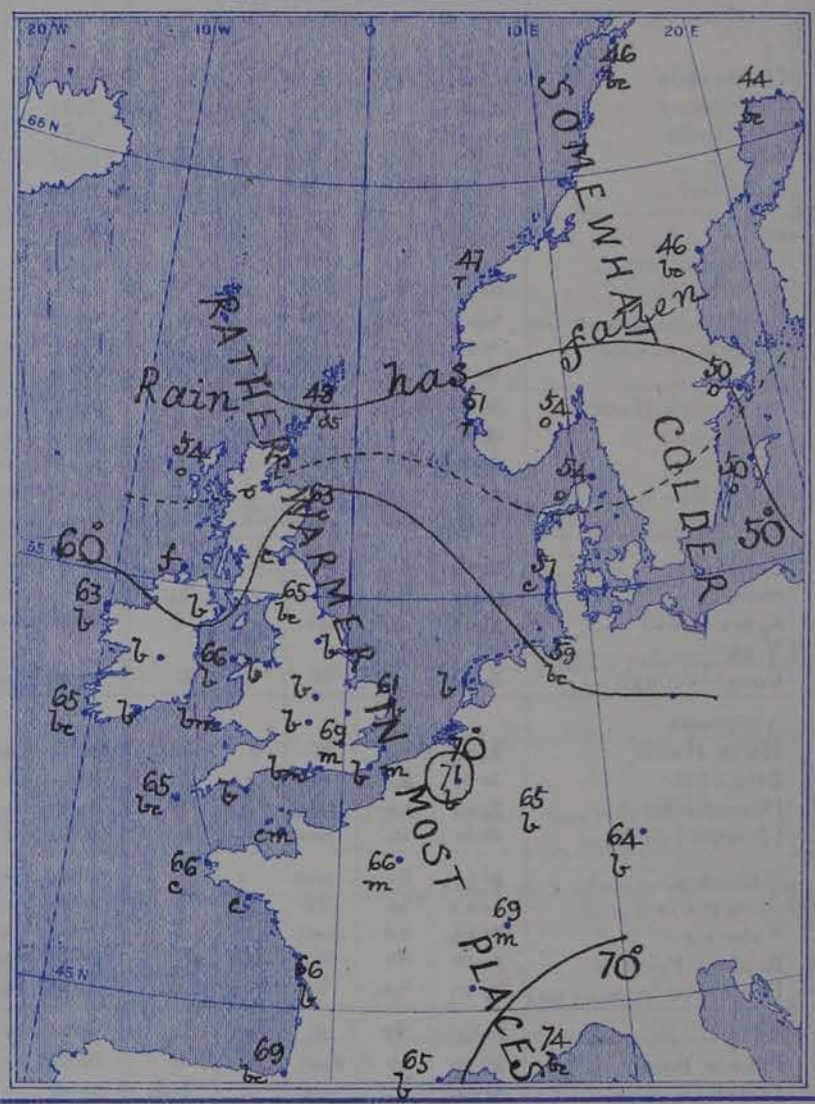


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in vast 24 hours when exceeding half an inch is shown thus—0·6.



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

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	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62 3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·013	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52 0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	187·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51 0	81	1877, 88	40	1892	1·86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 ins. and upwards over Ireland, Wales and the N.rn and central parts of England and also over S. Germany; 30.1 ins. and upwards in an anticyclone embracing nearly the whole of W. central & Eur.

Lowest 29.9 ins. and less in a large shallow depression lying over the central parts of Sweden and the neighbouring parts of the Baltic and Gulf of Bothnia.

Gradients slight. Barometer rising slightly in our Islands and France, and also in the W. of Norway; falling in Sweden, Denmark and N. Germany.

TEMPERATURE

Highest 74° at Nice, 71° at Brussels, 69° in London and at Prawle Pt., Belfort, Biarritz and Lisbon, and 68° at Parsonstown.

Lowest 44° at Haparanda, 46° at Bodo and Hernösand, 47° at Christiansund, 48° at Sumburgh Hd., & 50° at Stockholm and Wisby.

During yesterday the thermometer rose to 70° and upwards in most parts of the United Kingdom, to 80° and upwards over the central parts of England, and to 83° in London.

WIND

Light from the E.rly or NE.rly over the south of England and the greater part of France, but calm or variable in the extreme south of France.

Variable over Ireland, Wales and central England; light from the SW.rly on our northeast coasts; moderate to fresh from the W.rly or NW.rly over the north of Scotland, and also in Scandinavia & Denmark.

WEATHER

Fine over W.rn Europe as a whole, but hazy in places.

Dull in the N. of Scotland, as well as in many parts of Denmark and the S. of Scandinavia, with rain at Sumburgh Hd. and Skudenaes, and passing showers at Wick.

Rain fell yesterday at our extreme N.rn and at many of the Scandinavian and Danish stations, rather heavily at Sumburgh Hd. A Solar halo was seen at Jersey.

SEA

Smooth on nearly all coasts, but rather rough at Stornoway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone appears to be increasing again in intensity, and fine warm weather is likely to continue for a time in most districts.

FORECASTS

For the 24 hours ending at NOON on 7TH JUNE. 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W.ly winds, moderate; cloudy, rain locally.
1	SCOTLAND EAST	Light breezes, chiefly W.ly; fair generally.
2	ENGLAND N.E.	
3	ENGLAND EAST	Light breezes chiefly E.ly or NE.ly; fine and warm, but hazy in places.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 1 and 2.
7	ENGLAND N.W.	Light variable airs; fine, warm.
8	ENGLAND S.W.	E.ly and NE.ly winds, light; fine, warm.
9	IRELAND NORTH	Same as No. 7.
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·14	54	53	NW	2	r	2	Valencia	30·25	67	63	WNW	1	bm	3
Sumburgh Head	30·03	50	50	W	2	r	3	Scilly	30·24	68	62	ESE	2	c	1
Stornoway	30·13	56	55	W	5	o	5	Jersey	30·25	77	64	NE	4	bc	3
Aberdeen	30·16	69	60	E	2	bc	1	Hurst Castle ...	30·27	72	64	SSE	2	bcm	1
Shields	30·24	73	63	SW	2	b	2	Dungeness ...	30·27	71	65	ENE	2	bc	2
Ardrossan								North Foreland							
Malin Head ...	30·26	58	56	WNW	3	b	2	London (Westminster)	30·25	81	63	ESE	1	bm	
Belmullet	30·31	61	57	W	1	b	*	Yarmouth ...	30·26	62	59	SSE	4	b	3 *
Holyhead	30·31	64	59	NW	1	b	1	Rochefort ...	30·12	70	66	NE	3	o	*

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

Weather in morning fine over the greater part of our Islands and the Continent, but dull on our eastern N. and NW. coasts, as well as in the W. of Norway, with rain at Sumburgh Hd. Rain falling also at Perpignan, Barcelona and Patras, as well as at Kiev and Archangel. No important change occurring over W^rn Europe during day, but rain falling at some of the Scandinavian stations.

Temperature risen in most countries, but fallen in France and Germany. Morning readings highest (1) 77° at Brindisi, and 75° at Palma and Patras; (2) 74° at Jersey, and 69° in London; above 60° in most parts of Gt. Britain. Lowest 36° at Archangel, 45° at Haparanda, 47° at Uleaborg, and 48° at Bodö. Rising during day to 75° and upwards over central Ireland, to 80° and upwards in several parts of England and France, and to 83° in London.

Wind light from the E^rn. (SE to NE) in the south of England, and also over France, Spain and W^rn Germany. Light to moderate from the W^rn. or SW^rn. in the north of our Islands, and also over Denmark, the southern parts of Scandinavia and northern Russia; E^ly or SE^ly in the west of Norway. NW^ly over Austria and eastern Germany, and N^ly in Greece, but variable in Italy and also in the south of Russia. No important change occurring later.

Barometer highest 30.2 ins. to 30.3 ins. and upwards in an anticyclone embracing a considerable portion of W^rn, central and S^rn Europe, and also in another system over central Russia. Lowest 29.9 ins. and less in two shallow depressions, one lying over Lapland, and the other off the W. of Norway. 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

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DAILY WEATHER REPORT

for 8 a.m on **Wednesday, 7th June,** **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 ...	29.99	46	E	2	b	30.04	+.03	51	41	+7	SW	0	b	*	b	*	54	34	-
	Hernösand ...	29.93	44	NE	6	r	30.05	+.18	48	41	+2	NW	6	b	*	r	*	52	37	0.08
	Stockholm ...	29.78	49	N	6	0	29.93	+.05	41	39	-9	N	8	0	*	0	*	61	?	-
	Wisby	29.73	46	E	4	r	29.88	-.03	42	40	-8	N	8	0	*	r	*	53	43	0.39
	Karlstad ...	29.93	50	NE	2	b	30.10	+.20	48	42	-8	NNE	6	bc	*	b	*	*	*	-
	Bodö	30.10	46	E	4	b	30.25	+.32	43	39	-3	N	4	b	1	b	*	52	39	-
	Christiansund ...	30.16	45	NNE	3	r	30.36	+.39	46	43	-1	ENE	3	o	3	r	*	48	43	0.20
	Skudesnaes ...	30.16	50	NNW	4	b	30.25	+.19	50	45	-1	NNW	6	b	2	c.b	*	54	45	*
	Færder (Christiania Fjord)	29.97	55	NNE	2	b	30.16	+.21	54	44	0	NNE	6	b	3	b	*	57	50	-
	Skagen (The Scaw)	30.01	54	NE	2	b	30.15	+.10	53	46	-1	NE	4	b	1	b	*	61	50	-
	Fanö	30.12	52	N	6	o	30.18	-.01	53	49	-4	NNE	4	bc	*	o	*	59	50	-
	Sumburgh Head	30.25	48	NE	1	c	30.42	+.36	47	44	-1	NNE	1	o	3	o.c	*	50	41	0.06
	Stornoway ...	30.30	55	WNW	4	o	30.41	+.21	54	53	0	WNW	3	o	3	o	0.0	56	50	-
	Wick	30.24	51	NW	3	r	30.42	+.27	51	50	-6	E	2	o	2	a	*	58	46	0.20
	Nairn	30.29	60	NNW	4	c	30.40	+.18	56	54	-2	SW	0	r	0	c	*	66	51	0.10
	Aberdeen ...	30.26	64	NW	3	c	30.42	+.21	50	49	-13	E	2	o a f.	2	c q. c	0.9	69	49	0.03
British Islands.	Leith	30.25	72	W	1	o	30.39	+.12	59	55	-3	WNW	3	bc	*	o	*	77	52	-
	Shields	30.27	66	NE	1	bc	30.36	+.09	58	55	-7	N	2	c.	2	b.bc	*	78	51	-
	Spurn Head ...	30.26	61	SSE	2	b	30.35	+.04	61	58	-5	NE	2	b	2	b	*	70	53	-
	York														*					
	Loughborough ...	30.24	81	ESE	1	b	30.33	+.01	67	60	+3	N	2	bmw	*	bc.c.bm	*	83	52	-
	Ardrossan ...																*			
	Malin Head ...	30.33	52	E	3	f	30.43	+.12	50	50	-2	E	3	f	1	f	*	53	44	0.02
	Belmullet ...	30.33	65	ENE	2	b	30.41	+.10	66	62	+3	E	1	b	*	f	*	68	58	-
	Donaghadee ...	30.34	61	NE	1	b	30.41	+.10	53	51	-3	NE	3	bm	3	b	*	65	49	-
	Liverpool (Bidston)	30.31	67	WNW	1	b	30.36	+.02	62	58	-3	WNW	1	b	1	b	*	71	57	-
	Holyhead ...	30.31	65	NE	1	b	30.36	+.04	61	57	-5	N	2	bc	1	b	*	69	55	-
	Parsonstown ...	30.33	65	W	1	o	30.40	+.08	65	61	-3	NW	1	b	*	c.bt	9.6	82	53	-
	Valencia ...	30.31	67	NE	1	bm	30.37	+.07	64	60	-1	SW	0	bcm	1	c.bm	6.2	72	56	-
	Roche's Point ..	30.32	66	SE	1	b	30.37	+.06	67	63	+5	N	1	b	1	b	*	67	59	-
	Pembroke (St. Ann's Hd.)	30.28	72	NW	3	b	30.31	+.01	69	65	+3	NE	2	b	0	b	IHW	75	62	-
	Scilly	30.23	66	NNE	2	bc	30.24	-.01	66	61	+1	NE	3	bc	0	bc	6.7	71	60	-
	Prawle Point ...	30.25	72	ENE	1	bc	30.27	-.01	70	63	+1	ENE	3	bc	2	bc	*	76	63	-
	Jersey (St. Aubin's)	30.21	74	NE	4	bm	30.24	-.02	70	63	+3	NE	3	bm	3	bc.bm	*	78	65	-
	Hurst Castle ...	30.24	68	SW	0	bm	30.29	.00	66	61	+1	NE	1	bm	0	bm	*	76	57	-
	Dungeness ...	30.22	64	ENE	4	b	30.29	+.02	63	61	0	NE	3	b	2	b	*	71	57	-
	North Foreland														*					
	London (Brixton) ...	30.25	77	SE	1	b	30.31	+.03	69	60	0	SE	2	b	*	m.bm	5.5	83	54	-
	Oxford	30.25	71	NNE	1	bc	30.32	+.01	66	60	-1	NNE	1	bm	*	bcm	*	80	58	-
	Cambridge ...														*					
	Yarmouth ...	30.28	64	NNE	1	b	30.32	+.04	62	57	+1	NNE	1	b	1	b	*	65	55	-
Germany & Holland.	Cuxhaven ...	30.18	59	W	4	c	30.19	-.05	53	50	-6	NW	3	bc	*	c	*	64	52	-
	Berlin	30.06	71	WNW	4	c	30.13		58	53		NW	4	c	*	c	*	79	57	0.04
	Wiesbaden ...	*	*	*	*	*	30.24	-.06	67	59	+2	NW	2	b	*	*	*	82	57	-
	Munich... ..	30.26	68	SW	0	b	30.27	-.09	68	61	+4	W	4	b	*	b	*	79	57	-
	The Helder ...	30.26	61	WNW	1	b	30.29	+.01	57	54	-7	NNW	2	c	1	b	*	64	55	-
Belgium.	Brussels ...	*	*	*	*	*	30.31	+.02	65	57	-6	NNE	1	b	*	b	*	83	55	-
	Cape Gris Nez.	30.24	65	E	3	b	30.32	+.04	63	58	+3	ESE	3	b	2	b	*	68	55	-
	Paris	30.21	71	S	1	b	30.24	-.01	66	62	0	NE	2	b	*	t.b	*	86	57	0.04
	Brest	30.18	74	NE	2	t	30.19	-.02	64	60	-2	NE	1	b	0	t	*	82	59	-
	Lorient... ...	30.18	71	E	1	c	30.19	-.02	64	62	-1	ENE	1	b	0	c	*	82	61	-
France &	Rochefort ...	30.12	72	NW	2	b	30.12	-.02	66	63	0	SE	1	b	*	b	*	88	59	-
	Belfort	30.15	76	W	0	m	30.19	-.04	66	63	-3	NE	1	m	*	bc	*	83	56	-
	Lyons ...														*		*			
	Nice	30.22	73	SW	2	b	30.17	-.07	72	59	-2	W	0	b	0	b	*	81	63	-
	Perpignan ...	30.20	72	S	1	c	30.21	-.05	69	64	+4	W	1	b	*	c	*	80	57	-
	Biarritz ...	30.10	81	E	3	c	30.12	+.02	68	64	-1	SW	2	b	0	c.tl	*	81	63	-
Peninsula.	Corunna ...														*					
	Lisbon														*					
	Azores (P. Delgada)	30.28	65	WNW	2	b	30.29	+.09	65	63	-1	WNW	1	c	2	b	*	72	61	-

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

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

Bright Sunshine yesterday Southport 15.2 hrs;

WEATHER CHARTS

FOR Wednesday, 7th June, 1899.

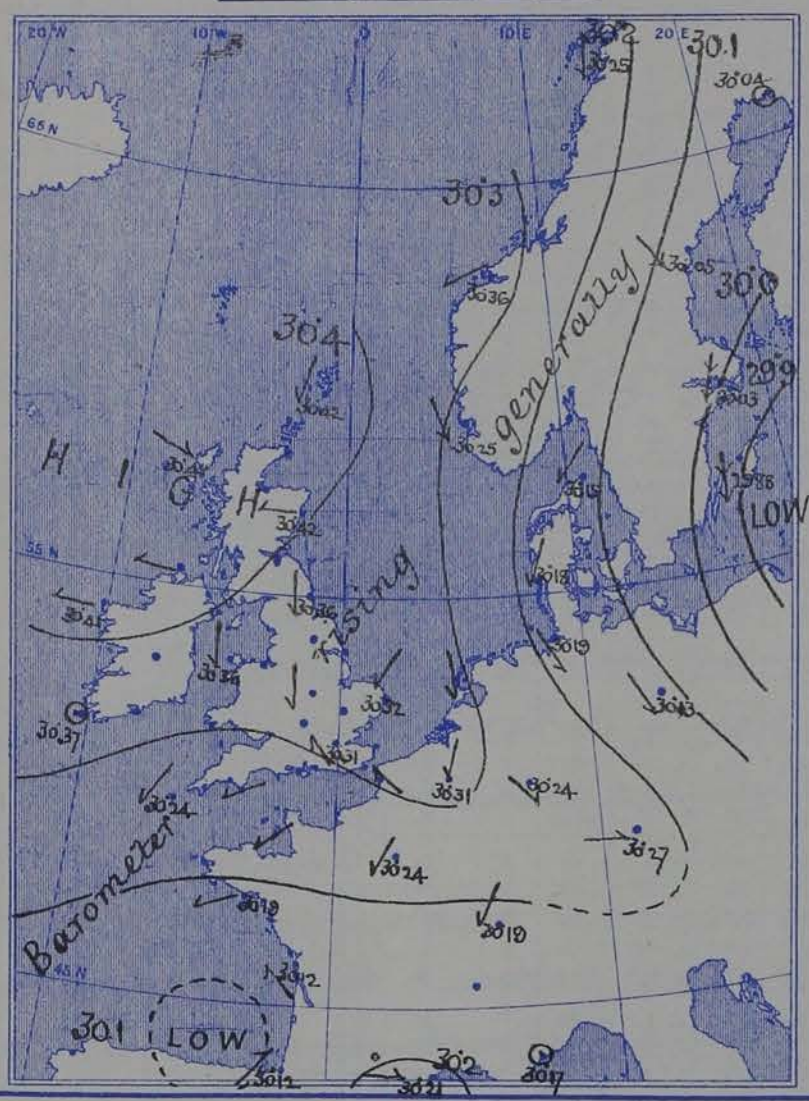
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ≋ ; High ▬

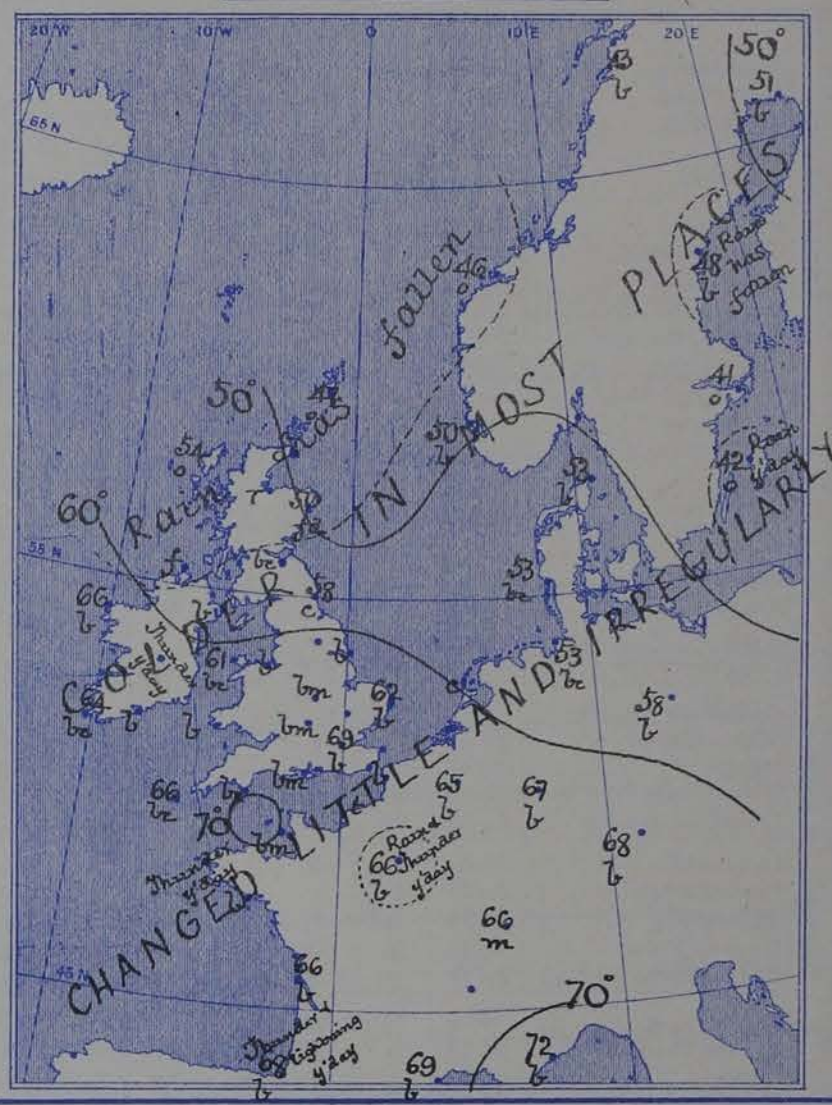


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—{A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

* 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 Scotland and the north of Ireland; 30·2 in: and upwards in an anticyclone covering nearly the whole of Northwestern Europe.
Lowest, 29·9 in: and less, over the northern parts of the Baltic.
Gradients slight generally, but moderate over Sweden.
Barometer rising generally.

TEMPERATURE

Highest, 72° at Nice, 70° at Prawle Point and Jersey, and 69° in London and at Pembroke and Perpignan.
Lowest, 41° at Stockholm, 42° at Wisby, 43° at Skudesnäs, 47° at Lumbugh Head and 48° at Haparanda and Karlstad.
During yesterday the thermometer rose to 80° and upwards over the central parts of Ireland and England, and to 83° in London and at Loughton.

WIND

Light from the E.ly or N.E.ly over the greater part of England, Ireland, and France, but variable in Scotland and also in the south of France.
N. in Scandinavia and Denmark, with a gale in the south of Sweden; light to moderate from the N.W. or W. in Germany.

WEATHER

Fair over Western Europe as a whole, but dull in the north of Scotland, with rain at Nairn and fog and drizzle at Aberdeen.
A dense wet fog is also reported at Malin Head.
Since yesterday morning rain has fallen on our own extreme north and northwest coasts, as well as at some of the Scandinavian stations. Thunder was heard yesterday at Parsonstown and thunderstorms (or thunder only) occurred in several parts of France.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over Western Europe has been reinforced by a new system which has spread from the Atlantic over our north and northwest coasts. Fair dry weather is likely to continue in most districts, but in the eastern parts of Great Britain some increase of cloud is probable, with lower temperatures than of late.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Light Variable airs; cloudy, rain locally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N.E.ly winds, light; cool, cloudy, probably some rain.
3	ENGLAND EAST	N.E.ly winds, light; fine and warm at first, cloudy later and cooler.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	Light breezes, chiefly N.E.ly; fair generally.
8	ENGLAND S.W.	N.E.ly winds, light; fine generally.
9	IRELAND NORTH	Same as No 7.
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry	THER. Wet	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·08	54	50	NNW	6	c	2
Sumburgh Head	30·18	49	49	NE	2	0	4
Stornoway	30·27	56	55	WNW	5	0	5
Aberdeen	30·23	67	58	NW	5	cq	2
Shields	30·25	68	60	NE	2	b	1
Ardrossan							
Malin Head ...	30·33	53	53	E	3	f	1
Belmullet	30·54	66	62	N	1	b	*
Holyhead ...	30·33	69	62	N	1	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·33	66	60	S	2	c	3
Scilly	30·25	69	62	ENE	1	bc	0
Jersey	30·24	75	66	ENE	4	bc	3
Hurst Castle ...	30·27	72	64	WSW	2	b	1
Dungeness ...	30·25	69	65	ENE	3	b	2
North Foreland							
London (Westminster)	30·25	81	66	Z	0	bm	*
Yarmouth ...	30·29	64	58	ENE	1	b	1
Rochefort ...	30·12	83	72	SW	2	b	*

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

Weather in morning fine over the greater part of our Islands and the Continent, but with haze at many of the English and French stations. Dull in the north of Scotland, as well as over Denmark, the south of Scandinavia and the greater part of Russia; rain falling at Sumburgh Head, Skudesnaes, and also over the Gulf of Finland and at Moscow. Rain occurring later in the extreme north and northwest of our Islands generally, as well as at several of the Scandinavian stations, thunder heard at Parsontown, and thunderstorms occurring in many parts of France

Temperature risen generally, but fallen in the north and east of Scotland and also in Scandinavia. Morning readings highest 77° at Toulon and Trieste, 76° at Brindisi and Akyab, and 75° at Lyhorn; above 65° in many part of Ireland and England. Lowest 35° at Archangel, 40° at Kuopio, and 44° at Haparanda. Rising during day to 80° and upwards over the central parts of Ireland and England and also over the greater part of France; reaching 83° in London and at Brussels, and 86° at Paris.

Wind light from the E^ly or NE^ly over the south of England and the greater part of France, but calm or variable in the extreme south of France. Variable over the more central parts of the United Kingdom, light from the W^ly or SW^ly in the north of Scotland. Moderate to strong from the W^ly or NW^ly over Denmark, Germany and the south of Scandinavia; E^ly in the northern parts of Russia and Scandinavia. Variable in Germany and Austria, NW^ly over the Adriatic and Greece. Subsequently veering to the NW^ly in Scotland, and to the N^ly in Denmark and the south of Scandinavia.

Barometer highest 30·1 in: to 30·3 in: or a little more in an anticyclone covering all but the northern and extreme southwestern parts of Europe. Lowest 29·8 in: and less, in a well marked depression with its centre over the south of the Gulf of Bothnia. Depression subsequently moving southeastward, barometer rising in nearly all parts of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 8th June, 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 ...	30·07	47	N	6	b	30·06	+·02	44	37	−7	N	4	c	#	b	#	59	41	-
	Hernösand ...	30·12	54	N	2	b	30·20	+·15	47	38	−1	NW	6	b	#	b	#	61	36	-
	Stockholm ...	30·06	50	NW	4	b	30·14	+·21	50	42	+9	N	8	b	#	b	#	54	37	-
	Wisby	30·02	45	NNW	6	b	30·13	+·25	45	42	+3	N	4	b	#	b	#	46	39	-
	Karlstad ...	30·16	56	NNW	2	b	30·26	+·16	48	41	0	N	4	b	#	b	#	#	#	-
	Bodö	30·34	41	NNW	6	c	30·34	+·09	41	38	−2	NW	4	b	2	c	#	45	37	-
	Christiansund ...	30·45	45	NE	3	0	30·45	+·09	45	41	−1	NE	2	c	3	0	#	46	43	-
	Skudesnaes ...	30·30	49	NNW	8	b	30·32	+·07	49	46	−1	NNW	6	b	2	b	#	?	45	+
	Færder (Christiania Fjord)	30·20	55	WSW	5	b	30·32	+·16	51	43	−3	NNE	4	b	2	b	#	55	48	-
	Skagen (The Scaw)	30·25	53	NW	2	b	30·31	+·16	51	46	−2	NE	2	b	0	b	#	63	50	-
	Fanö	30·29	50	NE	2	b	30·36	+·18	52	49	−1	NE	2	b	#	b	#	64	41	-
	Sumburgh Head	30·47	49	NE	1	c	30·49	+·07	49	47	+2	NW	1	0	3	c	#	50	41	-
	Stornoway ...	30·44	57	N	1	0	30·49	+·08	57	54	+3	2	0	cf	0	0	0·2	58	46	-
	Wick	30·48	54	E	2	bc	30·51	+·09	52	48	+1	E	2	b	1	bc	#	58	35	-
	Nairn	30·47	51	E	1	0	30·52	+·12	54	50	−2	E	1	b	1	0	#	58	42	-
	Aberdeen ...	30·48	50	ENE	2	c	30·53	+·11	53	48	+3	ENE	2	bc	1	0,c	0·0	55	41	-
British Isles	Leith	30·45	58	E	2	0	30·52	+·13	53	49	−6	E	2	c	#	0	#	64	49	-
	Shields	30·43	53	NE	2	0	30·49	+·13	50	46	−8	NE	3	0	3	0	#	58	48	-
	Spurn Head ...	30·39	55	NE	4	c	30·47	+·12	51	46	−10	NNE	4	0	3	c.0	#	63	49	-
	York														#					
	Loughborough ...	30·35	65	NE	3	bc	30·48	+·15	52	47	−15	E	2	0	#	b,bc.0	#	74	50	-
	Ardrossan ...																#			
	Malin Head ...	30·43	52	N	2	f	30·47	+·04	53	53	+3	SSW	2	f	2	f	#	55	?	-
	Belmullet ...	30·41	67	NE	3	bc	30·47	+·06	60	58	−6	ENE	1	b	#	c.bc	#	73	50	-
	Donaghadee ...	30·39	58	NNE	3	b	?30·49	+·02	55	53	+2	E	3	bc	2	b	#	60	49	-
	Liverpool (Bidston)	30·34	64	WNW	1	c	30·47	+·11	55	50	−7	E	2	0	?	c.0	#	66	52	-
	Holyhead ...	30·35	58	N	1	bc	30·43	+·07	57	55	−4	NE	4	om	3	b.bc	#	63	54	-
	Parsonstown ...	30·34	75	W	1	0	30·43	+·03	56	55	−9	E	1	0	#	b.0	12·0	78	49	-
	Valencia ...	30·36	65	E	4	p	30·40	+·03	60	63	+5	2	0	bm	1	cm,tbr	7·8	79	53	0·18
	Roche's Point ..	30·36	68	SE	1	b	30·43	+·06	65	61	−2	SE	3	b	3	b	#	73	66	-
	Pembroke (St. Ann's Hd.)	30·29	68	NE	3	b	30·40	+·09	60	59	−9	SE	3	bm	2	b	1·45	75	?56	-
	Scilly	30·26	63	NNE	3	b	30·30	+·06	59	57	−7	E	5	cm	2	b	11·6	70	60	-
	Prawle Point ..	30·25	66	ENE	3	b	30·38	+·11	54	52	−16	ENE	4	0q	3	b	#	75	53	-
	Jersey (St. Aubin's)	30·18	70	NE	4	cm	30·33	+·09	58	54	−12	ENE	5	cm	3	bc.c,l	#	78	54	-
	Hurst Castle ...	30·25	69	E	3	bc	30·42	+·13	58	53	−8	NE	3	bc	2	b bc	#	77	54	-
	Dungeness ...	30·27	59	ENE	4	b	30·38	+·09	54	53	−9	NE	5	c	4	b	#	67	51	-
	North Foreland																#			
	London (Brixton) ...	30·31	68	ESE	3	b	30·44	+·13	53	48	−16	E	3	c	#	b.0	11·0	80	49	-
	Oxford	30·36	61	NE	3	0	30·45	+·13	51	47	−15	NE	3	0	#	b.0	#	80	49	-
	Cambridge ...														#					
	Yarmouth ...	30·35	58	NNE	4	b	30·42	+·10	52	48	−10	NNE	4	c	4	bc.b	#	64	49	-
Germany & Holland	Cuxhaven ...	30·22	58	NNW	4	b	30·32	+·13	57	51	+4	E	1	b	#	b	#	59	50	-
	Berlin	30·14	62	NW	3	b	30·28	+·15	56	49	−2	NW	2	b	#	b	#	70	51	-
	Wiesbaden ...	#	#	#	#	#	30·27	+·03	59	51	−8	NE	3	b	#	#	#	75	52	-
	Munich... ..	30·18	65	SW	2	b	30·26	−·01	54	52	−1H	NE	5	0	#	b	#	75	54	-
	The Helder ...	30·31	52	N	3	bc	30·37	+·08	?	?	?	N	?	?	2	bc	#	59	50	-
Belgium.	Brussels ...	#	#	#	#	#	30·36	+·05	52	47	−13	NNE	3	0	#	bc	#	73	44	-
	Cape Gris Nez ..	30·30	60	E	4	c	30·36	+·04	52	50	−11	E	5	c	5	c	#	66	48	-
	Paris	30·18	76	NE	4	b	30·28	+·04	59	54	−7	NE	4	b	#	b	#	83	55	-
	Brest	30·16	75	NE	1	b	30·22	+·03	63	60	−1	NE	2	b	1	b	#	86	57	-
	Lorient	30·14	69	W	0	bc	30·21	+·02	64	63	0	ENE	4	0	3	bc	#	84	61	-
France &	Rochefort ...	30·06	73	NW	3	b	30·15	+·03	64	63	−2	NE	3	b	#	b	#	82	61	-
	Belfort ..														#		#			
	Lyons	30·07	60	E	1	b	30·11	−·08	66	60	−2	NNE	1	b	#	b	#	84	59	-
	Nice	30·08	72	SW	2	b	30·04	−·13	69	62	−3	W	0	b	1	b	#	79	61	-
	Perpignan ...	30·08	74	NE	1	bc	30·08	−13	72	63	+3	SW	1	b	#	bc	#	79	57	-
	Biarritz ...	30·03	71	WSW	3	c	30·04	−·08	68	63	0	SW	3	b	1	c.tl	#	77	63	-
Peninsula.	Corunna ...														#		#			
	Lisbon	30·08	65	N	4	bc	30·05	−·06	68	61	+1	NE	4	0	#	bc	#	79	63	-
	Azores (P. Delgada)	30·32	67	SW	2	bc	30·34	+·05	67	65	+2	W	2	bc		bc	#	72	64	-

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

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

Bright Sunshine yesterday Southport.. 11·9 hrs;

WEATHER CHARTS

FOR Thursday 8th June, 1899.

BAROMETER, WIND AND SEA.

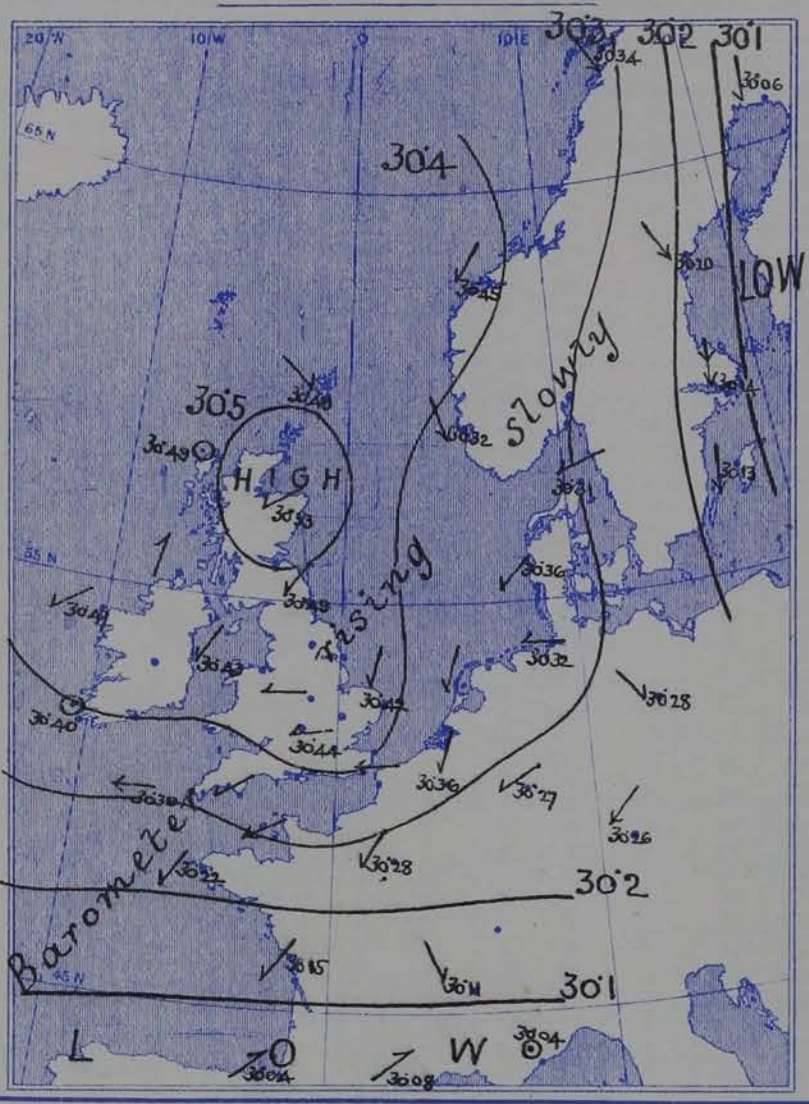
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ; Force 5 to 7 ; } Calm ⊙

Force 8 to 10 ; Force 1 to 4 ; }

SEA—Rough ; High



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

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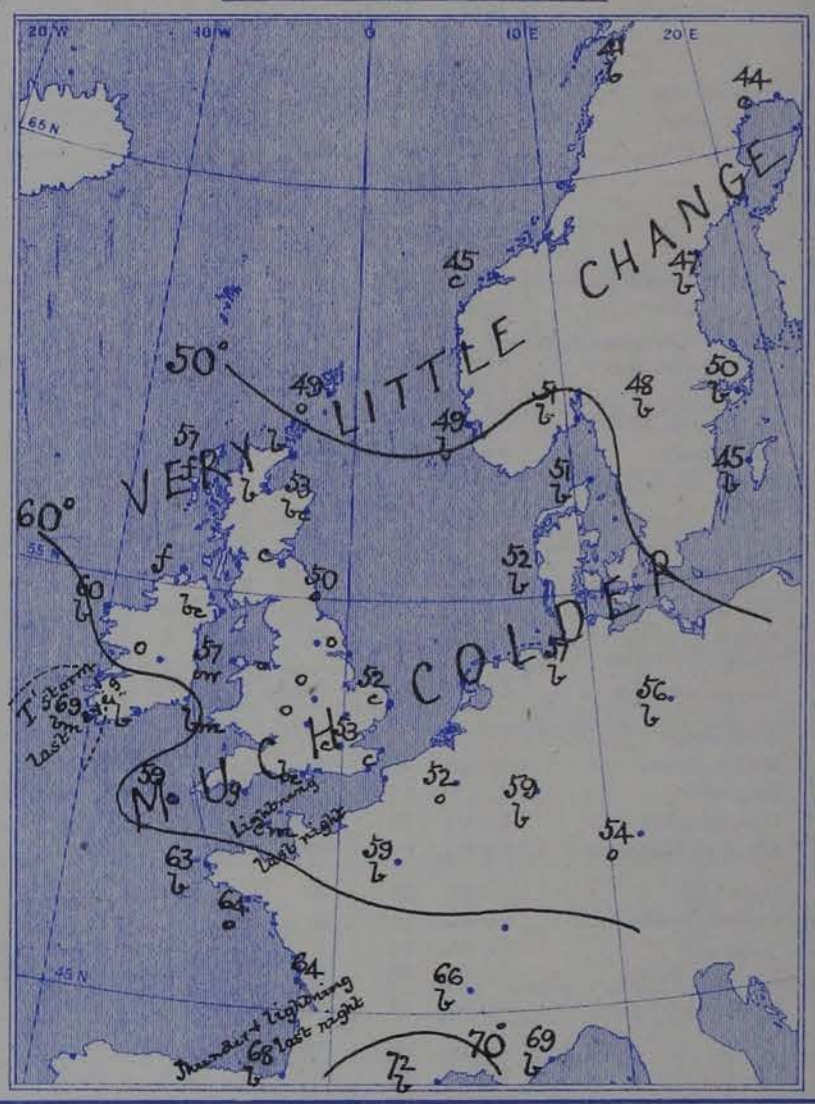
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	42	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 019	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 · 0	81	1877, 88	40	1892	1 · 86	—	—

* 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 in: and upwards in Scotland; 30·3 in: and upwards in an anticyclone covering the whole of northwestern Europe.
Lowest, 30·1 in: and less, in the south of France and also in Lapland.
Gradients slight. Barometer rising generally.

TEMPERATURE

Highest, (1) 72° at Perpignan, 69° at Nice, 68° at Biarritz, and 66° at Lyons; (2) 69° at Valencia (Ireland) and 65° at Roche's Point.
Lowest, 41° at Bodö, 44° at Haparanda, 45° at Wick, and Christiansund, 48° at Karlstad, and 49° at Skudenaes and Sumburgh Head.
During yesterday the thermometer rose to 75° and upwards over the southern part of the United Kingdom generally and to 80° in London and at Oxford.

WIND

Light to fresh from the NE.ᵃᵈ over England, the Netherlands, the north of France and the eastern and southern parts of Germany: Light from the Eˢᵗ in Ireland and Scotland.
N.ᵗ or NW.ᵗ in Scandinavia, with a gale at Stockholm.
Light from the SW.ᵈ in the extreme south of France.

WEATHER

Fair or fine over Western Europe as a whole, but dull in all the more central parts of the United Kingdom. Fog is reported at Stornoway and Malin Head.
A thunderstorm, with rain, occurred early yesterday evening at Valencia (Ireland) but in all other parts of our area the weather yesterday was very dry. Thunder and lightning occurred, however, at Biarritz, and lightning only at Jersey.

SEA

Slight or smooth generally, but moderate on the east and south east coast of England, and rather rough at Cape Finisterre.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone in the north is still spreading southwards, and fair dry weather is therefore likely to continue for a time in most districts. For the present, however, a good deal of cloud is probable over England, with a somewhat low temperature.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Eˢᵗ to SEˢᵗ winds, light; fine generally, warmer.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as N°5
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	NEˢᵗ winds, light or moderate; cloudy, cool.
6	SCOTLAND WEST	Same as N°s 0 and 1.
7	ENGLAND N.W.	Eˢᵗ winds, light; fair generally.
8	ENGLAND S.W.	Eˢᵗ winds, moderate or fresh; fair generally.
9	IRELAND NORTH	Eˢᵗ and SEˢᵗ winds, light; fine 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.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·28	55	50	NNW	1	b	2	Valencia	30·35	78	65	NE	1	cm	2
Sumburgh Head	30·47	50	46	NE	1	c	3	Scilly	30·28	69	62	NNE	3	b	0
Stornoway	30·45	57	55	NW	3	0	3	Jersey	30·23	74	68	NE	4	bc	3
Aberdeen	30·48	51	48	E	2	c	2	Hurst Castle ...	30·28	75	66	E	2	b	1
Shields	30·43	55	52	NNE	2	0	2	Dungeness ...	30·29	65	63	ENE	4	b	3
Ardrossan								North Foreland							
Malin Head ...	30·43	55	54	E	2	f	1	London (Westminster)	30·31	74	61	ESE	3	b	*
Belmullet	30·42	71	63	ENE	1	c	*	Yarmouth ...	30·34	60	56	NNE	3	bc	2
Holyhead ...	30·38	59	56	N	2	b	1	Rochefort ...	30·12	77	70	NW	3	b	*

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, 9th June, 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 ...	30·07	41	N	4	c	30·06	·00	40	38	− 4	N	2	bc	#	c	#	48	36	-
	Hernösand ...	30·13	49	N	2	b	30·12	−·08	45	39	− 2	N	2	b	#	b	#	54	37	-
	Stockholm ...	30·16	48	NNE	2	b	30·11	−·03	50	43	0	N	2	b	#	b	#	55	41	-
	Wisby	30·18	45	ESE	4	b	30·14	+·01	46	43	+ 1	NW	4	c	#	b	#	52	41	-
	Karlstad ...	30·12	59	NW	2	b	30·13	−·13	49	42	+ 1	NNE	2	o	#	b	#	#	#	-
	Bodö	30·33	42	NW	4	c	30·19	−·15	42	39	+ 1	S	0	o	1	c	#	43	36	-
	Christiansund ...	30·35	45	NE	1	b	30·26	−·19	45	42	0	WNW	3	o	3	b	#	46	43	-
	Skudesnaes ...	30·29	47	NNW	8	o	30·23	−·09	50	48	+ 1	NNW	6	o	2	b. o	#	52	45	#
	Færder (Christiania Fjord)	30·15	55	WSW	4	o	30·13	−·19	47	42	− 4	NNE	5	o	2	o	#	59	46	-
	Skagen (The Scaw)	30·19	51	SW	1	b	30·08	−·23	53	51	+ 2	SSW	2	m	0	b	#	68	48	-
	Fanö	30·26	50	NW	4	o	30·13	−·23	52	48	0	NW	6	c	#	o	#	59	48	-
	Sumburgh Head	30·43	50	WNW	3	o	30·38	−·11	49	49	0	N	3	o	4	o	#	53	46	-
	Stornoway ...	30·48	58	ESE	3	b	30·49	·00	52	51	− 5	S	0	o	0	b	14·0	61	47	-
	Wick	30·47	56	E	2	bc	30·45	−·06	54	52	+ 2	N	3	o	1	bc	#	59	45	-
	Nairn	30·47	58	E	1	b	30·48	−·04	55	52	+ 1	S	0	b	0	b	#	61	38	-
	Aberdeen ...	30·49	52	SE	2	b	30·45	−·08	55	50	+ 2	NW	3	o	2	b	15·5	56	45	-
	Leith	30·48	60	E	1	b	30·44	−·08	58	54	+ 5	NW	1	bm	#	b	#	60	43	-
	Shields	30·49	51	NE	2	c	30·44	−·05	50	47	0	WNW	2	o	2	c. c	#	55	42	-
	Spurn Head ...	30·44	51	N	3	o	30·42	−·05	52	49	+ 1	N	4	o	3	o	#.	54	48	-
	York														#					
	Loughborough ...	30·45	57	NNE	2	bc	30·46	−·02	53	47	+ 1	NNE	2	bc	#	c. bc cm	#	60	40	-
BRITISH ISLANDS.	Ardrossan ...																#			
	Malin Head ...	30·45	55	NE	2	bcm	30·47	·00	57	56	+ 4	W	1	b	1	f. bc. bcm	#	57	50	-
	Belmullet ...	30·47	57	NNE	3	b	30·51	+·04	60	59	0	ENE	1	b	#	b, f	#	65	50	0·01
	Donaghadee ...	30·46	59	ENE	1	b	30·49	·00	58	52	+ 3	E	2	b	2	b	#	63	48	-
	Liverpool (Bidston)	30·43	61	NNW	1	b	30·47	·00	57	51	+ 2	SE	1	b	1	b	#	65	47	-
	Holyhead ...	30·40	56	NNE	3	m	30·45	+·02	62	55	+ 5	NE	1	b	1	m	#	62	51	-
	Parsonstown ...	30·40	69	SE	1	c	30·47	+·04	61	57	+ 5	N	1	bc	#	c	8·0	74	48	-
	Valencia ...	30·41	68	S	0	bm	30·44	+·04	60	58	− 9	S	0	bm	2	bm	14·7	76	51	-
	Roche's Point ..	30·44	64	SE	3	b	30·45	+·02	63	58	− 2	ESE	2	b	1	b. t	#	66	56	-
	Pembroke (St. Ann's Hd.)	30·39	57	NW	2	b	30·45	+·05	54	52	− 6	E	3	bm	3	b	8·8	69	52	-
	Scilly	30·35	59	E	1	c	30·37	+·01	58	55	− 1	E	2	bcw	1	c	2·3	65	54	-
	Prawle Point ...	30·36	54	ENE	3	bc	30·41	+·03	50	46	− 4	ENE	4	c	3	bc	#	58	46	-
	Jersey (St. Aubin's)	30·29	59	ENE	5	bm	30·36	+·03	55	50	− 3	NE	5	o	4	c, bm	#	62	50	-
	Hurst Castle ...	30·36	60	SW	1	bm	30·41	−·01	53	48	− 5	NE	3	o	2	bm	#	68	48	-
	Dungeness ...	30·34	55	NNE	5	c	30·37	−·01	52	51	− 2	NNE	4	o	3	bc. c	#	60	51	-
	North Foreland																#			
	London (Brixton) ...	30·39	58	NE	3	c	30·43	−·01	51	46	− 2	NE	2	o	#	bc. o	8·2	66	48	-
	Oxford	30·42	52	NE	2	o	30·45	·00	51	46	0	ENE	3	b	#	c. o	#	62	47	-
	Cambridge ...														#					
	Yarmouth ...	30·39	53	NNE	4	c	30·39	−·03	53	48	+ 1	N	4	c	4	c. cv	#	56	48	-
GERMANY & HOLLAND.	Cuxhaven ...	30·30	57	NW	3	b	30·21	−·11	51	47	− 6	WNW	4	o	#	b	#	63	48	-
	Berlin	30·21	64	N	3	b	30·17	−·11	60	51	+ 4	NW	2	c	#	b	#	72	53	-
	Wiesbaden ...	#	#	#	#	#	30·23	−·04	63	55	+ 4	NW	3	b	#	#	#	70	52	-
	Munich	30·22	56	S	0	bc	30·21	−·05	55	51	+ 1	E	3	b	#	bc	#	64	45	-
	The Helder ...	30·35	52	NNW	2	bc	30·32	−·05	52	48	?	NNW	2	c	2	bc	#	57	48	-
FRANCE & BELGIUM.	Brussels ...	#	#	#	#	#	30·35	−·01	50	48	− 2	NNE	2	o	#	bc	#	65	46	-
	Cape Gris Nez ...	30·37	53	E	5	c	30·36	·00	51	48	− 1	NE	4	o	4	c	#	57	48	-
	Paris	30·22	66	N	4	b	30·28	·00	53	51	− 6	NNE	4	b	#	b	#	71	50	-
	Brest	30·23	61	NE	3	b	30·32	+·10	52	48	− 11	ENE	4	bc	2	b	#	73	46	-
	Lorient	30·19	65	NE	4	bc	30·25	+·04	53	50	− 11	NE	5	bc	3	b	#	82	50	-
	Rochefort ...	30·11	79	NE	4	bc	30·15	·00	59	55	− 5	NE	2	b	#	b, bc	#	86	55	-
	Belfort	30·12	66	ENE	5	m	30·14		58	55		E	4	m	#	m	#	74	48	-
	Lyons	30·04	75	NNE	2	bc	30·12	+·01	64	55	− 2	N	2	b	#	bc	#	82	58	-
	Nice	30·02	65	SW	1	bc	30·06	+·02	68	64	− 1	S	0	b	o	bc	#	81	59	-
	Perpignan ...	30·00	75	S	0	m	30·08	·00	72	64	0	SE	1	b	#	m	#	85	62	-
	Biarritz ...	30·00	68	WSW	4	o	30·01	−·03	67	65	− 1	SW	2	o	2	o	#	73	63	-
PENINSULA.	Corunna ...																#			
	Lisbon	30·04	67	NNW	5	b	30·01	−·04	68	61	0	NNW	3	b	#	b	#	77	61	-
	Azores (P. Delgada)																#			

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

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

Bright Sunshine yesterday Southport 11·7 hrs;

WEATHER CHARTS

FOR Friday, 9th June, 1899.

BAROMETER, WIND AND SEA.

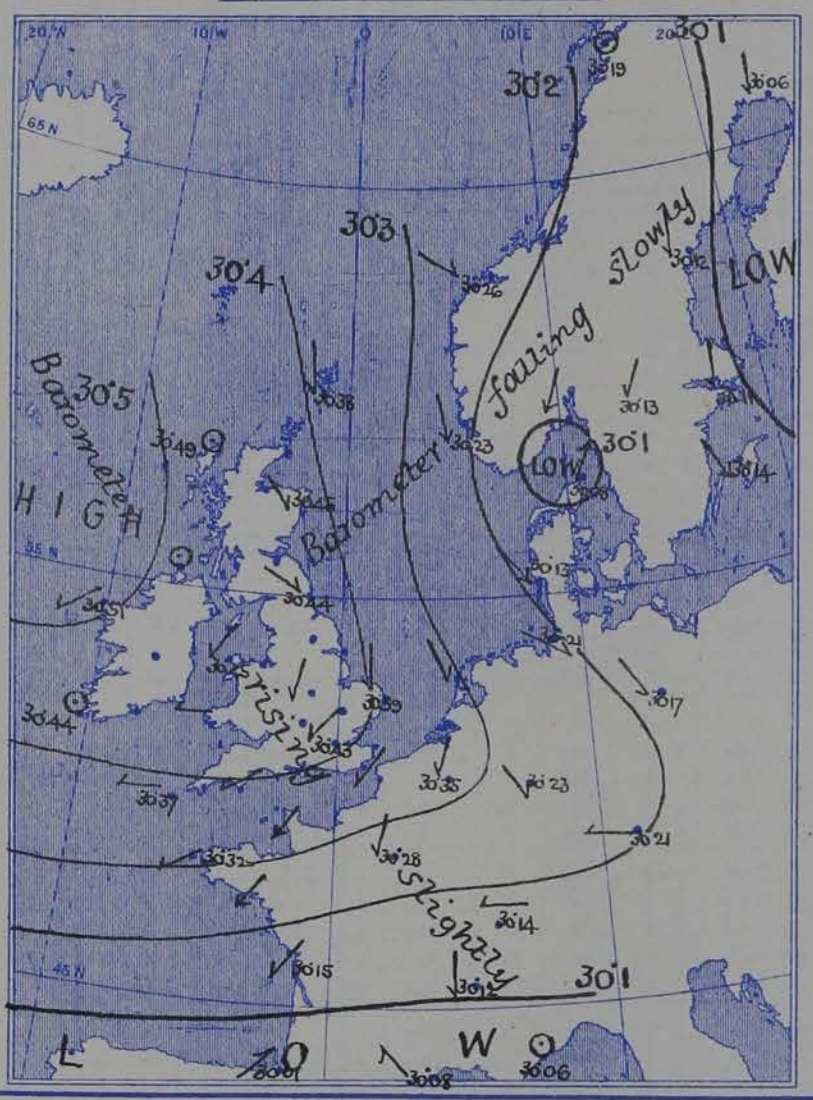
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ; High

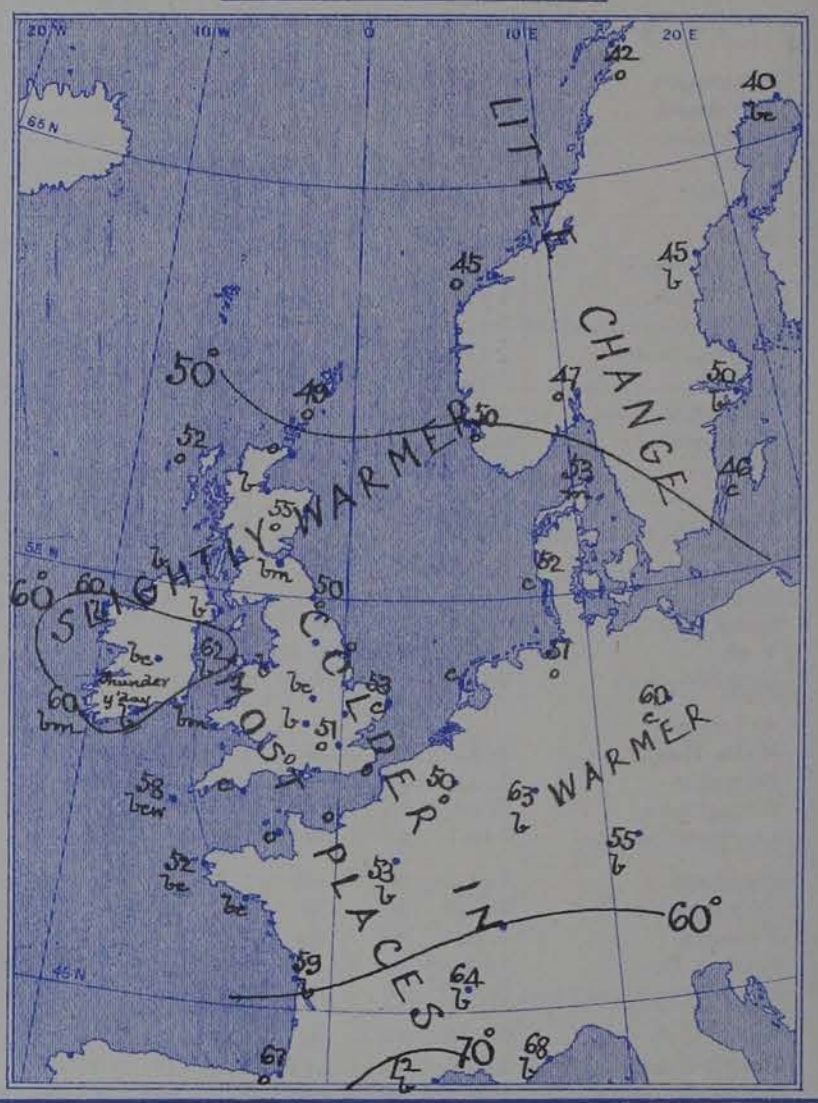


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95.								RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Means of				Absolute Extremes.						
		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	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62 3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·013	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52 0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

* 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, 30·51 ins: at Belmullet; 30·4 ins: and upwards in an anticyclone covering the whole of the United Kingdom.
Lowest, 30·1 ins: over the Spanish Peninsula and the south of France and also over the Gulf of Bothnia.
Gradient slight. Barometer rising slightly in most part of our Islands and France, but falling a little on our northeast coasts; fall also in Scandinavia, Denmark, and North Germany.

TEMPERATURE

Highest, (1) 72° at Perpignan, 68° at Nice and Lisbon, 67° at Biarritz, and 64° at Cyprus; (2) 63° at Rockethill and 62° at Holyhead.
Lowest, 40° at Haparanda, 42° at Bodö, and 45° at Hernösand and Christiansund; lowest in our Islands 49° at Sumburgh Head and 50° at Thurso.
The maxima registered yesterday were below 60° over most parts of our north and east coasts, and below 70° at all our own stations except Rathlin, Portpatrick and Valentia.

WIND

N. or NW. on our own north and east coasts and also over Scandinavia, Denmark and North Germany; light or moderate force generally, but strong on the eastern shores of the North Sea.
E. or NE. over the western and southern parts of the United Kingdom and the greater part of France, but calm or variable in extreme south of France.

WEATHER

Dull on many parts of our northern, eastern, and southeastern coasts and also on the eastern shores of the North Sea.
Fine and bright in nearly all other parts of our area.
No rain was measured this morning at any of our stations, but at Belmullet there was a slight deposition in the gauge, — due probably to wet fog. Distant thunder was heard at Rockethill last evening.

SEA

Slight or smooth generally, but moderate on some of the more exposed parts of our south and east coasts

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 10th JUNE, 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N. and NW. winds, light or moderate; cloudy, local showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N. and NW. winds, light; cloudy, cool.
3	ENGLAND EAST	NE. to N. winds, light or moderate; fair, cool.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Light variable airs; fair, cool.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E. and NE. winds, moderate; fair, cool.
9	IRELAND NORTH	Light breezes, chiefly E.; fine 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.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·34	52	49	NNW	6	b	2	Valencia	30·40	75	64	NNE	3	bm	3
Sumburgh Head	30·46	52	50	WNW	3	o	4	Scilly	30·38	61	58	E	4	c	2
Stornoway	30·50	61	54	E	3	b	3	Jersey	30·33	60	56	NE	5	b	4
Aberdeen	30·52	53	49	E	2	b	2	Hurst Castle ...	30·38	67	60	ENE	1	bm	1
Shields	30·52	52	47	NE	2	o	3	Dungeness ...	30·37	57	55	NE	5	bc	4
Ardrossan								North Foreland							
Malin Head ...	30·49	57	55	E	2	bc	2	London (Westminster)	30·40	62	52	NE	3	bc	*
Belmullet	30·47	64	59	NE	1	b	*	Yarmouth ...	30·41	55	49	NNE	4	c	3
Holyhead	30·44	59	56	NNE	3	m	2	Rochefort ...	30·15	84	73	NE	4	b	*

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

Weather in morning fine over nearly the whole of Europe, but dull in the more central parts of the United Kingdom and foggy at Stornoway and Malin Head. Dull also at most of the Russian stations, with rain at Nicolaieff. Sky clearing later at several of our central stations; distant thunder heard at Roche's Point in evening.

Temperature fallen considerably over Central England and also over South Germany, and to a less extent in most other parts of Europe. Morning readings highest 78° at Patras, 77° at Athens and Constantinople, and 72° at Lesina and La Calle; above 65° in most parts of southern Europe and also in the southwest of Ireland. Lowest 41° at Bodö, 44° at Haparanda and Moscow, and 45° at Ulleaborg, Kuopio and Christiansund. Daily maxima over our Islands much lower than of late; thermometer remaining below 60° on most parts of our north and east coasts, and below 70° at all stations excepting Parsboro and Valencia. Exceeding 80° in the west and south of France.

Wind light to fresh from the NE^{wd} over England, the Netherlands, and the north of France; light from the E^{ly} in Ireland and Scotland. N^{ly} or NW^{ly} over the greater part of northern and central Europe and strong to a gale in force at Stockholm and Kuopio. Light from the SW^{ly} or W^{ly} over Spain and the extreme south of France, variable over Italy and the Mediterranean. No important change occurring later.

Barometer highest 30·5 in: and upwards in Scotland; 30·1 in: and upwards in an anticyclone covering the whole of western and central Europe. Lowest 29·3 in: and less, in a well marked and rather deep depression over Central Russia. Slight fall of barometer taking place over Western Europe during day, but general distribution of pressure remaining unchanged.

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, 10th June, 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.		Tempelature.			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 ...	30·04	44	N	2	c	30·04	-·02	45	40	+ 5	NNE	2	c	*	c	*	48	34	-
	Hernösand ...	30·11	40	SW	2	bc	30·09	-·03	46	41	+ 1	2	0	0	*	bc	*	48	39	-
	Stockholm ...	30·12	46	E	2	b	30·12	+·01	48	42	- 2	E	2	0	*	b	*	?	39	-
	Wisby	30·10	44	N	4	0	30·13	-·01	45	40	- 1	N	4	c	*	0	*	50	39	-
	Karlstad ...	30·09	54	SW	2	c	30·10	-·03	52	47	+ 3	SW	2	c	*	c	*	*	*	-
	Bodö	30·10	44	2	0	0	30·07	-·12	46	44	+ 4	E	2	c	1	0	*	46	39	-
	Christiansund ...	30·22	48	NW	2	0	30·13	-·13	48	47	+ 3	N	2	0	2	0	*	50	45	0·12
	Skudesnaes ...	30·17	49	NNW	8	c	30·21	-·02	48	45	- 2	NNW	4	0	2	c	*	54	45	*
	Færder (Christiania Fjord)	30·09	55	W	2	b	30·13	·00	52	46	+ 5	NE	2	b	1	b	*	55	46	-
	Skagen (The Scaw)	30·12	52	E	1	b	30·14	+·06	55	50	+ 2	SSE	1	b	0	b	*	64	48	-
	Fanö	30·12	51	NW	0	b	30·17	+·04	52	49	0	N	2	b	*	b	*	59	48	-
BRITISH ISLANDS.	Sumburgh Head	30·32	49	WNW	3	0	30·22	-·16	49	49	0	WNW	3	f	4	c.o	*	52	46	0·01
	Stornoway ...	30·44	57	N	2	c	30·34	-·15	52	51	0	W	2	0	2	c	2.9	61	47	-
	Wick	30·40	52	N	5	0	30·32	-·13	53	51	- 1	N	5	0	2	0	*	55	46	0·01
	Nairn	30·39	60	E	1	b	30·32	-·16	56	54	+ 1	2	0	b	1	b	*	66	43	-
	Aberdeen ...	30·40	55	N	3	bc	30·32	-·13	54	51	- 1	N	2	c	1	c.bc	3·6	60	50	-
	Leith	30·39	64	NNE	2	b	30·31	-·13	57	54	- 1	WNW	1	bm	*	b	*	68	47	-
	Shields	30·41	55	NNE	2	b	30·34	-·10	51	50	+ 1	WNW	1	0	2	bc.b	*	60	49	-
	Spurn Head ...	30·36	54	N	4	bc	30·35	-·07	52	50	0	N	3	0	3	bc	*	61	50	-
	York														*					
	Loughborough ...	30·38	63	NE	2	b	30·38	-·08	53	50	0	N	1	om	*	o.bc.c.o	*	63	47	-
	Ardrossan ...																*			
	Malin Head	30·45	53	NW	2	m	30·38	-·09	50	50	- 1	W	1	f	1	b,bm	*	58	49	-
	Belmullet ...	30·47	61	NNE	2	b	30·40	-·11	59	57	- 1	NNE	2	b	*	b	*	66	49	-
	Donaghadee ...	30·41	59	NNE	3	b	30·37	-·12	51	50	- 1	N	3	f	3	b	*	63	48	-
	Liverpool (Gladston)	30·38	59	WNW	1	b	30·35	-·12	60	55	+ 3	2	0	b	?	b	*	63	50	-
	Holyhead ...	30·39	59	N	1	b	30·35	-·10	53	52	- 9	NW	1	f	1	b	*	63	51	-
	Parsonstown ...	30·42	73	NW	1	o	30·38	-·09	62	58	+ 1	NE	1	b	*	b,o	11·0	74	47	-
	Valencia ...	30·40	64	W	1	bm	30·34	-·10	66	61	+ 6	2	0	bm	1	bm	14·6	68	54	-
	Roche's Point ...	30·41	64	SSE	1	b	30·36	-·09	63	59	0	SE	1	b	2	b	*	67	54	-
	Pembroke (St. Ann's Hd.)	30·36	64	NW	4	b	30·35	-·10	60	57	+ 6	2	0	bm	1	b	13·6	67	52	-
	Scilly	30·34	56	ENE	1	bc	30·28	-·09	60	55	+ 2	E	5	bc	1	bc	13·7	62	53	-
	Prawle Point ...	30·34	52	ENE	2	b	30·30	-·11	55	52	+ 5	ENE	5	c	4	b	*	56	49	-
	Jersey (St. Aubin's)	30·29	57	NE	5	b	30·27	-·09	56	52	+ 1	ENE	5	o q	4	c,b	*	60	53	-
	Hurst Castle ...	30·34	60	SSW	1	b	30·32	-·09	58	53	+ 5	ENE	4	c	2	bm.b	*	66	48	-
	Dungeness ...	30·33	56	ENE	3	o	30·31	-·06	53	53	+ 1	ENE	4	c	3	b,o	*	59	52	-
	North Foreland																*			
	London (Brixton) ...	30·37	58	NNE	3	o	30·34	-·09	53	48	+ 2	NNE	2	o	*	c.b	5·8	67	48	-
	Oxford	30·36	57	ESE	1	b	30·36	-·09	53	49	+ 2	NE	2	o	*	b	*	64	50	-
	Cambridge ...														*					
	Yarmouth ...	30·34	55	NNW	4	c q	30·31	-·08	54	49	+ 1	NNE	4	c	4	c.c q	*	59	49	-
GERMANY & HOLLAND.	Cuxhaven ...	30·09	54	NW	5	o	30·15	-·06	55	51	+ 4	NW	5	c	*	o	*	55	50	-
	Berlin	30·01	54	NNW	3	r	30·07	-·10	53	50	- 1	NW	3	c	*	r	*	66	50	0·08
	Wiesbaden ...	*	*	*	*	*	30·21	-·02	55	48	- 8	NW	4	bc	*	*	*	68	54	-
	Munich	30·13	61	NW	2	b	30·19	-·02	54	49	- 1	NW	5	bc	*	b	*	70	48	-
	The Helder ...	30·26	53	NNW	3	o	30·25	-·07	52	48	0	NNW	3	c	3	o	*	55	50	-
BELGIUM.	Brussels ...	*	*	*	*	*	30·29	-·06	50	46	0	NNE	2	o	*	r	*	61	48	-
	Cape Gris Nez ...	30·34	54	E	4	c	30·28	-·08	52	48	+ 1	E	4	o	4	c	*	55	48	-
	Paris	30·23	64	NNE	4	b	30·25	-·03	55	50	+ 2	NE	2	o	*	b	*	69	47	-
	Brest	30·19	59	ENE	2	b	30·18	-·14	54	51	+ 2	ENE	4	bc	3	b	*	64	46	-
	Lorient	30·12	64	ENE	5	b	30·14	-·11	52	52	- 1	E	5	c	4	b	*	68	50	-
FRANCE &	Rochefort ...	30·03	76	ENE	4	b	30·07	-·08	60	55	+ 1	ENE	4	bc	*	b	*	82	55	-
	Belfort	30·05	68	NE	2	m	30·19	+·05	53	49	- 5	E	4	m	*	m	*	74	45	-
	Lyons	30·05	74	NNE	2	b	30·10	-·02	60	53	- 4	N	1	b	*	b	*	79	56	-
	Nice	30·02	69	SW	4	c	29·98	-·08	67	64	- 1	SE	2	c	1	c	*	77	59	-
	Perpignan ...	30·04	76	E	2	o	30·01	-·07	71	66	- 1	NE	2	bc	*	o	*	82	61	0·35
	Biarritz ...	29·95	69	N	4	t	29·90	-·11	68	63	+ 1	ESE	4	c	2	t l r	*	75	63	0·47
PENIN-SULA.	Corunna ...																*			
	Lisbon	29·92	65	NNW	4	b	29·94	-·07	65	60	- 3	SW	3	o	*	b	*	77	61	-
	Azores (P. Delgada)	30·25	65	NE	4	bc	30·17	-·17	65	62	- 2	NW	3	o		bc	*	73	61	-

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

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

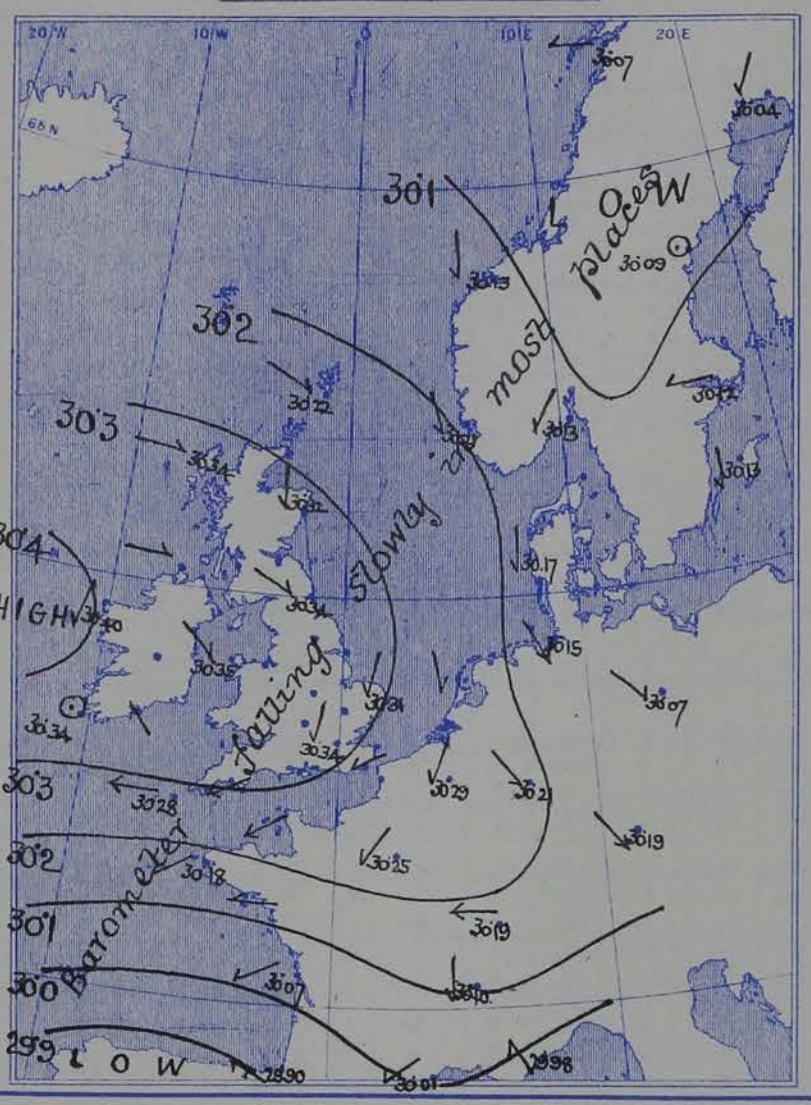
Bright Sunshine yesterday Southport 14·5 hrs;

WEATHER CHARTS

FOR Saturday, 10th June, 1899.

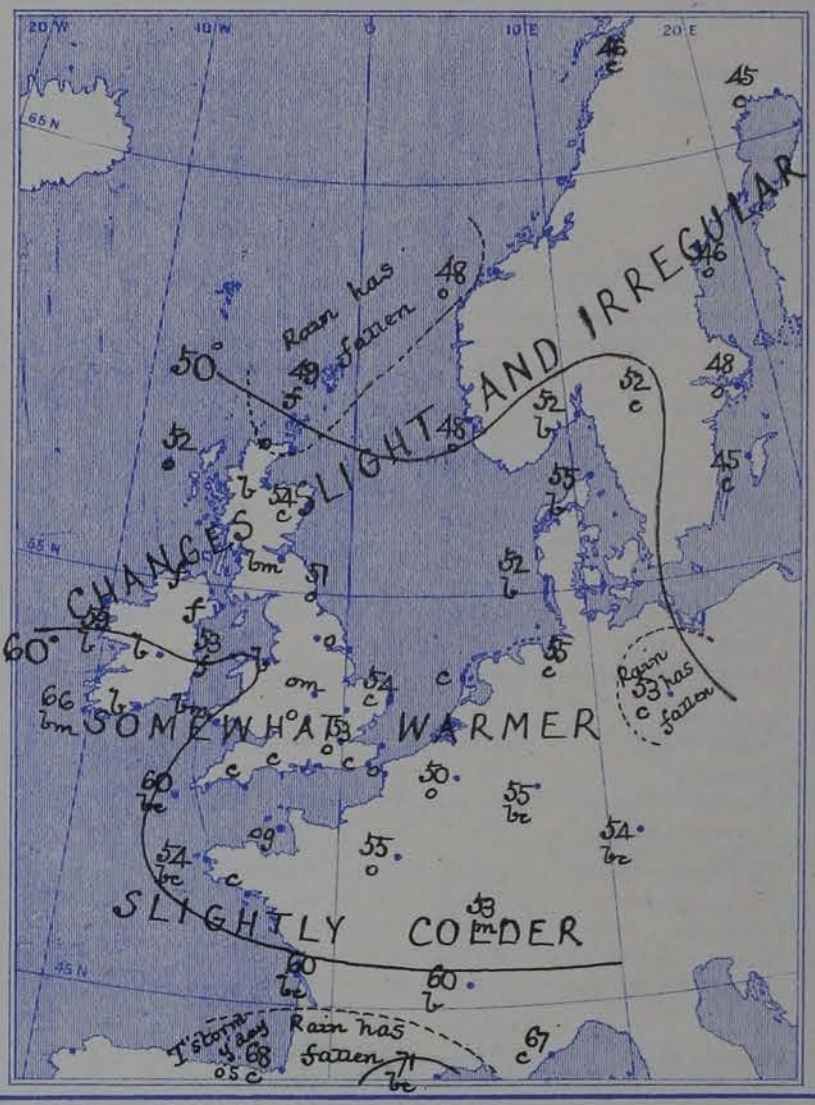
BAROMETER, WIND AND SEA.

BAROMETER—Isobars are drawn for each tenth of an inch.
WIND—Arrows shew Directions and Force, flying with the wind.
Force above 10 ; Force 5 to 7 ; } Calm ⊙
Force 8 to 10 ; Force 1 to 4 ; }
SEA—Rough : High



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.
WEATHER—Shown by Letters of the Beaufort Scale.
RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62 3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·013	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52 0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51 0	81	1877, 88	40	1892	1·86	—	—

* 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: at Belmullet; and exceeding 30·3 ins: over nearly the whole of our Islands.
Lowest, 30·1 ins: and less. (1) over Central Europe, (2) over the northern part of Scandinavia; below 29·9 ins: over Spain and also over the Mediterranean.
Gradients moderate over the Peninsula, slight elsewhere.
Barometer falling slowly all over our Islands and their neighbourhood.

TEMPERATURE

Highest, 71° at Perpignan and above 60° in the south and southwest of France generally.
Lowest, 45° at Haparanda and Wisby, 48° at Christiansund and Skudenaes; it is above 50° over our Islands generally.
The night has been rather cold over England and Ireland.

WIND

Light and variable over Ireland, NW. in the north of Scotland, N. in the northeast and east of Great Britain. NE. in the Channel and the north and west of France.

WEATHER

Fine generally but scarcely so settled in the far north as of late.
A thunderstorm has occurred in the southwest of France, and a little rain has fallen in the north of Scotland and west of Norway.
Bright Sunshine recorded yesterday amounted to 11 to 14·6 hours over Ireland and the west coasts of England. In London there were only 5·8 hours.

SEA

Moderate in the south and east, smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Disturbances of no great intensity are likely to pass eastwards or southeastwards over Norway, and their secondaries are likely to affect the winds and weather on our north and northeast coasts. A cool night is probable over England.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. to SW. winds, moderate; some rain.
1	SCOTLAND EAST	N. to W. winds, light; fair, cloudy.
2	ENGLAND N.E.	
3	ENGLAND EAST	NE. to NW. winds, light; fine, warmer.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	NE. winds, light; fine, cool tonight.
6	SCOTLAND WEST	Same as No. 0
7	ENGLAND N.W.	Same as Nos. 1 & 2
8	ENGLAND S.W.	NE. winds, moderate; fair.
9	IRELAND NORTH	Light Variable airs and calms; fine 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.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·20	54	49	NNW	8	c	2	Valencia	30·43	64	60	N	2	bm	3
Sumburgh Head	30·35	51	50	NNW	3	c	4	Scilly	30·37	58	55	ENE	2	bc	1
Stornoway ...	30·45	60	56	W	0	c	0	Jersey	30·34	59	54	ENE	5	c	4
Aberdeen	30·42	58	52	NE	3	c	3	Hurst Castle ...	30·36	66	58	E	1	bm	2
Shields	30·43	55	52	NNE	2	bc	2	Dungeness ...	30·36	58	56	ENE	4	b	3
Ardrossan								North Foreland							
Malin Head ...	30·46	58	55	N	1	b	1	London (Westminster)	30·38	65	55	N	2	c	
Belmullet	30·49	63	60	ENE	2	b	*	Yarmouth ...	30·36	57	52	NNW	3	c	3*
Holyhead	30·43	63	57	N	1	b	1*	Rochefort ...	30·15	60	69	NE	4	b	*

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

Continental Information not received

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 11th June, 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 ...	30·04	43	N	2	c	29·95	−·09	43	39	− 2	L	0	0	*	c	*	50	37	—
	Hernösand ...	30·06	48	L	0	0	29·95	−·14	51	46	+ 5	SW	2	0	*	0	*	52	34	—
	Stockholm ...	30·13	46	S	2	0	30·08	−·04	55	49	+ 7	SSE	2	c	*	0	*	55	39	—
	Wisby	30·14	45	SSW	4	r	30·04	+·01	51	45	+ 6	S	4	b	*	r	*	51	39	—
	Karlstad ...	30·06	57	S	2	c	30·04	−·06	54	48	+ 2	SSW	2	c	*	c	*	*	*	—
	Bodö	30·10	45	E	2	0	29·88	−·09	43	42	− 3	L	0	r	1	0	*	54	41	035
	Christiansund ...	30·10	47	NE	2	c	29·98	−·15	48	48	0	W	8	r	4	c	*	48	45	0·04
	Skudesnaes ...	30·18	51	NNW	4	c	30·13	−·08	50	50	+ 2	L	0	rf	1	b,c	*	55	46	*
	Færder (Christiania Fjord)	30·06	57	SSW	2	b	30·03	−·10	54	51	+ 2	S	2	0	2	b	*	57	52	—
	Skagen (The Scaw)	30·11	56	WSW	1	b	30·08	−·06	52	50	− 3	SW	3	bc	0	b	*	70	46	—
	Fanö	30·18	51	NW	1	c	30·15	−·02	53	51	+ 1	NW	4	c	*	c	*	59	50	—
British Islands.	Sumburgh Head	30·17	50	WNW	1	f	30·16	−·06	50	48	* 1	WNW	3	bc	4	0,f	*	51	45	—
	Stornoway ...	30·25	58	WNW	3	0	30·29	−·05	53	51	+ 1	L	0	c	0	0	3.5	67	49	—
	Wick	30·24	57	N	3	c	30·27	−·05	53	50	0	N	3	bc	2	c	*	63	46	—
	Nairn	30·24	60	E	1	c	30·27	−·05	60	56	+ 4	L	0	c	1	c	*	68	52	—
	Aberdeen ...	30·26	60	S	2	b	30·26	−·06	58	54	+ 4	NW	3	c	2	bc,b	9.4	62	54	—
	Leith	30·27	61	WSW	1	b	30·23	−·08	67	59	+ 10	WSW	1	c	*	b	*	67	51	—
	Shields	30·29	55	E	2	b	30·24	−·10	56	54	+ 5	SE	2	m	2	b	*	58	46	—
	Spurn Head ...	30·28	53	ESE	3	b	30·28	−·07	52	50	0	ESE	2	? b	3	b	*	56	47	—
	York														*					
	Loughborough ...	30·27	67	NNW	1	bc	30·29	−·09	54	52	+ 1	L	0	omer	*	c,bc,om	*	70	48	—
	Ardrossan ...																*			
	Malin Head ...	30·34	53	NE	1	f	30·30	−·07	56	55	+ 6	NNW	1	ogm	1	f	*	57	50	—
	Belmullet ...	30·34	61	NNE	1	b	30·34	−·06	59	56	0	NE	2	b	*	b	*	67	50	—
	Donaghadee ...	30·31	59	NNE	3	b	30·29	−·08	55	53	+ 4	NNE	2	bc	2	b	*	60	48	—
	Liverpool (Bidston)	30·26	64	W	1	b	30·27	−·08	61	57	+ 1	W	1	b	0	b	*	66	55	—
	Holyhead ...	30·28	57	NW	1	b	30·27	−·08	63	58	+ 10	NW	1	b	1	b	*	63	51	—
	Parsonstown ...	30·28	56	NE	1	c	30·31	−·07	64	59	+ 2	NE	1	b	*	b,c	12.4	77	50	—
	Valencia ...	30·28	57	W	1	b	30·27	−·07	65	61	− 1	L	0	bm	2	bm,b	14.7	69	55	—
	Roche's Point ..	30·29	57	SSE	2	b	30·28	−·08	65	60	+ 2	SE	1	b	1	b	*	68	55	—
	Pembroke (St. Ann's Hd.)	30·27	61	S	2	b	30·25	−·10	68	65	+ 8	NE	2	bm	2	b	13.4	68	55	—
	Scilly	30·21	58	E	4	c	30·20	−·08	59	56	− 1	ENE	4	bc	1	cm,c	9.7	62	55	—
	Prawle Point ...	30·25	53	ENE	4	bc	30·25	−·05	57	54	+ 2	ENE	4	c	3	bc	*	58	50	—
	Jersey (St. Aubin's)	30·26	58	ENE	5	cm	30·19	−·08	58	53	+ 2	ENE	6	b	4	cm	*	59	52	—
	Hurst Castle ...	30·26	59	SSE	2	b	30·26	−·06	57	54	− 1	E	2	cm	1	bm,b	*	66	51	—
	Dungeness ...	30·26	55	ENE	4	b	30·26	−·05	53	52	0	ENE	4	0	3	bc,b	*	60	51	—
	North Foreland																*			
	London (Brixton) ...	30·26	67	NE	2	b	30·29	−·05	54	50	+ 1	ENE	1	0g	*	b	8.5	70	48	—
	Oxford	30·27	61	NE	1	b	30·28	−·08	54	52	+ 1	L	0	0	*	b	*	67	48	—
	Cambridge ...														*					
	Yarmouth ...	30·28	55	N	4	c	30·28	−·03	52	50	− 2	NNE	2	c	3	bc,c	*	59	50	—
Germany & Holland.	Cuxhaven ...	30·18	54	NW	4	bc	30·16	+·01	52	48	− 3	W	1	0	*	bc	*	57	50	—
	Berlin	30·13	57	W	2	0	30·16	+·09	57	52	+ 4	SE	2	b	*	0	*	63	53	—
	Wiesbaden ...	*	*	*	*	*	30·20	−·01	58	50	+ 3	NE	3	b	*	*	*	64	48	—
	Munich	30·19	53	NE	1	b	30·27	+·08	54	49	0	E	4	b	*	b	*	63	45	—
	The Helder ...	30·24	53	NNW	1	0	30·24	−·01	52	49	0	NNW	1	0	0	0	*	57	50	—
Belgium.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez ...	30·24	63	E	5	b	30·27	−·01	51	49	− 1	E	1	0	1	b	*	59	45	—
	Paris	30·17	66	NE	4	b	30·20	−·05	55	51	0	ENE	3	b	*	b	*	68	46	—
	Brest	30·08	63	ENE	4	b	30·10	−·08	55	52	+ 1	ENE	3	bc	2	b	*	66	48	—
	Lorient	30·07	65	E	5	c	30·09	−·05	56	53	+ 4	ENE	5	c	4	c	*	68	52	—
France &	Rochefort ...	30·07	78	ENE	4	bc	30·03	−·04	63	57	+ 3	ENE	4	tb	*	bc	*	88	55	—
	Belfort	30·06	61	ENE	5	c	30·12	−·07	54	49	+ 1	E	6	m	*	c	*	70	43	—
	Lyons	30·02	71	NNE	1	c	30·04	−·06	59	51	− 1	N	1	b	*	c	*	61	52	—
	Nice	29·93	66	S	2	c	?29·94	−·04	66	62	− 1	L	0	c	1	c	*	73	61	—
	Perpignan ...	29·94	74	NE	1	b	29·97	−·04	72	67	+ 1	L	0	b	*	b	*	79	60	—
	Biarritz ...	29·85	77	ENE	3	0	29·86	−·04	68	64	0	E	2	b	1	0, tbr	*	79	64	0·12
Peninsula.	Corunna ...																*			
	Lisbon	30·02	64	SW	4	c	30·06	+·12	67	63	+ 2	WSW	3	bc	*	c	*	70	63	—
	Azores (P. Delgada)	30·17	66	N	2	bc	30·19	+·02	68	64	+ 3	NNE	2	0	2	bc	*	72	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 now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 13·3 hrs;

WEATHER CHARTS

FOR Sunday, 11th June, 1899.

BAROMETER, WIND AND SEA.

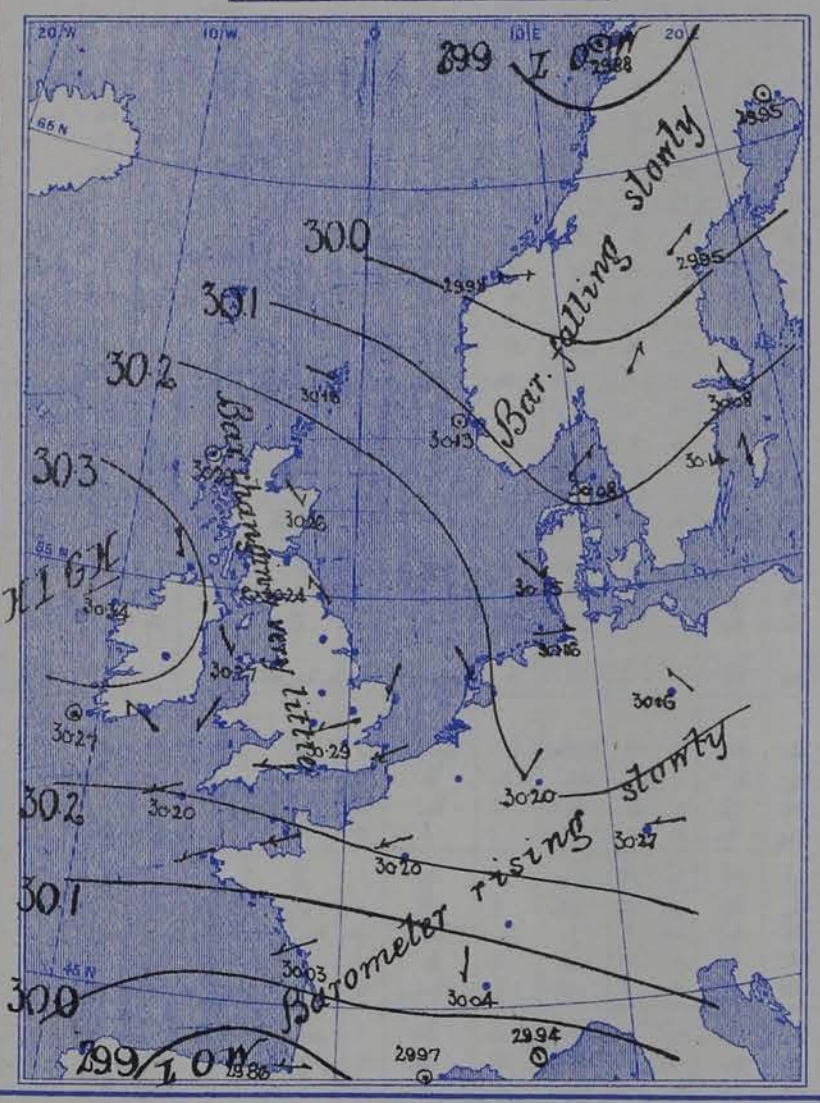
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

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

SEA—Rough ▤ ; *High* ▩

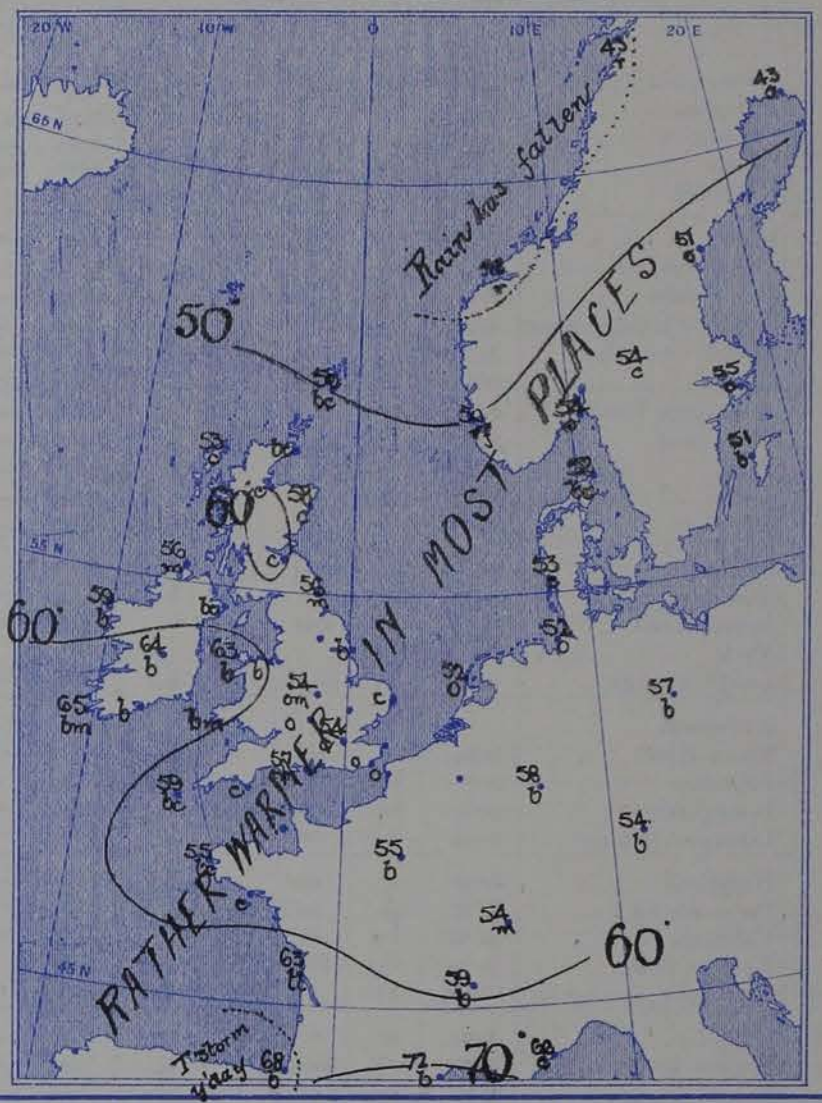


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—{ A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 · 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 013	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 · 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 · 0	81	1877, 88	40	1892	1 · 86	—	—

* 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, 303 ins: and more over the northwest of Ireland and steadily 30·2 ins: over England, the Netherlands and northeast of France.
Lowest, 29·3 ins: and less over Lapland and also over the northeast of Spain
Gradients very slight over our Islands, and slight generally.
Barometer rising over Germany, falling a little elsewhere.

TEMPERATURE

Highest, 72° to 66° over southeastern Europe, 68° at Pembroke, 65° at Valencia, 60° at Nairn.
Lowest, 43° at Bodö and Haparanda, 50° at Lerwick Head, 52° at the Helder and Clyfaban, 54° at Munich and Belfast.

WIND

SW^{3} and S^{3} (light) over Sweden, W^{1} in Norway (a gale at Christiansund), NW^{3} in the northeast of Scotland.
Light and anticyclonic over our Islands, ENE^{2} in the Channel and north of France.
E^{3} over Central France.

WEATHER

Fine over our Islands, but dull and hazy at first in many places; fine over France and Central Europe, thunder and lightning at Rochefort.
Rain has fallen in Norway generally, the amount at Bodö being 0·35 inch.
Bright Sunshine registered yesterday varied between 3·5 hours at Skenoway and 14·7 hrs at Valencia.

SEA

Moderate in the far north and at Jersey and Guernsey, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 12TH JUNE, 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.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudenaes ...	30·19	55	49	NNW	6	b	2	Valencia	30·31	68	63	W	1	bm	3
Sumburgh Head	30·14	50	50	WNW	3	o	4	Scilly	30·25	59	55	ENE	5	om	1
Stornoway	30·27	61	60	WSW	3	o	3	Jersey	30·23	58	54	NE	6	o	4
Aberdeen	30·30	59	55	SE	3	bc	2	Hurst Castle ...	30·28	66	60	E	1	bm	1
Shields	30·31	56	52	E	3	b	2	Dungeness ...	30·29	59	58	ENE	5	bc	4
Ardrossan								North Foreland							
Malin Head	30·35	51	55	E	1	m	1	London (Westminster)	30·30	65	55	NNE	2	b	*
Belmullet ...	30·36	65	59	NE	1	b	*	Yarmouth	30·30	58	52	NNE	4	bc	3
[illegible] ...	30·31	57	55	NNW	1	b	1	Rochefort ...	30·03	85	71	ENE	4	bc	*

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

Weather in morning fine over the British Islands, the North Sea and France, but dull and hazy at many of the English stations and in Norway and Sweden, cloudy or overcast and rather unsettled in Central Europe and the north of Russia, fine over the Mediterranean. A little rain later in the west of Norway and a thunderstorm at Biarritz; remaining fine over the other parts of Western Europe.

Temperature little changed in our Islands, fallen over the Mediterranean, risen a little in the north of Russia. Morning readings highest 77° at Patras and above 70° at many of the Mediterranean stations and at Bilbao; 66° to 60° in the south of Ireland, and above 50° over Central Europe, France, and the British Islands. Lowest 28° at Archangel, 38° at Moscow, 39° at St Petersburg, 48° at Stockholm, Christiansund, and Skudenaes, 49° at Kieff. Rising later to between 60° and 68° in Scotland, to 70° in some parts of England, to 78° at Parsonstown; to 79° in the southwest of France and to 88° (locally) at Ile d'Aix.

Wind light to moderate over northwestern and eastern Europe and anticyclonic in direction — N. over the northern countries, NE. to E. in the south. A cyclonic circulation of light breezes prevalent both over northern and central Europe.

Barometer highest (1) 30·4 in: to 30·3 in: over the United Kingdom; 30·2 in: to 30·1 in: over France, and above 30·1 in: over Sicily. Lowest 29·9 in: and less, in shallow depressions over the north of Russia, central Europe, and Central Spain. The British anticyclone decreasing in intensity later and moving southwestwards.

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 Monday, 12th June, 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 ...	29.79	45	E	2	0	29.75	- .20	46	41	+ 3	ENE	2	c	*	0	*	48	39	-
	Hernösand ...	29.76	50	NW	2	bc	29.64	- .31	48	43	- 3	N	4	bc	*	bc	*	52	36	0.08
	Stockholm ...	29.85	50	SSW	2	0	29.71	- .37	47	45	- 8	W	2	r	*	0	*	59	43	0.08
	Wisby	29.93	52	SSW	4	0	29.72	- .42	53	47	+ 2	NNW	4	r	*	0	*	55	37	-
	Karlstad ...	29.86	58	NNW	2	c	29.72	- .32	53	47	- 1	ENE	2	r	*	c	*	*	*	-
	Bodö	29.76	44	ESE	2	r	29.78	- .10	46	44	+ 3	W	0	c	1	r	*	46	41	0.16
	Christiansund ...	29.97	46	NNW	8	r	29.79	- .19	45	42	- 3	N	4	r	4	r	*	48	45	0.67
	Skudesnaes ...	30.10	49	NNW	6	0	29.98	- .15	51	49	+ 1	NNW	4	0	2	0	*	54	46	*
	Færder (Christiania Fjord)	29.90	50	SW	1	0	29.72	- .31	59	53	+ 5	NW	2	0	2	0	*	59	54	-
	Skagen (The Scaw)	29.93	53	W	2	m	29.76	- .32	57	53	+ 5	NW	5	0	1	m	*	61	52	-
	Fanö	30.08	51	NW	6	c	29.98	- .17	53	50	0	NW	6	b	*	c	*	55	50	-
	Sumburgh Head	30.18	52	NNW	8	bc	30.02	- .14	50	50	0	NNW	4	f	4	bc	*	54	48	0.01
	Stornoway ...	30.28	61	E	1	b	30.22	- .07	56	55	+ 3	NW	4	ow	4	b	12.8	61	45	-
	Wick	30.26	55	NW	2	b	30.13	- .14	59	57	+ 6	NW	5	bc	2	b	*	61	42	-
	Nairn	30.24	66	E	1	b	30.09	- .08	63	53	+ 3	W	1	b	1	b	*	72	42	-
	Aberdeen ...	30.28	54	SE	2	b	30.16	- .10	66	52	+ 8	NW	4	bq	2	b	10.9	68	44	-
British Islands.	Leith	30.24	65	NE	1	b	30.17	- .06	63	58	- 4	NNW	2	b	*	b	*	67	48	-
	Shields	30.27	58	NE	3	b	30.20	- .04	57	53	+ 1	NE	2	bm	2	b	*	62	43	-
	Spurn Head ...	30.22	56	ESE	3	b	30.19	- .09	55	51	+ 3	N	3	b	3	b.f	*	58	47	-
	York														*					
	Loughborough ...	30.21	76	calm	0	b	30.21	- .08	54	53	0	ESE	1	om	*	o.c.b.m	*	76	52	-
	Ardrossan ...																*			
	Malin Head ...	30.28	56	NNW	2	o	30.24	- .07	51	50	- 5	WNW	1	o	1	b.o	*	60	49	-
	Belmullet ...	30.31	62	NNE	1	b	30.27	- .07	59	50	0	NNE	2	o	*	b	*	65	55	-
	Donaghadee ...	30.26	58	NNE	3	b	30.21	- .08	51	50	- 4	NNE	3	m	3	b.f	*	61	48	-
	Liverpool (Bidston)	30.22	65	W	2	b	30.18	- .09	62	58	+ 1	W	1	b	0	b	*	66	56	-
	Holyhead ...	30.24	58	NNW	1	bc	30.21	- .06	52	51	- 11	NW	3	f	2	bc	*	63	50	-
	Parsonstown ...	30.22	71	NW	1	b	30.24	- .07	58	57	- 6	SW	1	of	*	b	12.4	79	54	-
	Valencia ...	30.24	73	SSW	1	bcm	30.23	- .04	64	61	- 1	calm	0	bm	2	bcm	15.3	75	53	-
	Roche's Point ...	30.27	67	SSE	1	b	30.22	- .06	65	61	0	N	1	b	1	b	*	69	55	-
	Pembroke (St. Ann's Hd.)	30.20	70	NE	3	b	30.19	- .06	63	61	- 5	calm	0	bm	1	b	1.40	74	59	-
	Scilly	30.18	61	ENE	2	bc	30.17	- .03	61	58	+ 2	ENE	2	bc	0	bc	12.7	64	56	-
	Prawle Point ...	30.20	55	ENE	3	bc	30.19	- .06	55	54	- 2	NE	3	m	2	bc	*	58	51	-
	Jersey (St. Aubin's)	30.24	62	NE	4	b	30.16	- .03	57	55	- 1	ENE	3	cm	3	b	*	64	54	-
	Hurst Castle ...	30.21	62	S	2	bm	30.19	- .07	61	57	+ 4	NE	1	bm	1	bm	*	68	49	-
	Dungeness ...	30.21	54	ENE	4	o	30.17	- .09	53	53	0	NE	2	o	1	o	*	57	50	-
	North Foreland																*			
	London (Brixton) ...	30.23	65	ENE	2	b	30.20	- .09	58	50	+ 4	NW	1	b	*	o.b.m	4.7	68	50	-
	Oxford	30.21	64	E	1	b	30.20	- .08	59	57	+ 5	calm	0	om	*	b	*	71	48	-
	Cambridge ...														*					
	Yarmouth ...	30.25	56	ENE	2	bc	30.17	- .11	54	50	+ 2	NE	3	b	3	bc	*	57	48	-
Germany & Holland.	Cuxhaven ...	30.15	54	W	3	o	30.03	- .13	52	50	0	NNW	4	o	*	o	*	57	50	-
	Berlin	30.11	61	NW	3	bc	29.99	- .17	56	52	- 1	W	4	o	*	bc	*	72	55	-
	Wiesbaden ...	*	*	*	*	*	30.10	- .10	59	53	+ 1	N	3	b	*	*	*	68	48	-
	Munich	30.16	55	NE	3	b	30.12	- .15	57	52	+ 3	E	2	b	*	b	*	64	44	-
	The Helder ...	30.22	54	NNW	1	o	30.13	- .11	50	49	- 2	NNW	1	o	1	o	*	54	50	-
Belgium.	Brussels ...	*	*	*	*	*									*		*			
	Cape Gris Nez ...	30.22	53	E	4	o	30.19	- .08	52	51	+ 1	E	2	o	2	o	*	57	50	-
	Paris	30.12	68	NNE	3	b	30.12	- .08	56	51	+ 1	NNE	2	b	*	b	*	73	49	-
	Brest	30.08	63	NE	3	bc	30.11	+ .01	54	53	- 1	NE	1	c	1	bc	*	72	46	-
	Lorient†	30.03	71	E	4	c	30.08	- .01	57	57	+ 1	ENE	5	c	4	c	*	73	54	-
France &	Rochefort ...	29.98	60	E	3	b	30.03	.00	61	55	- 2	E	3	b	*	b	*	82	54	0.04
	Belfort	30.01	66	ENE	2	m	30.04	- .08	56	50	+ 2	ENE	4	m	*	m	*	71	46	-
	Lyons														*		*			
	Nice	30.30	68	SW	2	c	29.94	.00	69	65	+ 3	SW	1	c	1	c	*	77	61	-
	Perpignan † ...	29.89	72	calm	0	f	29.97	.00	71	64	- 1	NW	2	b	*	f	*	84	59	0.24
	Biarritz ...	29.95	63	W	1	fbr	29.97	+ .11	65	61	- 3	NSW	4	o	2	fbr	*	73	61	0.35
Peninsula.	Corunna ...																*			
	Lisbon														*		*			
	Azores (P. Delgada)	30.28	67	SW	2	b	30.30	+ .11	69	66	+ 1	E	1	bc	1		*	77	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 now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 12.2 hrs;

WEATHER CHARTS

FOR Monday, 12th June, 1899.

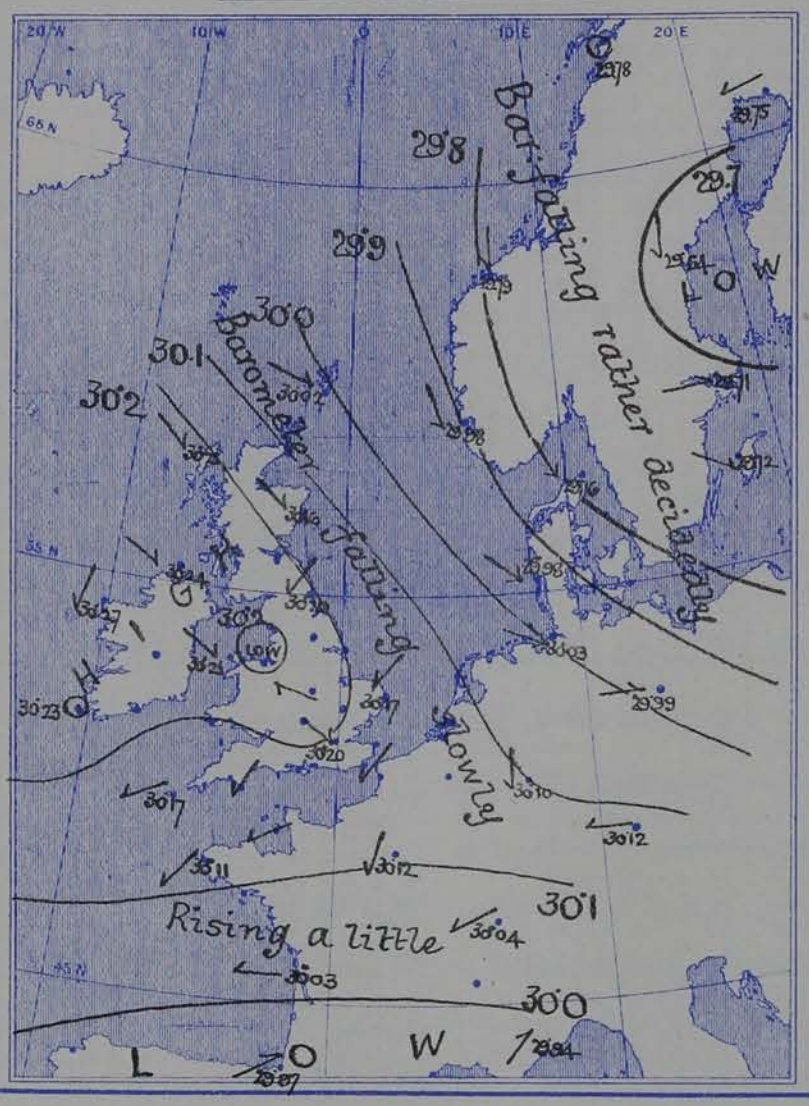
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ; High

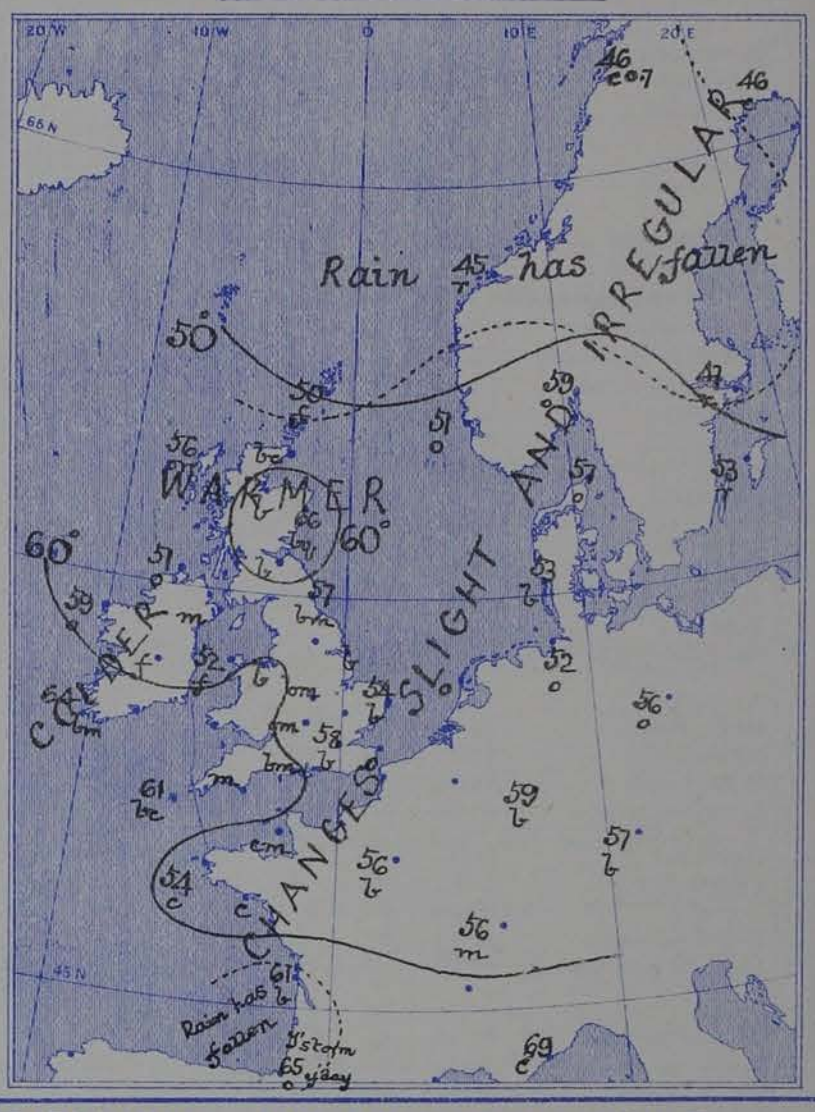


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62 3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52 0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30 001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51 0	81	1877, 88	40	1892	1·86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·2 ins: and upwards, in an anticyclone lying over Ireland, the west of Scotland, and the northern and central parts of Eng[land]. Lowest, 29·7 ins: and less, in a shallow depression over the Gulf of Bothnia; 30·0 ins: and less over the southern parts of France. Gradients slight. Barometer falling at all but the French stations, slightly in our Islands, but more decidedly in Scandinavia. De[nmark]

TEMPERATURE — Highest, (1) 69° at Nice and 65° at Biarritz; (2) 66° at Aberdeen and 63° at Nairn and Leith; (3) 65° at Rochesbunt, and 64° at Valencia (W.). Lowest, 45° at Christiansund, 46° at Bodö and Haparanda, and 47° at Stockholm; lowest in our Islands 50° at Lerwick Head. During yesterday, the thermometer rose to 70° and upwards in several parts of the United Kingdom, to 76° at Loughborough and to 79° at [illegible]

WIND — Light from the N. in Ireland, and from the N.E. in the south of England and the north of France; S.W. in the south of Fra[nce]. Moderate from the N.W. in Scotland, and fresh to strong from the same quarter on the eastern shores of the North Sea; W. in Nor[th] Germany; variable in Sweden.

WEATHER — Fair or fine over Western Europe as a whole, but dull and misty or foggy over the central parts of Ireland and England, also at Lerwick Head and Holyhead. Raining in the south of Sweden; dull in North Germany and also in Norway with rain at Christiansund. Since yesterday, moving rain has fallen at many of the Scandinavian stations and also in the southwest of France, with a thunderstorm at Biarritz last evening. Over our Islands the weather has remained very dry.

SEA — Slight or smooth generally, but moderate off the north of Scotland and the west of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is inclined to move eastwards, and the low pressure system over Scandinavia is apparently spreading out in a similar direction. Showers are probable on some parts of our northern coasts but over the United Kingdom generally the weather is likely to remain fair and dry for the present.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. to N. winds, fresh; fair at first, showery later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NE. to NW. winds, light; fair generally.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	NE. to N. winds, light; fair generally.
5	ENGLAND SOUTH	
6	SCOTLAND WEST	N. and NW. winds, light; fair generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NE. winds, light; fine generally.
9	IRELAND NORTH	Light breezes, chiefly W.; 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.	F.	WEA.	SEA.
Skudesnaes ...	30·11	54	51	NNW	6	0	2
Sumburgh Head							
Stornoway	30·29	56	52	S	1	6	1
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·29	60	58	NW	2	6	1
Belmullet	30·32	65	60	ENE	1	6	*
Holyhead							
Valencia							
Scilly							
Jersey	30·17	63	58	ENE	5	6	4
Hurst Castle ...							
Dungeness ...	30·24	57	56	ENE	4	0	3
North Foreland							
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29·99	75	66	ENE	4	0	*

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 4TH TO THE 10TH JUNE 1899.

At the beginning of this week pressure was rather high all over the British Islands and France, and shallow depressions were moving from northwest to southeast over the northern and central parts of Russia, their secondaries in the meantime just skirting the north of Scotland, where they caused a little rain. Over Ireland, England, and France readings were very uniform, and as the anticyclones followed one another the weather was fine and very warm (maxima 80° to 83° in many parts of England).

On Wednesday, however, a change occurred; a high pressure area of considerable size advanced over the northern parts of the Kingdom from the Atlantic, and as pressure gave way a little simultaneously over southern Europe and considerably over Russia temperature fell fast, and a definite NE? breeze set in over our Islands and France. The days became very cool in those regions instead of hot, and the nights cold for the time of year, but the dry weather extended to the most northern parts of the Kingdom, while less settled conditions prevailed over Central Europe. Later on thunderstorms were reported in the southwest of 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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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 13th June, 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 ...	29.91	46	NE	2	b	30.02	+ .27	49	42	+ 3	NE	4	b	5	b	*	54	39	—
	Hernösand ...	29.81	46	ENE	4	c	29.93	+ .29	50	42	+ 2	ENE	6	bc	*	c	*	50	41	0.04
	Stockholm ...	29.64	45	N	6	b	29.70	— .01	46	42	— 1	N	8	o	*	b	*	57	43	—
	Wisby	29.53	45	ESE	4	o	29.58	— .14	44	43	— 9	NNE	8	o	*	o	*	53	41	0.16
	Karlstad ...	29.67	48	NNE	2	r	29.87	+ .15	51	44	— 2	NNE	6	bc	*	r	*	*	*	0.35
	Bodö	29.98	48	N	4	b	30.11	+ .83	47	44	+ 1	N	2	c	1	b	*	52	41	—
	Christiansund ...	30.01	47	N	2	o	30.17	+ .38	48	45	+ 3	NE	3	c	3	o	*	48	45	0.20
	Skudesnaes ...	29.84	48	NNW	6	b	30.06	+ .88	55	47	+ 4	NE	2	b	1	qf,b	*	55	45	*
	Færder (Christiania Fjord)	29.70	52	NNE	6	bc	29.95	+ .23	55	45	— 4	N	7	b	3	bc	*	59	50	—
	Skagen (The Scaw)	29.66	51	NE	6	o	29.92	+ .16	51	46	— 6	NE	6	c	2	o	*	63	50	—
	Fanö	29.75	51	NW	8	o	29.91	— .07	51	47	— 2	NE	5	b	*	o	*	55	48	—
	Sumburgh Head	30.09	49	N	4	o	30.22	+ .20	50	46	o	ENE	1	c	3	o	*	54	43	—
	Stornoway ...	30.20	61	NW	3	c	30.23	+ .01	51	50	— 5	L	o	o	o	c	9.5	69	47	—
	Wick	30.15	60	NW	5	o	30.24	+ .11	51	48	— 8	SE	2	bc	1	o	*	65	44	—
	Nairn	30.15	70	W	1	b	30.24	+ .05	54	51	— 9	L	o	o	o	b	*	74	49	—
	Aberdeen ...	30.13	58	NW	5	bcq	30.24	+ .08	50	45	— 16	NNE	2	c	3	bq, bcq	12.7	74	46	—
British Isles.	Leith	30.07	70	L	o	c	30.23	+ .06	52	48	— 11	ENE	3	o	*	c	*	81	48	—
	Shields	30.09	64	E	1	bc	30.20	.00	49	46	— 8	NNE	3	o	3	b, bc	*	67	48	—
	Spurn Head ...	30.08	59	SSW	1	b	30.14	— .05	52	48	— 3	N	4	r	4	b, o	*	60	50	—
	York														*					
	Loughborough ...	30.07	77	NNE	2	b	30.16	— .05	55	50	+ 1	NNE	3	c	*	om, b, o, c	*	78	52	—
	Ardrossan ...																*			
	Malin Head ...	30.21	55	NW	4	om	30.18	— .06	59	58	+ 8	NE	2	b	1	bc, om, f	*	59	52	—
	Belmullet ...	30.25	57	NNE	3	o	30.25	— .02	60	58	+ 1	ENE	3	b	*	b, o	*	60	52	0.01
	Donaghadee ...	30.16	59	NNE	2	b	30.20	— .01	60	56	+ 9	E	2	b	2	b	*	60	54	—
	Liverpool (Bidston)	30.12	59	WNW	2	b	30.17	— .01	58	53	— 4	ENE	1	o	?	b, f	*	62	53	—
	Holyhead ...	30.16	54	N	2	bf	30.13	— .08	60	58	+ 8	NE	2	bm	1	f, b	*	60	51	—
	Parsonstown ...	30.15	69	NW	1	bc	30.17	— .07	55	54	— 3	N	1	o	*	bc	5.5	72	48	—
	Valencia ...	30.18	65	NNW	3	b	30.15	— .08	61	58	— 3	L	o	bc	2	bm, b	15.7	69	50	—
	Roche's Point ..	30.17	70	SW	2	b	30.14	— .08	63	59	— 2	N	2	b	2	b	*	71	56	—
	Pembroke (St. Ann's Hd.)	30.13	65	NE	4	b	30.10	— .09	63	61	o	NE	3	b	2	b	13.6	70	56	—
	Scilly	30.13	65	NNW	1	b	30.09	— .08	61	59	o	N	2	b	o	b	13.5	68	58	—
	Prawle Point ...	30.10	63	NW	2	b	30.07	— .12	66	60	— 11	NE	2	c	1	b	*	68	51	—
	Jersey (St. Aubin's)	30.07	68	NNE	2	b	30.05	— .11	64	57	+ 7	ENE	4	bm	3	b	*	70	52	—
	Hurst Castle ...	30.07	62	SW	3	b	30.08	— .11	60	56	— 1	NE	3	bm	1	bm	*	67	55	—
	Dungeness ...	30.06	54	E	3	f	30.06	— .11	56	54	+ 3	NNE	5	c	4	f	*	59	47	—
	North Foreland																*			
	London (Brixton) ...	30.04	72	NNE	3	b	30.13	— .07	55	49	— 3	NE	3	o	*	m, b	4.1	76	52	—
	Oxford	30.07	66	NNE	1	b	30.14	— .06	55	52	— 4	NE	3	o	*	b, c	*	77	52	—
	Cambridge ...														*					
	Yarmouth ...	30.06	60	NNE	2	b	30.08	— .09	53	48	— 1	NNE	5	c	4	b	*	60	49	—
Germany & Holland.	Cuxhaven ...	29.87	56	W	5	c	29.89	— .20	54	50	+ 2	N	6	bc	*	c	*	57	50	—
	Berlin														*		*			
	Wiesbaden ...	*	*	*	*	*	29.85	— .25	55	51	— 4	N	4	o	*	*	*	72	53	—
	Munich	29.98	61	L	o	b	29.81	— .31	61	53	+ 4	W	6	b	*	b	*	70	50	—
	The Helder ...	30.00	54	NW	1	b	29.96	— .17	54	50	— 6	N	4	bc	4	b	*	54	50	—
Belgium.	Brussels ...	*	*	*	*	*	29.99		50	48		N	5	o	*	b	*	63	43	0.04
	Cape Gris Nez ...	30.07	56	E	1	m	30.04	— .15	54	52	+ 2	NE	5	o	5	m	*	59	50	—
	Paris	30.01	72	N	3	b	30.01	— .11	54	50	— 2	N	3	b	*	b	*	77	50	—
	Brest	30.05	67	NE	2	b	30.04	— .07	59	57	+ 5	NNE	1	c	1	b	*	77	46	—
	Lorient	30.03	73	NE	2	b	30.02	— .06	59	55	+ 2	NE	2	c	2	b	*	77	54	—
France &	Rochefort ...	29.92	70	SW	3	b	29.90	— .13	64	59	+ 3	ENE	3	bc	*	b	*	95	57	—
	Belfort	29.89	72	N	1	m	29.85	— .19	58	54	+ 2	W	1	m	*	m	*	76	44	—
	Lyons	29.91	78	E	1	b	29.88	— .13	65	55	+ 1	N	2	b	*	b	*	82	60	—
	Nice	29.89	73	SW	2	b	29.80	— .14	67	61	— 2	SW	1	b	o	b	*	79	61	—
	Perpignan ...	29.93	75	NW	2	bc	29.89	— .08	68	64	— 3	L	o	b	*	bc	*	80	61	0.04
	Biarritz ...	29.99	64	W	5	o	29.88	— .09	62	60	— 3	WSW	5	r	4	o	*	66	59	0.43
Peninsula.	Corunna ...																*			
	Lisbon	30.15	64	WNW	4	b	30.09		64	59		WNW	3	c	*	b	*	73	62	—
	Azores (P. Delgada)	30.33	67	NNW	1	b	30.32	+ .02	70	65	+ 1	L	o	b	2	b	*	77	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 now recorded on the tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 14.2 *hrs;*

WEATHER CHARTS

FOR Tuesday, 13th June, 1899.

BAROMETER, WIND AND SEA.

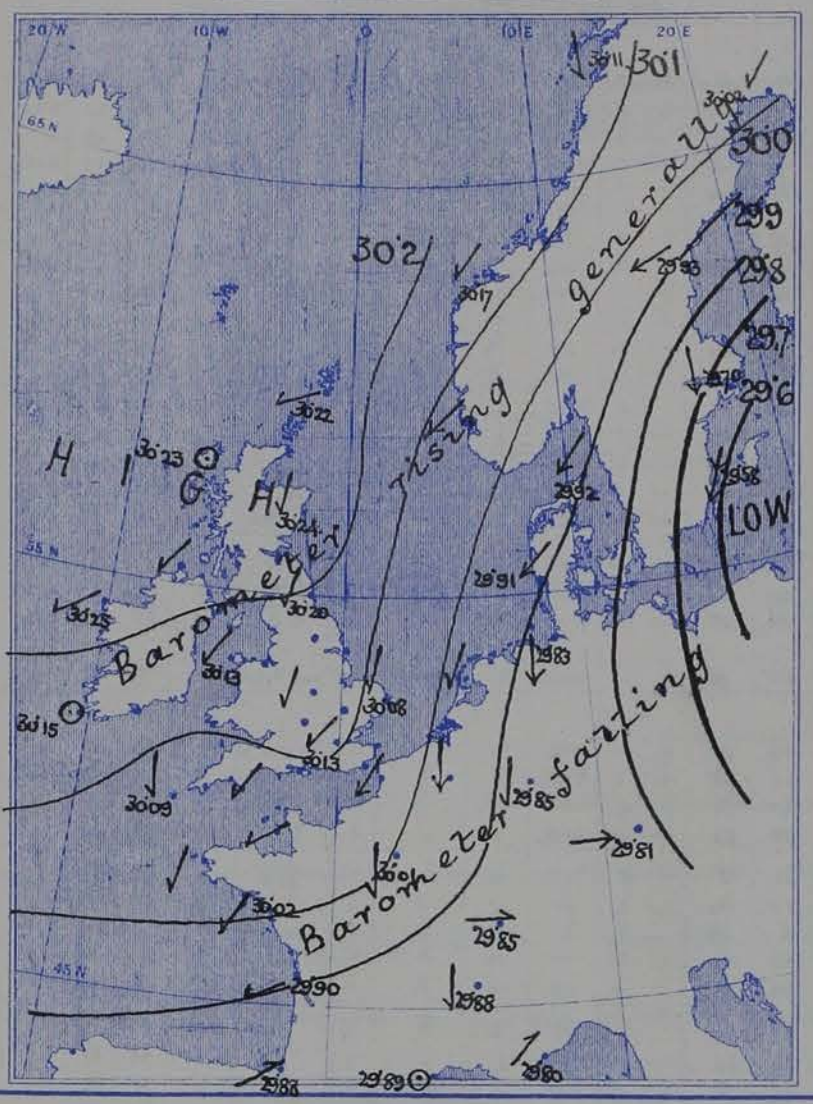
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟶ ;

SEA—*Rough* ; *High*

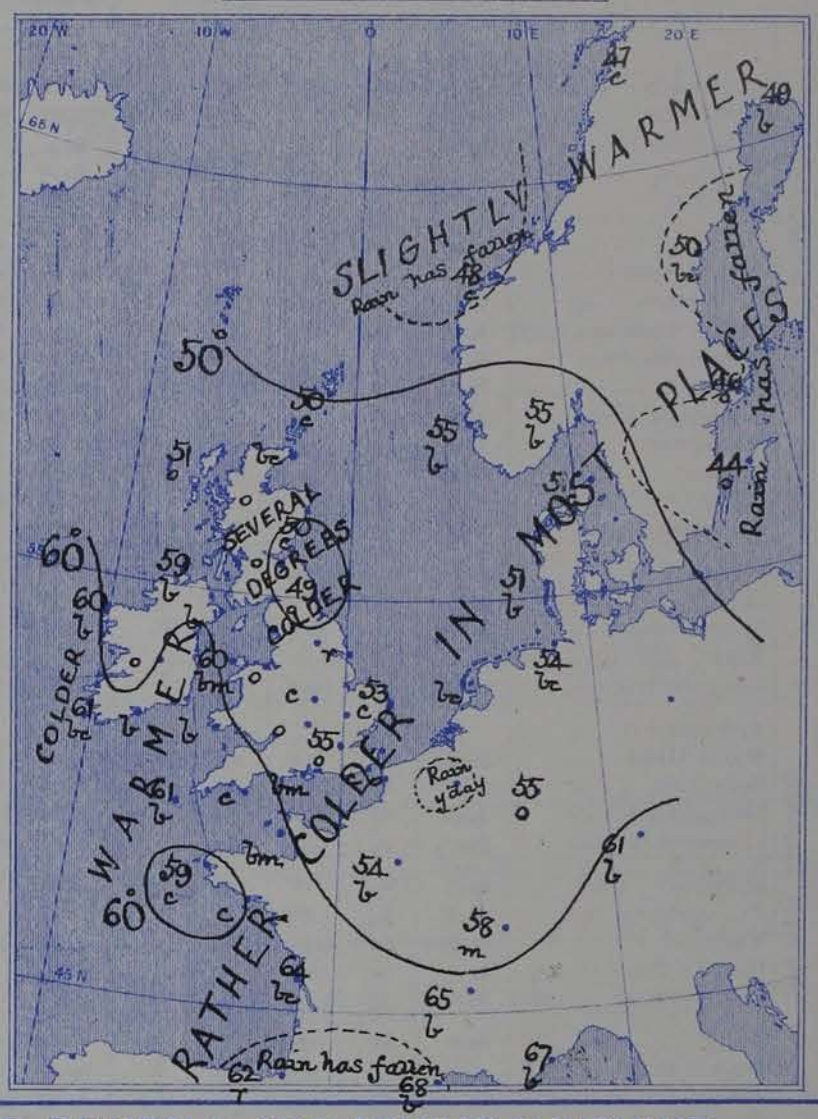


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.


20 W
10 W
0
10 E
20 E
65 N
45 N
WARMER
SLIGHTLY
Rain has fallen
PLACES
Rain has fallen
50°
60°
SEVERAL DEGREES COLDER
COLDER
WARMER
COLDER IN MOST
WARMER
COLDER
Rain has fallen
RATHER
Rain has fallen
Rain has fallen
Rain has fallen

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·2 ins. and upwards in Scotland and the N. of Ireland; 30·0 ins. and upwards in an anticyclone embracing the whole of our Islands, Norway, the North Sea and the N. of France
Lowest 29·6 ins. and less in a depression over the Baltic.
Gradients slight generally, but moderate to rather steep over the Baltic and the S. of Sweden.
Barometer rising at all but the French and German stations.

TEMPERATURE

Highest 68° at Perpignan, 67° at Nice, 66° at Prawle Pt. 65° at Lyons and 64° at Jersey and Rochefort
Lowest 44° at Wisby, 46° at Stockholm, 47° at Bodö and 48° at Christiansund; lowest in our Islands 49° at Sheilds, and 50° at Newburgh Lt. and Aberdeen.
During yesterday the thermometer rose to 75° and upwards in several parts of Gt. Britain and to 81° at Zeist.

WIND

NE. ¼ N. or N. ¼ E. over northwestern Europe generally, and strong in force over Sweden, Denmark and the south of Norway, with a gale at Stockholm and Wisby.
W. ¼ N. or SW. ¼ W. over south Germany and the extreme south of France.

WEATHER

Fair or fine over W.rn Europe as a whole, but cloudy or dull in many parts of Gt. Britain, with rain at Spurn Hd.
Dull also in the S. of Sweden and many parts of Germany; rainy at Biarritz.
Slight rain is reported to have fallen at Belmullet, but over the United Kingdom generally the weather has remained very dry. Rain has fallen at several of the Scandinavian stations and also at Brussels, and in the S. of France.

SEA

Slight or smooth generally, but moderate on our E. and SE. coasts, and rather rough at Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed yesterday over Scandinavia has moved S.wds, and in its rear the anticyclone is again spreading E.wds over northwestern Europe. No important change in the weather is likely to occur just at present.

FORECASTS

For the 24 hours ending at NOON on 14TH JUNE 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Light breezes chiefly E. ¼ N.; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N. ¼ E. to NE. ¼ E. winds, moderate or fresh, fair generally, but perhaps local showers.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	NE. ¼ E. winds, moderate; fair, cool.
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NE. ¼ E. winds, light, fine generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NE. ¼ E. winds, moderate; fine generally, cooler.
9	IRELAND NORTH	Same as Nos. 6 and 7.
10	IRELAND SOUTH	
	WARNINGS	None issued

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.85	52	51	NNW	6	of	2
Sumburgh Head	30.04	52	51	WNW	4	o	4
Stornoway	30.19	69	64	NW	3	c	3
Aberdeen	30.09	73	61	NW	5	bg	3
Shields	30.13	63	54	E	2	b	2
Ardrossan							
Malin Head ...	30.22	56	54	N	3	be	2
Belmullet	30.27	60	55	NNE	1	b	*
Holyhead	30.19	55	53	NNW	3	f	2
Valencia	30.21	68	63	NW	2	bm	2
Scilly	30.16	66	61	NNW	1	b	0
Jersey	30.13	68	59	NE	3	b	3
Hurst Castle ...	30.14	64	60	SW	2	bm	1
Dungeness ...	30.14	58	57	E	2	f	1
North Foreland	·						
London (Westminster)	30.11	74	63	N	2	e	*
Yarmouth ...	30.12	57	52	NNE	3	b	3
Rochefort ...	29.99	88	72	E	2	b	*

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

Weather in morning fair or fine over W^rn Europe as a whole, but dull and misty over the central parts of England, and foggy at Sumburgh Hd., Holyhead and Parsonstown. Rainy in the S. of Sweden and also at Christiansund, Swinemunde and Kiev; dull in most of the E^rn and central countries. Sky clearing later over the central parts of our Islands; no important change occurring elsewhere.

Temperature changed rather irregularly. Morning readings highest 78° at La Calle, 77° at Algiers, and 74° at Barcelona and Brindisi; above 65° in most parts of S^rn Europe; above 60° in many parts of our Islands, and touching 66° at Aberdeen. Lowest 40° at Archangel, 42° at Kuopio, 44° at Hango and Helsingfors. Rising during day to 75° and upwards in many parts of Gt. Britain, and to 81° at Leith. Exceeding 80° also at some stations in the S. of France.

Wind light from the N^rn in Ireland, and from the NE^rn in the south of England and the north of France; W^ly (SW. to NW) over the Spanish peninsula and the extreme south of France. Moderate from the NW^rn in the north of Scotland, and fresh to strong from the same quarter on the eastern shores of the North Sea; W^ly in Germany, SW^ly over the Baltic provinces and the Gulf of Finland, E^ly or SE^ly in Lapland. Calm or variable in Austria and the south of Russia, NE^ly over the northern parts of Italy and the Adriatic. No important change occurring later.

Barometer highest 30.2 ins. and upwards in an anticyclone lying over Ireland, the W. of Scotland and the N^rn and central parts of England and also in another system off the SW. of Spain. Lowest 29.7 ins. and less in two depressions,—one lying over the Gulfs of Bothnia and Finland and the other over the extreme S. of Russia. Depression over N^rn Europe subsequently moving S^rwds, and barometer rising again in Norway and Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday 14th June, 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 ...	30·09	53	Z	0	b	30·06	+ ·04	56	48	+ 7	Z	0	bc	#	b	#	61	41	—
	Hernösand ...	30·08	48	E	2	b	30·06	+ ·13	55	48	+ 5	N	2	b	#	b	#	55	43	—
	Stockholm ...	29·84	49	NNE	8	o	29·86	+ ·16	52	48	+ 6	NNE	6	o	#	o	#	52	41	—
	Wisby	29·66	45	NNE	6	r	29·73	+ ·15	44	43	0	N	6	o	#	r	#	45	37	0·16
	Karlstad ...	29·95	52	NNE	4	b	29·97	+ ·10	57	48	+ 6	NE	4	b	#	b	#	#	#	—
	Bodö	30·14	45	W	2	o	30·11	·00	46	43	— 1	W	4	o	2	o	#	48	43	—
	Christiansund ...	30·17	49	NE	2	b	30·06	— ·11	52	46	+ 4	W	2	b	2	b	#	52	43	—
	Skudesnaes ...	29·99	50	NNW	6	b	30·09	+ ·03	55	51	0	Z	0	b	0	b	#	57	45	#
	Færder (Christiania Fjord)	29·94	58	NNW	6	b	30·04	+ ·09	54	48	— 1	N	6	b	3	bc	#	59	52	—
	Skagen (The Scaw)	29·93	57	NE	2	b	29·99	+ ·07	54	50	+ 3	NE	4	b	1	b	#	63	50	—
	Fanö	29·97	51	NW	4	c	29·95	+ ·04	52	48	+ 1	NNE	4	b	#	c	#	64	46	—
	Sumburgh Head	30·16	50	NW	1	b	30·08	— ·14	51	50	+ 1	SSW	1	c	3	b	#	51	42	—
	Stornoway ...	30·15	60	S	1	b	30·07	— ·16	59	56	+ 8	S	2	bc	2	f, b	10·3	60	45	—
	Wick	30·17	53	SE	2	b	30·10	— ·14	60	57	+ 9	SE	1	b	0	b	#	60	42	—
	Nairn	30·17	58	E	2	b	30·11	— ·13	62	57	+ 8	Z	0	b	0	b	#	63	40	—
	Aberdeen ...	30·19	50	SE	2	b	30·13	— ·11	57	51	+ 7	ESE	1	b	1	bq, b	11·3	57	39	—
British Islands.	Leith	30·18	61	ENE	2	b	30·13	— ·10	59	53	+ 7	NE	1	b	#	b	#	60	43	—
	Shields	30·18	51	NNE	3	bc	30·13	— ·07	50	47	+ 1	NW	2	c	3	o, bc	#	54	42	—
	Spurn Head ...	30·15	51	N	4	c	30·11	— ·03	51	47	— 1	N	4	o	4	c	#	57	48	—
	York														#					
	Loughborough ...	30·16	57	NE	3	bc	30·14	— ·02	49	45	— 6	N	2	o	#	c, bc, b, o	#	60	39	—
	Ardrossan ...																#			
	Malin Head ...	30·15	60	E	1	bm	30·09	— ·09	65	61	+ 6	E	1	b	0	bm	#	65	55	—
	Belmullet ...	30·14	68	ENE	1	b	30·13	—?·07	59	57	— 1	ENE	1	b	#	b	#	68	52	—
	Donaghadee ...	30·16	61	ESE	3	b	30·13	— ·07	57	54	— 3	SSE	2	b	3	b	#	64	48	—
	Liverpool (Bidston)	30·13	63	ENE	3	c	30·12	— ·05	55	50	— 3	ESE	2	b	?	cm	#	64	48	—
	Holyhead ...	30·12	57	NE	3	b	30·11	— ·02	63	58	+ 3	NW	1	b	1	bm, b	#	63	51	—
	Parsonstown ...	30·11	72	SE	1	b	30·12	— ·05	60	54	+ 5	SW	1	b	#	b	8·8	72	43	—
	Valencia ...	30·12	64	NW	3	bc	30·09	— ·06	62	60	+ 1	Z	0	bcm	2	bc	10·8	68	52	—
	Roche's Point ..	30·12	69	S	2	b	30·11	— ·03	63	58	0	SE	3	bc	3	b	#	68	55	—
	Pembroke (St. Ann's Hd.)	30·10	65	NW	2	b	30·11	+ ·01	58	56	— 5	SSE	3	bm	2	b	13·6	68	53	—
	Scilly	30·09	64	NNE	3	bc	30·05	— ·04	59	58	— 2	SSE	1	m	0	b, bc	15·0	67	57	—
	Prawle Point ...	30·09	57	ENE	1	c	30·09	+ ·02	57	51	— 9	ENE	3	b	2	cq	#	67	47	—
	Jersey (St. Aubin's)	30·06	61	ENE	4	b	30·06	+ ·01	57	51	— 7	ENE	2	bc	3	bc, b	#	67	51	—
	Hurst Castle ...	30·09	67	SSW	1	bcm	30·09	+ ·01	55	50	— 5	NE	3	c	1	b, bcm	#	60	47	—
	Dungeness ...	30·06	56	NE	4	b	30·04	— ·02	55	51	+ 2	NE	4	c	3	r, b	#	58	40	—
	North Foreland																#			
	London (Brixton) ...	30·12	58	NE	2	bc	30·10	— ·03	51	46	— 4	NE	1	cq	#	c, b	2·7	62	45	—
	Oxford	30·13	52	ENE	2	bc	30·12	— ·02	49	45	— 6	NE	3	o	#	bc	#	62	41	—
	Cambridge ...														#					
	Yarmouth ...	30·11	57	NNE	4	bc	30·05	— ·03	52	48	— 1	NNE	4	c	4	b, bc	#	58	49	—
Germany & Holland.	Cuxhaven ...	29·92	58	NW	4	bc	29·87	+ ·04	54	50	0	N	5	b	#	bc	#	59	54	—
	Berlin	29·78	51	NW	4	r	29·69		47	46		WNW	4	r	#	r	#	59	46	0·35
	Wiesbaden ...	#	#	#	#	#	29·88	+ ·03	56	49	+ 1	N	4	bc	#	#	#	64	49	—
	Munich	29·88	55	SW	3	c	29·84	+ ·03	49	46	— 12	NE	3	o	#	c	#	68	45	—
	The Helder ...	30·03	53	N	3	b	29·98	+ ·02	54	49	0	N	3	? b	2	b	#	57	50	—
Belgium.	Brussels ...	#	#	#	#	#	30·01	+ ·02	51	46	+ 1	NNE	3	c	#	bc	#	62	42	—
	Cape Gris Nez ..	30·08	54	ENE	5	c	30·04	·00	53	49	— 1	ENE	4	o	4	c	#	57	48	—
	Paris	29·99	57	N	4	b	29·99	— ·02	52	48	— 2	NNE	3	bc	#	b	#	64	46	0·24
	Brest	30·02	72	N	1	b	30·05	+ ·01	54	52	— 5	ENE	1	b	1	b	#	77	45	—
	Lorient	30·00	62	NE	5	c	30·02	·00	52	52	— 7	NE	5	bc	4	c	#	77	48	—
France &	Rochefort ...	29·85	77	E	3	b	29·90	·00	54	50	— 10	NE	4	o	#	b	#	86	50	—
	Belfort	29·78	60	E	5	o	29·80	— ·05	52	48	— 6	E	3	o	#	o	#	75	47	—
	Lyons	29·74	72	N	2	b	29·76	— ·12	55	50	— 10	N	3	b	#	b, l	#	80	51	—
	Nice	29·60	72	NW	2	c	29·51	— ·29	64	60	— 3	E	6	b	2	c	#	79	57	—
	Perpignan ...	29·77	71	NW	4	bc	29·71	— ·18	69	60	+ 1	NW	4	b	#	bc	#	79	65	—
	Biarritz ...	29·88	66	WNW	4	c	29·83	— ·05	64	63	+ 2	W	5	o	4	c	#	66	61	0·08
Peninsula.	Corunna ...														#		#			
	Lisbon														#		#			
	Azores (P. Delgada)	30·30	68	W	2	b	30·25	— ·07	68	67	— 2	E	1	c	2	b	#	73	64	0·20

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 12·5 hrs;

WEATHER CHARTS

FOR Wednesday, 14th June, 1899.

BAROMETER, WIND AND SEA.

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

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

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶⟶ ; Force 1 to 4 ⟶ ; }

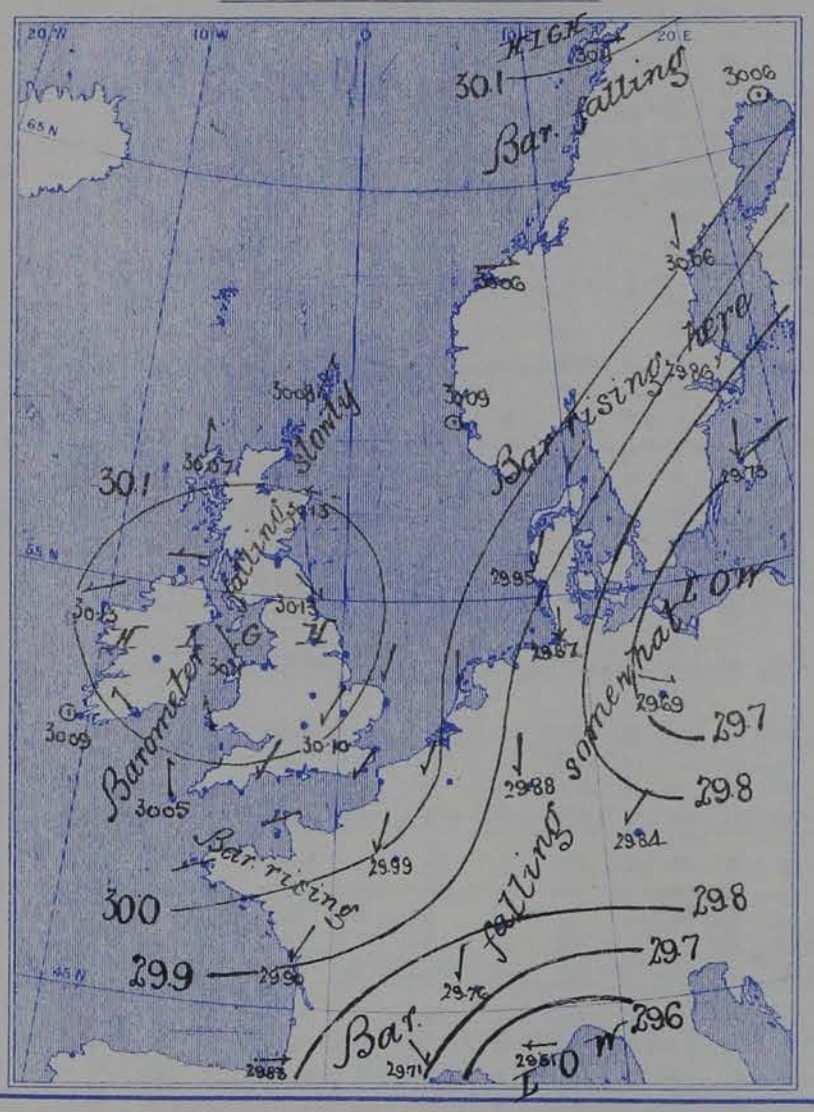
SEA—Rough ≡ ; High ▬

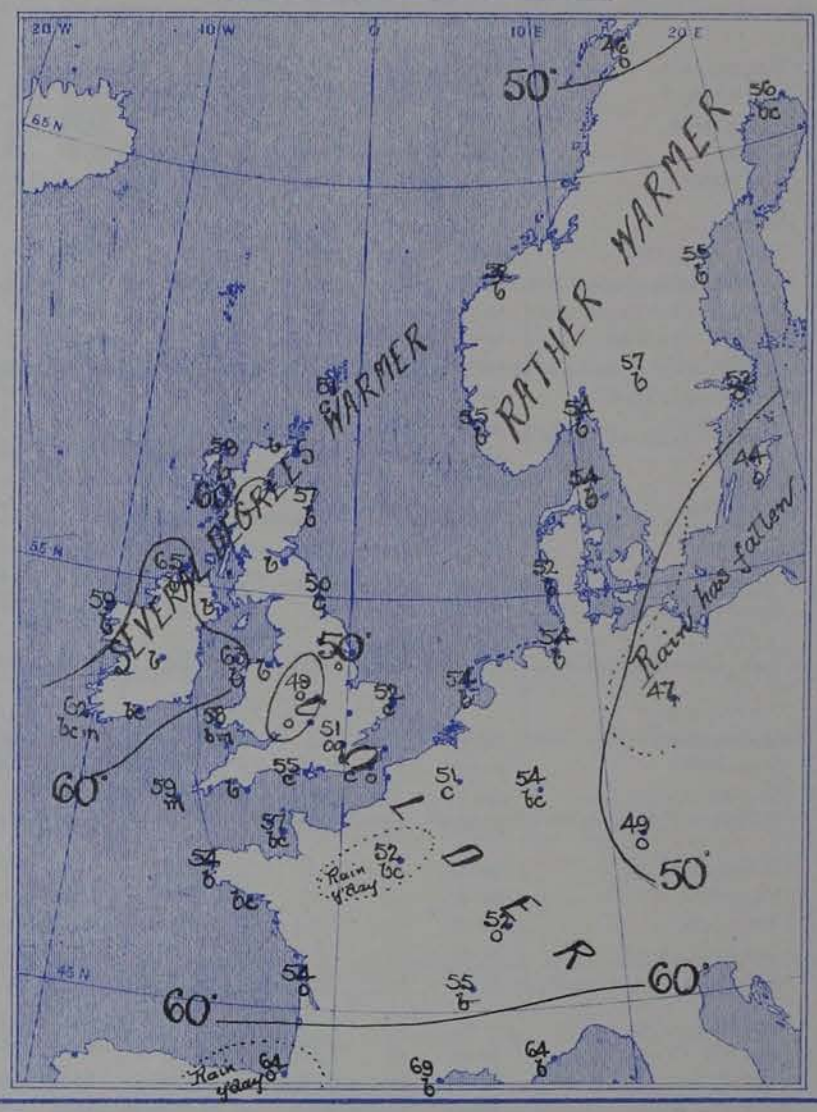
TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.





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

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	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62 3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·013	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52 0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51 0	81	1877, 88	40	1892	1·86	—	—

* 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 covering the greater part of our Islands, and also in another system over the N. of Norway.
Lowest 29.6 ins. and less in a depression over the Riviera and the Gulf of Genoa, and also in and disturbance over E.rn Germany and the Baltic.
Gradients slight generally, but moderate over the S.rn parts of Sweden and France.
Barometer falling in the W. and N. of our Islands and the N. of Scandinavia as well as in Germany, the S. of France, rising elsewhere.

TEMPERATURE

Highest (1) 69° at Perpignan, and 64° at Biarritz and Nice; (2) 65° at Malin Hd., 63° at Holyhead and Roche's Point, and 62° at Nairn and Valencia (Ireland).
Lowest (1) 46° at Wisby, and 47° at Berlin; (2) 46° at Bodo; (3) 49° at Loughborough & Oxford, & 50° at Shields.
The maxima registered yesterday were below 60° on several parts of our N.rn, E.rn and SE.rn coasts, and below 70° in all stations in our Islands excepting Parsonstown.

WIND

N.ly or NE.ly over the eastern, central and southern parts of England and the western parts of the Continent as a whole, light or moderate in force generally, but strong in the south of Sweden.
Light from the SE.rly on our western coasts, from the S.rly or SW.rly in the north of Scotland, and from the W.rly in the west of Norway.
W.ly or NW.ly at Biarritz and Perpignan, but strong from E. at Nice.

WEATHER

Fine over W.rn Europe generally, but cloudy or dull in the E.rn and central parts of England.
Dull also at some of the German and Baltic stations, with rain at Berlin.
No measurable quantity of rain fell yesterday in our Islands. Rain was measured, however, at Wisby, Berlin, Paris and Biarritz. Lightning was seen at Lyons in the evening.

SEA

Moderate on our E. and SE. coasts and in the Bay of Biscay, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any decided change in the weather, but an increase of temperature seems probable over England. Cyclonic systems may perhaps appear shortly off our extreme N. or NW. coasts.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S.ly and SW.ly winds, moderate; fine at first, cloudy later, probably some rain.	6 SCOTLAND WEST	Light variable airs, fine, warm.
1 SCOTLAND EAST	Light breezes, chiefly SE.ly; fine generally, warmer.	7 ENGLAND N.W.	
2 ENGLAND N.E.	N.ly to variable breezes, fair generally, becoming warmer.	8 ENGLAND S.W.	E.ly and SE.ly winds, light, fine generally, becoming warmer.
3 ENGLAND EAST	NE.ly winds, light; fair generally, becoming warmer.	9 IRELAND NORTH	E.ly and SE.ly winds, light; fine, warm.
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.	F.	WEA.	SEA.
Skudesnaes ...	30·04	57	49	NNW	6	b	1
Sumburgh Head	30·19	50	48	NW	2	b	3
Stornoway	30·19	56	54	S	2	f	2
Aberdeen	30·22	52	48	E	4	bq	4
Shields	30·22	52	47	NNE	2	o	3
Ardrossan							
Malin Head ...	30·18	62	59	E	2	b	1
Belmullet	30·17	67	62	NE	1	b	*
Holyhead	30·15	61	56	NE	3	bcm	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·14	67	61	NW	4	bc	4
Scilly	30·09	64	61	NNE	3	b	0
Jersey	30·08	64	58	E	5	bc	4
Hurst Castle ...	30·09	69	62	ENE	2	b	2
Dungeness ...	30·08	56	53	NE	4	r	4
North Foreland							
London (Westminster)	30·13	58	50	NE	4	c	*
Yarmouth ...	30·11	58	52	NNE	4	b	4
Rochefort ...	29·88	84	72	NNE	3	b	*

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

Weather in morning fair or fine over W^rn. Europe as a whole, but cloudy or dull in many parts of Gt. Britain with slight rain at Spurn H^d. Rainy over the Baltic provinces and many parts of Germany and Austria, dull over Russia generally and the S. of Sweden. Dull also over the Spanish peninsula and the S.W. of France, with rain at Biarritz. Sky clearing later over Gt. Britain; no important change occurring elsewhere, but lightning seen at Lyons in evening.

Temperature falls in our Islands and also in Denmark, Germany and the S. of Sweden, changed rather irregularly elsewhere. Morning readings highest 81° at Sfax, 78° at Barcelona and Algiers, and 75° at La Valle; above 70° at most of the Mediterranean stations. Lowest 44° at Wisby and Helsingfors, 45° at Hangö, and 46° at Stockholm; lowest in our Islands 49° at Shields. Remaining below 60° all day on several parts of our own N^rn., E^rn. and S.E^rn. coasts, and below 70° in most other parts of the United Kingdom. Exceeding 75° in France, and reaching 80° at Lyons.

Wind NE^ly or N^ly over northwestern and northern Europe as a whole and strong in force over Sweden, Denmark and the Baltic, with a gale at Stockholm and Wisby, W^ly or SW^ly over Austria and the southern parts of Germany and Russia. Variable in Italy; W^ly or SW^ly over the Spanish peninsula and the extreme south of France. S^ly airs appearing later in the north of Scotland, no decided change occurring elsewhere.

Barometer highest 30.2 ins. and upwards over Scotland and the N. of Ireland; 30.0 ins. and upwards in an anticyclone covering our Islands and the extreme W^rn. parts of the continent generally. Lowest 29.2 ins. and less in a well marked depression with its centre over the Baltic provinces. 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 5 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 15th June, 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 5.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.92	51	L	0	c	29.80	−.26	54	46	− 2	L	0	c	*	c	*	66	41	—
	Hernösand ...	29.94	55	L	0	b	29.88	−.18	63	52	+ 8	NW	6	bc	*	b	*	68	41	—
	Stockholm ...	29.88	55	N	4	b	29.91	+.05	61	52	+ 9	N	4	b	*	b	*	64	48	—
	Wisby	29.79	46	NNE	6	c	29.88	+.15	48	45	+ 4	NNE	4	b	*	c	*	52	41	0.04
	Karlstad ..	29.93	64	NNE	2	b	29.95	−.02	62	54	+ 5	N	2	b	*	b	*	*	*	—
	Bodö	29.97	46	L	0	0	29.87	−.14	45	44	− 1	SW	6	0	3	0	*	48	43	—
	Christiansund ...	30.03	54	NW	3	c	30.08	+.02	51	49	− 1	N	2	0	2	c	*	57	48	—
	Skudesnaes ...	30.05	52	NNW	4	b	30.03	−.06	56	51	+ 1	N	4	b	1	b	*	57	45	*
	Færder (Christiania Fjord)	29.95	60	W	2	b	29.97	−.07	60	54	+ 6	NNE	2	b	1	b	*	63	54	—
	Skagen (The Scaw)	29.97	56	NW	1	b	29.98	−.01	61	54	+ 7	NNE	1	b	0	b	*	68	52	—
	Fanö	30.04	52	NNE	4	b	30.02	+.07	55	53	+ 3	NE	2	b	*	b	*	75	48	—
	Sumburgh Head	30.06	60	W	1	c	30.08	.00	48	48	− 3	NE	1	f	3	c	*	62	43	—
	Stornoway ...	30.06	73	L	0	b	30.06	−.01	54	53	− 5	L	0	fw	0	b	15.4	75	49	—
	Wick	30.09	57	SE	1	b	30.07	−.03	60	57	0	SE	1	b	1	b	*	65	44	—
	Nairn	30.05	64	E	1	b	30.08	−.03	65	60	+ 3	L	0	b	1	b	*	73	47	—
	Aberdeen ...	30.11	57	SE	2	bc	30.10	−.03	68	58	+ 11	SE	2	b	1	b, bc	15.8	69	45	—
	Leith	30.09	60	E	2	b	30.12	−.01	59	59	0	NNE	1	b	*	b	*	65	43	—
	Shields	30.13	52	E	3	b	30.13	.00	49	47	− 1	SW	1	m	2	b	*	56	42	—
	Spurn Head ...	30.12	55	NNE	3	b	30.15	+.04	53	50	+ 2	SSE	1	b	2	b	*	56	45	—
	York														*					
	Loughborough ...	30.10	59	ENE	2	b	30.16	+.02	53	49	+ 4	L	0	bcw	*	c, bc, b, c	*	61	36	—
British Islands	Ardrossan ...																*			
	Malin Head ...	30.07	66	E	1	b	30.09	.00	58	57	− 7	W	4	mg	2	b	*	70	56	—
	Belmullet ...	30.07	62	N	1	b	30.10	−.03	61	57	+ 2	SSW	2	0	*	b	*	65	52	—
	Donaghadee ...	30.07	66	S	2	b	30.12	−.01	59	56	+ 2	ESE	1	b	2	b	*	68	52	—
	Liverpool (Bidston)	30.06	64	L	0	b	30.13	+.01	61	53	+ 6	ESE	2	b	?	bm	*	64	47	—
	Holyhead ...	30.07	59	N	1	b	30.12	+.01	59	56	− 4	SW	3	cm	2	bcm, b	*	64	52	—
	Parsonstown ...	30.03	76	SE	1	bc	30.12	.00	60	57	0	SW	1	0	*	bc	12.0	77	53	—
	Valencia ...	30.09	60	W	3	0	30.13	+.04	62	59	0	L	0	bm	2	cm, 0	7.0	65	57	—
	Roche's Point ..	30.09	65	SW	2	b	30.13	+.02	59	56	− 4	N	2	b	2	b	*	67	55	—
	Pembroke (St. Ann's Hd.)	30.10	62	NW	3	b	30.13	+.02	57	56	− 1	ESE	3	bm	2	b	14.0	63	52	—
	Scilly	30.08	61	SSW	2	bc	30.11	+.06	60	57	+ 1	SSW	1	cm	0	m, bc	6.4	65	56	—
	Prawle Point ...	30.08	53	ESE	2	bc	30.15	+.06	57	53	0	ENE	3	b	2	bc	*	59	46	—
	Jersey (St. Aubin's)	30.05	57	NNW	3	bm	30.14	+.08	59	54	+ 2	E	2	bm	2	c, bm	*	61	51	—
	Hurst Castle ...	30.07	60	NE	2	bcm	30.14	+.05	59	54	+ 4	L	0	bm	0	bcm	*	63	44	—
	Dungeness ...	30.04	55	ENE	4	bc	30.10	+.06	59	56	+ 1	NNE	3	b	2	c, bc	*	60	43	—
	North Foreland														*					
	London (Brixton) ...	30.07	60	NE	2	c	30.15	+.05	57	50	+ 6	ENE	1	b	*	0, c, b	2.8	60	43	—
	Oxford	30.10	52	ENE	2	b	30.16	+.04	57	52	+ 8	NE	1	bc	*	0, b	*	61	40	—
	Cambridge ...														*					
	Yarmouth ...	30.07	58	N	4	b	30.12	+.07	58	54	+ 6	NNE	3	b	3	bc, b	*	58	46	—
Germany & Holland	Cuxhaven ...	29.90	63	NNE	3	b	29.97	+.10	58	55	+ 4	NNW	2	b	*	b	*	64	54	—
	Berlin	29.79	52	NW	4	r	29.79	+.10	53	52	+ 6	NW	3	0	*	r	*	54	47	0.39
	Wiesbaden ...	*	*	*	*	*	29.96	+.08	58	53	+ 2	NNE	4	c	*	*	*	63	54	—
	Munich	29.90	49	SW	3	c	29.88	+.04	49	47	0	NW	6	r	*	c	*	57	46	†3.58
	The Helder ...	30.00	56	NNW	2	b	30.04	+.06	57	52	+ 5	N	2	b	2	b	*	59	52	—
Belgium.	Brussels ...	*	*	*	*	*	30.06	+.05	57	53	+ 6	NW	2	b	*	b	*	64	47	—
	Cape Gris Nez ..	30.06	52	ENE	4	c	30.10	+.06	56	53	+ 3	NE	4	c	4	c	*	59	48	—
	Paris	29.97	60	NNE	3	bc	30.07	+.08	50	48	− 2	N	2	m	*	bc	*	62	46	—
	Brest ...	30.03	61	NE	2	b	30.12	+.07	52	50	− 2	NE	1	b	1	b	*	72	43	—
	Lorient	30.01	62	NNE	4	c	30.08	+.06	51	49	− 1	E	4	b	2	c	*	77	48	—
France &	Rochefort ...	29.88	70	NE	3	b	30.00	+.10	54	50	0	NE	4	b	*	b	*	79	50	—
	Belfort	29.80	57	ENE	6	bc	29.92	+.12	53	48	+ 1	ENE	4	c	*	bc	*	65	44	—
	Lyons ...	29.76	62	N	3	b	29.91	+.15	53	46	− 2	NNW	1	b	*	b, L	*	68	47	—
	Nice	29.60	59	E	2	r	29.78	+.27	62	58	− 2	L	0	c	2	r	*	73	54	0.24
	Perpignan ...	29.69	72	N	3	0	29.86	+.15	62	54	− 7	NW	3	b	*	0	*	78	59	—
	Biarritz ...	29.90	64	WNW	4	bc	29.92	+.09	60	55	− 4	NE	3	c	2	bc	*	68	54	—
Peninsula.	Corunna ...														*					
	Lisbon ...	29.93	66	WSW	2	b	29.91	−.04	67	60	+ 1	N	4	b	*	b	*	73	63	—
	Azores (P. Delgada)	30.25	68	W	2	c	30.23	−.02	70	64	+ 2	N	1	c	2	c	*	72	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 now recorded on the tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 13.7 *hrs;*

WEATHER CHARTS

FOR Thursday, 15th June, 1899.

BAROMETER, WIND AND SEA.

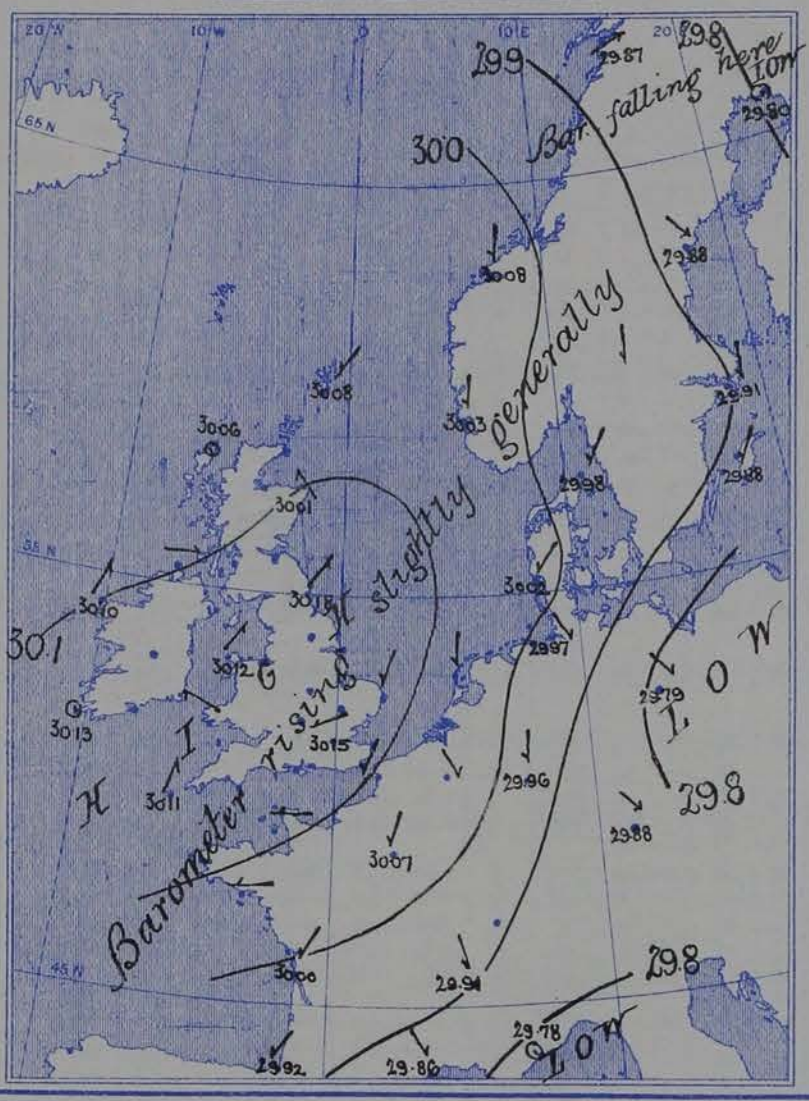
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

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

SEA—Rough ▤ ; *High* ▦

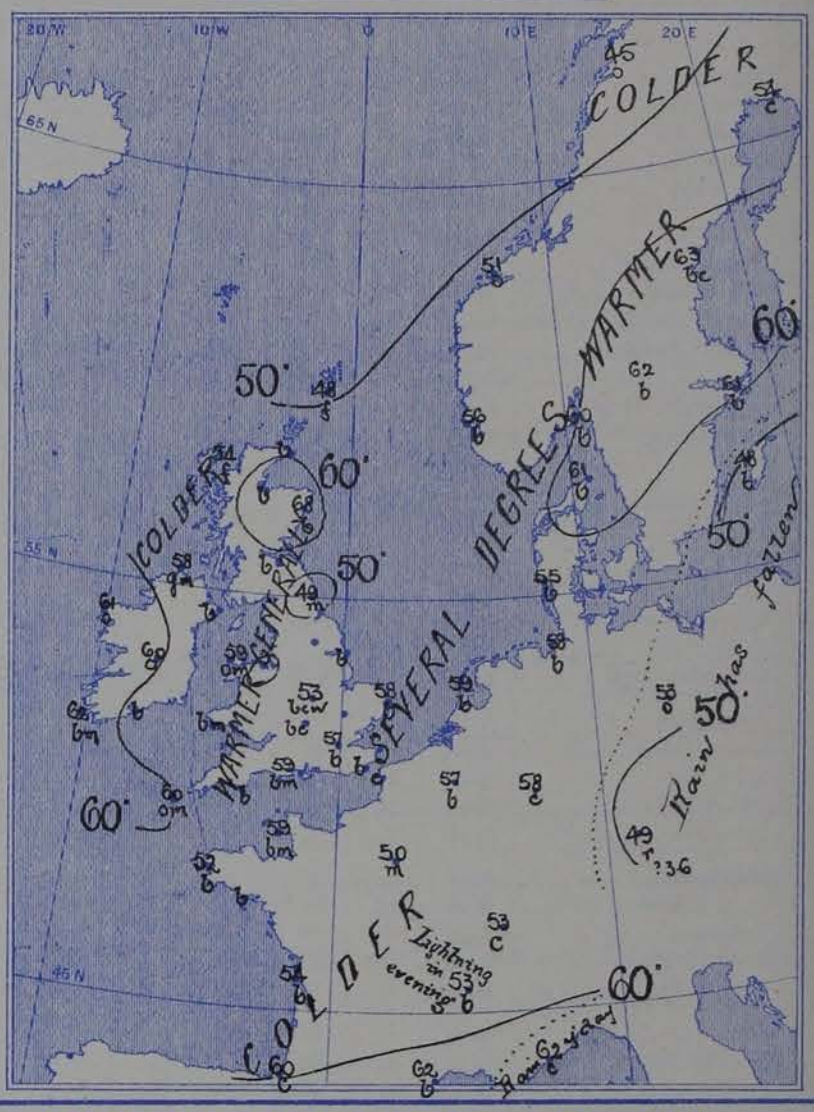


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 019	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 · 0	81	1877, 88	40	1892	1 · 86	—	—

* 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 covering the whole of Ireland, England and [illegible] S. and E. of Scotland.
Lowest 29·8 ins. and less in the extreme S. of France, and also over E^rn. Germany, & apparently over Poland.
Gradients slight. Barometer rising a little generally, but falling in the N. of Scandinavia.

TEMPERATURE — Highest (1) 68° at Aberdeen, and 65° at Nairn; (2) 63° at Hernösand and 62° at Karlstad; (3) 62° at Nice & Perpignan.
Lowest (1) 45° at Bodø, and 48° at Wisby; (2) 48° at Eyemburgh Hd., and 49° at Shields; (3) 49° at Munich, and 50° at Paris.
During yesterday the thermometer rose to 70° and upwards in several parts of Ireland and the N. of Scotland, to 75° at Stornoway, and to 77° at Parsonstown. On the E. coasts of England it did not reach 60°. At Loughborough the thermometer on the grass fell last night to 30°.

WIND — Light from the NE^wd. over the south of England and the greater part of France; rather variable on our western and northern coasts, but chiefly S^ly.
N^ly. in Scandinavia and Denmark; NW^ly. in Germany.

WEATHER — Fine over W^rn. Europe as a whole, but foggy in the Shetlands and Hebrides, and dull in the W. of Norway. Cloudy or dull also in Germany, with rain at Munich.
Rain fell yesterday in Germany (at Munich the amount is reported to have been as large as 3·6 ins.) and also at Wisby and Nice. In our Islands the weather has remained very dry.
Lightning was seen last evening at Lyons.

SEA — Smooth on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

For the 24 hours ending at NOON on 16TH JUNE 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Light variable airs; cloudy, some fog or mist.
1	SCOTLAND EAST	Variable or S^ly. airs; fine, warm.
2	ENGLAND N.E.	
3	ENGLAND EAST	Light breezes, chiefly NE^ly.; fine generally, warmer.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 1 and 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E^ly. or SE^ly. winds light; fine generally, warmer.
9	IRELAND NORTH	Same as Nos. 1 and 2.
10	IRELAND SOUTH	
	WARNINGS	None issued

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·10	57	52	NW	4	b	1	Valencia	30·09	64	61	W	2	cm	4
Sumburgh Head	30·07	60	56	WSW	1	c	3	Scilly	30·07	64	59	SSE	3	m	0
Stornoway	30·06	75	68	E	1	b	1	Jersey	30·06	60	54	N	3	c	3
Aberdeen	30·13	61	59	SSE	2	b	2	Hurst Castle ...	30·08	62	55	E	2	bcm	2
Shields	30·15	55	50	NE	2	b	3	Dungeness ...	30·04	57	53	ENE	4	c	4
Ardrossan								North Foreland							
Malin Head ...	30·09	69	63	E	1	b	0	London (Westminster)	30·09	57	50	NE	2	0	*
Belmullet	30·10	64	59	NNW	1	b	*	Yarmouth ...	30·07	57	51	NNE	4	bc	4
Holyhead	30·10	63	58	N	2	bc	1	Rochefort ...	29·88	73	61	NE	4	bc	*

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

Weather in morning fine over W^rn and N^rn Europe generally, but cloudy or dull in the E^rn and central parts of England. Dull also over Germany, W^rn Russia and the Baltic, with rain in several places, fine in Austria, but dull in Italy, with rain at Pesaro. Sky clearing later over England, but rain continuing to fall in Germany, and amount very large (3.6 ins) at Munich.

Temperature risen in Scotland and the N^rn and E^rn parts of the Continent, but fallen elsewhere. Morning readings highest 78° at Algiers, 77° at Sfax, and 76° at Barcelona; above 70° at several of the Mediterranean stations, and above 60° in many parts of Ireland and Scotland. Daily maxima below 60° on the E and S E. coasts of England, but thermometer exceeding 70° in some parts of Ireland and the N. of Scotland, and reaching 77° at Parsonstown; exceeding 75° also in the W. and S. of France. Ground frost occurring over central England at night.

Wind light to moderate from the N^rn and over the central and southern parts of England, and the north of France; light from the S E^rn on our western coasts, and from the S^th in the north of Scotland. N^rly or N E^rly over northern Europe generally, and strong in force at the Baltic stations; N W^rly over south Germany and Austria; S^rly over the central and southern parts of Russia. Rather variable in Italy, but W^rly or N W^rly over the Spanish Peninsula and the extreme south of France.

Barometer highest 30.1 ins. and upwards in an anticyclone covering the greater part of our Islands, and also in another system over the extreme N^rn parts of Russia and Scandinavia. Lowest 29.4 ins. and less in a depression over the Baltic Provinces; 29.5 ins. and less in another disturbance off the extreme S of France. 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.

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 16th June, 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 ...	29.80	56	S	2	c	29.95	+ .15	57	46	+ 3	NW	2	bc	*	c	*	61	50	—
	Hernösand ...	30.03	58	N	4	b	30.12	+ .24	54	46	— 9	2	0	b	*	b	*	72	39	—
	Stockholm ...	30.04	60	2	0	0	30.14	+ .23	63	53	+ 2	ESE	4	b	*	0	*	73	45	—
	Wisby	30.05	50	SSW	4	b	30.13	+ .25	54	50	+ 6	SSW	4	b	*	b	*	55	39	—
	Karlstad ...	29.97	68	WSW	2	b	30.08	+ .13	61	55	— 1	S	2	bc	*	b	*	*	*	—
	Bodö	30.05	45	W	4	0	30.02	+ .15	46	44	+ 1	SW	4	0	3	0	*	46	41	0.16
	Christiansund ...	30.13	52	NNE	1	b	30.09	+ .01	51	49	0	2	0	r	1	b	*	54	45	—
	Skudesnaes ...	30.05	56	N	5	b	30.08	+ .05	57	53	+ 1	NNW	4	b	1	b	*	65	48	*
	Færder (Christiania Fjord)	29.96	62	SW	2	b	30.07	+ .10	60	56	0	NE	1	b	0	b	*	64	55	—
	Skagen (The Scaw)	30.02	62	WNW	1	b	30.08	+ .10	65	55	+ 4	WNW	1	b	0	b	*	72	55	—
	Fanö	30.04	57	NW	2	b	30.08	+ .06	60	55	+ 5	SSE	2	b	*	b	*	68	50	—
British Islands.	Sumburgh Head	30.08	49	NE	1	f	30.07	— .01	53	53	+ 5	W	2	o	3	af	*	53	46	—
	Stornoway ...	30.05	66	WNW	3	b	30.13	+ .07	57	54	+ 3	NW	3	o	3	b	11.0	74	51	—
	Wick	30.04	70	NW	2	b	30.13	+ .06	61	58	+ 1	N	3	o	1	b. f	*	71	48	—
	Nairn	30.01	66	W	1	c	30.14	+ .06	61	56	— 4	2	0	c	0	c	*	78	48	—
	Aberdeen ...	30.09	68	S	2	b	30.15	+ .05	57	54	— 11	E	1	bc	1	b	16.0	72	49	—
	Leith	30.07	62	E	1	b	30.11	— .01	61	55	+ 2	WNW	1	bm	*	b	*	68	50	—
	Shields	30.13	54	E	2	bm	30.11	— .02	59	53	+ 10	SW	1	m	2	bm. bm	*	59	46	—
	Spurn Head ...	30.12	54	E	3	b	30.11	— .04	58	53	+ 5	N	4	b	3	b	*	58	48	—
	York														*					
	Loughborough ...	30.09	72	ESE	1	b	30.12	— .04	60	52	+ 7	NE	1	bm	*	bc. b. bm	*	75	41	—
	Ardrossan ...																*			
	Malin Head ...	30.12	61	N	1	b	30.12	+ .03	58	56	0	ESE	1	cm	1	bc. b	*	62	55	—
	Belmullet ...	30.18	63	WSW	2	bc	30.17	+ .07	59	55	— 2	NNW	1	b	*	b. bc	*	68	52	—
	Donaghadee ...	30.10	69	S	2	b	30.15	+ .03	57	55	— 2	NW	2	b	2	b	*	70	53	—
	Liverpool (Bidston)	30.10	61	WNW	1	b	30.12	— .01	59	56	— 2	W	1	b	1	bm	*	68	54	—
	Holyhead ...	30.12	59	SW	1	b	30.12	.00	58	57	— 1	2	0	f	0	m. b	*	63	51	—
	Parsonstown ...	30.10	70	W	1	b	30.15	+ .03	59	57	— 1	NE	1	0	*	b	47	74	54	—
	Valencia ...	30.16	64	WNW	2	bm	30.17	+ .04	61	56	— 1	NNW	3	c	3	bm	13.0	65	57	—
	Roche's Point ...	30.13	69	SSW	3	bc	30.14	+ .01	63	58	+ 4	N	4	b	3	bc	*	70	56	—
	Pembroke (St. Ann's Hd.)	30.12	60	ESE	3	b	30.14	+ .01	58	58	+ 1	NW	2	f	2	b	11.7	60	50	—
	Scilly	30.15	61	SSW	1	bm	30.16	+ .05	62	59	+ 2	WSW	1	bw	0	bm. bm	1.2	66	56	—
	Prawle Point ...	30.14	58	ENE	1	b	30.09	— .06	62	57	+ 5	ESE	1	b	1	b	*	65	51	—
	Jersey (St. Aubin's)	30.11	63	NNW	3	bm	30.09	— .05	65	57	+ 6	NW	3	bm	3	bm	*	66	52	—
	Hurst Castle ...	30.10	63	WSW	3	bc	30.08	— .06	64	58	+ 5	2	0	bm	0	b. bc	*	66	49	—
	Dungeness ...	30.09	59	E	3	c	30.07	— .03	60	57	+ 1	E	2	bc	2	b. c	*	64	44	—
	North Foreland																*			
	London (Brixton) ...	30.09	70	NE	2	b	30.10	— .05	61	55	+ 4	NE	2	b	*	b	14.3	73	45	—
	Oxford	30.10	64	ENE	1	b	30.11	— .05	60	51	+ 3	NNE	3	b	*	bm. b	*	72	46	—
	Cambridge ...														*					
	Yarmouth ...	30.10	59	NNE	3	b	30.08	— .04	56	54	— 2	NNE	3	c	3	b	*	60	44	—
Germany & Holland.	Cuxhaven ...	29.97	61	NW	4	b	30.05	+ .08	55	53	— 3	ESE	3	c	*	b	*	63	50	—
	Berlin	29.91	55	NNE	2	c	30.01	+ .22	57	54	+ 4	NE	3	bc	*	c	*	57	53	0.12
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	29.93	49	W	5	r	29.94	+ .06	49	49	0	W	3	r	*		*	54	46	2.01
	The Helder ...	30.08	54	NNW	2	b	30.04	.00	54	53	— 5	NNW	2	bc	1	b	*	61	52	—
Belgium.	Brussels ...	*	*	*	*	*	30.04	— .02	55	52	— 2	NW	2	b	*	b	*	70	42	—
	Cape Gris Nez ...	30.10	57	E	3	b	30.04	— .06	54	52	— 2	E	3	b	2	b	*	63	48	—
	Paris	30.01	68	N	3	b	30.06	— .01	54	49	+ 4	NNE	2	b	*	b	*	71	48	—
	Brest	30.12	64	NNE	1	b	?	?	55	54	+ 3	NNE	1	b	0	b	*	70	45	—
	Lorient ...	30.09	63	NW	4	bc	30.11	+ .03	56	50	+ 5	NE	1	b	2	bc	*	75	48	—
France &	Rochefort ...	29.96	72	NE	3	c	30.00	.00	58	55	+ 4	NE	3	bc	*	c	*	79	50	—
	Belfort	29.93	59	NE	3	0	29.93	+ .01	48	?	— 5	S	1	m	*	0	*	65	46	0.04
	Lyons	29.88	68	NNW	2	bc	29.91	+ .01	60	53	+ 7	N	2	c	*	bc	*	74	53	—
	Nice	29.82	65	SW	2	b	29.85	+ .07	62	56	0	E	1	c	1	b	*	70	54	—
	Perpignan ...	29.88	69	NW	3	0	29.90	+ .04	68	56	+ 6	NW	3	0	*	0	*	75	61	—
	Biarritz ...	29.96	65	NNW	3	0	29.98	+ .06	62	59	0	WSW	4	b	2	0	*	68	59	—
Peninsula.	Corunna ...																*			
	Lisbon	29.97	62	N	4	b	30.00	+ .09	65	59	— 2	NNW	4	b	*	b	*	73	61	—
	Azores (P. Delgada)	30.25	66	N	4	c	30.22	— .01	66	64	— 4	NE	3	c	2	c	*	73	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 now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 13.5 hrs;

WEATHER CHARTS

FOR Friday, 16th June, 1899.

BAROMETER, WIND AND SEA.

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

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

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

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

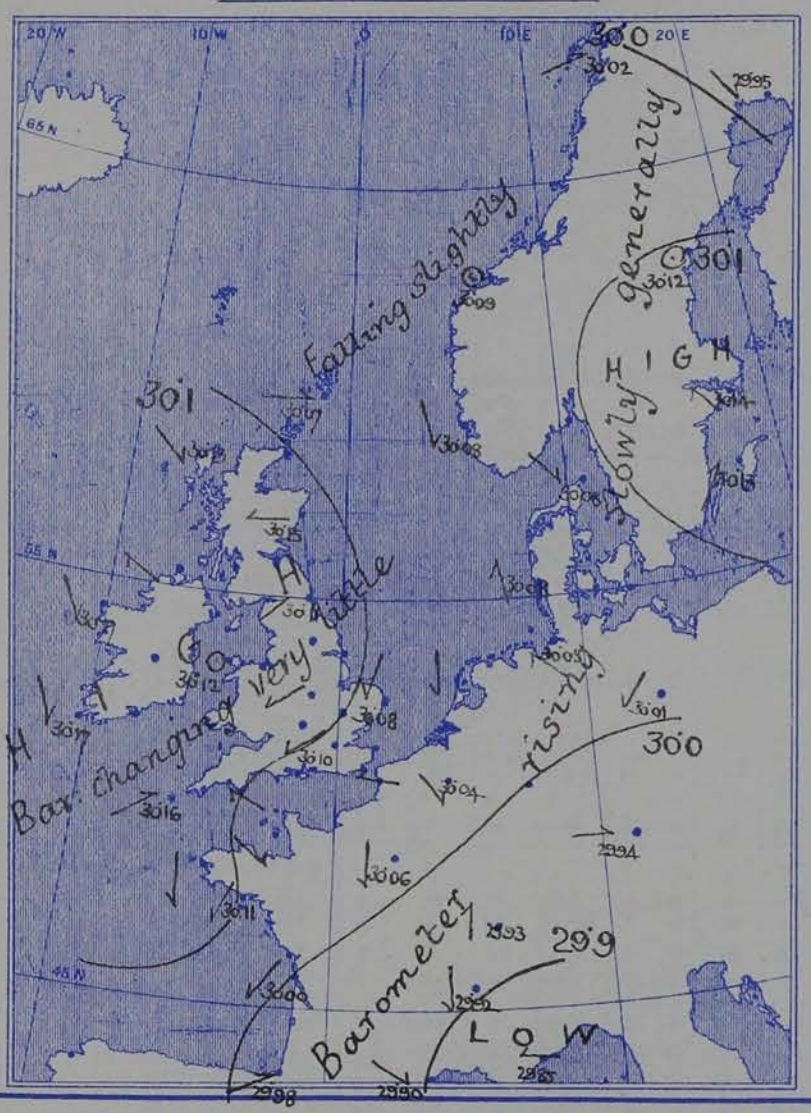
SEA—Rough ▤ ; *High* ▦

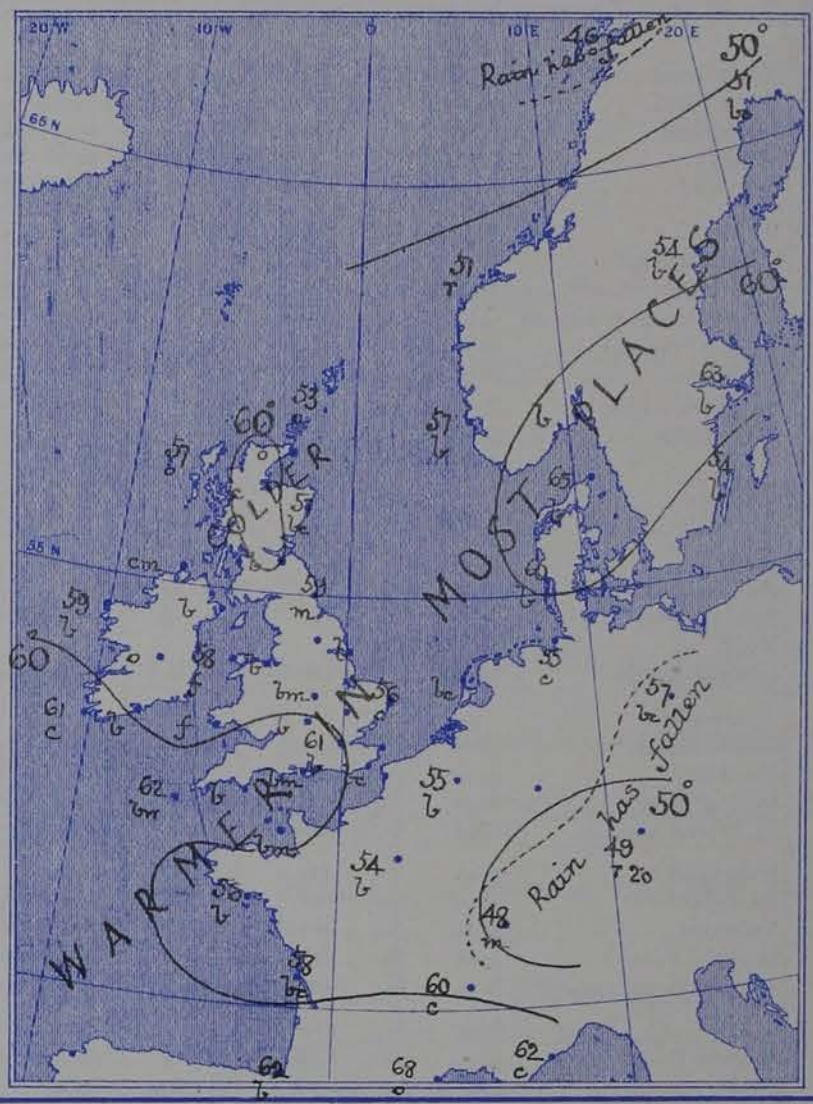
TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—{ *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus*—0·6.





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

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 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 · 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 019	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 · 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 · 0	81	1877, 88	40	1892	1 · 86	—	—

* 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 nearly the whole of our Islands a also in another system over the Gulf of Bothnia and the Nth. parts of the Baltic.
Lowest 29.9 ins. and less in a shallow depression over the S. of France.
Gradients slight. Barometer rather unsteady over England and Ireland, falling a little the W of Norway, rising elsewhere.

TEMPERATURE

Highest (1) 68° at Perpignan; (2) 65° at Jersey and 64° at Hurst Castle; (3) 65° at Skagen, and 6[illegible] at Stockholm; (4) 61° at Wick, Nairn and Leith.
Lowest (1) 46° at Bodø and 51° at Christiansund; (2) 48° at Belfort and 49° at Munich, lowest our Islands 53° at Sunburgh Hd., and 56° at Yarmouth.
During yesterday the thermometer rose to 70° and upwards in many parts of the United Kingdom to 75° at Loughborough, and to 78° at Nairn.

WIND

Light from the Nwd (NE to NW) over western Europe as a whole.
S. or SE. in Denmark and the south of Sweden; W. or NW in the north of Scandinavia.

WEATHER

Fine over Wn Europe generally, but dull in the N. of Scotland and the W. of Norway, with rain at times.
Rain still falling at Munich, the amount for the past 24 hrs. being 2.01 ins. and for the past 48 hrs. at Christiansund less than 5.59 ins.
Over our Islands there has again been an entire absence of rain.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Owing to the formation of a second anticyclone over Nth. Europe, the distribution of pressure is becoming somewhat less regular than of late. There are, however, at present no distinct indications of any important change in the weather over our Islands.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. to W. winds, light; cloudy, slight rain locally.
1	SCOTLAND EAST	Light variable airs, fair, warm.
2	ENGLAND N.E.	
3	ENGLAND EAST	N. and NE. winds, light; fair generally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos. 1 and 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Light breezes, chiefly N.; fair generally.
9	IRELAND NORTH	N. and NW. winds, light; fine 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.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·05	45	57	N	6	b	2	Valencia	30·15	63	59	W	3	bm	3
Sumburgh Head	30·10	52	52	NE	1	o	3	Scilly	30·15	65	59	SE	1	bm	0
Stornoway	30·03	74	63	WSW	2	b	2	Jersey	30·14	64	56	NNW	2	b	2
Aberdeen	30·11	71	54	S	2	b	1	Hurst Castle ...	30·13	65	58	SW	3	b	2
Shields	30·14	56	53	ESE	1	bcm	2	Dungeness ...	30·11	63	59	ENE	3	b	2
Ardrossan								North Foreland							
Malin Head ...	30·12	62	59	W	2	bc	1	London (Westminster)	30·11	70	58	NE	2	bc	*
Belmullet	30·14	68	60	WSW	1	b	*	Yarmouth ...	30·13	60	55	NNE	4	b	3
Holyhead	30·14	69	58	SW	3	m	2	Rochefort ...	29·78	74	63	ENE	3	c	*

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

Weather in morning fine over W^rn and N^rn Europe generally, but dull in the W. of Norway, and foggy in the Shetlands and Hebrides. Cloudy or dull over the central and S^rn countries, with heavy rain in S Germany. No important change occurring during day.

Temperature rises in most countries, but falls in France, and also on our own eastern N. and NW. coasts. Morning readings highest 83° at Brindisi, 76° at Algiers, and 75° at Palermo and Sfax; above 65° at most of the Mediterranean stations, and also in the N^E. of Scotland. Lowest (1) 45° at Bodo and 48° at Wisby; (2) 48° at Sumburgh H., and 49° at Shields; (3) 49° at Munich, and 50° at Paris. Rising during day to between 70° and 75° in many parts of our Islands and France, to 78° at Nairn, and to 79° at Rochefort.

Wind light to moderate from the N^rd or NE^rd over the south of England and the western parts of the Continent generally; rather variable, but chiefly S^th, in the west and north of our Islands. W^th or SW^th over eastern Germany and Austria; S^th or SE^th in the south of Russia; variable over northern Russia. N^th or NW^th at most of the Italian stations; variable in the south of France. No decided change occurring over western Europe later.

Barometer highest 30·1 ins. and upwards in an anticyclone covering the whole of Ireland, England and the N. of France; 30·0 ins. and upwards in another system over central Russia. Lowest 29·8 ins. and less in three shallow depressions, one lying over the N. of Scandinavia, another over E^rn Germany and the NW. of Russia, and the third over Austria, Italy and the SE. of France. No decided change reported later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Saturday 17th June 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 ...	29.98	48	SW	0	c	30.06	+.11	59	48	+2	N	2	bc	*	c	*	59	43	-
	Hernösand ...	30.06	49	SW	0	b	30.08	-.04	51	48	-3	N	4	0	*	b	*	59	43	0.12
	Stockholm ...	30.06	57	SSE	2	c	30.04	-.10	62	56	-1	S	2	0	*	c	*	70	57	-
	Wisby	30.12	56	S	4	b	30.07	-.06	60	52	+6	SE	4	0	*	b	*	61	45	-
	Karlstad ...	30.00	68	WSW	2	b	29.99	-.09	62	55	+1	S	2	b	*	b	*	*	*	-
	Bodö	30.08	48	SW	4	o	30.18	+.16	46	45	0	WSW	2	o	2	o	*	48	43	0.12
	Christiansund ...	30.09	51	NE	1	o	30.07	-.02	54	50	+3	ENE	2	c	2	o	*	55	50	0.12
	Skudesnaes ...	30.06	54	NNW	6	c	30.04	-.04	52	50	-5	NNW	2	c	1	c	*	63	48	*
	Færder (Christiania Fjord)	29.99	60	SSW	2	bc	29.99	-.08	59	56	-1	NNE	4	b	2	bc	*	63	55	-
	Skagen (The Scaw)	30.03	62	SW	0	b	30.00	-.08	60	56	-5	SSW	1	b	0	b	*	75	53	-
	Fanö	30.08	58	SW	0	b	30.04	-.04	57	54	-3	NNW	1	b	*	b	*	68	52	-
	Sumburgh Head	30.12	54	SW	0	o	30.01	-.06	51	51	-2	SE	2	o	3	m.o	*	56	48	-
	Stornoway ...	30.10	61	SE	2	b	29.95	-.18	61	56	+4	NNW	4	o	4	o.b	4.3	61	45	-
	Wick	30.07	55	S	1	b	29.98	-.15	55	52	-6	S	2	m	1	b	*	63	48	-
	Nairn	30.08	63	E	2	c	29.98	-.16	60	57	-1	W	1	b	1	c	*	70	54	-
	Aberdeen ...	30.15	55	ESE	1	b	30.01	-.14	54	51	-3	SE	3	bc	2	b.f	12.1	60	49	-
British Islands	Leith	30.11	61	E	2	c	30.04	-.07	55	53	-6	ENE	1	o	*	c	*	67	51	-
	Shields	30.10	60	ESE	3	b	30.06	-.05	56	55	-3	ESE	3	m	2	b.f	*	66	49	-
	Spurn Head ...	30.09	56	NE	3	bc	30.07	-.04	52	51	-6	ENE	2	o	2	bc.f	*	62	49	-
	York														*					
	Loughborough ...	30.06	72	ENE	3	b	30.07	-.05	62	55	+2	NE	1	bmw	*	b.bc.bm	*	76	41	-
	Ardrossan ...																*			
	Malin Head ...	30.12	59	E	2	b	30.01	-.11	59	57	+1	WNW	2	og	2	b	*	63	55	-
	Belmullet ...	30.15	59	NNW	2	o	30.03	-.14	57	55	-2	SW	3	r	*	b.o	*	62	52	-
	Donaghadee ...	30.10	58	NNE	2	b	30.03	-.12	57	55	0	NW	2	bcm	2	b	*	61	53	-
	Liverpool (Bidston)	30.07	61	W	1	b	30.02	-.10	67	56	+8	ESE	2	b	2	bm	*	67	54	-
	Holyhead ...	30.08	59	NW	2	b	30.03	-.09	62	59	+4	W	0	b	0	f.b	*	63	53	-
	Parsonstown ...	30.09	72	NW	1	b	30.06	-.09	58	54	-1	NW	1	o	*	b	5.4	72	50	-
	Valencia ...	30.14	63	NW	3	b	30.06	-.11	61	55	0	N	2	c	3	b	12.0	65	48	-
	Roche's Point ...	30.13	72	SW	3	b	30.07	-.07	61	58	-2	N	3	c	3	b	*	73	55	-
	Pembroke (St. Ann's Hd.)	30.06	59	N	3	b	30.03	-.11	62	59	+4	W	0	bm	1	b	12.0	64	52	-
	Scilly	30.08	64	NNW	2	bc	30.06	-.10	61	59	-1	NW	3	bc	0	bc	12.5	68	58	-
	Prawle Point ...	30.03	69	WSW	1	b	30.03	-.06	66	59	+4	WSW	1	b	1	b	*	71	57	-
	Jersey (St. Aubin's)	30.05	65	WNW	3	b	30.06	-.03	57	55	-8	W	3	f	3	bm	*	69	46	-
	Hurst Castle ...	30.05	67	SW	1	bm	30.04	-.04	63	58	-1	W	0	bm	0	bm	*	72	51	-
	Dungeness ...	30.03	64	ENE	3	bc	30.04	-.03	54	53	-6	ENE	2	of	1	b.bc	*	62	54	-
	North Foreland																*			
	London (Brixton) ...	30.03	74	NE	2	b	30.06	-.04	61	56	0	E	1	b	*	b.bm	11.9	77	49	-
	Oxford	30.05	65	ENE	2	b	30.07	-.04	?52	?51	-?8	W	0	bc	*	b	*	74	46	-
	Cambridge ...														*					
	Yarmouth ...	30.05	57	NNE	3	c	30.05	-.03	54	52	-2	NNE	3	c	3	c	*	60	48	-
Germany & Holland	Cuxhaven ...	30.04	63	NW	2	b	30.02	-.03	58	56	+3	SE	1	b	*	b	*	64	54	-
	Berlin	30.01	64	NE	4	bc	30.01	.00	61	57	+4	E	1	o	*	bc	*	70	57	-
	Wiesbaden ...	*	*	*	*	*	29.96		59	52		NE	3	b	*	*	*	64	48	0.28
	Munich	29.97	51	SE	2	c	29.97	+.03	54	51	+5	W	2	c	*	c	*	59	46	0.20
	The Helder ...	30.01	60	N	2	b	30.02	-.02	61	59	+7	W	0	b	0	b	*	63	52	-
Belgium.	Brussels ...	*	*	*	*	*	30.01	-.03	63	57	+8	N	1	b	*	bc	*	70	48	-
	Cape Gris Nez ...	30.04	56	E	2	b	30.05	+.01	54	53	0	E	1	f	0	b	*	61	?	-
	Paris	29.94	69	N	4	bc	30.01	-.05	56	53	+2	N	2	b	*	bc	*	73	52	-
	Brest	30.09	61	NNW	2	b	30.06	?	58	57	+3	N	1	m	1	b	*	64	52	-
	Lorient	30.04	69	N	4	c	30.07	-.04	54	54	-2	NNE	3	m	2	c	*	75	54	-
France &	Rochefort ...	29.98	66	NW	4	bc	29.96	-.04	59	56	+1	N	2	b	*	bc		73	53	-
	Belfort	29.88	56	W	0	o	29.92	-.01	53	52	+5	NW	1	m	*	o		60	48	0.28
	Lyons	29.93	60	NW	2	o	29.95	+.03	54	53	-6	ESE	1	o	*	t.o		73	51	0.08
	Nice	29.83	58	NE	1	c	29.84	-.01	62	56	0	W	0	bc	2	c	*	72	52	-
	Perpignan ...	29.92	70	NW	2	o	29.98	+.08	66	55	-2	NW	3	o	*	o	*	77	57	-
	Biarritz ...	30.00	69	NW	3	b	30.02	+.04	63	58	+1	NNW	4	c	2	b	*	70	61	-
Peninsula.	Corunna ...														*					
	Lisbon	30.04	62	NNW	4	b	30.03	+.03	67	60	+2	SSW	2	b	*	b	*	75	59	-
	Azores (P. Delgada)	30.29	68	NE	4	bc	30.32	+.10	69	65	+3	NNE	4	bc	2	bc	*	75	64	-

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

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

Bright Sunshine yesterday Southport 11.6 *hrs.*

WEATHER CHARTS

FOR Saturday, 17th June, 1899.

BAROMETER, WIND AND SEA.

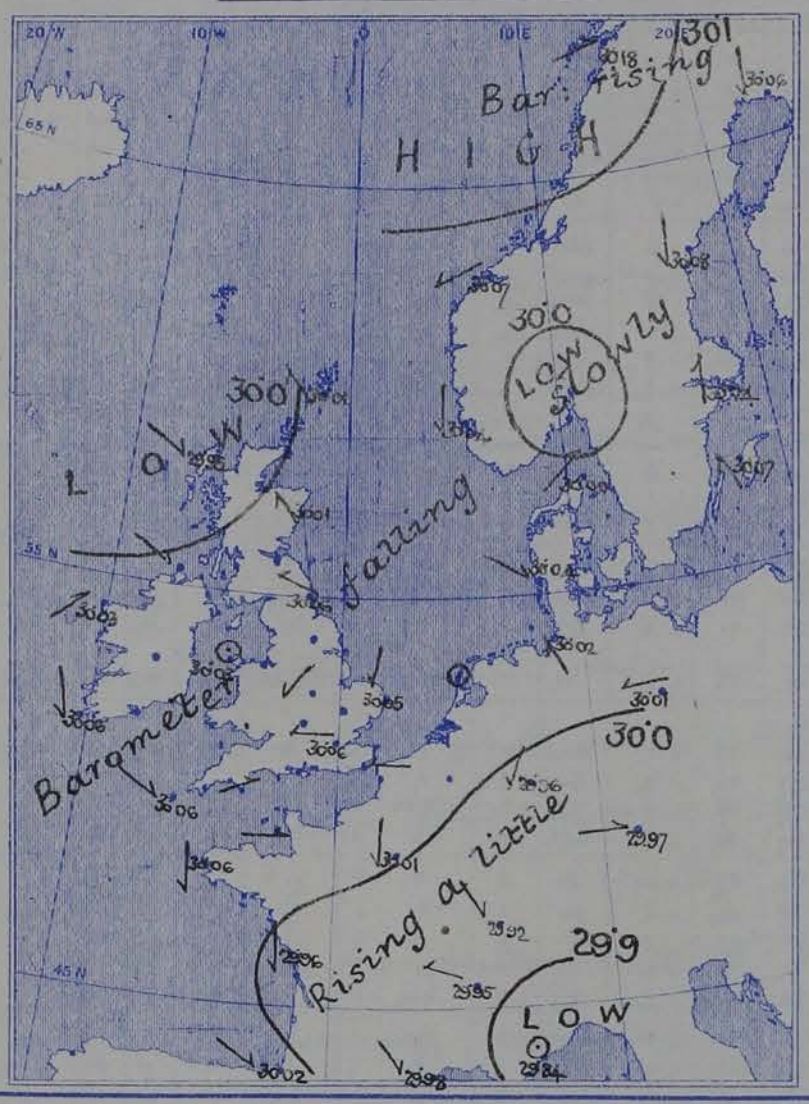
BAROMETER—*Isobars are drawn for each tenth of an inch.*

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

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

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

SEA—*Rough* ▤ : *High* ▩



TEMPERATURE & WEATHER.

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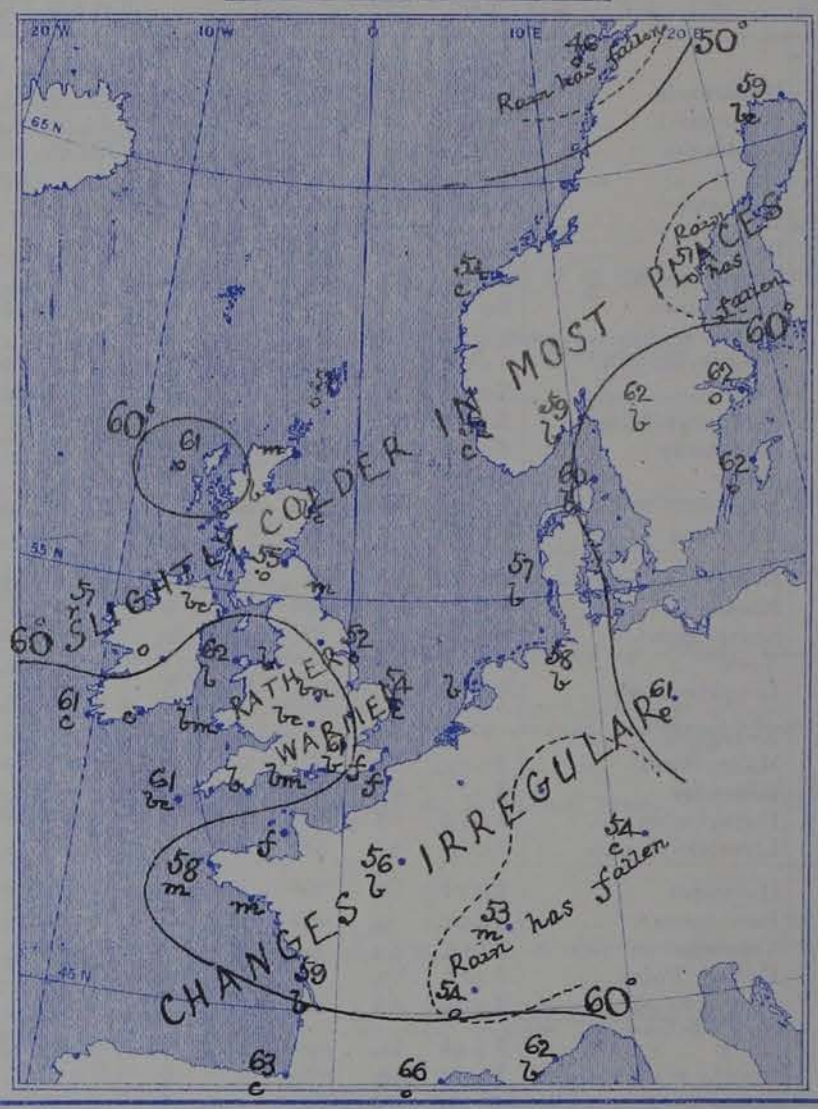
RAINFALL—*A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus*—0·6.



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

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	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62 3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52 0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30 001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·1 ins: and upwards over the northern parts of Norway.
Lowest, 29·9 ins: and less, in a shallow depression over the south of France; 30·0 ins: and less, in two other shallow systems, — one lying over the west and north of Scotland and the other over the south of Scandinavia.
Gradients slight. Barometer falling a little in most parts of north western Europe, but rising in France and also in the north of Scandinavia.

TEMPERATURE — Highest, (1) 67° in Liverpool, 66° at Prawle Point, and 63° at Hunt Carlo; (2) 66° at Perpignan and 63° at Nimes; (3) 62° at Drontheim, Haparanda and Stockholm.
Lowest, 46° at Bodo, 51° at Haparanda and Turnhuyk Head, 52° at Sunderland and Shields, and 53° at Belfort.
Generally yesterday the thermometer rose to 70° and upwards in several parts of the United Kingdom, to 76° at Loughborough and to 77° in Ireland.

WIND — Light from the E.ly (SE. to NE.) over the eastern parts of the United Kingdom; S.ly in the north of Scotland; W'ly to N'ly over Ireland and the southeast of England.
N'ly or NW'ly in France; variable in Denmark and Germany; S'ly in Sweden, but N'ly over the Gulf of Bothnia and the south of Norway.

WEATHER — Fine over Western Europe as a whole, but with haze in many places, and fog at some of the English Channel stations.
Dull on our east coast, with rain at Belmullet; dull also in many parts of Sweden.
Rain fell yesterday over the northern parts of Scandinavia and also at some of the German stations and at Belfort. Thunder was heard at Lyons. In our Islands the weather continued very dry.

SEA — Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over our Islands appears to be gradually breaking up. The shallow depression which has appeared over the north of Scotland seems likely to be followed either by the advance of further disturbances from the westward or by the development of small systems directly over the United Kingdom. The present tendency is, therefore, for a gradual change to less settled weather.

FORECASTS

For the 24 hours ending at NOON on 18th JUNE, 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S'ly to W'ly winds, light; cloudy, some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NE'ly to Variable breezes; fair generally but misty in places.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	Light Variable airs; fair, close, misty in places
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Light Variable airs; fair at first cloudy later, possibly some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Light breezes, chiefly W'ly; fair generally, but some mist or fog.
9	IRELAND NORTH	W'ly to SW'ly winds, light; cloudy, some rain, possibly thunder.
10	IRELAND SOUTH	

WARNINGS — NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·08	63	55	NW	2	b	1
Sumburgh Head	30·11	54	54	W	1	m	3
Stornoway	30·14	59	56	S	3	o	3
Aberdeen	30·16	60	56	E	2	b	1
Shields	30·13	63	55	ESE	3	b	2
Ardrossan							
Malin Head ...	30·14	63	60	E	2	b	1
Belmullet	30·16	61	56	WNW	1	b	*
Holyhead	30·12	62	59	NW	2	f	1
Valencia	30·16	65	59	NW	3	b	4
Scilly	30·10	67	64	WSW	1	be	0
Jersey	30·07	67	60	WNW	3	b	3
Hurst Castle ...	30·06	70	67	SSW	2	bm	1
Dungeness ...	30·05	61	59	E	3	b	0
North Foreland							
London (Westminster)	30·05	71	60	NE	2	b	*
Yarmouth ...	30·07	59	55	NNE	3	e	3
Rochefort ...	29·96	70	62	NW	1	be	*

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

Weather in morning fine over western and northern Europe generally, but dull in the north of Scotland and the west of Norway, with rain at Christiansund. Cloudy or dull in many parts of the central and southern countries, with rain at Munich and Naples. A little rain falling later at some of the German and eastern French stations, and also at Hernösand and Christiansund, but weather in our Islands remaining very dry. Thunder heard at Lyons in afternoon.

Temperature risen in most places. Morning readings highest 76° at Constantinople, 73° at Athens and Patras, and 72° at Malta and Algiers; above 65° over southern Europe generally, and above 60° in many parts of our Islands, as well as in the south of Sweden. Lowest (1) 46° at Bodö and 51° at Christiansund; (2) 48° at Belfast, and 49° at Munich. Rising during day to 70° and upwards in many parts of the United Kingdom and France, and to 77° in London and at Perpignan.

Wind light from the N.W. (NE to NW) over northern and northwestern Europe as a whole, but S. (SE to SW) over Denmark and the south of Sweden. Variable over Austria and the south of Russia; chiefly E. (SE to NE) over Italy; NE. in Spain. Subsequently shifting to the E. or SE. over our own northern coasts, no important change occurring elsewhere.

Barometer highest 30·1 ins: and upwards, in an anticyclone lying over nearly the whole of the United Kingdom, and also in two other systems, lying respectively over the Gulf of Bothnia and over Central Russia. Lowest 29·8 ins: and less, in a shallow depression over northern Russia; 29·9 ins: and less, in another system over the south of France and the northern parts of Italy and the Adriatic. Slight fall taking place over our Islands later, and anticyclone beginning to break 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); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 18th June, 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 8.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Min.	Rain.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	
Scandinavia	Haparanda ...	30·08	59	2	0	c	30·11	+ ·15	64	52	+ 5	NE	2	b	*	c	*	68	43	
	Hernösand ...	30·08	49	2	0	b	30·05	−·03	55	48	+ 4	N	2	b	*	b	*	61	43	
	Stockholm ...	30·04	55	NE	2	c	29·98	−·06	59	54	− 3	NE	2	b	*	c	*	73	51	0·15
	Wisby	30·00	57	SSE	4	bc	29·95	−·12	52	49	+ 8	NNE	4	o	*	bc	*	66	45	—
	Karlstad ...	29·98	65	ENE	2	b	30·00	+ ·01	60	52	− 2	ENE	2	b	*	b	*	*	*	
	Bodö	30·09	50	NE	2	b	30·04	− ·14	58	49	+ 12	E	3	b	1	b	*	53	45	—
	Christiansund ...	29·94	59	2	0	b	29·94	− ·13	52	50	− 2	WNW	1	f	1	b	*	64	50	
	Skudesnaes ...	29·97	50	NNW	4	f	29·91	− ·13	50	49	− 2	2	0	f	1	bc,f	*	57	46	
	Færder (Christiania Fjord)	29·93	60	2	0	m	29·96	−·03	59	55	0	NE	2	bc	1	m	*	62	57	—
	Skagen (The Scaw)	29·95	58	WNW	1	f	29·94	−·06	55	54	− 5	NNE	1	f	0	f	*	82	54	—
	Fanö	29·98	53	NNW	2	o	29·94	− ·10	53	51	− 4	NE	1	c	*	o	*	64	50	—
	Sumburgh Head	29·91	51	SE	1	o	29·78	− ·23	50	50	− 1	S	2	o	3	o	*	53	49	—
	Stornoway ...	29·86	55	SW	4	r	29·74	− ·21	52	50	− 9	NNW	5	o	5	c,r	1·0	61	47	0·40
	Wick	29·91	55	S	2	f	29·74	−·24	52	51	− 3	SE	1	f	1	f	*	64	50	0·02
	Nairn	29·84	63	2	0	c	29·73	−·25	58	56	− 2	E	1	o	1	c	*	76	52	0·11
	Aberdeen ...	29·87	59	S	3	bc	29·72	−·29	54	53	0	NE	2	og	3	bc	8·7	63	50	—
British Islands	Leith	29·85	59	2	0	o	29·69	−·35	59	57	+ 4	NE	1	o	*	o	*	67	51	—
	Shields	29·88	62	SSE	3	bc	29·72	−·34	62	59	+ 6	ESE	2	m	2	bm,bcm	*	66	53	
	Spurn Head ...	29·94	54	SE	4	f	29·78	−·29	64	60	+ 12	SE	2	c	2	o,f	*	64	52	—
	York														*					
	Loughborough ...	29·92	79	SSE	2	b	29·81	−·26	63	59	+ 1	SW	2	cm	*	b,bc,cm	*	80	54	—
	Ardrossan ...																*			
	Malin Head ...	29·87	58	ESE	2	cr	29·73	− ·28	49	49	− 10	NNW	5	r	4	o cr	*	62	49	0·32
	Belmullet ...	29·93	53	NNW	3	r	29·86	− ·17	55	51	− 2	NNW	3	bc	*	r	*	59	48	0·73
	Donaghadee ...	29·90	68	NW	1	c	29·68	−·35	54	53	− 3	NNW	2	r	3	f,c	*	68	52	0·41
	Liverpool (Bidston)	29·89	64	W	1	b	29·76	− ·26	63	57	− 4	SSE	1	o	1	b	*	80	56	—
	Holyhead ...	29·90	61	NW	1	cm	29·74	− ·29	55	55	− 7	SW	3	rgm	2	cm	*	65	55	0·10
	Parsonstown ...	29·91	57	W	1	r	29·81	− ·25	54	51	− 4	NW	1	o	*	o,r	1·5	67	50	0·54
	Valencia ...	29·89	57	WSW	3	rm	29·88	− ·18	57	51	− 4	NNW	3	c	4	rm	4·3	62	51	0·62
	Roche's Point ...	29·94	59	W	3	r	29·82	− ·25	58	54	− 3	N	4	bc	3	r	*	65	54	0·22
	Pembroke (St. Ann's Hd.)	29·94	60	NW	3	bc	29·80	− ·23	? 57	? 57	− 5	NW	3	r	2	bc	12·0	64	54	0·33
	Scilly	30·00	63	W	2	b	29·81	− ·25	57	57	− 4	NW	4	r	1	b	12·5	68	55	0·33
	Prawle Point ...	29·96	64	WSW	3	b	29·85	− ·18	57	51	− 9	SSW	3	c	2	b	*	69	52	—
	Jersey (St. Aubin's)	30·00	68	W	3	bm	29·91	− ·15	60	58	+ 3	SW	3	cm	3	bm	*	70	55	—
	Hurst Castle ...	29·97	66	S	3	bm	29·86	− ·18	60	58	− 3	SSW	2	cm	1	bm	*	70	57	—
	Dungeness ...	29·98	55	ENE	2	f	29·90	− ·14	54	53	0	SSW	3	f	2	f	*	61	47	—
	North Foreland																*			
	London (Brixton) ...	29·97	73	SE	3	bc	29·87	− ·19	63	58	+ 2	SSE	3	o	*	b,c,m	3·0	79	49	—
	Oxford	29·91	69	SSW	2	b	29·83	− ·24	61	57	+ 9	S	1	o	*	b	*	79	52	—
	Cambridge ...														*					
	Yarmouth ...	29·98	54	E	2	f	29·86	− ·19	57	56	+ 3	SSE	3	b	3	f	*	58	50	—
Germany & Holland	Cuxhaven ...	29·95	63	N	1	b	29·90	− ·12	60	57	+ 2	E	1	b	*	b	*	64	55	—
	Berlin	29·94	62	2	0	r	29·88	− ·13	59	55	− 2	NW	1	c	*	r	*	68	55	—
	Wiesbaden ...	*	*	*	*	*	29·89	− ·07	61	59	+ 2	NE	1	bc	*	*	*	73	50	0·35
	Munich	29·91	59	SW	2	c	29·90	− ·07	58	56	+ 4	W	3	b	*	c	*	[illegible]		
	The Helder ...	29·95	59	N	1	b	29·94	− ·08	61	57	0	2	0	b	0	b	*	68	54	—
Belgium.	Brussels ...	*	*	*	*	*	29·91	− ·10	64	60	+ 1	2	0	b	*	bc	*	77	51	—
	Cape Gris Nez ...	30·00	56	E	1	m	29·94	− ·11	56	54	+ 2	S	2	m	1	m	*	59	50	—
	Paris	29·95	71	N	2	b	29·95	− ·06	63	59	+ 7	N	1	b	*	b	*	74	51	—
	Brest	30·02	63	NNW	2	b	29·93	− ·13	58	56	0	WSW	2	o	2	b	*	64	54	—
	Lorient	30·00	67	W	4	bc	29·95	− ·12	59	57	+ 5	NW	1	o	1	bc	*	72	54	—
France &	Rochefort ...	29·96	64	WNW	4	c	29·95	− ·01	63	61	+ 4	WNW	3	o	*	c	*	68	57	—
	Belfort	29·86	59	SW	1	m	29·87	− ·05	56	54	+ 3	2	0	m	*	m	*	69	47	—
	Lyons	29·91	60	NW	2	o	29·87	− ·08	63	55	+ 9	N	2	b	*	bkn,o	*	70	54	0·67
	Nice	29·76	60	2	0	c	29·75	− ·09	59	54	− 3	2	0	c	1	c	*	70	?	0·04
	Perpignan ...	29·92	68	NW	4	b	29·92	− ·06	66	56	0	W	4	b	*	b	*	77	55	—
	Biarritz ...	30·01	67	WNW	4	c	30·00	− ·02	61	58	− 2	S	3	b	2	c	*	70	55	—
Peninsula.	Corunna ...	30·10	64	N	7	b	30·13	·00	61	58	− 6	NNE	1	o	2	b	*	66	48	—
	Lisbon	30·01	69	NNW	2	b	30·02	− ·01	68	55	+ 1	NNW	4	b	*	b	*	80	61	—
	Azores (P. Delgada)	30·36	67	NNE	4	bc	30·33	+ ·01	68	62	− 1	NNE	4	bc	2	bc	*	75	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 now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 13·7 hrs;

WEATHER CHARTS

FOR Sunday, 18th June, 1899.

BAROMETER, WIND AND SEA.

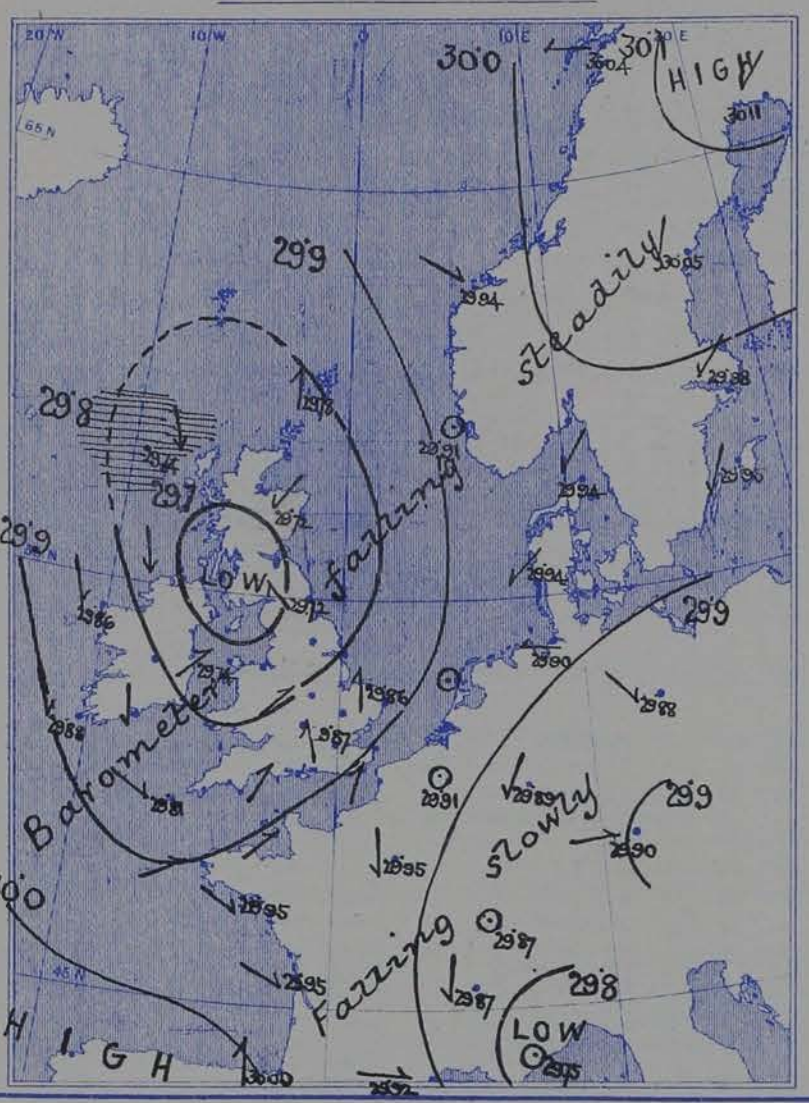
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

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

SEA—Rough ▤ ; *High* ▩

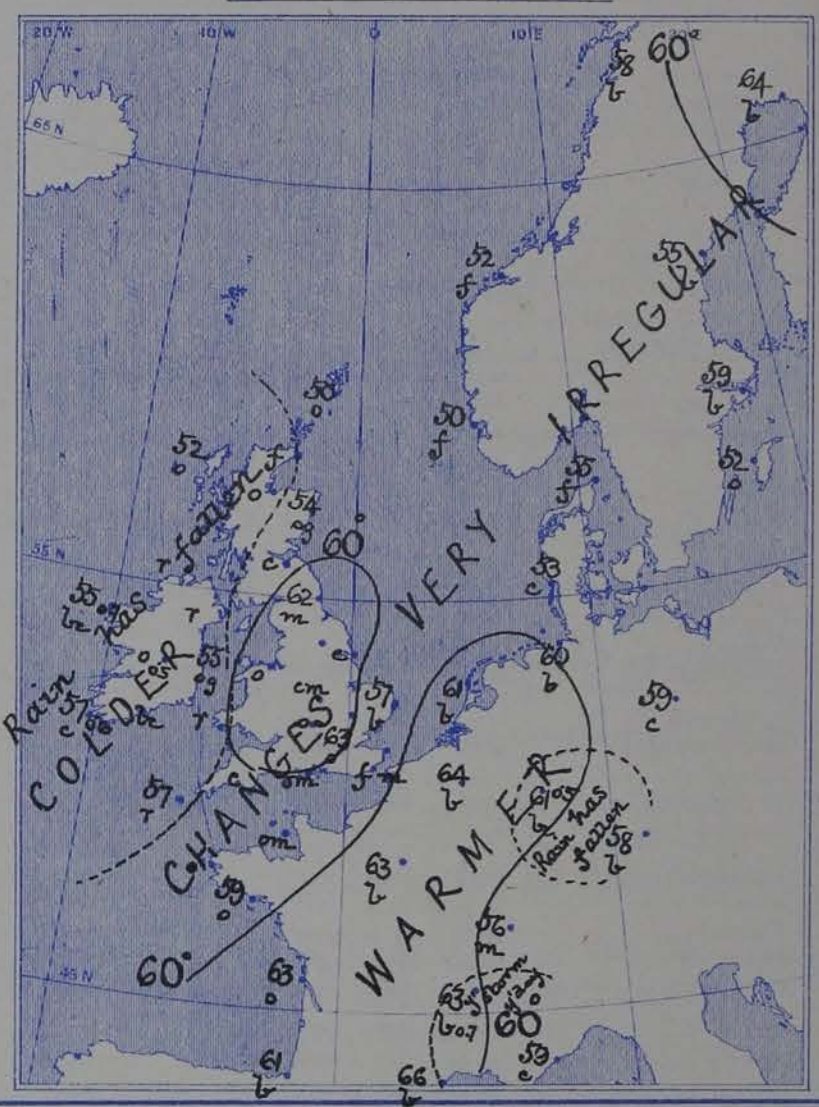


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—{ A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 013	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 0	81	1877, 88	40	1892	1 · 86	—	—

* 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 Lapland, 30·0 ins: and upwards over the northern parts of Scandinavia generally and also over the Spanish Peninsula
Lowest, 29·7 ins: and less. in a well marked depression over the south of Scotland and the extreme north of England;
29·8 ins: and less. in a small shallow system over the southeast of France.
Gradients slight. Barometer falling generally, but rising at some of the Swedish stations.

TEMPERATURE

Highest, 68° at Lisbon, 66° at Perpignan, and 64° at Spurn Head; (2) 64° at Haparanda and Karlstad.
Lowest, 49° at Malin Head, 50° at Sumburgh Head and Shudanaes, and 52° at Christiansund, Stornoway and Wick
During yesterday the thermometer rose to 75° and upwards in several parts of Great Britain, and to 80° at Loughborough and Liverpool.

WIND

Light to moderate from the N. or NW. over Ireland and the southeast of England, light from the S. (SW to SE) in the eastern, central, and southern parts of England, and from the E. or NE. in the east of Scotland.
Light from the E. or NE. over the greater part of Scandinavia and Denmark, and from the NW. or W. over Germany, N or NW in France.

WEATHER

Cloudy or dull over the greater part of our Islands and the west of France, with rain at several of our own western stations; fair in the east and south of Ireland
Fine over the western parts of the Continent as a whole, but foggy on the Norwegian coast and also in the Straits of Dover.
Since yesterday morning rain has fallen at most of our western and extreme northern stations, the largest amounts being 0·7 ins: at Belmullet, 0·6 ins: at Valencia (Ireland.) A thunderstorm with hail occurred at Lyons yesterday morning.

SEA

Slight or smooth generally, but rather rough at Stornoway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 19th June 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.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·00	59	54	NNW	4	bc	1	Valencia	29·98	58	56	S	2	r	4
Sumburgh Head	29·95	52	51	SE	2	o	3	Scilly	30·04	64	60	NW	3	b	1
Stornoway	29·89	59	55	W	4	c	4	Jersey	30·04	66	57	WNW	3	b	3
Aberdeen	29·94	57	53	S	2	bc	2	Hurst Castle ...	30·02	70	62	S	1	bm	1
Shields	29·97	62	57	ESE	3	bm	2	Dungeness ...	30·02	59	58	ENE	3	bc	2
Ardrossan								North Foreland							
Malin Head ...	29·94	62	59	NE	1	o	2	London (Westminster)	29·99	75	61	ENE	2	b	*
Belmullet	29·94	59	57	SSW	4	r	*	Yarmouth ...	30·02	57	54	ENE	3	f	3
Holyhead	29·97	63	60	NW	1	cm	1	Rochefort ...	29·97	66	63	NW	4	bc	*

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

Weather in morning fine over the greater part of our Islands and the Continent, but foggy at some of the English Channel stations, and dull in our own extreme north and northwest coasts, with rain at Belmullet. Dull also in many parts of Sweden, North Germany and Italy; rain falling at Viarde. Considerable quantities of rain falling later in Ireland, and smaller amounts in the west and north of Scotland.

Temperature risen in most parts of England and central and southern Europe, but fallen elsewhere. Morning readings highest 78° at Brindisi, 74° at Patras, and 73° at Algiers; above 65° at most of the Mediterranean and Spanish coast stations, as well as at some places in the west and southwest of England; above 60° over Russia and the south of Sweden. Lowest 45° at Archangel, 46° at Boda, 50° at Ulleaborg, and 51° at Hernösand and Skudesnaes Head. Rising during day to 75° and upwards in many parts of Great Britain, and to 80° at Loughborough and Liverpool. Reaching 77° at Marseilles and Perpignan and 80° at Lisbon.

Wind light from the E.ly (SE. to NE.) over the eastern parts of the United Kingdom; S'ly in the north of Scotland; W'ly to N.W'ly over Ireland and the southwest of England. N'ly or NW. over France and the greater part of Italy; variable over the Spanish Peninsula and also over Central Europe; S'ly in the south of Sweden; N'ly in the south of Norway and over the Gulf of Bothnia. Cyclonic circulations of light breezes appearing later over Ireland; no important change occurring elsewhere.

Barometer highest 30·1 in. and upwards in three areas – one lying over the extreme north of Russia, another over the north of Norway and the third off the northwest of Spain. Lowest 29·8 in. and less, in a shallow depression over the northern part of the Adriatic; 30·0 in. and less in two other systems, one lying over the north of Scotland and the other over the south of Scandinavia. Further shallow depressions forming later over Ireland and the northern part of Great Britain, and barometer falling over Western Europe generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Monday 19th June, 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 ...	30·12	61	2	0	b	30·19	+ ·08	62	50	— 2	E	2	b	*	b	*	73	52	—
	Hernösand ...	29·99	58	N	2	c	30·00	— ·05	52	49	— 3	NE	4	o	*	c	*	68	37	—
	Stockholm ...	29·91	54	2	0	b	29·89	— ·09	54	51	— 5	2	0	o	*	b	*	66	48	0·04
	Wisby	29·91	48	NE	4	c	29·85	— ·10	50	48	— 2	NE	4	r	*	c	*	54	45	—
	Karlstad ...	29·90	63	NNE	2	b	29·88	— ·12	61	54	+ 1	NNE	2	b	*	b	*	*	*	—
	Bodö	30·04	62	E	2	b	30·06	+ ·02	62	51	+ 4	E	4	b	1	b	*	68	46	—
	Christiansund ...	29·80	61	2	0	b	29·75	— ·19	62	56	+ 2	NW	1	b	1	b	*	63	48	—
	Skudesnaes ...	29·85	51	SSW	2	f	29·78	— ·13	51	50	+ 1	2	0	f	1	f	*	54	48	*
	Færder (Christiania Fjord)	29·88	66	S	1	b	29·87	— ·09	60	55	+ 1	NE	2	c	1	b	*	70	59	—
	Skagen (The Scaw)	29·85	63	2	0	m	29·83	— ·11	62	59	+ 7	SE	2	m	0	m	*	73	55	—
	Fanö	29·82	64	2	0	c	29·76	— ·18	61	59	+ 8	SSE	4	b	*	c	*	70	52	—
British Islands.	Sumburgh Head	29·68	50	SSE	2	m	29·60	— ·18	50	50	0	SE	3	m	4	m	*	52	47	—
	Stornoway ...	29·62	50	NNE	6	r	29·51	— ·23	51	50	— 1	N	5	r	5	r	0·0	53	47	0·85
	Wick	29·58	55	ESE	3	f	29·51	— ·23	54	53	+ 2	SE	1	o	2	f,r	*	57	50	0·15
	Nairn	29·57	57	E	1	r	29·52	— ·21	53	50	— 5	WSW	1	o	0	f,r	*	63	48	0·17
	Aberdeen ...	29·63	53	SSE	3	ogmr	29·54	— ·18	54	52	0	S	3	ep	2	ogmr	0·0	59	52	0·08
	Leith	29·61	62	WSW	1	r	29·55	— ·14	55	51	— 4	WSW	2	o	*	r	*	64	49	0·04
	Shields	29·63	65	SW	3	o	29·60	— ·12	54	51	— 8	WSW	3	c	2	o,r	*	70	50	0·11
	Spurn Head ...	29·68	65	WSW	2	c	29·61	— ·17	56	53	— 8	WNW	4	c	3	c,fd	*	72	53	0·01
	York														*					
	Loughborough ...	29·69	64	SSE	1	o	29·68	— ·13	56	51	— 7	WNW	2	bcv	*	c,or,c,b	*	68	48	0·22
	Ardrossan ...	.															*			
	Malin Head ...	29·73	52	NNW	5	bcp	29·64	— ·09	50	49	+ 1	NW	5	orq	3	o.bcp	*	52	49	0·10
	Belmullet ...	29·86	57	WNW	1	b	29·70	— ·16	56	50	+ 1	N	1	bc	*	o,b	*	57	45	0·03
	Donaghadee ...	29·73	55	NW	4	bc	29·66	— ·02	54	51	0	WNW	3	b	3	bc	*	56	44	0·09
	Liverpool (Bidston)	29·71	53	W	2	o	29·67	— ·09	54	49	— 9	W	2	bc	2	r,o	*	64	50	0·43
	Holyhead ...	29·74	57	NW	2	c	29·68	— ·06	57	57	+ 2	W	2	cp	1	c	*	59	48	0·09
	Parsonstown ...	29·79	60	NW	1	c	29·68	— ·13	54	49	0	E	1	o	*	c	8·6	62	39	—
	Valencia ...	29·85	58	NW	5	b	29·60	— ·28	55	49	— 2	E	2	o	3	bc	12·4	60	42	—
	Roche's Point ...	29·79	62	N	5	b	29·64	— ·18	57	54	— 1	ESE	3	c	3	b	*	63	49	—
	Pembroke (St. Ann's Hd.)	29·78	57	W	3	bc	29·68	— ·12	59	59	+ 2	SE	3	b	2	bc	6·5	59	52	0·16
	Scilly	29·80	61	NNW	4	bc	29·65	— ·16	59	55	+ 2	SSE	1	c	1	bc	5·7	62	54	0·03
	Prawle Point ...	29·75	59	W	2	c	29·70	— ·15	57	52	0	ESE	2	bc	1	c	*	62	47	0·35
	Jersey (St. Aubin's)	29·82	60	SSW	3	or	29·74	— ·17	62	56	+ 2	WNW	3	bc	3	og,or	*	65	49	0·20
	Hurst Castle ...	29·76	58	SSW	4	rm	29·72	— ·14	60	55	0	NNE	2	b	1	rm	*	63	49	0·12
	Dungeness ...	29·77	59	WSW	3	m	29·67	— ·23	59	56	+ 5	W	3	c	2	m	*	63	53	0·06
	North Foreland																*			
	London (Brixton) ...	29·74	65	SSW	3	o	29·69	— ·18	57	52	— 6	NW	1	c	*	c,or	3·8	75	52	0·06
	Oxford	29·69	57	S	3	r	29·70	— ·13	55	50	— 6	NW	2	b	*	c,or	*	66	46	0·15
	Cambridge ...														*					
	Yarmouth ...	29·73	62	SSE	4	c	29·63	— ·23	56	55	— 1	S	3	r	3	c	*	63	54	0·06
Germany & Holland.	Cuxhaven ...	29·79	64	N	2	b	29·73	— ·17	60	58	0	SE	2	b	*	b	*	66	57	—
	Berlin	29·79	65	NE	4	b	29·79	— ·09	61	57	+ 2	ESE	1	b	*	b	*	72	56	—
	Wiesbaden ...	*	*	*	*	*	29·76	— ·13	59	54	— 2	NE	3	b	*	*	*	75	55	0·04
	Munich	29·86	58	SW	4	c	29·83	— ·07	61	57	+ 3	2	0	b	*	c	*	68	50	0·16
	The Helder ...	29·76	65	2	0	b	29·66	— ·28	60	58	— 1	2	0	c	0	b	*	68	55	—
Belgium.	Brussels ...	*	*	*	*	*	29·75	— ·16	57	55	— 7	SW	1	o	*	r	*	79	51	0·20
	Cape Gris Nez ...	29·81	60	W	1	m	29·71	— ·23	57	55	+ 1	W	2	o	2	m	*	66	54	0·28
	Paris	29·78	74	SW	2	c	29·78	— ·17	58	57	— 5	SSE	2	o	*	c	*	80	55	0·35
	Brest	29·81	55	NNW	1	c	29·74	— ·19	55	53	— 3	N	1	bc	1	c	*	63	48	0·32
	Lorient	29·83	57	W	3	r	29·75	— ·20	53	50	— 6	NE	3	bc	2	r	*	72	50	0·28
France &	Rochefort ...	29·88	64	NW	4	o	29·76	— ·19	61	59	— 2	SW	4	bc	*	o	*	72	59	0·04
	Belfort	29·77	68	2	0	m	29·74	— ·13	60	57	+ 4	W	2	m	*	m	*	78	58	—
	Lyons	29·79	71	NW	2	bc	29·84	— ·03	60	54	— 3	NNW	1	o	*	bc	*	77	59	—
	Nice	29·72	65	SW	2	b	29·72	— ·03	63	59	+ 4	S	1	c	1	b	*	72	59	—
	Perpignan ...	29·84	75	NW	3	c	29·83	— ·09	70	63	+ 4	W	1	o	*	c	*	79	62	—
	Biarritz ...	29·89	66	N	3	o	29·83	— ·17	64	59	+ 3	2	0	o	2		*	70	61	—
Peninsula.	Corunna ...																*			
	Lisbon	29·98	62	NNW	5	b	29·98	— ·04	64	57	— 4	NNW	3	b	*	b	*	79	59	—
	Azores (P. Delgada)	30·30	68	NNE	4	c	30·30	— ·03	67	63	— 1	NNE	4	c	2	c	*	73	64	—

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

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

Bright Sunshine yesterday Southport 0·2 hrs;

WEATHER CHARTS

FOR Monday, 19th June, 1899.

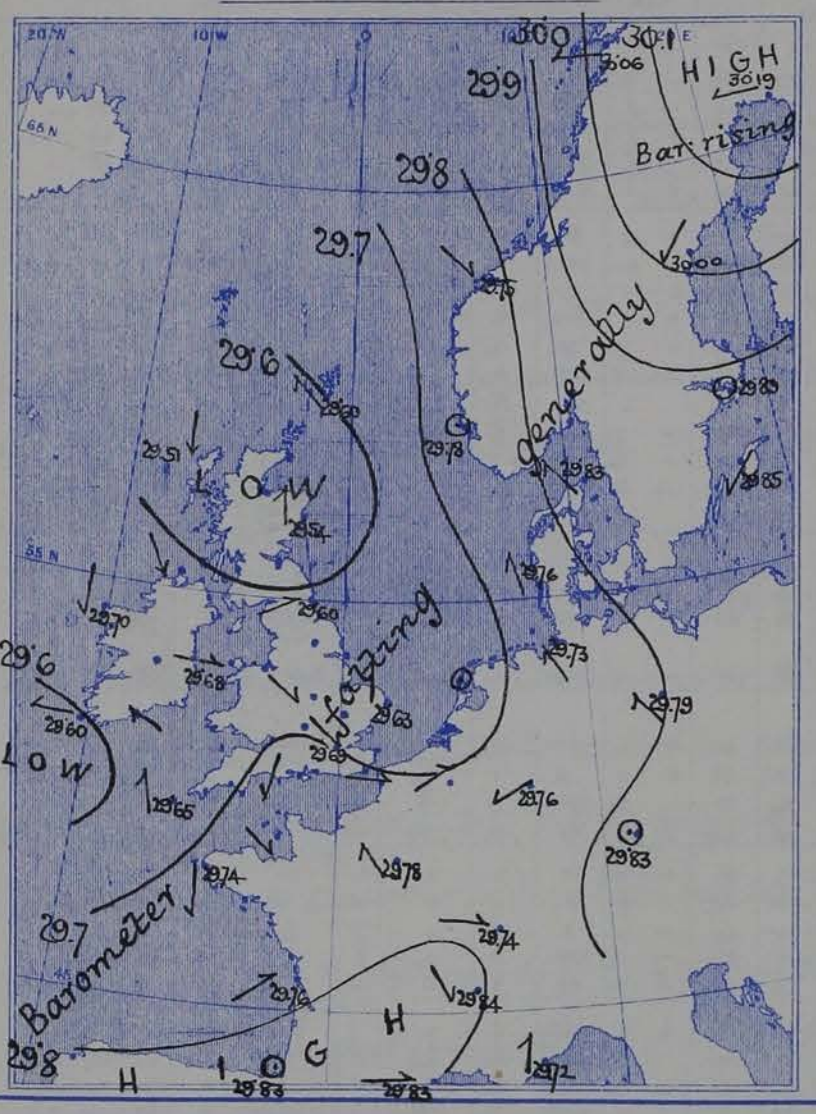
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ▤ ; High ▩

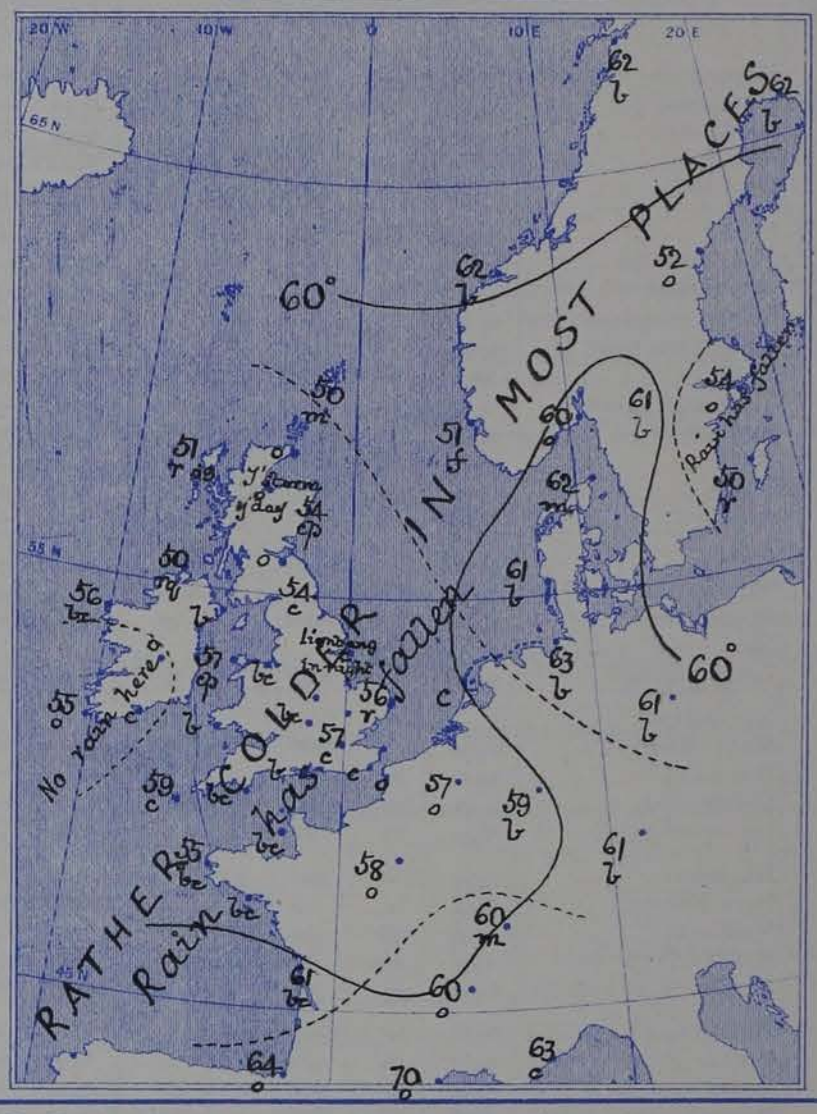


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62 3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·013	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52 0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30 001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51 0	81	1877, 88	40	1892	1·86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and upwards in an anticyclone lying over the N. of Scandinavia.
Lowest 29.6 ins. and less in two shallow depressions,- one lying over Scotland and the other off our extreme SW. coasts.
Gradients slight. Barometer falling generally, but rising over the Gulf of Bothnia.

TEMPERATURE

Highest (1) 70° at Perpignan, 64° at Biarritz, and 63° at Nice; (2) 62° at Haparanda, Bodö and Christiansund and Sternoway, and 53° at Nairn.
Lowest (1) 50° at Wisby, and 52° at Hernösand; (2) 50° at Lerwick Hd. and Malin Hd.; 51° at Skudesnæs
During yesterday the thermometer rose to 70° at Shields, to 72° at Spurn Hd. and to 75° in London. In many parts of our NW^rn and extreme N^rn coasts it failed to reach 60°.

WIND

Light to moderate from the W^wd. or NW^wd. over the northern and central parts of England and also in the north of Ireland, light from the S^wd. or SW^wd. in the east of Scotland and from the SE^wd. over the Shetlands and the eastern parts of the North Sea; NE^ly in Sweden.
Light from the E^wd. or SE^wd. in the south of Ireland and the southwest of England; variable in France

WEATHER

Fair or fine over the greater part of England and Ireland, but rainy at Yarmouth and showery at Holyhead; dull in Scotland, with rain or passing showers in the N.
Fine in the W. of France, and also in Norway, Denmark and Germany; dull over Belgium and central France, as well as at many of the Swedish stations, with rain at Wisby.
Rain fell yesterday over nearly the whole of our Islands and the neighbouring parts of the Continent, but as a rule the amount was not large. A thunderstorm occurred at Nairn yesterday, and lightning was seen at Spurn Hd. at night.

SEA

Slight or smooth generally, but rather rough at Sternoway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions noticed yesterday over our Islands are moving away to the N^wd. or E^wd. A new disturbance is, however, approaching our SW. coasts and seems likely to spread E^wd. and NE^wd. Rainy weather is therefore probable in many parts of the United Kingdom.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Varying S^ly breezes; cool, changeable, showery.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	NW^ly winds, backing later to the SE^wd. or E^wd.; fine at first, some rain later, possibly thundery.
6	SCOTLAND WEST	Wind backing to the S^wd. or SE^wd.; fine at first, some rain later.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E^ly and SE^ly winds, freshening; dull, rainy.
9	IRELAND NORTH	Wind shifting to the E^wd.; fine at first, some rain later.
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.	F.	WEA.	SEA.
Skudesnaes ...	29.90	54	51	WSW	2	o	2
Sumburgh Head							
Stornoway	29.69	51	51	N	5	r	5
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.74	52	50	NNW	5	o	4
Belmullet	29.85	55	50	NNW	1	o	*
Holyhead							
Valencia							
Scilly							
Jersey	29.86	63	59	SW	3	o	3
Hurst Castle ...							
Dungeness ...	?29.84	?60	60	SW	3	f	2
North Foreland							
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.92	68	63	NW	3	c	*

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 11TH TO 17TH JUNE 1899.

During nearly the whole of this week the weather over Wn Europe remained under the influence of large anticyclonic systems, the central areas of which lay for the most part over the United Kingdom. The weather was consequently fair and dry, no rain falling in our Islands until the close of the period, and then only in the most Wn districts.

Over the Nn countries the conditions were affected in the earlier part of the week by a large depression of increasing intensity which moved Sds over Scandinavia and the Baltic, but which ultimately dispersed over Wn Russia. This disturbance occasioned cold rainy weather in many parts of Nn Europe, with Nly gales at some of the Scandinavian and Baltic stations; the polar current extending over Gt Britain on the 13th and occasioning a considerable, but temporary, decrease in temperature in this country. Over Sn Europe the weather was influenced at times by complex depressions which formed over Italy and the Mediterranean the disturbances producing considerable falls of rain in places, with local thunderstorms. At Munich the total rainfall for the 48 hours ending with the morning of the 16th was as much as 5.6 ins.

Towards the close of the week the Wn anticyclone gradually broke up, and on the 17th shallow depressions began to appear over the W. and N. of our Islands, the disturbances producing considerable falls of rain in Ireland, and smaller quantities in the W. and N. of Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 20th June, 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 ...	30·11	62	Z	0	b	30·25	+ ·06	59	50	− 3	S	2	b	*	b	*	72	48	—
	Hernösand ...	29·97	57	Z	0	0	30·05	+ ·05	54	48	+ 2	NE	4	bc	*	0	*	59	48	0·12
	Stockholm ...	29·88	55	NE	2	r	29·90	+ ·01	55	53	+ 1	NE	4	0	*	r	*	68	50	0·12
	Wisby	29·83	48	N	4	b	29·84	− ·01	47	46	− 3	NNE	4	0	*	b	*	59	41	—
	Karlstad ...	29·86	62	NE	2	b	29·94	+ ·06	60	56	− 1	NE	2	0	*	b	*	*	*	—
	Bodö	30·03	62	E	2	b	30·10	+ ·04	63	50	+ 1	E	4	b	1	b	*	70	50	—
	Christiansund ...	29·80	62	NE	1	b	29·83	+ ·08	66	55	+ 4	E	3	b	2	b	*	66	54	—
	Skudesnaes ...	29·76	64	E	2	bc	29·76	− ·02	65	56	+ 14	E	4	bc	2	c,bc	*	68	48	*
	Færder (Christiania Fjord)	29·84	63	NNE	2	c	29·93	+ ·06	61	56	+ 1	NE	2	b	1	c	*	66	57	—
	Skagen (The Scaw)	29·83	67	Z	0	b	29·88	+ ·05	63	59	+ 1	ESE	1	m	0	b	*	81	59	—
	Fanö	29·75	67	SE	6	c	29·76	·00	64	60	+ 3	SE	4	c	*	c	*	79	61	—
	Sumburgh Head	29·56	51	SE	3	f	29·61	+ ·01	51	51	+ 1	SE	1	r	3	f	*	52	48	0·16
	Stornoway ...	29·52	53	WNW	5	0	29·59	+ ·08	52	49	+ 1	WNW	2	bc	2	r,0	1·3	56	43	0·05
	Wick	29·53	54	SE	3	bc	29·58	+ ·07	55	53	+ 1	SE	3	0	2	bc	*	58	47	0·08
	Nairn	29·53	56	Z	0	c	29·59	+ ·07	54	52	+ 1	Z	0	0	1	c	*	62	50	0·15
	Aberdeen ...	29·54	54	SSE	4	bcq	29·59	+ ·05	53	52	− 1	E	1	c	2	bq,bcq	8·4	59	46	—
British Isles.	Leith	29·52	64	W	3	b	29·53	− ·02	55	54	0	NE	3	r	*	b	*	67	49	—
	Shields	29·57	56	ESE	3	c	29·51	− ·09	53	53	− 1	NE	4	r	3	c	*	63	52	0·05
	Spurn Head ...	29·59	56	SE	4	c	29·39	− ·22	57	56	+ 1	SE	5	0	5	c,r	*	60	53	0·45
	York														*					
	Loughborough ...	29·58	64	SE	1	0	29·38	− ·30	59	58	+ 3	ESE	1	cm	*	c,or,gm	*	67	52	0·31
	Ardrossan ...																*			
	Malin Head ...	29·60	56	NW	3	bc	29·53	− ·11	52	50	+ 2	NNW	6	bc	3	bc	*	59	50	—
	Belmullet ...	29·64	57	ENE	5	b	29·62	− ·08	55	50	− 1	N	5	0	*	b	*	60	50	—
	Donaghadee ...	29·60	56	NE	2	b	29·49	− ·17	52	51	− 2	NE	4	0	3	b	*	58	44	—
	Liverpool (Bidston)	29·57	58	NW	1	bc	29·35	− ·32	55	53	+ 1	NE	3	r	?	bc,r	*	60	51	0·20
	Holyhead ...	29·57	56	NE	2	c	29·35	− ·33	54	53	− 3	NE	5	rm	3	c,cm	*	59	52	0·65
	Parsonstown ...	29·52	59	E	1	0	29·45	− ·23	52	48	− 2	N	3	og	*	c,0	5·9	63	48	—
	Valencia ...	29·45	53	NE	3	0	29·48	− ·12	55	48	0	NE	6	og	5	ogv	0·1	58	52	0·02
	Roche's Point ..	29·45	55	SE	4	r	29·36	− ·28	51	50	− 6	NNE	5	r	4	r	*	58	48	1·05
	Pembroke (St. Ann's Hd.)	29·52	57	SE	4	0	29·28	− ·40	58	57	− 1	SE	3	og	3	c,0	4·5	60	50	0·31
	Scilly	29·26	55	ESE	7	r	29·15	− ·50	56	56	− 3	ESE	1	r	1	r,b	2·6	60	55	0·58
	Prawle Point ...	29·46	52	ESE	4	r	29·26	− ·44	57	55	0	SSE	4	cp	3	r	*	60	51	0·39
	Jersey (St. Aubin's)	29·51	63	E	4	rmg	29·34	− ·40	64	60	+ 2	SE	4	bcm	3	rmg,og	*	64	60	0·41
	Hurst Castle ...	29·52	60	E	2	c	29·35	− ·37	61	58	+ 1	SSW	4	c	3	c	*	66	55	0·21
	Dungeness ...	29·61	59	ESE	2	c	29·46	− ·21	61	60	+ 2	SSE	4	op	3	b,c	*	63	58	0·09
	North Foreland																*			
	London (Brixton) ...	29·58	63	SE	2	0	29·41	− ·28	61	60	+ 4	SSE	4	0	*	c,0,or	3·4	70	56	0·20
	Oxford	29·63	60	SE	2	0	29·35	− ·35	60	59	+ 5	SE	3	r	*	bc,0,r	*	65	53	0·26
	Cambridge ...														*					
	Yarmouth ...	29·60	59	ESE	3	b	29·47	− ·16	57	56	+ 1	SE	6	rmq	5	c,b	*	59	54	0·26
Germany & Holland.	Cuxhaven ...	29·66	70	S	3	0	29·73	·00	63	59	+ 3	SSE	2	b	*	0	*	73	59	—
	Berlin	29·73	69	ESE	2	b	29·81	+ ·02	63	59	+ 2	ESE	3	b	*	b	*	77	55	—
	Wiesbaden ...	*	*	*	*	*	29·72	− ·04	61	58	+ 2	E	3	b	*	*	*	72	50	0·04
	Munich... ..	29·80	58	SW	4	0	29·83	·00	64	59	+ 3	SE	4	b	*	0	*	72	50	0·04
	The Helder ...	29·67	61	Z	0	b	29·61	− ·05	65	60	+ 5	SE	1	0	1	b	*	66	55	—
Belgium.	Brussels ...	*	*	*	*	*	29·61	− ·14	60	56	+ 3	SE	3	r	*	b	*	70	55	—
	Cape Gris Nez...	29·67	59	E	1	b	29·60	− ·21	63	60	+ 6	SSE	4	0	3	b	*	64	54	—
	Paris	29·63	69	SSE	2	0	29·56	− ·22	62	60	+ 4	SE	2	0	*	0	*	72	58	0·04
	Brest	29·38	59	S	3	r	29·19	− ·55	59	58	+ 4	S	4	0	4	r	*	61	50	0·91
	Lorient... ...	29·44	61	SW	5	r	29·30	− ·45	61	59	+ 8	SSW	6	r	5	r	*	63	53	0·95
France &	Rochefort ...	29·62	64	SW	3	0	29·51	− ·25	61	60	0	SSW	4	r	*	0	*	68	59	0·20
	Belfort	29·76	64	W	3	bc	29·72	− ·02	59	52	− 1	E	5	c	*	bc	*	68	51	—
	Lyons	29·69	72	ESE	1	b	29·68	− ·24	68	59	+ 8	ESE	1	c	*	bc	*	76	60	—
	Nice	29·75	66	SW	2	c	29·76	+ ·04	66	62	+ 1	E	4	0	2	c	*	75	59	—
	Perpignan ...	29·72	74	NE	2	b	29·62	− ·21	68	64	− 2	NE	1	b	*	b	*	81	60	—
	Biarritz ...	29·61	77	E	3	c	29·48	− ·35	67	62	+ 3	ESE	3	c	2	c	*	77	61	—
Penin-sula.	Corunna ...																*			
	Lisbon	29·90	65	SW	4	0	29·87	− ·11	64	59	0	NNW	5	0	*	0	*	73	59	0·12
	Azores (P. Delgada)	30·26	69	W	3	0	30·23	− ·07	71	66	+ 4	NNE	4	0	2	0	*	?	66	—

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

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

Bright Sunshine yesterday Southport 13·5 hrs.

WEATHER CHARTS

FOR Tuesday, 20th June, 1899.

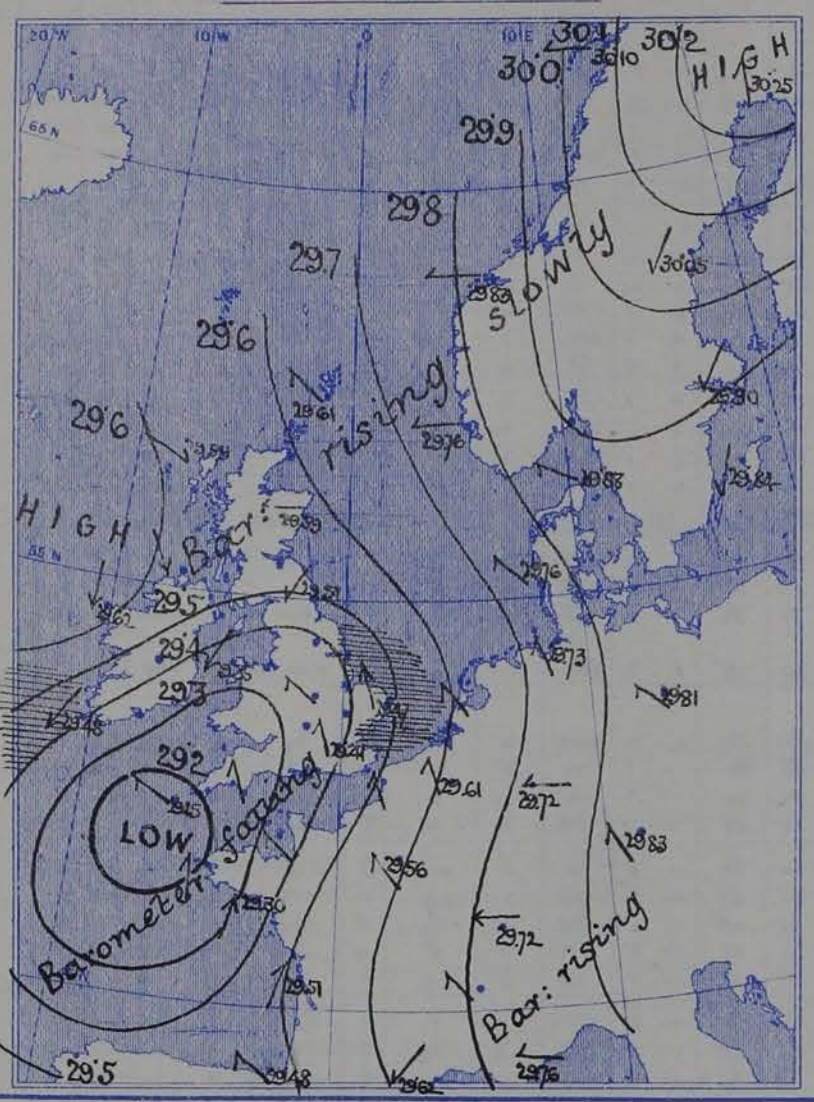
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ; High

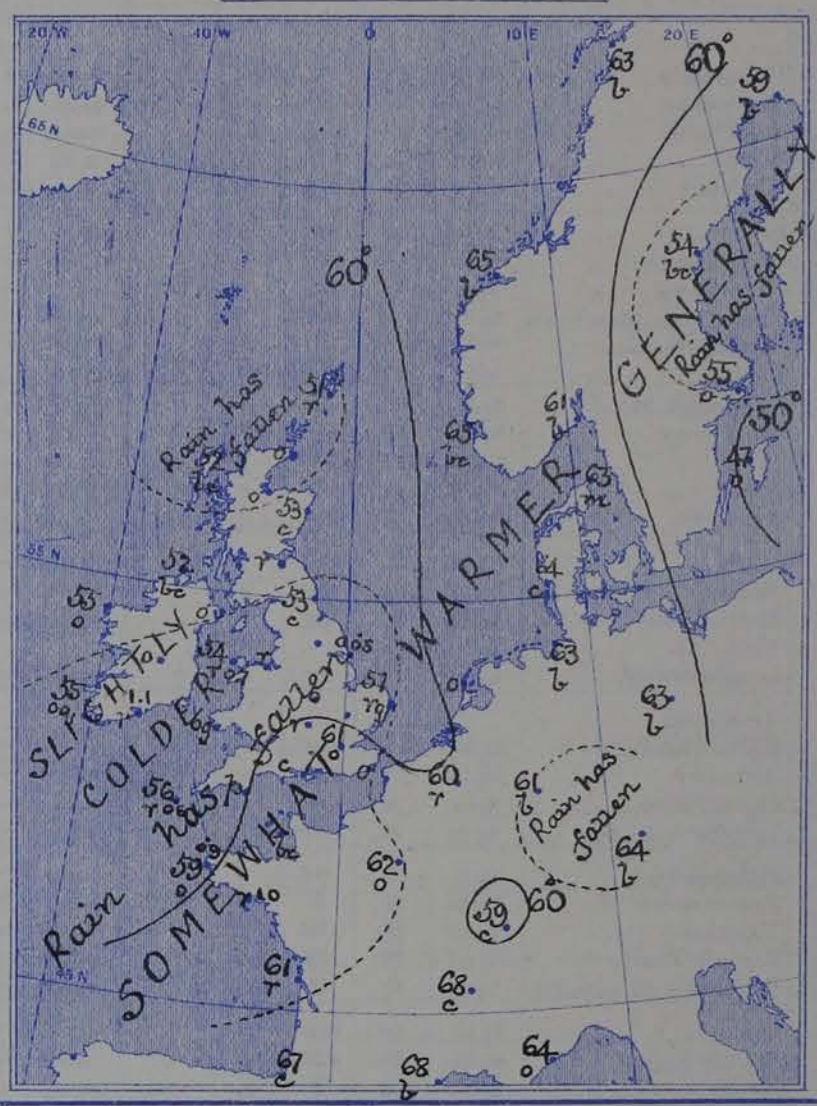


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62 3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest (1) 30.2 ins. and more to 29.9 ins. over the N^rn. parts of Scandinavia; (2) Exceeding 29.6 ins. off the NW. of our Islands; (3) exceeding 29.8 ins. over Germany and Switzerland.
Lowest about 29.1 ins. in a depression near Scilly, and below 29.4 ins. in a 'V' shaped secondary stretching thence in a NE^ly direction across England.
Gradients rather steep over Ireland and England.
Barometer falling fast in the SW., rising in Scotland and Scandinavia.

TEMPERATURE

Highest 68° to 60° over France; above 60° over the S. of England, 65° to 60° over Norway.
Lowest 51° at Sumburgh H., 53° at Aberdeen and Shields, 52° at Malin H., 54° at Holyhead.

WIND

NE^ly, moderate to fresh, over Ireland and the north of England, but S^ly to SSE^ly on our south coast and over the Bay of Biscay and France.
Over Scandinavia it was NE^ly to E^ly, and anticyclonic.
It has blown very freshly at the Irish and English stations during the night.

WEATHER

Dull and rainy on our W. and SW. coasts, showery and changeable over France, Ireland and England generally, fair as a whole (but not settled) in Scotland.
The rainfall has been considerable on our SW. coasts (more than an inch at Roche's P^t.).
Bright sunshine varied from 9 to 11 hours on many parts of the English coasts yesterday, but was much less in Ireland and Scotland.

SEA

Rather rough in the southwest and southeast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 21^st. JUNE 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Varying light winds, slight rain at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	E^ly and NE^ly winds, fresh, some rain.
3	ENGLAND EAST	SE^ly winds, fresh, showers, bright intervals.
4	MIDLAND COUNTIES	Same as No. 2.
5	ENGLAND SOUTH	S^ly and SE^ly breezes, fresh, some showers.
6	SCOTLAND WEST	Same as Nos. 0 and 1
7	ENGLAND N.W.	NE^ly breezes, moderate, rainy.
8	ENGLAND S.W.	Same as No. 5
9	IRELAND NORTH	Same as No. 7.
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.76	68	59	SSE	2	c	2
Sumburgh Head	29.58	51	51	SE	3	f	4
Stornoway	29.51	55	54	NW	5	r	5
Aberdeen	29.53	58	54	SE	4	bq	4
Shields	29.57	62	53	WNW	3	c	2
Ardrossan							
Malin Head ...	29.61	55	52	NW	1	bc	1
Belmullet	29.65	59	52	NNE	2	b	*
Holyhead	29.62	58	52	NNW	2	c	1
Valencia	29.48	56	50	ENE	4	opqv	4
Scilly	29.46	55	53	SE	6	r	4
Jersey	29.64	62	57	SSE	3	og	3
Hurst Castle ...	29.64	63	57	SSW	3	c	2
Dungeness ...	29.66	62	59	SSW	3	b	2
North Foreland							
London (Westminster)	29.63	66	57	2	0	cq	*
Yarmouth ...	29.63	57	55	ENE	3	c	3
Rochefort ...	29.71	66	63	SW	4	o	*

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

Weather in morning fair over the N. of Ireland, fine over N^rn Europe on the one hand, and over the Iberian peninsula on the other; not so fine over central Europe, and rather unsettled and showery over Gt. Britain and the S. of Ireland; Solar halo seen in London at even. Much rain later in the SE. of Ireland, the SW. of England and over Brittany, and showers in many parts of Gt. Britain and France.

Temperature fallen a little in our NE^rn, E^rn stations and over France. Morning reading highest 72° at Algiers, and above 70° at Barcelona and Perpignan; 71° at Odessa, 70° at Nicolaieff. Above 60° over the S^rn and E^rn parts of Europe as a whole; 60° at Hurst Castle, and above 60° over the N^rn parts of Scandinavia. Lowest (1) 38° at Archangel, 54° at St. Petersburg, Stockholm and Nengakrowasser; (2) 50° at Sumburgh H., and 51° to 55° over N. Scotland and the N. of Ireland; touching 67° at Leith and Loughborough later, 70° in London, 72° at Paris, 77° at Berlin, and 81° at Nice.

Wind (1) anticyclonic NE^4 to SE^3 over Scandinavia and Denmark, very variable over central Europe, France and Spain; (2) a definite cyclonic circulation setting in over the south of Ireland and the southwest of England; the latter circulation covering a more extended area later, and blowing with increased force on our western and southern coasts.

Barometer highest (1) 30.2 ins. to 29.8 ins. over N^rn Europe, Sweden and parts of N. Germany; (2) 30.30 ins. at P. Delgada, and 30.0 ins. to 29.8 ins. over SW^rn Europe. Lowest 29.6 ins. and less in a shallow depression over Scotland, and in another disturbance approaching our SW. coasts from WNW. Latter disturbance growing much deeper later and advancing to the mouth of the English Channel.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday 21st June, 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 ...	30·18	58	2	0	b	30·28	+·03	52	44	− 7	2	0	b	*	b	*	70	48	—
	Hernösand ...	30·10	55	NE	4	0	30·14	+·09	50	46	− 4	NE	4	c	*	0	*	59	48	—
	Stockholm ...	29·99	53	NE	4	0	30·03	+·13	54	47	− 1	ENE	6	c	*	0	*	57	50	0·04
	Wisby	29·87	47	NE	4	r	29·92	+·08	50	48	+ 3	ENE	4	0	*	r	*	50	43	0·04
	Karlstad ...	30·00	59	NE	2	b	30·02	+·08	58	51	− 2	N	2	c	*	b	*	*	*	—
	Bodö	30·13	61	2	0	b	30·14	+·04	64	52	+ 1	E	4	b	1	b	*	70	56	—
	Christiansund ...	29·87	68	2	0	b	29·91	+·08	68	62	+ 2	SW	1	b	1	b	*	73	50	—
	Skudesnaes ...	29·82	66	E	4	0	29·91	+·15	65	57	0	E	4	b	2	r.0	*	66	55	*
	Færder (Christiania Fjord)	29·93	66	ENE	2	bc	30·03	+·10	59	53	− 2	NE	2	b	1	bc	*	66	55	—
	Skagen (The Scaw)	29·91	67	ENE	2	bc	29·98	+·10	60	54	− 3	E	4	b	1	b	*	71	57	—
	Fanö	29·79	67	ESE	6	b	29·80	+·04	62	59	− 2	E	4	b	*	b	*	79	59	—
British Islands.	Sumburgh Head	29·70	53	SE	2	0	29·78	+·17	53	53	+ 2	ESE	3	r	4	0	*	55	50	0·18
	Stornoway ...	29·59	57	ENE	3	c	29·61	+·02	59	58	+ 7	ENE	2	c	2	c	5·9	62	50	0·10
	Wick	29·59	56	SE	3	r	29·68	+·10	55	54	0	SE	3	m	2	r	*	59	52	0·05
	Nairn	29·55	53	E	2	r	29·62	+·03	59	57	+ 5	E	2	0	0	r	*	60	51	0·05
	Aberdeen ...	29·54	53	SE	7	ogq	29·67	+·08	56	55	+ 3	E	1	c	3	ogp.rq	0·1	57	51	0·25
	Leith	29·44	56	ENE	3	0	29·60	+·07	56	56	+ 1	ENE	2	r	*	0	*	57	52	0·18
	Shields	29·43	55	ESE	3	0	29·54	+·03	56	55	+ 3	N	3	p	3	r.0	*	57	51	0·40
	Spurn Head ...	29·42	59	ESE	5	c	29·51	+·12	61	60	+ 4	ESE	3	c	3	o.c.p	*	61	54	0·01
	York														*					
	Loughborough ...	29·37	65	SE	2	0	29·50	+·12	65	60	+ 6	SE	2	cw	*	o.cp.bc	*	68	53	0·01
	Ardrossan ...																*			
	Malin Head ...	29·52	50	N	5	r	29·56	+·03	53	53	+ 1	N	4	bcm	4	r	*	54	49	0·38
	Belmullet ...	29·63	56	NNE	6	c	29·66	+·04	54	51	− 1	N	5	bc	*	o.c	*	57	50	0·03
	Donaghadee ...	29·44	54	ENE	5	cp	29·51	+·02	57	56	+ 5	NE	3	bc	3	cp.br	*	58	50	0·32
	Liverpool (Bidston)	29·33	65	ESE	2	c	29·48	+·13	61	58	+ 6	E	3	0	2	c.brr	*	71	55	0·80
	Holyhead ...	29·33	55	N	3	cbr	29·44	+·09	64	61	+ 10	NE	2	c	1	cmp.brr	*	64	53	0·29
	Parsonstown ...	29·45	52	NW	2	r	29·52	+·07	51	50	− 1	NW	1	or	*	or	0·0	54	49	0·64
	Valencia ...	29·52	55	N	6	ogq	29·62	+·14	54	51	− 1	N	6	opq	6	ogq	0·3	57	51	0·05
	Roche's Point ..	29·37	55	N	6	0	29·49	+·13	54	52	+ 3	N	7	p	4	0	*	56	49	0·25
	Pembroke (St. Ann's Hd.)	29·27	58	NW	2	0	29·43	+·15	57	55	− 1	SSE	4	c	3	0	1·7	62	57	0·45
	Scilly	29·19	60	NNW	3	c	29·35	+·20	57	56	+ 1	NNW	6	oq	4	cp.c	6·5	62	55	0·21
	Prawle Point ...	29·24	57	SSE	4	bcp	29·40	+·14	57	55	0	SSW	4	bcp	4	bcp	*	62	51	0·22
	Jersey (St. Aubin's)	29·31	62	S	4	cpq	29·49	+·15	60	57	− 4	S	4	oq	3	bc.cqp	*	66	56	0·05
	Hurst Castle ...	29·34	62	SSE	4	cp	29·48	+·13	62	57	+ 1	S	3	c	2	c.cp	*	69	57	0·03
	Dungeness ...	29·42	62	SE	4	c	29·54	+·08	61	60	0	S	3	b	2	0.c	*	64	57	0·01
	North Foreland																*			
	London (Brixton) ...	29·39	68	SSE	3	bc	29·53	+·12	62	57	+ 1	S	1	c	*	0.bc.c	2·1	71	55	—
	Oxford	29·37	63	SE	3	c	29·49	+·14	62	57	+ 2	SE	2	0	*	c	*	70	55	0·04
	Cambridge ...														*					
	Yarmouth ...	29·48	58	SE	5	c	29·57	+·10	59	57	+ 2	SE	3	b	3	cmg.c	*	59	56	0·01
Germany & Holland.	Cuxhaven ...	29·66	70	E	3	0	29·71	−·02	62	59	− 1	E	4	b	*	0	*	73	59	—
	Berlin	29·74	71	E	3	b	29·76	−·05	62	57	− 1	E	4	b	*	b	*	79	58	—
	Wiesbaden ...	*	*	*	*	*	29·60	−·12	66	62	+ 5	NE	3	b	*	*	*	77	59	—
	Munich... ..	29·73	66	SE	2	c	29·67	−·16	66	61	+ 2	2	0	c	*	c	*	75	54	—
	The Helder ...	29·55	63	2	0	c	29·58	−·03	65	62	0	2	0	bc	0	c	*	70	61	—
France & Belgium.	Brussels ...	*	*	*	*	*	29·60	−·01	64	61	+ 4	ESE	1	0	*	r	*	73	53	0·04
	Cape Gris Nez...	29·50	64	SSW	3	c	29·55	+·05	61	57	− 2	S	2	bc	2	c	*	70	55	—
	Paris	29·50	62	NW	3	r	29·58	+·02	62	58	0	SW	2	b	*	br	*	76	55	0·16
	Brest	29·28	59	W	3	0	29·46	+·27	56	54	− 3	WNW	2	0	3	0	*	61	52	0·16
	Lorient... ...	29·36	64	WSW	6	bc	29·50	+·20	58	55	− 3	W	5	c	5	bc	*	68	55	—
	Rochefort ...	29·49	64	SSW	6	c	29·57	+·06	60	57	− 1	NW	4	c	*	r,c	*	66	53	1·26
	Belfort	29·51	70	ENE	4	b	29·57	−·15	61	60	+ 2	2	0	m	*	b	*	76	57	0·47
	Lyons ... ... †	29·56	71	SW	3	r	29·62	+·02	59	54	− 4	WSW	1	r	*	r	*	84	56	1·18
	Nice	29·78	65	E	4	c	29·58	−·18	60	55	− 4	E	6	0	3	c	*	75	57	0·35
	Perpignan ...	29·51	56	NE	2	0	29·62	·00	59	55	− 9	NW	3	0	*	0	*	79	56	0·04
	Biarritz ...	29·62	64	NW	5	0	29·65	+·17	60	55	− 7	NW	5	r	5	0	*	72	54	0·51
Penin-sula.	Corunna ...																*			
	Lisbon	29·89	62	WNW	4	0	29·92	+·05	62	57	− 2	NW	3	bc	*	0	*	70	57	0·28
	Azores (P. Delgada)	30·23	69	NNW	4	b	30·26	+·03	65	64	− 6	NE	4	0	3	b	*	77	63	0·04

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

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

Bright Sunshine yesterday Southport... 2·5 hrs;

WEATHER CHARTS

FOR Wednesday, 21st June, 1899.

BAROMETER, WIND AND SEA.

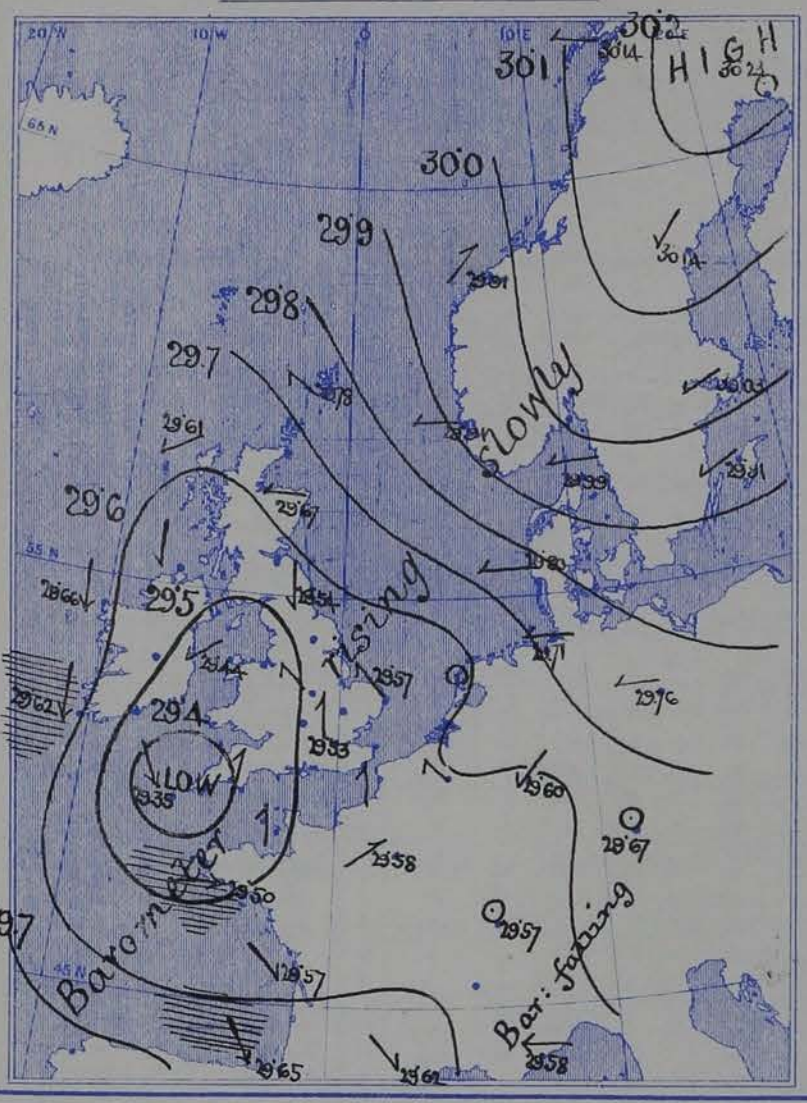
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ; High

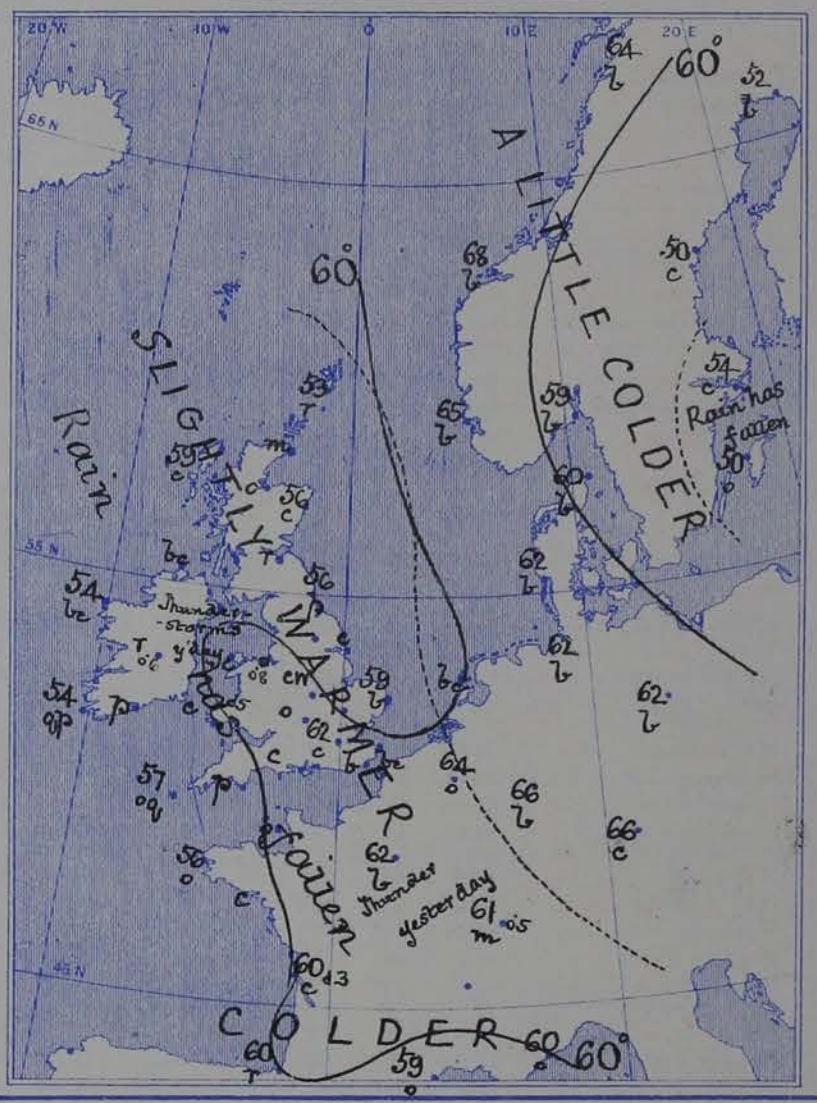


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 013	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 · 0	81	1877, 88	40	1892	1 · 86	—	—

* 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 30.28 ins. at Haparanda, and 30.2 ins. to 29.9 ins. over Scandinavia generally.
Lowest 29.4 ins. and less, in a depression still lying over Cornwall.
Gradients moderate
Barometer rising a little in most places. The depression in the S.W. filling up slowly.

TEMPERATURE

Highest 62° to 60° over Germany, France and the greater part of England; 64° both at Holyhead and Bodö, 65° at Skudesnaes, and 68° at Christiansund.
Lowest 50° at Hernösand and Wisby, 53° at Sumburgh Hd. and Malin Hd., 51° at Parsonstown, 54° in the W. and S. of Ireland.
It exceeded 70° in several parts of England yesterday, and touched 76° at Paris, 79° at Berlin and Perpignan.

WIND

Moderate generally. It was S. to SE. in direction over England, E. (light) in Scotland, N. in Ireland, NW. to W. over the Bay of Biscay.

WEATHER

Fine and bright over Scandinavia, Denmark and Germany, cloudy in most parts of our Islands and France, with showers locally.
Thunderstorms have been very prevalent in the NW. of our Islands, and locally over France.
Rain has been very general over the United Kingdom, and W. of France, the amounts being large at Rochefort, and considerable at several of the Irish stations.
Bright Sunshine yesterday was considerable at Scilly and Stornoway only.

SEA

Rather rough over the Bay of Biscay, moderate on our W. and SW. coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression's centre is still over Cornwall and the system is filling up slowly.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	E. winds, light; fair as a whole.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SE. and E. winds, local showers, some thunder, bright intervals.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	S. and SW. winds, local showers, bright intervals, possibly thunder.
6	SCOTLAND WEST	NE. breezes, light; fair as a whole.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NW. and N. winds, fresh; some showers.
9	IRELAND NORTH	N. and NW. winds, moderate; cloudy, rain at times.
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.80	60	55	ESE	4	r	2
Sumburgh Head	29.64	54	54	SE	2	o	3
Stornoway	29.58	62	58	ESE	2	c	2
Aberdeen	29.58	52	51	NE	3	ogp	3
Shields	29.43	55	55	ESE	3	o	3
Ardrossan							
Malin Head ...	29.51	51	50	N	5	r	5
Belmullet	29.61	57	51	NNE	5	o	*
Holyhead	29.30	63	60	E	2	cmp	1
Valencia	29.50	56	51	N	5	ogq	6
Scilly	29.17	59	57	NNW	4	cp	2
Jersey	29.31	65	61	SE	4	bc	3
Hurst Castle ...	29.34	69	60	SE	5	c	3
Dungeness ...	29.46	64	63	SSE	4	o	3
North Foreland							
London (Westminster)	29.40	69	62	SE	4	o	*
Yarmouth ...	29.47	59	57	SE	5	cmg	5
Rochefort ...	29.53	64	63	SSW	6	r	*

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

Weather in morning fine and bright over N^rn Europe, Russia, Germany, Italy, and at many of the Mediterranean stations; cloudy and unsettled over the British Islands and the N. and W. of France, with rain in many places. Rain falling later in all the last named regions – heavily at Rochefort and Lyons, and in considerable quantity at several of our N^rn stations.

Temperature not changing very decidedly except over Algeria and Greece. Morning reading highest 80° at Algiers, 79° at Sfax, 75° at Barcelona, 72° at Athens; 64° at Nice, 61° at Lorient, and also at Hurst Castle, Dungeness and Copenhagen. Considerably above 60° over Russia and Norway also. Lowest (1) 38° at Archangel, 50° at Kuopio; (2) 51° at Stornoway, 52° at Parsonstown, 53° at Aberdeen and Shields. Rising later to a little above 70° in several parts of England to 76° at Paris, 79° at Berlin and Perpignan.

Wind (1) light to moderate from NE. to E. over northern Europe; very light from various directions over eastern Europe and the Mediterranean; (2) Cyclonic and moderate to fresh in force over our Islands and their neighbourhood – viz. S^ly to SE^ly over England, E^ly in Scotland, and NE^ly over Ireland.

Barometer highest (1) 30.2 ins. and more to 29.9 ins over N^rn Europe, Norway and Sweden; (2) 29.9 ins to 29.7 ins over the S^rn parts of Spain and over the N. of Africa. Lowest 29.2 ins. to 29.1 ins. in a depression at the mouth of the Channel, and below 29.6 ins. in another shallow system over the S^rn half of Russia. The system near Scilly moving very little later, but beginning to fill 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); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Thursday 22nd June 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 ...	30·19	56	W	2	b	30·24	−·04	57	47	+ 5	E	4	b	#	b	#	63	45	—
	Hernösand ...	30·17	50	NE	2	b	30·19	+·05	53	46	+ 3	E	2	b	#	b	#	61	48	—
	Stockholm ...	30·05	53	NE	2	o	30·02	−·01	54	47	o	ENE	4	c	#	o	#	59	48	—
	Wisby	29·94	46	E	4	b	29·91	−·01	53	47	+ 3	ENE	6	b	#	b	#	59	41	—
	Karlstad ..	30·02	60	ENE	2	bc	30·01	−·01	56	48	− 2	NNE	2	b	#	bc	#	#	#	—
	Bodö	30·21	63	NW	1	b	30·18	+·04	64	53	o	E	4	b	1	b	#	70	52	—
	Christiansund ...	29·99	64	Z	o	b	29·94	+·03	66	60	− 2	W	1	b	o	b	#	68	?52	—
	Skudesnaes ...	29·97	63	E	2	b	29·98	+·07	63	56	− 2	NE	2	b	1	b	#	65	54	#
	Færder (Christiania Fjord)	29·96	69	Z	o	b	30·02	−·01	56	48	− 3	NE	4	b	2	b	#	70	54	—
	Skagen (The Scaw)	29·94	67	E	2	b	29·97	−·01	58	53	− 2	E	3	b	o	b	#	75	57	—
	Fanö	29·84	62	E	6	c	29·83	+·03	59	54	− 3	E	5	r	#	c	#	75	55	—
	Sumburgh Head	29·87	54	ESE	3	o	29·93	+·15	51	48	− 2	ESE	2	bc	5	o	#	54	49	0·07
	Stornoway ...	29·68	65	E	2	c	29·75	+·14	61	59	+ 2	Z	o	c	0	bc, c	6·3	68	50	—
	Wick	29·77	57	SE	3	mw	29·86	+·18	56	54	+ 1	SE	3	bc	4	m	#	60	50	0·05
	Nairn	29·69	59	E	1	o	29·80	+·18	59	58	o	Z	o	ow	o	ow	#	67	54	0·07
	Aberdeen ...	29·75	54	SE	3	o	29·87	+·20	57	55	+ 1	SE	2	c	3	rg, og	0·5	59	52	0·16
	Leith	29·64	57	E	3	o	29·80	+·20	56	56	o	ENE	1	r	#	o	#	58	54	0·26
	Shields	29·65	58	E	2	o	29·75	+·21	55	55	− 1	NE	3	o	3	c, o, r	#	60	53	0·34
	Spurn Head ...	29·64	59	ESE	4	c	29·67	+·16	54	54	− 7	ENE	4	o	4	c, p, r	#	65	53	0·20
	York														#					
	Loughborough ...	29·60	70	SE	1	c	29·69	+·19	58	57	− 7	N	1	ogmd	#	bc, c, op	#	74	58	0·01
British Islands.	Ardrossan ...														#		#			
	Malin Head ...	29·63	55	N	3	bb	29·73	+·17	56	56	+ 3	E	1	f	1	bc, bb r	#	58	?53	0·31
	Belmullet ...	29·74	56	N	5	o	29·78	+·12	58	56	+ 4	NNE	1	o	#	o	#	59	53	0·01
	Donaghadee ...	29·61	61	NE	3	bc	29·76	+·25	56	55	− 1	NNE	3	c	2	bc	#	65	51	—
	Liverpool (Bidston)	29·59	70	SE	1	bc	29·71	+·23	60	58	− 1	ENE	1	o	1	bc, m	#	73	59	0·06
	Holyhead ...	29·59	62	NW	1	b	29·69	+·25	59	57	− 5	NW	1	ow	1	c, b	#	68	56	—
	Parsonstown ...	29·60	57	NW	1	o	29·76	+·24	57	56	+ 6	NW	1	o	#	o, bb r	0·0	59	50	0·20
	Valencia ...	29·71	56	NNW	5	ogq	29·80	+·18	56	55	+ 2	WNW	1	ow	3	ogq	1·1	57	53	—
	Roche's Point ..	29·60	58	N	5	c	29·75	+·26	59	56	+ 5	N	3	b	3	p, c	#	59	52	0·10
	Pembroke (St. Ann's Hd.)	29·60	61	SE	2	c	29·76	+·33	61	58	+ 4	SE	2	b	2	c	4·0	64	52	—
	Scilly	29·52	58	NW	4	o	29·70	+·35	59	57	+ 2	NW	3	c	3	ow	1·6	61	55	0·02
	Prawle Point ..	29·57	56	SE	4	c	29·72	+·32	58	56	+ 1	S	2	bc	2	c,	#	62	55	—
	Jersey (St. Anbin's)	29·59	64	SE	2	bc	29·72	+·23	59	56	− 1	W	3	c	3	bc	#	66	54	—
	Hurst Castle ...	29·61	66	S	2	c	29·68	+·20	64	59	+ 2	NNE	1	bcm	1	bc, c	#	67	54	—
	Dungeness ...	29·61	62	ESE	2	o	29·62	+·08	62	61	+ 1	NNW	3	m	1	c, o	#	67	58	—
	North Foreland														#		#			
	London (Brixton) ...	29·61	68	SSE	2	o	29·66	+·13	63	59	+ 1	Z	o	o	#	c, b, m	3·1	73	55	—
	Oxford	29·63	64	SW	1	bc	29·68	+·19	61	59	− 1	SSW	1	c	#	bc	#	69	53	—
	Cambridge ...														#					
	Yarmouth ...	29·63	60	E	1	bc	29·63	+·06	56	55	− 3	ENE	4	cd	4	c, bc	#	61	55	0·11
Germany & Holland.	Cuxhaven ...	29·71	67	E	5	b	29·78	+·02	56	53	− 6	E	6	o	#	b	#	68	54	—
	Berlin	29·72	61	NE	5	b	29·67	−·09	55	53	− 7	NE	3	o	#	b	#	75	53	—
	Wiesbaden ...	#	#	#	#	#	29·51	−·09	66	65	o	E	2	o	#	#	#	77	63	?3·54
	Munich... ..	29·58	66	Z	o	o	29·58	−·11	64	58	− 2	W	5	o	#	o	#	77	53	—
	The Helder ...	29·59	66	Z	o	r	29·61	+·03	59	56	− 6	ENE	4	bc	3	r	#	68	55	0·25
Belgium.	Brussels ...	#	#	#	#	#									#		#			
	Cape Gris Nez...														#		#			
	Paris	29·62	63	E	1	o	29·63	+·05	57	56	− 5	W	2	o	#	o	#	67	57	0·32
	Brest	29·61	57	W	3	r	29·73	+·27	57	55	+ 1	NW	2	c	2	r	#	59	52	0·12
	Lorient... ...	29·65	59	W	4	bc	29·74	+·24	59	57	+ 1	Z	o	c	5	bc	#	68	55	0·08
France &	Rochefort ...	29·67	63	WNW	4	o	29·75	+·18	60	57	o	WNW	4	o	#	o	#	70	55	—
	Belfort	29·54	64	W	3	o	29·62	+·05	53	53	− 8	SW	6	r	#	o	#	70	50	0·20
	Lyons	29·60	55	WNW	3	r	29·74	+·12	55	54	− 4	WNW	2	r	#	r	#	64	53	1·42
	Nice	29·60	61	SW	1	c	29·66	+·08	60	56	o	Z	o	b	3	c	#	?	55	0·39
	Perpignan ...	29·70	59	SSW	2	o	29·80	+·18	57	52	− 2	W	3	o	#	o	#	70	53	0·28
	Biarritz ...	29·72	62	WNW	5	c	29·81	+·16	57	55	− 3	WSW	6	r	5	c	#	64	55	0·20
Peninsula.	Corunna ...														#		#			
	Lisbon	30·06	59	N	4	b	30·15	+·23	62	55	o	NW	4	bc	#	b	#	66	57	—
	Azores (P. Delgada)	30·37	64	NE	3	bc	30·37	+·11	68	63	+ 3	NNW	2	bc	2	bc	#	73	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 now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 9·0 hrs;

WEATHER CHARTS

FOR Thursday, 22nd June, 1899.

BAROMETER, WIND AND SEA.

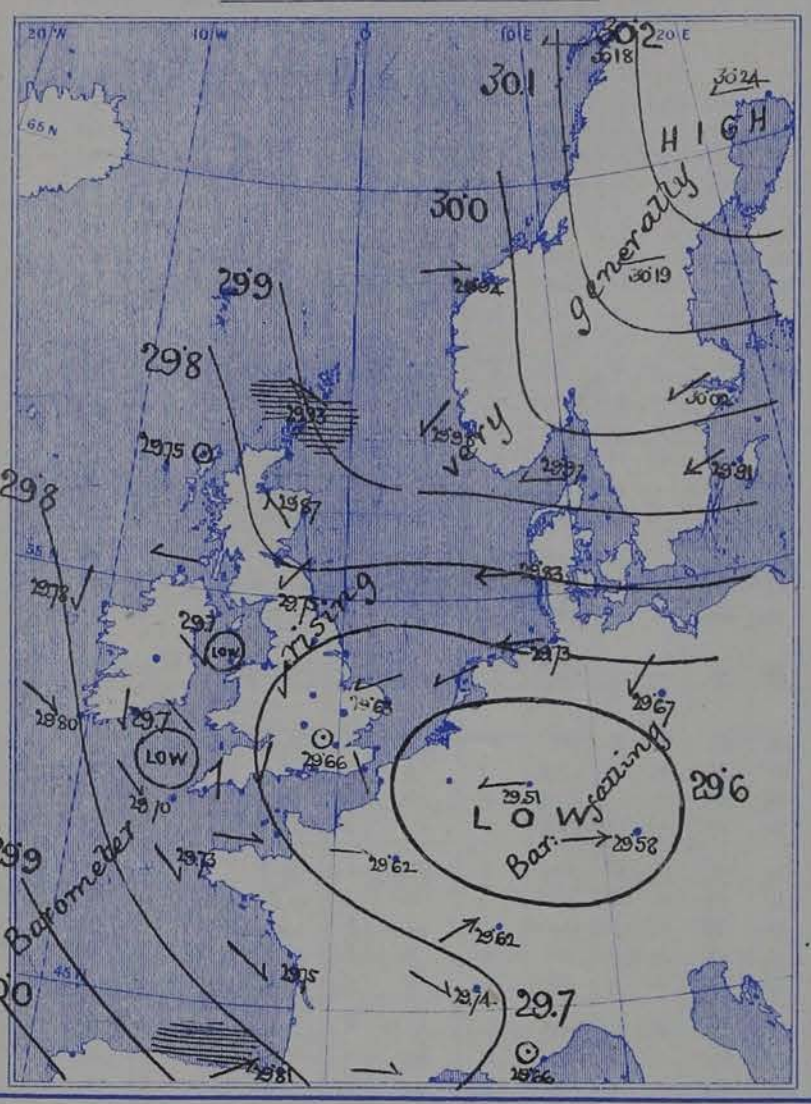
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⟶⟶ ; Force 5 to 7 ⟶ ; } Calm ⊙

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▦

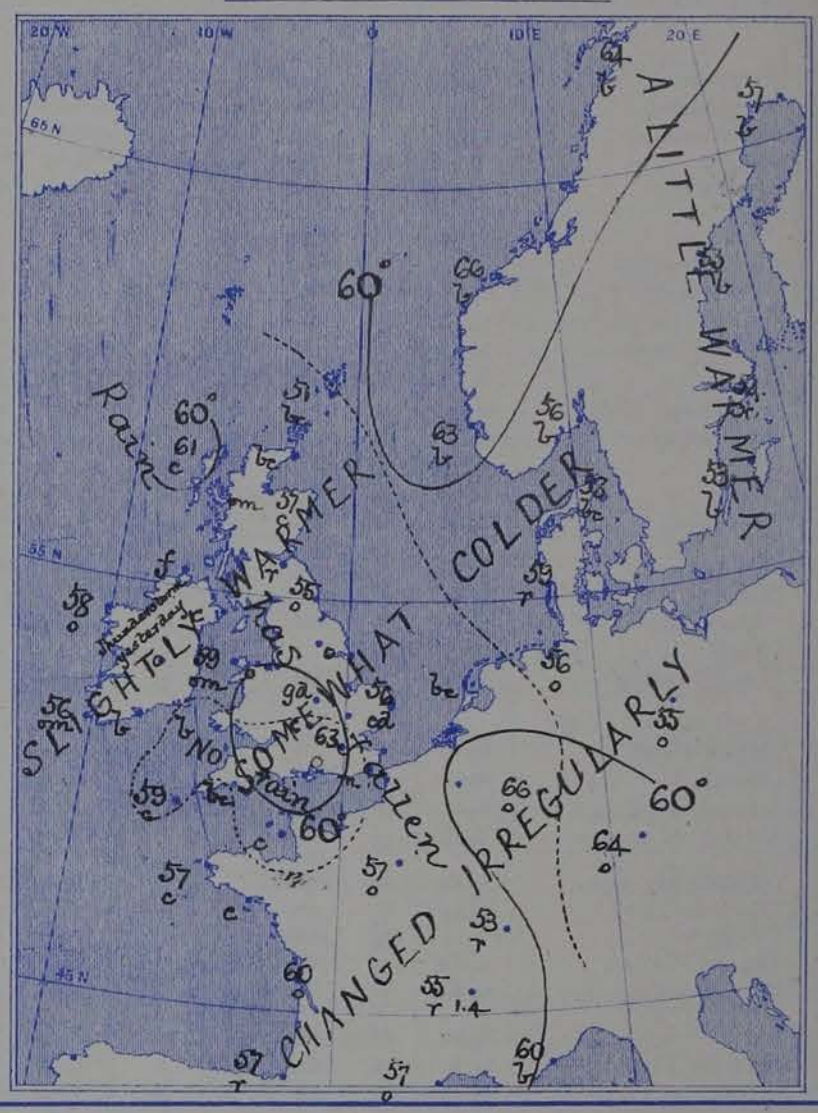


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	42	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 013	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 0	81	1877, 88	40	1892	1 · 86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest (1) 30.24 ins. at Haparanda, and varying between that value and 30.0 ins. over nearly whole of Scandinavia; (2) 30 ins. and more to 29.9 ins. over the Iberian Peninsula. Lowest 29.6 ins. and less over W^rn Germany and the E. of France, and 29.7 ins. & less over Cornwall & Devon. Gradients slight and irregular. Barometer rising over our Islands, falling over Germany.

TEMPERATURE — Highest 66° to 63° in the W. of Norway, 60° and more over many parts of England and Germany. Lowest 51° at Dunbeagh Hd., 54° at Spurn Hd., 55° at North Shields, 57° at Parsonstown. The maxima recorded during yesterday were 74° at Loughborough, 73° at Liverpool & in London, 77° at Wiesbaden.

WIND — E. to NE., and light over all the N^rn countries of northwestern Europe, W. and NW. in the south, very variable and light over Ireland and the south of England.

WEATHER — Still fine over N^rn Europe, cloudy in our Islands, France and Germany, with rain in some local. Rain has fallen very generally in the NE. and E. and considerable quantities over France (1.4 ins. at Lyons). Thunderstorms have again occurred on our NW. coasts and at the Helder. Bright Sunshine recorded yesterday ranged from 9 to 11 hours on our SE. coasts and at Southport, but was slight in Ireland.

SEA — Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over Germany appears to be moving westwards; that over Cornwall has almost disappeared.

FORECASTS

For the 24 hours ending at NOON on 23RD JUNE. 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SE. airs and calms; fair as a whole
1	SCOTLAND EAST	
2	ENGLAND N.E.	NE. breezes, moderate; some showers
3	ENGLAND EAST	Same as No. 5
4	MIDLAND COUNTIES	Same as No. 2
5	ENGLAND SOUTH	Variable airs; some local showers, possibly thunder; unsettled
6	SCOTLAND WEST	Same as No. 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as No. 5
9	IRELAND NORTH	NE. to NW. and varying airs, fair.
10	IRELAND SOUTH	
	WARNINGS	None issued

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...							
Sumburgh Head	29.84	54	53	ESE	4	o	5
Stornoway	29.67	68	63	NE	2	bc	2
Aberdeen	29.71	55	54	NE	3	ogr	4
Shields	29.62	59	58	NNE	2	c	3
Ardrossan							
Malin Head ...	29.61	58	57	NE	2	bc	3
Belmullet	29.71	57	53	N	5	o	*
Holyhead	29.54	66	60	SSW	2	c	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.68	58	52	N	7/6	ogq/	6
Scilly	29.48	58	56	NNW	6	omr	4
Jersey	29.55	65	60	SSE	3	bc	3
Hurst Castle ...	29.57	67	60	S	2	bc	2
Dungeness ...	29.60	67	64	SW	2	c	1
North Foreland							
London (Westminster)	29.58	70	61	S	3	c	*
Yarmouth ...	29.61	61	59	SE	2	c	2
Rochefort ...	29.65	68	61	NW	4	c	*

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

Weather in morning fine and bright over the Nrn. countries of Continental Europe, fine also over central Europe and the SE of England; changeable and unsettled elsewhere. Rain falling during the day, except over Scandinavia and the S of England, the amount reported being large at Lyon.

Temperature fallen over France, risen over Scotland and Norway. Morning reading highest 79° at Brindisi, 75° at Athens, 74° at Algiers; above 60° over nearly the whole of France, central Europe and the central half of England, 64° to 68° in Norway, 65° at the Helder. Lowest (1) 41° at Archangel, 48° at Kuopio, 50° at Moscow; (2) 51° at Parsondstown, 53° at Stornoway, 56° at Aberdeen and Shields. Rising later to between 70° and 74° over England & to 77° at Wiesbaden, but not touching 70° at Paris or in any part of Scotland and Ireland.

Wind E. ½ to NE. ½ moderate to strong over the northern countries of Europe, N. ½ in Ireland, NW. ½ and W. ½ in the west of France, Spain and Algeria. Blowing strongly from the Nrd. in some parts of Ireland during day.

Barometer highest (1) 30.2 ins. and more to 29.9 ins. over Nrn. Europe as a whole; (2) 30.26 ins. at P. Delgada; 29.9 ins. and more over the SW of Spain as well as in some parts of Greece. Lowest (1) 29.4 ins. and less in a depression over Cornwall and the mouth of the Channel, and below 29.6 ins. in certain irregularities over France and the Netherlands; (2) below 29.7 ins. in a large depression over the S of Russia. Rising in our Islands later, but falling in Germany.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 23rd June, 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 ...	30.20	54	E	4	bc	0.18	-.06	56	47	- 1	N	2	b	*	bc	*	64	46	-
	Hernösand ...	30.12	52	N	4	b	30.12	-.07	50	43	- 3	NE	6	b	*	b	*	70	45	-
	Stockholm ...	29.99	51	N	4	b	29.94	-.08	53	44	- 1	NE	6	b	*	b	*	59	45	-
	Wisby	29.90	46	NE	4	o	29.82	-.09	53	46	0	N	8	b	*	o	*	54	45	-
	Karlstad ...	30.02	56	NE	2	c	29.94	-.07	54	48	- 2	NNE	2	o	*	c	*	*	*	-
	Bodö	30.22	67	E	2	b	30.19	+.01	64	52	0	E	4	b	1	b	*	70	54	-
	Christiansund ...	29.92	70	ESE	1	b	29.93	-.01	66	55	0	E	3	b	2	b	*	70	54	-
	Skudesnaes ...	29.93	60	NW	2	b	29.98	.00	58	54	- 5	ESE	2	b	1	b	*	72	54	*
	Færder (Christiania Fjord)	29.91	62	SE	4	b	29.97	-.05	57	50	+ 1	N	2	b	1	b	*	64	55	-
	Skagen (The Scaw)	29.93	62	ENE	4	b	29.94	-.03	57	50	- 1	ENE	3	c	0	b	*	73	55	-
	Fanö	29.88	59	E	2	b	29.86	+.03	56	51	- 3	NE	4	c	*	b	*	70	50	-
	Sumburgh Head	29.95	56	NE	1	c	29.93	.00	57	55	+ 6	NE	1	c	3	bc.c	*	59	48	-
	Stornoway ...	29.82	63	S	1	o	29.85	+.10	57	56	- 4	W	2	o	0	p.o	0.9	63	54	0.18
	Wick	29.89	57	SE	2	bc	29.91	+.05	55	53	- 1	SE	1	bc	1	bc	*	61	50	-
	Nairn	29.83	65	ESE	2	c	29.89	+.09	58	55	- 1	W	0	c	1	c	*	71	51	0.02
	Aberdeen ...	29.92	56	ESE	2	b	29.94	+.07	56	54	- 1	SE	2	c	2	bc.b	7.0	61	50	-
British Islands.	Leith	29.85	60	E	3	o	29.93	+.13	57	54	+ 1	ENE	1	o	*	o	*	60	51	0.01
	Shields	29.85	56	ENE	3	c	29.90	+.15	55	53	0	NE	1	c	3	o.c	*	58	52	-
	Spurn Head ...	29.78	54	NE	4	o	29.87	+.20	60	57	+ 6	NE	3	bc	3	c.o	*	60	52	-
	York														*					
	Loughborough ...	29.77	58	NNE	3	o	29.87	+.18	58	54	0	NE	2	c	*	gmr.p.o	*	59	54	0.14
	Ardrossan ...																*			
	Malin Head ...	29.78	58	ESE	4	m	29.88	+.15	56	56	0	NNW	1	m	2	o m	*	59	54	-
	Belmullet ...	29.83	61	NNW	1	bc	29.92	+.14	58	55	0	NNW	1	o	*	o.bc	*	64	52	-
	Donaghadee ...	29.81	57	ENE	2	c	29.90	+.14	54	53	- 2	ENE	2	o g	2	c	*	60	50	-
	Liverpool (Bidston)	29.78	58	NE	2	o	29.89	+.18	57	56	- 3	E	1	o	?	o g	*	62	54	-
	Holyhead ...	29.77	59	NE	2	o m	29.88	+.19	56	55	- 3	NNE	2	g m r	1	o m	*	68	55	0.07
	Parsonstown ...	29.84	68	W	1	b	29.92	+.16	55	54	- 1	SW	1	o	*	b	9.1	71	49	-
	Valencia ...	29.84	57	W	2	o	29.94	-.14	59	57	+ 3	W	0	c m	3	o	0.5	61	53	-
	Roche's Point ...	29.80	64	WSW	3	bc	29.92	+.17	61	58	+ 2	N	3	bc	3	bc	*	66	55	-
	Pembroke (St. Ann's Rd.)	29.79	60	NW	3	o	29.90	+.14	57	56	- 4	NW	3	o m	2	b.o	11.7	61	55	-
	Scilly	29.81	59	WNW	4	o	29.89	+.19	59	57	0	WNW	3	c	2	c.o	6.1	62	56	-
	Prawle Point ...	29.75	63	WSW	3	bc	29.86	+.14	59	58	+ 1	NNW	1	o	1	bc	*	65	55	-
	Jersey (St. Aubin's)	29.76	63	W	4	b	29.85	+.13	59	58	0	WNW	5	f	3	b	*	66	58	0.01
	Hurst Castle ...	29.70	66	NNE	2	o g v	29.82	+.14	64	59	0	NE	2	f c	2	bc.o g v	*	70	57	0.02
	Dungeness ...	29.65	60	N	4	o	29.78	+.16	59	58	- 3	N	4	o	3	r.o	*	64	57	0.04
	North Foreland																*			
	London (Brixton) ...	29.69	61	NNE	3	o g d	29.83	+.17	59	56	- 4	NNE	2	o	*	o r.c	0.0	67	55	0.17
	Oxford	29.77	58	NNE	2	o	29.85	+.17	59	55	- 2	NNE	3	o	*	c p.o	*	70	54	-
	Cambridge ...														*					
	Yarmouth ...	29.69	57	NNE	5	c	29.83	+.20	58	56	+ 2	NE	4	bc	4	bc.c	*	60	55	0.01
Germany & Holland.	Cuxhaven ...	29.73	?	ENE	5	bc	29.79	+.06	55	51	- 1	NNE	2	b	*	bc	*	61	52	-
	Berlin	29.66	59	N	5	c	29.66	-.01	55	51	0	NNW	3	o	*	c	*	63	54	-
	Wiesbaden ...	*	*	*	*	*	29.69	+.18	60	56	- 6	SW	3	o	*	*	*	68	55	0.39
	Munich	29.69	59	SW	5	b	29.73	+.15	55	53	- 9	W	5	o	*	b	*	70	54	-
	The Helder ...	29.86	62	ENE	3	bc	29.77	+.16	60	54	+ 1	ENE	3	b	3	bc	*	64	57	-
France & Belgium.	Brussels ...	*	*	*	*	*	29.72		57	55		NNE	3	o	*	o	*	65	54	0.04
	Cape Gris Nez ...	29.68	56	NE	4	o	29.76		57	56		ENE	4	o	4	o	*	59	54	0.20
	Paris	29.63	59	NNW	3	r	29.70	+.04	58	58	+ 2	NNW	3	o	*	r	*	60	56	0.55
	Brest	29.85	59	NW	2	o	29.92	+.19	56	53	- 1	NW	3	bc	3	o	*	61	52	-
	Lorient	29.85	63	NW	5	bc	29.91	+.17	57	55	- 2	NNW	4	c	5	bc	*	66	55	-
	Rochefort ...	29.82	63	NW	5	o	29.91	+.16	62	57	+ 2	NNW	6	o	*	c.o	*	68	57	0.04
	Belfort	29.68	53	SW	7	o	29.65	+.03	57	51	+ 4	W	2	bc	*	o	*	57	45	0.12
	Lyons	29.78	56	NNE	1	r	29.76	+.02	52	52	- 3	S	2	r	*	r	*	?	51	1.26
	Nice	29.65	64	E	6	c	29.59	-.07	64	55	+ 4	E	1	b	1	c	*	72	54	-
	Perpignan ...	29.86	62	NW	4	o	29.90	+.10	61	53	+ 4	NW	4	o	*	o	*	72	57	-
	Biarritz ...	29.97	61	W	6	o	29.99	+.18	61	59	+ 4	WNW	5	r	4	o	*	64	54	0.51
Peninsula.	Corunna ...																*			
	Lisbon	30.27	61	NNW	4	b	30.26	+.11	66	58	+ 4	NNW	4	b	*	b	*	68	59	†
	Azores (P. Delgada)	30.41	66	ENE	3	bc	30.42	+.05	70	64	+ 2	NNE	2	b	2	bc	*	75	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 now recorded on the tower of the Wesleyan Training College, Westminster*

Bright Sunshine yesterday Southport 0.0 hrs;

WEATHER CHARTS

FOR Friday, 23rd June, 1899.

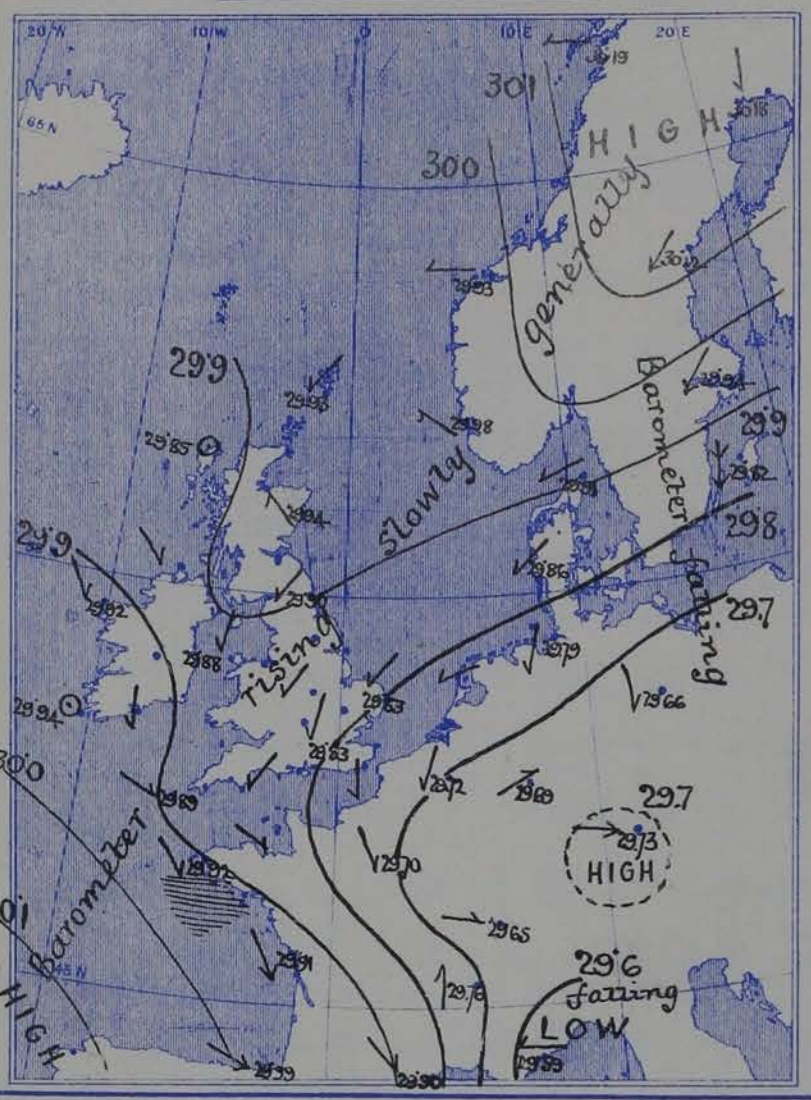
BAROMETER, WIND AND SEA.

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

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

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

SEA—*Rough* ▤ : *High* ▩

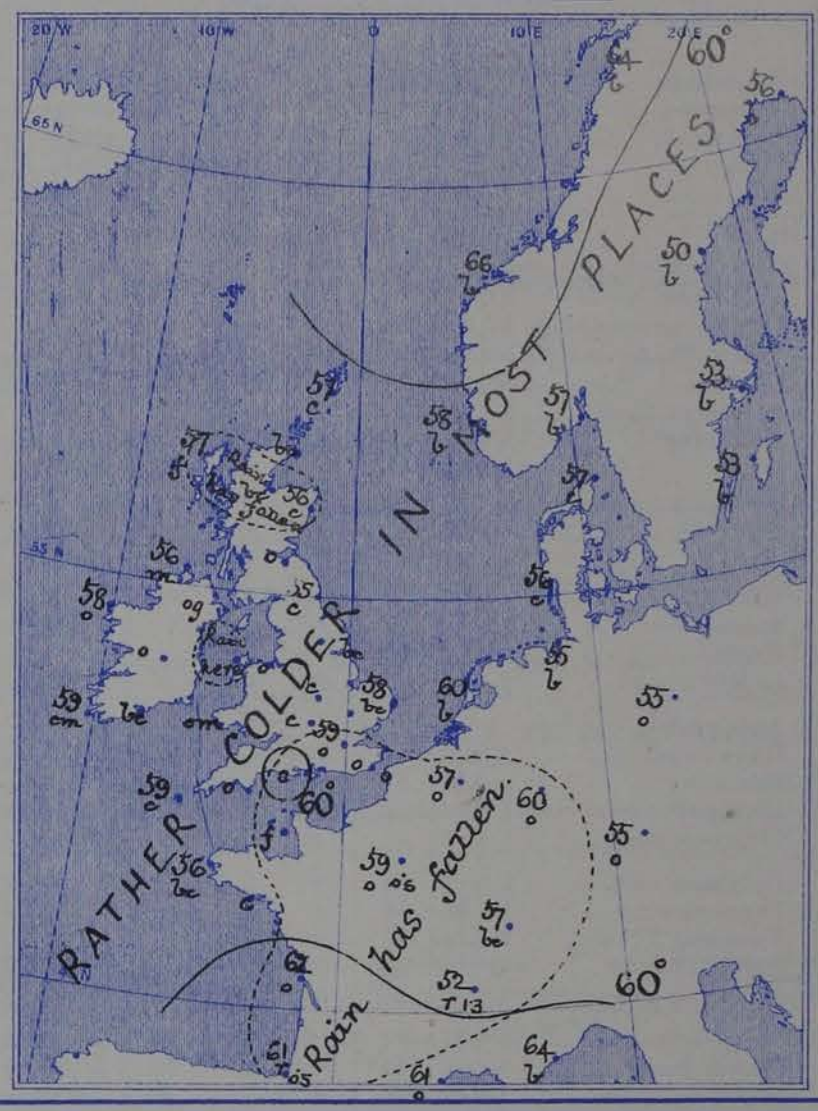


TEMPERATURE & WEATHER.

TEMPERATURE—*Isotherms are drawn for each 10°.*

WEATHER—*Shown by Letters of the Beaufort Scale.*

RAINFALL—*A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus*—0·6.



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

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 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	--	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 013	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 · 0	81	1877, 88	40	1892	1 · 86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30·18 ins: at Haparanda, and exceeding 29·9 ins: over the whole of Scandinavia and the northeastern parts of Great Britain
Exceeding 30·0 ins: over the Iberian Peninsula.
Lowest, Below 29·6 ins: over the Riviera and below 29·7 ins: over Germany and the east of France.
Gradients slight in our Islands, moderate over France.
Barometer rising throughout our Islands, falling again over the Baltic and North Germany.

TEMPERATURE

Highest, (1) 62° at Rochefort, 61° at Biarritz, 60° at Wiesbaden and the Helder, (2) 65° at Christiansund, 64° at Bodo.
Lowest, (1) 50° at Hernosand, 53° at Wisby, 55° at Lisbon, (2) 56° at Aberdeen, Malinsd. and Lerwick Hd.
It Exceeded 70° at a few of our own stations only during yesterday, and did not rise above 63° at Berlin, and 60° at Paris.

WIND

(1) Moderate NE. to E. over northern Europe, very light and variable over Scotland and Ireland.
(2) NE. to NW. over England, NW. to SW. over France and Germany.

WEATHER

(1) Cloudy, but fair (not settled) over our Islands and France as a whole, but with rain at Holyhead, Biarritz and Lyons
unsettled over Germany.
(2) Fine and bright over Northern Europe.
(3) It is not at all dependable over our eastern and southern counties
Rain fell yesterday in many parts of England, the Netherlands and France – heavily at Lyons. Bright Sunshine recorded yesterday was much longer (12 to 7 hours) at our western stations and Aberdeen than elsewhere.

SEA

Slight or smooth on our coasts, moderate at C. Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure over Germany is still irregular, and may cause rain again at our eastern and southern stations shortly.

FORECASTS

For the 24 hours ending at NOON on 24TH JUNE 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Very light winds, variable in direction; fair.
1	SCOTLAND EAST	
2	ENGLAND N.E.	NE. 24h winds, light; fair at first.
3	ENGLAND EAST	NE. 24h to N. 24h winds, light; fair at first, doubtful later.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	N. 24h to W. 24h breezes, light; fair at first, doubtful later.
6	SCOTLAND WEST	Same as Nos 0 & 1.
7	ENGLAND N.W.	NW. 24h winds, light; slight showers locally.
8	ENGLAND S.W.	
9	IRELAND NORTH	NW. 24h and N. 24h airs and Calms; fair.
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.94	71	58	NNW	4	b	1	Valencia	29.84	58	56	WNW	2	o	4
Sumburgh Head	29.95	58	55	ESE	2	bc	4	Scilly	29.77	61	58	WNW	4	c	3
Stornoway	29.80	63	60	Z	0	o	0	Jersey	29.76	65	58	W	3	b	3
Aberdeen	29.90	58	56	ESE	2	bc	3	Hurst Castle ...	29.69	68	61	SW	4	bc	3
Shields	29.81	58	57	ENE	3	o	3	Dungeness ...	29.64	60	60	WNW	3	r	2
Ardrossan								North Foreland							
Malin Head ...	29.76	59	58	ESE	3	m	2	London (Westminster)	29.68	61	60	N	2	or	#
Belmullet	29.81	62	58	WNW	1	o	#	Yarmouth ...	29.67	60	57	NNE	4	bc	3
Holyhead	29.74	63	60	NE	2	om	1	Rochefort ...	29.76	64	61	NW	5	c	#

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

Weather in morning still fine and bright over the northern parts of Continental Europe and the north of our Islands; also in the south of Russia and the southwestern part of the Iberian Peninsula. Dull and unsettled over Western Germany, the east of France, and the greater part of England, with slight rain at Yarmouth. Rain later over many part of Western Germany, France and England, but weather continuing fine both over northern Europe and Spain.

Temperature fallen fast over north Germany, not changed much elsewhere. Morning readings highest 79° at Brindisi, 75° at Patras, 71° at Malta, 70° at Algiers, Malta Odessa, and Tiriste. Above 60° over South Germany and also on the Norwegian coasts — distribution therefore very complex. Lowest (1) 44° at Archangel, 47° at St Petersburg; (2) 51° at Sumburgh Hd. 54° at Spurn Head and Swinemunde, 55° at Berlin, 56° at Valencia. Exceeding 70° later at a few of our stations, but not rising above 63° at Berlin, and 60° at Paris.

Wind light to fresh from the E. or NE. over the northern countries of Europe and from the W. over the southern countries, light and variable over Scotland and Ireland, mainly NE. to NW. over England. The N. wind freshening over the east of England during the day.

Barometer in morning highest (1) 30·2 in: and more, to 30·0 in: over Northern Europe; (2) 30·37 in: in the Azores, and 30·1 in: and more to 29·8 in: over the Iberian Peninsula. Lowest 29·5 in: to 29·7 in: over Germany and France, and 29·7 in: and less, over Cornwall and North Wales; (3) 29·8 in: and less at Malta. German depression spreading westwards later to England, but beginning to break up towards night. Northern anticyclone showing some signs of giving way.

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 Saturday, 24th June, 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 ...	30·01	59	SE	0	b	30·00	-·18	58	48	+2	NE	6	b	s	b	*	66	45	-
	Hernösand ...	29.93	48	NE	4	o	29.83	-.29	54	48	+4	N	4	o	*	o	*	59	46	0.28
	Stockholm ...	29.85	49	NNE	6	b	29.73	-.21	48	44	-5	NNW	6	o	*	b	*	57	45	-
	Wisby	29.81	44	NNE	4	b	29.74	-.08	44	43	-9	NNW	6	bc	*	b	*	52	41	-
	Karlstad ...	29.90	57	ENE	2	b	29.80	-.14	51	45	-3	NNE	4	c	*	b	*	*	*	-
	Bodö	30·05	63	ENE	2	b	30·04	-.15	63	52	-1	E	4	b	1	b	*	68	52	-
	Christiansund ...	29.88	64	SW	3	b	29.84	-.09	63	51	-3	E	6	b	2	b	*	73	52	-
	Skudesnaes ...	29.94	57	W	3	o	29.87	-.11	57	53	-1	NNW	2	o	1	b o	*	61	54	*
	Færder (Christiania Fjord)	29.90	62	SSE	2	c	29.82	-.15	57	51	0	E	1	b	1	c	*	66	52	0·08
	Skagen (The Scaw)	29.91	62	E	2	bc	29.78	-.16	54	53	-3	WSW	2	r	0	bc	*	72	54	0·08
	Fanö	29.95	59	ENE	1	c	29.94	+.08	58	53	+2	WNW	4	b	*	c	*	75	48	-
British Islands	Sumburgh Head	29.93	56	SW	1	o	29.87	-.06	52	52	-5	NW	3	f	4	c.o	*	62	51	-
	Stornoway ...	29.88	57	WNW	1	a	30·01	+.16	56	53	-1	N	3	c	3	o,a	0·6	60	44	-
	Wick	29.89	56	W	2	o	29.97	+.06	55	53	0	NW	4	o	3	o	*	62	50	0·20
	Nairn	29.91	59	W	1	r	?	?	55	51	-3	SE	0	c	1	r	*	67	51	0·04
	Aberdeen ...	29.95	55	S	2	ogr	29.97	+.03	56	51	0	NW	5	bcgq	3	o,rq,p	4·0	61	53	0·07
	Leith	29.94	57	SE	0	r	30·00	+.07	61	56	+4	W	3	bc	*	r	*	61	53	0·10
	Shields	29.95	57	E	2	o	29.98	+.08	57	56	+2	W	3	o	2	bc.or	*	61	53	0·05
	Spurn Head ...	29.95	59	NE	3	b	29.99	+.12	58	56	-2	W	2	om	2	b	*	64	54	0·01
	York														*					
	Loughborough ...	29.95	64	WNW	1	o	30·04	+.17	58	56	o	WNW	2	omu	*	c.opm	*	66	55	0·05
	Ardrossan ...																*			
	Malin Head ...	29.96	57	NNW	4	oq	30·09	+.21	54	50	-2	NW	4	bcp	2	m.oq	*	58	50	0·02
	Belmullet ...	30·08	57	NNW	2	o	30·17	+.25	56	52	-2	WNW	1	o	*	o	*	62	48	-
	Donaghadee ...	29.98	57	ENE	2	cm	30·11	+.21	55	52	+1	W	3	b	3	cm	*	59	49	0·03
	Liverpool (Bidston)	29.98	57	NW	1	o	30·09	+.20	55	51	-2	W	4	c	3	oqmp	*	61	53	0·03
	Holyhead ...	29.97	58	NE	1	cm	30·12	+.24	58	54	+2	NNW	3	bc	2	rm.cm	*	58	53	0·13
	Parsonstown ...	30·00	63	NW	1	o	30·19	+.27	56	51	+1	NW	1	o	*	o	0·7	65	50	-
	Valencia ...	30·09	56	NNW	4	o	30·23	+.29	58	51	-1	NW	1	c	3	c.o	2·8	62	51	-
	Roche's Point ..	29.99	64	NNW	4	c	30·21	+.29	58	53	-3	N	3	bc	3	c	*	66	53	-
	Pembroke (St. Ann's Hd.)	30·02	60	NW	3	o	30·17	+.27	58	56	+1	NE	4	o	2	c.o	6.9	64	55	-
	Scilly	30·02	61	WNW	3	bc	30·12	+.23	59	57	o	NNW	4	c	2	bc	13.0	62	56	-
	Prawle Point ...	29.96	60	SE	2	c	30·10	+.24	64	61	+5	WNW	3	c	2	c	*	66	54	-
	Jersey (St. Aubin's)	29.97	61	WNW	3	ogm	30·10	+.25	62	61	+3	W	3	cm	3	c.ogf	*	66	53	-
	Hurst Castle ...	29.93	66	WNW	3	om	30·05	+.23	65	60	+1	WNW	2	cm	1	cm.om	*	69	56	-
	Dungeness ...	29.91	60	ENE	3	o	30·01	+.23	59	58	o	SSW	1	o	1	o,b	*	64	56	-
	North Foreland																*			
	London (Brixton) ...	29.92	62	NNW	2	o	30·04	+.21	61	57	+2	WNW	1	o	*	o g,b	0·0	63	54	-
	Oxford	29.97	60	NNW	1	o	30·05	+.20	59	56	o	NW	2	o	*	o	*	65	57	-
	Cambridge ...														*					
	Yarmouth ...	29.91	62	NNE	3	b	30·00	+.17	59	55	+1	NE	2	b	2	b	*	63	55	-
Germany & Holland	Cuxhaven ...	29.82	63	NNE	2	bc	29.94	+.15	58	55	+3	W	2	b	*	bc	*	64	50	-
	Berlin	29.74	52	WNW	4	r	29.96	+.30	51	47	-4	NW	2	f	*	r	*	59	46	0·04
	Wiesbaden ...	*	*	*	*	*	29.98	+.29	61	57	+1	N	3	f	*	*	*	64	58	0·04
	Munich	29.82	60	SW	4	o	30·04	+.31	52	51	-3	W	0	o	*	o	*	66	52	0·04
	The Helder ...	29.86	61	NNE	1	b	29.96	+.19	61	55	+1	N	1	bc	0	b	*	64	55	-
France & Belgium	Brussels ...	*	*	*	*	*	30·02	+.30	57	55	o	NNW	3	c	*	bc	*	66	50	-
	Cape Gris Nez ...	29.92	59	ENE	3	b	30·03	+.27	57	55	o	NW	1	o	1	b	*	63	52	-
	Paris	29.89	66	NNW	3	c	30·07	+.37	58	55	-1	SW	1	o	*	c	*	70	52	-
	Brest	30·04	60	NW	2	bc	30·17	+.25	58	?	+2	NW	1	o	1	bc	*	64	57	-
	Lorient	30·02	64	WNW	5	bc	30·15	+.24	59	57	+2	NW	4	o	3	bc	*	66	55	-
	Rochefort ...	30·07	62	WNW	5	o	30·12	+.21	63	61	+1	NW	4	o	*	o	*	63	59	-
	Belfort	29.84	61	WNW	2	bc	30·02	+.37	60	57	+3	W	6	m	*	bc	*	68	53	-
	Lyons	29.90	57	S	1	f	30·08	+.32	59	58	+7	NNW	2	r	*	f	*	60	52	0·24
	Nice	29.69	68	SE	2	bc	29.94	+.35	65	60	+1	E	1	b	4	bc	*	79	55	-
	Perpignan ...	29.99	64	NW	3	o	30·10	+.20	67	58	+6	W	8	c	*	o	*	67	61	0·12
	Biarritz ...	30·07	63	WNW	5	r	30·16	+.17	63	59	+2	WNW	4	c	3	r	*	64	57	0·43
Peninsula	Corunna ...														*					
	Lisbon	30·26	64	N	4	b	30·25	-.01	64	57	-2	N	4	b	*	b	*	73	59	-
	Azores (P. Delgada)	30·45	67	W	2	b	30·43	+.01	71	64	+1	NE	3	b	2	b	*	75	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 now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport 0·0 hrs;

WEATHER CHARTS

FOR Saturday, 24th June, 1899.

BAROMETER, WIND AND SEA.

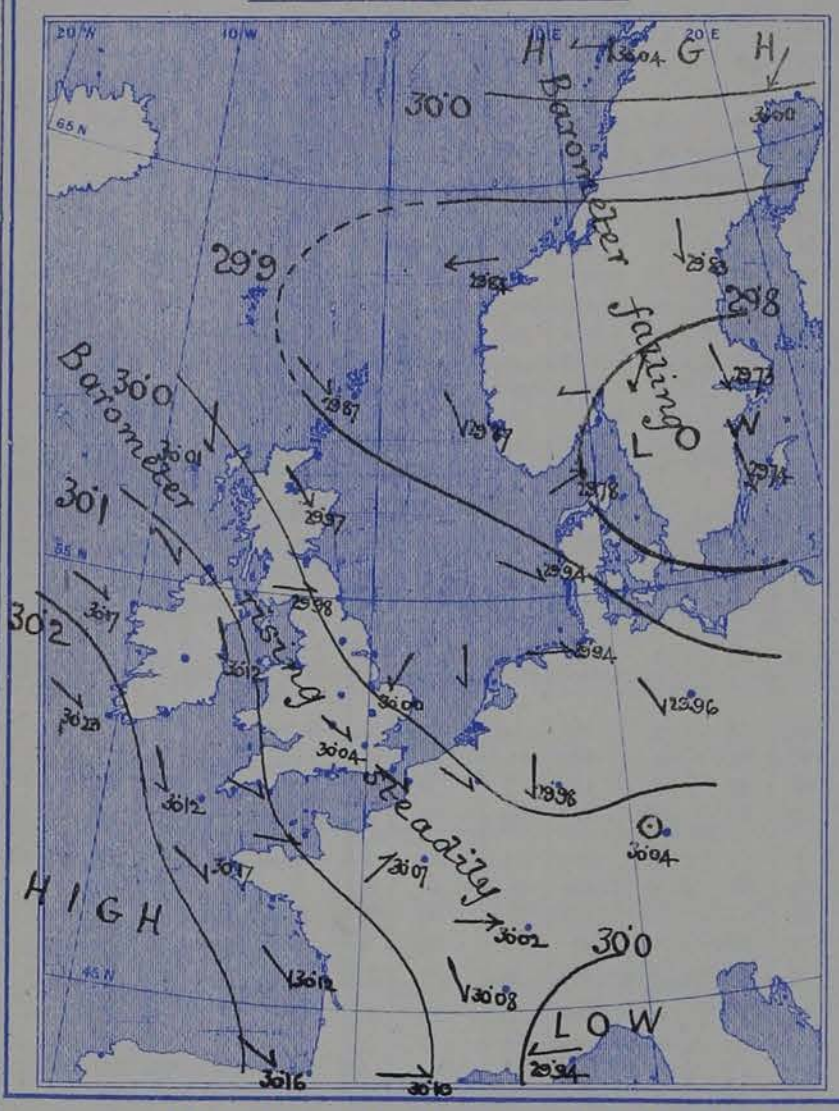
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

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

SEA—Rough ▤ ; *High* ▦

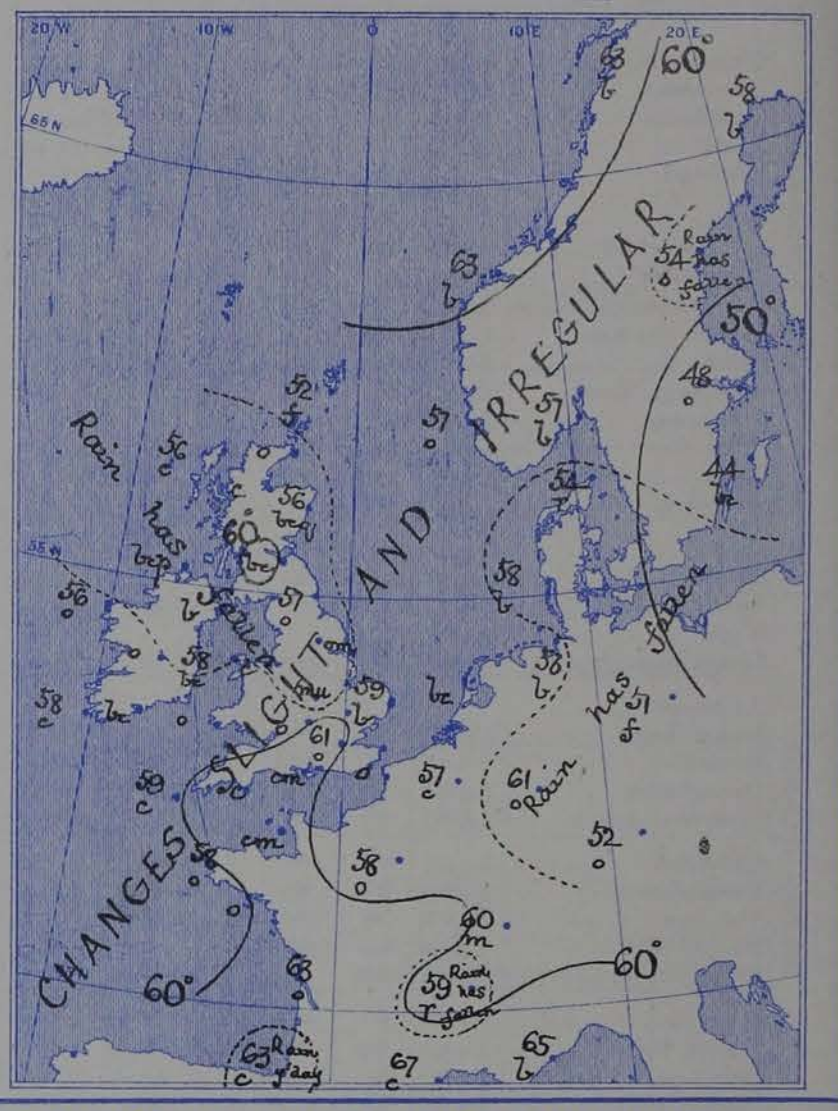


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.


20°W
10°W
0
10°E
20°E
65°N
55°N
45°N
60°
50°
40°
IRREGULAR
AND
CHANGES
Rain has fallen
Rain
Rain has fallen
Rain has fallen
Rain has fallen

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, (1) 30·2 in: and more to 30·0 in: over Spain, France, and the west of our Islands; (2) 30·0 in: and more over Lapland.
Lowest, 29·8 in: and less, over the southern parts of Sweden and over the Baltic.
Gradients slight.
Barometer rising steadily over the whole of the United Kingdom and France.

TEMPERATURE — Highest, 63° in the southwest of France, and 61° at Leith and the Helder.
Lowest, 44° at Wisby, 48° at Stockholm, 51° at Berlin; 52° at Sumburgh Hd., 54° at Malin Head, and 55° at Liverpool.
The maxima recorded during yesterday, did not reach 70° at any of our own stations, but values of 70° to 75° were recorded in several parts of the Continent and 79° at Nice.

WIND — NW to W over our Islands and the west of France as a whole, but varies a little on our extreme southeast coasts, and still more on the Continent.

WEATHER — Fair generally, but clear in the north of Scandinavia only — At Lyons rain is again falling.
A little rain has fallen at several of our northern and northwestern stations, over Germany, and more in the south of France.
There were 13 hours of Bright Sunshine at Scilly yesterday, and nearly 7 hours at Pembroke; elsewhere the amount was very slight.

SEA — Smooth or nearly so except in the far north.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The high pressure area in the southwest is becoming more general; the German disturbances are becoming slighter, and the depression over the Baltic is very shallow.

FORECASTS

For the 24 hours ending at NOON on 25TH JUNE 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW to N breezes, light to moderate; fine.	6 SCOTLAND WEST	NW and N breezes, light to moderate; fine.
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.	F.	WEA.	SEA.
Skudesnaes ...	29.98	60	54	N	4	b	2
Sumburgh Head	29.92	60	55	ESE	1	c	3
Stornoway	29.86	59	57	SSW	3	o	3
Aberdeen	29.94	57	54	SSE	2	o	2
Shields	29.93	60	57	NE	3	bc	3
Ardrossan							
Malin Head ...	29.93	58	57	NW	2	m	2
Belmullet	30.00	62	57	NNW	2	o	*
Holyhead	29.95	55	54	NNE	2	rm	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.03	61	57	NNW	3	c	4
Scilly	29.96	60	57	WNW	4	bc	2
Jersey	29.93	64	58	NW	3	c	3
Hurst Castle ...	?29.90	65	59	SW	2	cm	2
Dungeness ...	29.86	60	59	E	3	o	2
North Foreland							
London (Westminster)	29.89	62	58	NNE	2	o	
Yarmouth ...	29.88	62	58	NE	3	b	3
Rochefort ...	30.01	62	57	NW	6	o	*

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

Weather in morning fine over Lapland and Scandinavia and also over the Iberian Peninsula, dull and less settled over Central Europe and the British Islands, with rain at some of the French stations and at Holyhead. A little rain later at the Scotch and northern Irish stations, as well as over Germany and Denmark, and rather larger quantities in the southwest of France and at Hernösand. Still fine over Lapland and Norway.

Temperature below the mean for the time of year. Highest in morning 79° at Brindisi, 78° at Athens, 75° at Nicolaieff, 69° at Kiew; above 60° at most of the Mediterranean stations and at some of the southern stations in our Islands; 66° at Christiansund, 64° at Bodö. Lowest (1) 48° at Archangel, 49° at Hangö; (2) 54° at Donaghadee, 55° at Shields, 56° at Aberdeen and Holyhead. Not touching 70° at any of our own stations later, but rising to 70° at Paris and 79° at Nice.

Wind light to moderate in force – NNE˜ to E˜ over Scandinavia and the North Sea, SE˜ in Scotland; (2) NW˜ to W˜ over the west and south of Europe – but variable in places; (3) Very light and variable over Central Europe. Becoming N˜ to NW˜ in Ireland later.

Barometer highest (1) 30·18 ins: to 29·9 ins: over the northern part of Scandinavia, Finland, and Lapland; (2) 30·43 ins: at the Azores, and 30·3 ins: to 30·0 ins: over the Iberian Peninsula – latter system spreading northwards. Lowest 29·5 ins: to 29·6 ins: in a very complex, but shallow system over Central Europe and the Riviera. Rising steadily in our Islands later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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	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 ...	29.92	61	E	6	c	29.99	−·01	63	52	+ 5	NE	6	b	*	c	*	66	48	—
	Hernösand ...	29.56	48	NNE	9	r	29.70	−·13	45	44	− 9	E	2	r	*	r	*	55	43	1·02
	Stockholm ...	29.60	48	W	4	o	29.62	−·11	53	50	+ 5	SW	4	o	*	o	*	55	41	0·04
	Wisby	29.66	47	WSW	4	c	29.73	−·01	55	49	+ 11	SSW	6	b	*	c	*	55	41	—
	Karlstad ...	29.70	51	W	2	r	29.55	−·25	51	49	0	SW	2	r	*	r	*	*	*	0·16
	Bodö	30·01	60	E	2	b	29.98	−·06	65	55	+ 2	E	2	b	1	b	*	68	52	—
	Christiansund ...	29.82	60	NE	8	bc	29.76	−·08	53	51	− 10	NE	6	o	3	bc	*	64	52	—
	Skudesnaes ...	29.85	57	NW	4	o	29.76	−·11	57	54	0	NNW	6	c	1	o	*	59	54	*
	Færder (Christiania Fjord)	29.73	64	SW	4	bc	29.58	−·24	61	53	+ 4	2	0	o	1	bc	*	64	54	—
	Skagen (The Scaw)	29.78	54	W	3	m	29.62	−·16	58	54	+ 4	NW	3	bc	0	m	*	64	50	0·08
	Fanö	29.92	57	WNW	6	c	29.85	−·09	58	54	0	WNW	6	c	*	c	*	63	55	—
British Islands.	Sumburgh Head	29.92	50	WNW	3	o	29.94	+·07	52	51	0	NW	3	o	4	r.o	*	52	49	0·20
	Stornoway ...	30·05	59	NW	4	c	29.99	−·02	54	53	− 2	SW	4	r	4	c	11·3	63	47	0·03
	Wick	30·03	56	NW	3	b	30·03	+·06	60	54	+ 5	NW	1	b	1	b	*	60	42	—
	Nairn	30·06	60	WSW	2	c	30·04	?	58	52	+ 3	2	0	c	0	c	*	65	43	—
	Aberdeen ...	30·05	58	NW	3	c	30·05	+·08	59	51	+ 3	WNW	2	bc	1	c	7·8	64	48	—
	Leith	30·04	62	WNW	2	c	30·07	+·07	59	54	− 2	W	2	c	*	c	*	70	49	—
	Shields	30·06	57	ENE	1	c	30·09	+·11	61	54	+ 4	W	3	c	2	p,c	*	61	48	0·01
	Spurn Head ...	30·04	56	N	4	c	30·10	+·11	57	54	− 1	WNW	4	c	3	c	*	64	52	—
	York														*					
	Loughborough ...	30·09	63	WNW	5	c	30·17	+·13	57	53	− 1	WNW	3	o	*	beg.c.o	*	68	50	—
	Ardrossan ...																*			
	Malin Head ...	30·15	58	W	4	o	30·05	−·04	57	57	+ 3	SW	4	o	2	o	*	59	54	0·01
	Belmullet ...	30·18	57	SW	4	o	30·12	−·05	58	58	+ 2	SSW	2	of	*	o	*	60	52	0·02
	Donaghadee ...	30·17	56	W	2	bc	30·12	+·01	56	55	+ 1	WSW	2	c	2	bc	*	60	50	—
	Liverpool (Bidston)	30·15	56	W	4	c	30·19	+·10	57	55	+ 2	WSW	3	o	2	c	*	59	53	—
	Holyhead ...	30·17	58	WSW	2	c	30·16	+·04	58	55	0	WSW	2	om	1	c	*	62	54	—
	Parsonstown ...	30·20	61	NW	1	o	30·21	+·02	58	57	+ 2	SW	1	or	*	c.o.	3·1	64	54	0·04
	Valencia ...	30·24	57	SW	3	opm	30·21	−·02	59	49	+ 1	SW	2	f	3	a.omp	3·2	61	54	0·24
	Roche's Point ..	30·23	63	SW	4	c	30·20	−·01	63	61	+ 5	WSW	3	c	3	c	*	66	55	—
	Pembroke (St. Ann's Hd.)	? 30·20	57	NW	3	c	30·23	+·06	57	56	− 1	W	3	o	2	c	5·7	60	55	—
	North Foreland														*		*			
	London (Brixton) ...	30·06	68	NW	3	bc	30·08	+·14	58	54	− 3	W	1	o	*	bc	2·0	72	50	—
	Oxford	30·14	58	NW	3	b	30·19	+·14	58	54	− 1	WNW	1	o	*	b	*	70	48	—
	Cambridge ...														*					
	Yarmouth ...	30·02	64	NNW	2	bc	30·12	+·12	59	55	0	WNW	2	bc	2	bc	*	64	49	—
Germany & Holland.	Cuxhaven ...	29·95	59	NW	2	b	29·91	−·03	58	54	0	W	3	c	*	b	*	63	54	—
	Berlin	29·92	62	W	1	c	29·93	−·03	60	54	+ 9	W	2	b	*	b	*	68	51	—
	Wiesbaden ...	*	*	*	*	*	30·06	+·08	59	54	− 2	SW	3	o	*	*	*	68	54	0·04
	Munich	30·06	56	SW	5	o	30·12	+·08	55	52	+ 3	W	5	o	*	o	*	64	52	0·12
	The Helder ...	29·99	57	WNW	1	o	30·05	+·09	57	53	− 4	NW	3	b	3	o	*	64	54	0·08
Belgium.	Brussels ...	*	*	*	*	*	30·13	+·11	59	54	+ 2	NNW	3	c	*	o	*	66	52	—
	Cape Gris Nez ...	30·05	63	SW	1	m	30·14	+·11	57	55	0	NE	3	o	3	m	*	64	54	—
	Paris	30·10	62	NE	1	bc	30·16	+·09	60	57	+ 2	NW	2	b	*	bc	*	68	55	—
	Brest	30·23	61	NW	2	bc	30·30	+·13	57	54	− 1	NNW	2	bc	2	bc	*	63	52	—
	Lorient	30·20	66	NNW	4	bc	30·28	+·13	57	55	− 2	NNW	3	b	3	bc	*	68	54	—
France &	Rochefort ...	30·13	63	NW	3	o	30·20	+·08	62	59	− 1	NNW	3	c	*	o	*	68	59	—
	Belfort	30·06	59	W	6	o	30·15	+·13	55	53	− 5	W	3	m	*	o	*	64	47	—
	Lyons ...	30·10	64	NW	1	o	30·13	+·05	61	57	+ 2	NNW	1	c	*	o	*	68	56	—
	Nice	29·95	64	2	0	c	29·95	+·01	64	60	− 1	2	0	c	1	c	*	68	59	—
	Perpignan ...	30·15	72	NW	4	c	30·22	+·12	64	57	− 3	W	4	o	*	c	*	76	62	—
	Biarritz ...	30·22	63	WNW	4	c	30·24	+·08	63	57	0	WNW	4	o	2	c	*	66	59	—
Peninsula.	Corunna ... †	30·35	62	NNW	5	bc	30·34	−·02	64	61	+ 3	NNE	3	b	4	bc	*	66	52	—
	Lisbon	30·19	63	NNW	6	b	30·16	−·09	69	61	+ 4	NNE	3	b	*	b	*	72	61	—
	Azores (P. Delgada)	30·43	68	NE	1	b	30·41	−·02	69	64	− 2	NE	1	bc	2	b	*	?	64	—

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 7·4 hrs;

WEATHER CHARTS

FOR Sunday, 25th June, 1899.

BAROMETER, WIND AND SEA.

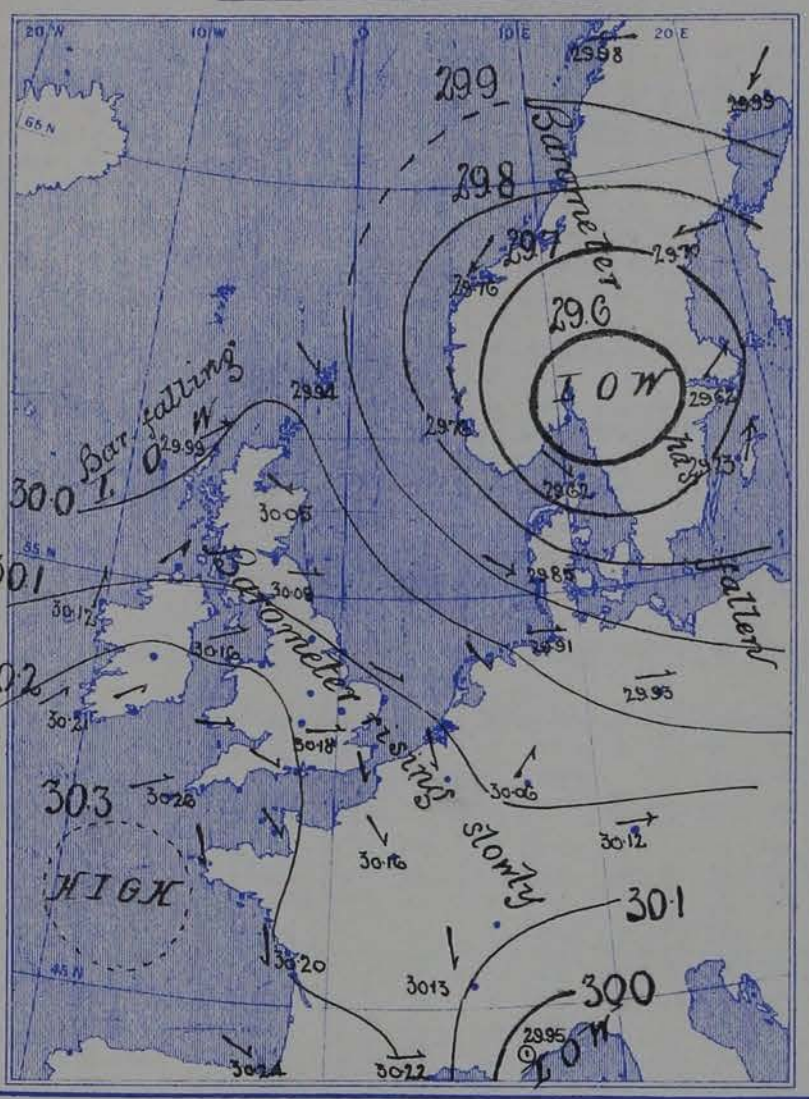
BAROMETER—*Isobars are drawn for each tenth of an inch.*

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

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

Force 8 to 10 ↠⟶ ;

SEA—*Rough* ▤ ; *High* ▩

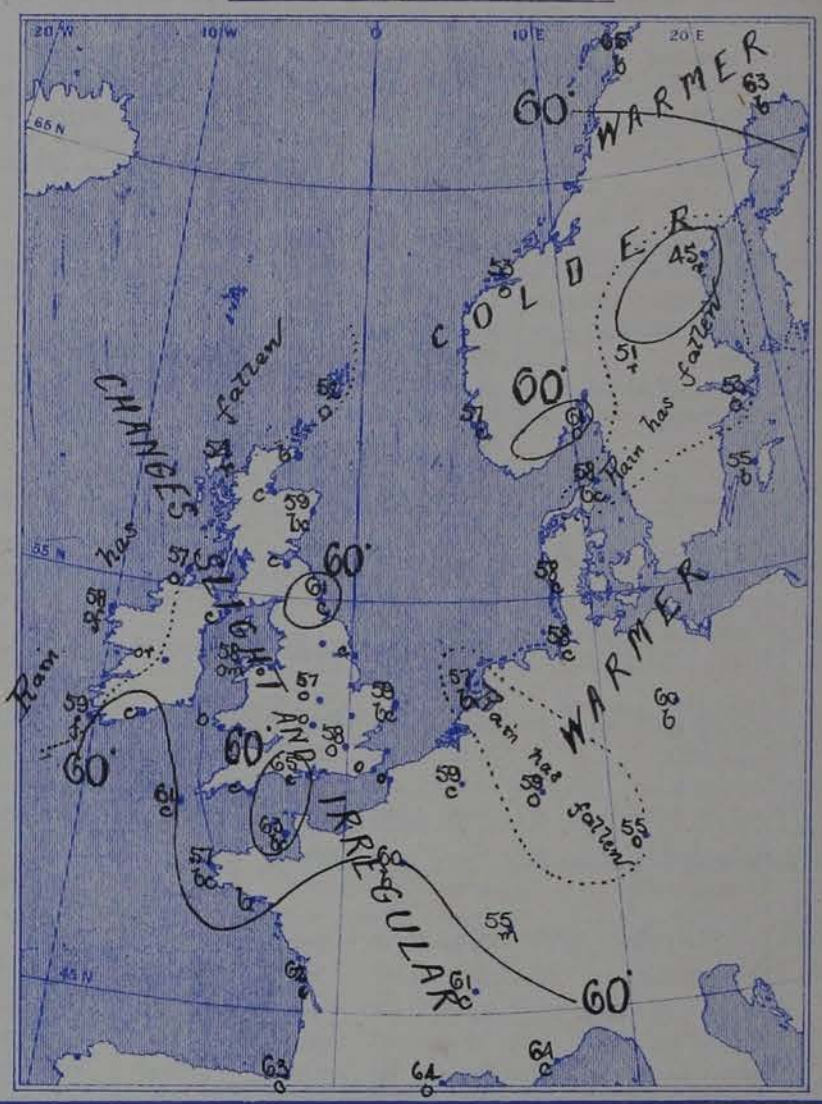


TEMPERATURE & WEATHER.

TEMPERATURE—*Isotherms are drawn for each 10°.*

WEATHER—*Shown by Letters of the Beaufort Scale.*

RAINFALL—*A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus*—0·6.



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

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 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 013	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 0	81	1877, 88	40	1892	1 · 86	—	—

* 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: at Brest and spreading 30·2 ins: over the north of Spain, the Bay of Biscay, and the southwest of our Islands.
Lowest, (1) 29·6 ins: and less, in a depression over the southern half of London; (2) 30·0 ins: and less, over the Riviera and also off the northwest of
Gradients moderate over Scandinavia, slight over the southwest of our Islands, the Bay of Biscay and Spain.
Barometer rising slowly over France and England, fallen over Scandinavia, but apparently rising now.

TEMPERATURE

Highest, 69° at Lisbon, 64° to 62° in the southwest and south of France; 63° at Rockall, 61° at Scilly, and also locally at St Ender: 63° to 65° over Engl
Lowest, 45° at Hernösand, 53° at Christiansund, 54° at Stornoway, 57° at Loughborough, and 58° at Valentia.
It rose to 74° at Hurst Castle, 72° in London, and 70° at Oxford yesterday, but the maxima were less high even over France.

WIND

(1) Moderate from SW. on our western coasts, from NW. and W. over Great Britain generally, from NW. over France.
(2) A well defined cyclonic disturbance reported from Scandinavia and the eastern shores of the North Sea.

WEATHER

Fair over the major part of Great Britain, but cloudy, and at Stornoway, rainy; dull unsettled weather is reported from Sweden and Norway, rain at Karlstad; fine bright weather in Lapland and at Berlin.
Bright Sunshine yesterday ranged from 11·3 hrs at Stornoway to 2·0 hrs in London.

SEA

Moderate on our northern coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The Scandinavian depression seems to either have advanced westwards from Finland and Western Russia or to have formed in situ.

FORECASTS

For the 24 hours ending at NOON on 26TH JUNE 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.	F.	WEA.	SEA.
Skudesnaes ...	29.84	59	53	NNW	4	c	1
Sumburgh Head	29.90	56	50	WNW	3	r	4
Stornoway	30.03	63	56	NW	5	c	5
Aberdeen	30.01	63	52	WNW	4	beq	3
Shields	30.04	59	57	NNE	2	p	3
Ardrossan							
Malin Head ...	30.11	58	54	WNW	3	be	2
Belmullet	30.18	59	52	WSW	3	o	*
Holyhead	30.16	62	58	NW	2	c	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.25	60	54	SW	2	o	4
Scilly	30.20	61	57	NNW	4	o	2
Jersey	30.14	67	62	WNW	4	be	3
Hurst Castle ...	30.07	74	62	NW	2	cm	1
Dungeness ...	30.04	61	60	SW	2	o	1
North Foreland							
London (Westminster)	30.05	69	61	NW	3	be	*
Yarmouth ...	30.01	59	55	WSW	1	c	2
Rochefort ...	30.12	68	58	NW	4	c	*

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

Weather in morning fair over the Iberian Peninsula and also over Lapland and the north of Russia (though raining at some of the French stations) dull, raining and unsettled over Hungary and the west of Russia. A little rain later at a few of our own stations and those in Western Europe – most at Valencia, where a quarter of an inch fell at night.

Temperature fallen over the Baltic and inclined to fall in Ireland. Morning readings highest 76° at Algiers and Patras, 75° at Brindisi and Nicolaieff, 73° at Barcelona; considerably above 60° (1) over the Mediterranean, the southwest of France, and south coast of England, (2) over the northwest of Norway. Lowest (1) 44° at Wisby, 48° at Stockholm, 49° at Breslau, 51° at Hanlith, (2) 52° at Sumburgh Head, 55° at Liverpool, 56° at Stornoway, Aberdeen, and Parsontown. Rising later to 70° at Leith, Prussels P° and Oxford, to 74° at Hurst Castle and to 76° at Perpignan – not touching 70° in other parts of our Islands.

Wind (1) light to moderate from between W. and NW. on our coasts and over the Bay of Biscay, moderate from E. over the northwest of Norway; (2) Strong from the E.ly over Finlands, from the N.ly in the east of Sweden, and from NW. over Germany and Hungary. Backing to SW. in the west of Ireland later.

Barometer highest (1) 30·0 ins: and more over Lapland, (2) 30·43 ins: over the Azores, and 30·2 ins: and more to 30·1 ins: over the Spanish Peninsula and the west of France. Lowest 29·2 ins: and less. to 29·4 ins: over the southern half of Russia, and 29·9 ins: and less. in a smaller depression near Cagliari. Rising over our Islands later, falling over 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.

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

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 26th June, 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 ...	30·02	64	E	2	b	30·11	+·12	64	53	+1	S	2	b	s	b	*	75	50	-
	Hernösand ...	29·99	46	2	0	b	30·03	+·33	51	49	+6	2	0	0	*	b	*	54	41	-
	Stockholm ...	29·87	54	E	2	b	29·94	+·32	53	51	0	E	1	0	*	b	*	66	45	-
	Wisby	29·87	54	S	4	b	29·93	+·20	55	53	0	W	4	b	*	b	*	64	41	-
	Karlstad ...	29·77	57	S	2	bc	29·86	+·31	58	54	+7	NE	4	b	*	bc	*	*	*	0·24
	Bodö	30·03	68	E	2	b	30·01	+·03	65	54	0	E	4	b	1	b	*	73	54	-
	Christiansund ...	29·77	58	NE	3	c	29·85	+·09	60	51	+7	SE	3	b	2	c	*	60	52	0·08
	Skudesnaes ...	29·79	56	NW	8	o	29·88	+·12	54	53	-3	NW	4	o	2	o	*	59	52	*
	Færder (Christiania Fjord)	29·73	57	SSE	1	c	29·82	+·24	57	54	-4	NNE	2	o	2	c	*	61	52	0·20
	Skagen (The Scaw)	29·73	60	S	1	m	29·80	+·18	59	57	+1	NNE	1	c	o	m	*	66	57	-
	Fanö	29·93	55	NNW	6	c	29·96	+·11	57	53	-1	WNW	6	c	*	c	*	61	55	-
British Islands.	Sumburgh Head	29·91	52	NW	3	bc	29·85	-·09	52	52	0	WNW	3	o	4	bc	*	54	49	0·15
	Stornoway ...	29·93	60	WSW	3	a	30·05	+·06	56	53	+2	NW	5	c	5	o.a	0·1	60	50	0·10
	Wick	29·97	57	NW	2	o	29·99	-·04	57	53	-3	N	6	b	3	o	*	66	50	-
	Nairn	29·96	63	W	1	c	30·02	-·02	57	54	-1	NW	3	c	2	c	*	67	54	0·09
	Aberdeen ...	29·99	56	NE	2	og	30·02	-·03	62	58	+3	NW	5	cqp	3	bc.or	8·0	66	55	0·17
	Leith	30·02	62	W	2	o	30·05	-·02	67	61	+8	W	3	bc	*	o	*	67	58	-
	Shields	30·06	62	W	3	o	30·07	-·02	64	61	+3	W	3	c	2	o.r	*	65	58	0·02
	Spurn Head ...	30·09	62	W	1	o	30·10	·00	63	61	+6	WNW	4	b	3	c.r	*	64	56	0·01
	York														*					
	Loughborough ...	30·14	64	W	3	o	30·19	+·02	65	62	+8	W	2	o	*	o.c.pc	*	68	57	0·01
	Ardrossan ...																*			
	Malin Head ...	30·08	58	SW	5	qf	30·16	+·11	57	56	0	WNW	3	omr	2	o.f	*	60	55	0·02
	Belmullet ...	30·18	59	WSW	4	cqf	30·23	+·11	58	57	0	W	1	o	*	om.of	*	63	56	0·11
	Donaghadee ...	30·09	68	WSW	3	cqf	30·17	+·05	62	60	+6	WSW	4	oq	3	c	*	68	55	0·01
	Liverpool (Bidston)	30·14	63	W	3	o	30·19	·00	61	59	+4	WSW	3	bc	3	o.r	*	64	57	0·06
	Holyhead ...	30·16	62	SW	2	op	30·22	+·06	62	60	+4	W	2	cp	1	op	*	64	55	0·02
	Parsonstown ...	30·19	66	W	2	o	30·25	+·04	60	57	+2	W	1	o	*	c.o	1·4	71	58	-
	Valencia ...	30·27	59	W	2	f	30·32	+·11	59	58	0	SW	3	o	4	o.f	0·0	61	56	0·04
	Roche's Point ..	30·22	70	NW	2	b	30·29	+·09	62	59	-1	SW	2	bc	3	b	*	72	59	-
	Pembroke (St. Ann's Hd.)	30·23	57	WNW	2	f	30·30	+·07	57	57	0	NW	2	o	2	o.f	0·0	61	56	-
	Scilly	30·25	59	WSW	2	f	30·31	+·05	58	58	-3	W	3	f	2	o.f	0·0	64	57	0·02
	Prawle Point ...	30·25	58	WSW	3	m	30·29	+·04	60	59	+2	W	2	c	1	m.f	*	66	56	-
	Jersey (St. Aubin's)	30·28	63	W	3	b	30·32	+·06	60	60	-3	WNW	3	f	3	bc.b.p	*	66	58	0·02
	Hurst Castle ...	30·20	63	WSW	2	o	30·25	+·04	65	62	o	WSW	2	omf	1	o	*	69	61	-
	Dungeness ...	30·17	61	W	3	o	30·21	+·06	63	62	+5	W	3	p	2	o	*	67	58	-
	North Foreland																*			
	London (Brixton) ...	30·16	60	SW	1	o	30·22	+·04	67	63	+9	NNW	2	bc	*	o.cp.b	1·2	67	58	0·03
	Oxford	30·18	62	WSW	2	bc	30·23	+·04	65	63	+7	SW	2	o	*	o.bc.p	*	65	58	-
	Cambridge ...														*					
	Yarmouth ...	30·12	61	SE	1	c	30·12	·00	66	63	+7	WNW	3	cm	3	c	*	66	56	0·06
Germany & Holland.	Cuxhaven ...	30·01	56	NW	4	c	30·02	+·11	57	54	-1	W	4	c	*	c	*	59	54	0·08
	Berlin	29·99	60	W	4	bc	30·10	+·17	57	52	-3	WSW	4	o	*	bc	*	72	54	-
	Wiesbaden ...	*	*	*	*	*	30·23	+·17	57	54	-2	NW	3	o	*	*	*	68	54	-
	Munich	30·18	52	SW	5	c	30·31	+·19	56	52	+1	W	5	c	*	c	*	61	48	0·04
	The Helder ...	30·10	58	W	1	bc	30·08	+·03	58	57	+1	WSW	1	o	2	bc	*	61	57	-
Belgium.	Brussels ...	*	*	*	*	*	30·20	+·07	57	57	-2	SSW	3	r	*	o	*	68	52	0·08
	Cape Gris Nez ...	30·18	58	NNW	2	o	30·19	+·05	58	57	+1	W	2	c	2	o	*	64	55	-
	Paris	30·21	64	NNW	3	bc	30·30	+·14	59	57	-1	WSW	1	bc	*	bc	*	69	55	-
	Brest	30·32	61	W	1	c	30·32	+·02	59	58	+2	NW	1	m	1	c	*	66	54	-
	Lorient	30·28	64	WNW	5	bc	30·33	+·05	62	61	+5	S	0	o	2	bc	*	70	54	
France &	Rochefort ...	30·24	64	NW	4	b	30·36	+·16	62	58	0	NE	2	b	*	b	*	68	55	-
	Belfort	30·15	63	SW	3	c	30·30	+·15	55	52	0	S	0	m	*	c	*	69	45	-
	Lyons	30·17	64	NW	1	b	30·28	+·15	63	56	+2	N	1	bc	*	b	*	70	56	-
	Nice	29·97	63	E	2	c	30·04	+·08	66	58	+2	E	2	b	1	c	*	72	57	0·04
	Perpignan ...	30·15	71	NW	4	o	30·25	+·03	68	60	+4	NW	3	b	*	o	*	76	60	-
	Biarritz ...	30·26	64	NW	3	o	30·29	+·05	62	59	-1	WSW	2	b	2	o	*	66	59	-
Penin-sula.	Corunna ...																*			
	Lisbon	30·11	75	NNW	4	b	30·09	-·07	77	61	+8	NE	4	b	*	b	*	86	69	-
	Azores (P. Delgada)	30·40	66	NE	3	b	30·34	-·07	70	65	+1	NE	2	b	2	b	*	77	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 now recorded on the tower of the Wesleyan Training College, Westminster.*

Bright Sunshine yesterday Southport (1·0 hrs;

WEATHER CHARTS

FOR Monday, 26th June, 1899.

BAROMETER, WIND AND SEA.

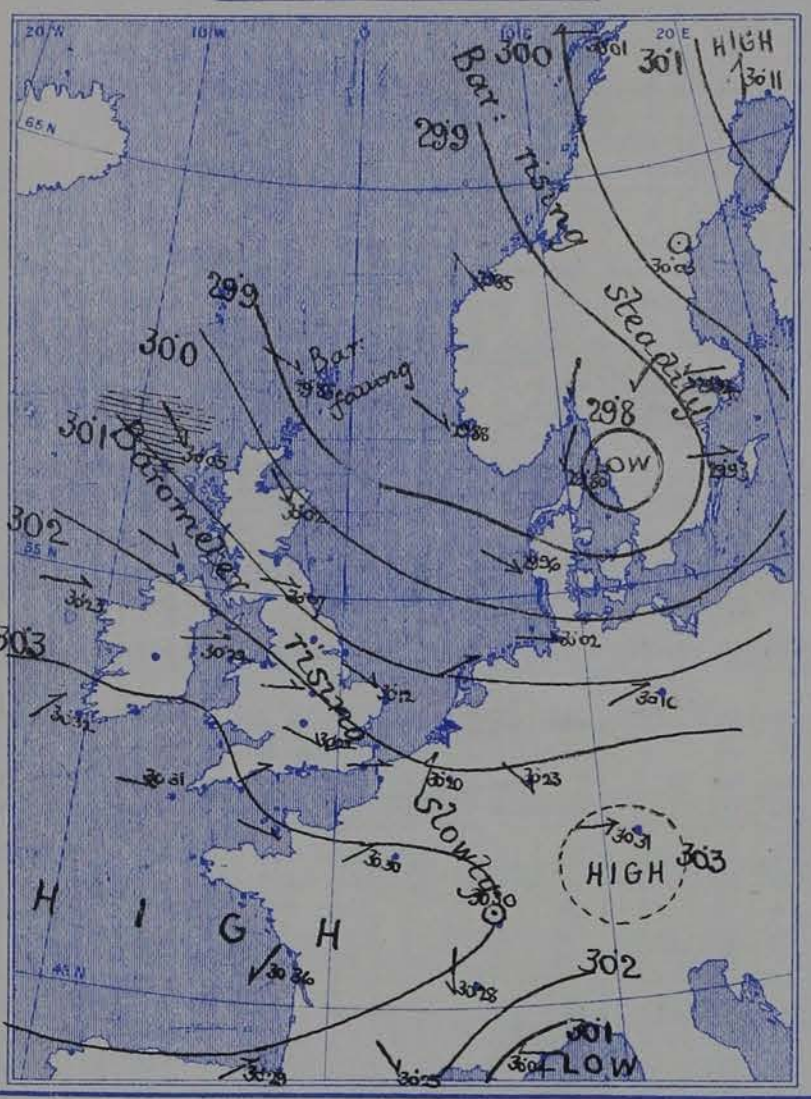
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⇉ ; *Force 5 to 7* ⟶ ; } Calm ⊙

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

SEA—*Rough* ▤ ; *High* ▦

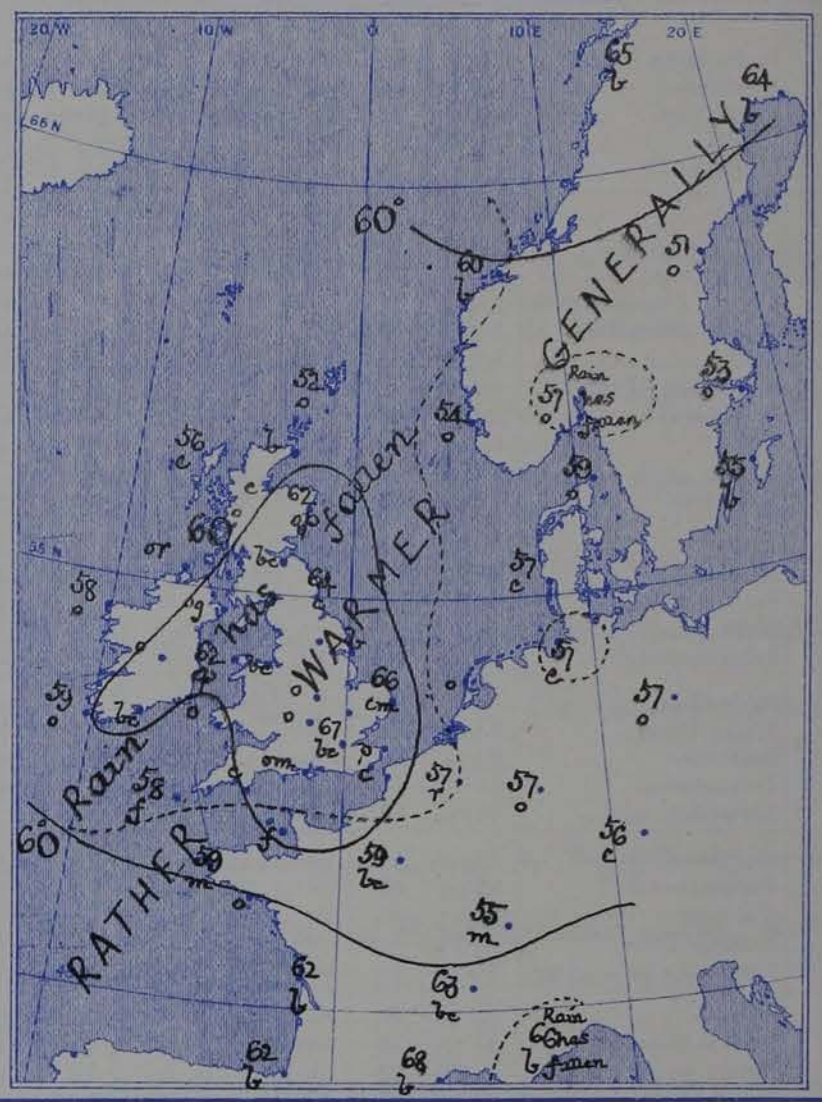


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—{ *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus*—0·6.



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

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 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 019	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 · 0	81	1877, 88	40	1892	1 · 86	—	—

* 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 in: and more over the Bay of Biscay and France.
Lowest, (1) 29·8 in: at the Scaw, and below 29·9 in: all over the south and southwest of Norway.
Gradients slight over our Islands.
Barometer rising in our Islands (except in the northeast).

TEMPERATURE

Highest, 77° at Lisbon, 68° at Perpignan, 67° in London and at Leith, 65° to 62° in many parts of our Islands, 62° in the W. of Fr.
Lowest, (1) 51° at Hernösand, 53° at Stockholm, 55° at Visby; (2) 56° at Stornoway, 57° at Malin Hd., 58° at Belmullet.
It exceeded 70° at a few of the Irish stations yesterday, but in London the 8 am temperature of today exceeded yesterday's maximum

WIND

W. moderate and variable over England, W. to SW. in Ireland, N. to NW. fresh and squally, in Scotland
In the south of Sweden it is E., at the Scaw N., and in North Germany W.

WEATHER

Fair as a whole in our Islands, but squalls and showers are reported in the east of Scotland, and some slight showers at some of our northwestern stations.
There have been showers, sporadically, in several parts of the Kingdom, the largest amount being 0·7 in: at Aberdeen.
Bright Sunshine recorded yesterday was very slight, the largest amount being 8 hrs at Aberdeen, the smallest 0·0 at Valencia, Scilly, Pembroke and Southport.

SEA

Rather rough in the extreme northwest, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There will probably some slight disturbances over the North Sea today, but fair warm weather in our Islands, cooler at night in the north and east.

FORECASTS

For the 24 hours ending at NOON on 27TH JUNE, 1899.

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. and N. winds; squally, slight showers, temporarily colder.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	W. to N. winds, moderate; fair, bright at times.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as Nos 0 to 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NW. to SW. winds, moderate; fair.
9	IRELAND NORTH	SW. to NW. winds, moderate; showers with bright intervals.
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes	29.75	58	55	N	7	C	2
Sumburgh Head							
Stornoway	29.94	59	57	SW	4	O	4
Aberdeen							
Shields							
Ardrossan							
Malin Head	30.06	59	59	SW	4	O	2
Belmullet	30.15	61	60	WSW	3	Om	*
Holyhead							
Valencia							
Scilly							
Jersey	30.28	65	59	WNW	3	bc	3
Hurst Castle							
Dungeness	30.17	67	60	WNW	3	O	2
North Foreland							
London (Westminster)							*
Yarmouth							
Rochefort	30.25	65	60	NW	4	b	*

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 18TH TO THE 24TH JUNE 1899

The weather of the past week was marked by the prevalence of considerable and frequent showers over the United Kingdom, the Baltic and Central Europe; some of these were heavy locally, some light and temporary.

As far as our Islands were concerned the first showers fell over the northern and western parts of the Kingdom on Sunday the 18th, in a small disturbance which reached us from the Atlantic during the previous night. This had scarcely affected the midland and Eastern counties, when another system reached the mouth of the English Channel from the west-northwestward. There it grew deep and further falls of rain were experienced both in our Islands and in many parts of France for some time.

The weather now began to break up over Central Europe. A sharp series of thunderstorms were felt over the Netherlands and the East of France on Wednesday night and on Thursday a well marked depression which had been formed over Germany spread to our southern and Eastern counties, causing rain in these regions (especially in London), and further falls not only in France but Italy, Austria, and some some part of Russia.

At the close of the week there were slight indications of some further disturbance in the extreme west and northwest of the British Isles, but in the Eastern half of the Kingdom the weather was improving.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 27th June, 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 ...	30·04	65	2	0	b	30·13	+ ·02	63	52	− 1	2	0	b	*	b	*	77	54	–
	Hernösand ...	29·99	60	NE	2	b	30·02	− ·01	63	54	+ 12	NE	2	b	*	b	*	72	39	–
	Stockholm ...	29·95	53	2	0	b	29·97	+ ·03	59	54	+ 6	N	2	b	*	b	*	66	45	–
	Wisby	29·93	53	SSW	4	b	29·95	+ ·02	58	53	+ 3	SE	4	b	*	b	*	64	46	–
	Karlstad ...	29·90	57	NW	2	bc	29·99	+ ·13	58	55	0	N	2	c	*	r.bc	*	*	*	0·24
	Bodö	30·05	57	2	0	b	30·14	+ ·13	62	55	− 3	N	1	b	0	b	*	66	54	–
	Christiansund ...	29·95	63	WNW	2	b	30·17	+ ·32	61	56	+ 1	W	2	f	2	b	*	68	54	–
	Skudesnaes ...	30·00	55	NNW	4	b	30·16	+ ·28	57	55	+ 3	NNW	6	b	2	c.b	*	59	52	*
	Færder (Christiania Fjord)	29·88	61	NNW	5	o	30·02	+ ·20	60	55	+ 3	NNW	4	o	2	o	*	61	56	0·08
	Skagen (The Scaw)	29·88	58	NW	3	r	30·02	+ ·22	60	56	+ 1	NE	3	b	0	r	*	66	57	0·08
	Fanö	30·03	55	WNW	2	o	30·07	+ ·11	57	54	0	NW	7	c	*	o	*	59	55	0·08
	Sumburgh Head	30·07	55	WNW	4	b	30·28	+ ·43	54	53	+ 2	W	2	b	4	bc.b	*	56	45	–
	Stornoway ...	30·19	60	NW	4	c	30·25	+ ·20	55	53	− 1	SSE	2	bc	2	c	12·8	62	44	–
	Wick	30·18	57	N	5	b	30·30	+ ·31	57	53	0	E	1	b	1	b	*	62	40	–
	Nairn	30·10	63	W	2	b	30·29	+ ·27	57	54	0	E	1	b	1	b	*	64	42	–
	Aberdeen ...	30·19	62	NW	3	b	30·33	+ ·31	57	51	− 5	SSE	2	bc	2	bcg.b	9·8	63	44	0·01
	Leith	30·18	65	W	3	b	30·30	+ ·25	58	53	− 9	2	0	om	*	b	*	71	48	–
	Shields	30·22	59	NE	3	bc	30·33	+ ·26	56	54	− 8	SSW	2	m	2	c.bc	*	73	50	–
	Spurn Head ...	30·19	64	WNW	4	c	30·34	+ ·24	61	56	− 2	NNE	2	b	2	c	*	69	52	0·01
	York														*					
	Loughborough ...	30·24	68	WNW	3	o	30·35	+ ·16	61	58	− 4	SE	2	om	*	o.c.om	*	75	57	–
British Islands.	Ardrossan ...																*			
	Malin Head ...	30·26	59	NNW	2	b	30·22	+ ·06	57	56	0	S	4	om	2	b	*	59	51	–
	Belmullet ...	30·29	59	NE	2	o	30·25	+ ·02	60	59	+ 2	S	2	om	*	o	*	61	53	0·01
	Donaghadee ...	30·28	58	N	2	c	30·30	+ ·13	54	53	− 8	S	2	o	2	c	*	63	50	–
	Liverpool (Bidston)	30·28	59	WNW	2	o	30·31	+ ·12	61	57	0	SE	1	o	2	o	*	65	57	–
	Holyhead ...	30·27	61	W	1	dm	30·28	+ ·06	59	58	− 3	SW	2	dm	1	o.dm	*	62	55	0·02
	Parsonstown ...	30·29	64	SW	1	o	30·24	− ·01	62	61	+ 2	SW	1	o	*	o	0·1	65	57	0·01
	Valencia ...	30·31	63	SW	2	o	30·23	− ·09	60	58	+ 1	SE	1	o	3	o	0·0	64	57	–
	Roche's Point ..	30·30	66	SW	3	bc	30·26	− ·03	60	57	− 2	S	1	c	2	bc	*	67	57	–
	Pembroke (St. Ann's Hd.)	30·32	57	NW	3	f	30·31	+ ·01	56	55	− 1	S	3	f	2	f	4·5	63	55	–
	Scilly	30·34	59	NW	3	m	30·26	− ·05	57	57	− 1	ENE	2	f	0	c.m	2·0	63	56	–
	Prawle Point ...	30·29	68	W	3	b	30·30	+ ·01	64	60	+ 4	ESE	3	b	1	b	*	70	55	–
	Jersey (St. Aubin's)	30·33	67	W	3	bm	30·31	− ·01	59	59	− 1	WNW	2	f	2	o.bm	*	67	55	–
	Hurst Castle ...	30·26	67	WSW	3	bc	30·30	+ ·05	65	63	0	NE	1	om	1	bc	*	69	59	–
	Dungeness ...	30·24	64	WSW	4	b	30·31	+ ·10	65	63	+ 2	ENE	2	m	1	c.b	*	72	58	–
	North Foreland																*			
	London (Brixton) ...	30·21	76	NW	3	bc	30·33	+ ·11	67	61	0	SSE	1	bcm	*	bc	9·6	82	62	–
	Oxford	30·26	70	N	2	o	30·33	+ ·10	66	61	+ 1	NE	1	o	*	o	*	79	61	–
	Cambridge ...														*					
	Yarmouth ...	30·18	68	N	2	bc	30·34	+ ·22	60	55	− 6	NNE	3	b	3	c.bc	*	74	55	–
Germany & Holland.	Cuxhaven ...	30·01	60	WNW	5	o	30·09	+ ·07	57	55	0	NW	5	bc	*	p.o	*	61	54	0·04
	Berlin	29·97	58	W	2	r	30·00	− ·10	54	51	− 3	W	5	r	*	r	*	70	55	0·16
	Wiesbaden ...	*	*	*	*	*									*	*	*			
	Munich	30·31	59	W	5	o	30·30	− ·01	57	55	+ 1	W	4	r	*	o	*	66	55	008
	The Helder ...	30·15	61	WNW	1	c	30·28	+ ·20	57	52	− 1	NNW	3	bc	3	c	*	64	55	–
Germany & Belgium.	Brussels ...	*	*	*	*	*	30·31	+ ·11	62	59	+ 5	N	2	o	*	bc	*	71	57	004
	Cape Gris Nez ...	30·23	60	SW	4	m	30·30	+ ·11	61	59	+ 3	E	1	m	1	m	*	64	57	–
	Paris	30·32	70	SW	2	bc	30·32	+ ·02	67	64	+ 8	2	0	b	*	bc	*	73	58	–
	Brest	30·32	62	N	1	o	30·25	− ·07	63	60	+ 4	NE	2	b	2	o	*	64	57	–
	Lorient	30·32	66	2	0	bc	30·26	− ·07	64	63	+ 2	E	3	b	2	bc	*	73	63	–
France &	Rochefort ...	30·28	68	NW	3	b	30·24	− ·12	64	62	+ 2	E	2	b	*	b	*	75	57	–
	Belfort	30·30	62	W	2	m	30·30	·00	63	59	+ 8	W	3	m	*	m	*	72	51	–
	Lyons	30·31	68	NNW	2	b	30·32	+ ·04	64	60	+ 1	ENE	1	b	*	b	*	72	56	–
	Nice	30·15	69	WSW	2	b	30·23	+ ·19	69	57	+ 3	E	1	b	0	b	*	77	59	–
	Perpignan ...	30·23	77	NW	2	b	30·26	+ ·01	72	64	+ 4	NE	1	b	*	b	*	81	58	–
	Biarritz ...	30·20	66	N	4	b	30·13	− ·16	66	62	+ 4	E	3	b	2	b	*	68	57	–
Penin-sula.	Corunna ...														*		*			
	Lisbon	29·06	78	SSW	2	b	30·09	·00	78	64	+ 1	N	1	b	*	b	*	90	70	–
	Azores (P. Delgada)	30·33	68	WNW	2	b	30·31	− ·03	70	62	0	WNW	1	bc	2	b	*	77	64	016

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

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

Bright Sunshine yesterday Southport 2·2 hrs;

WEATHER CHARTS

FOR Tuesday, 27th June, 1899.

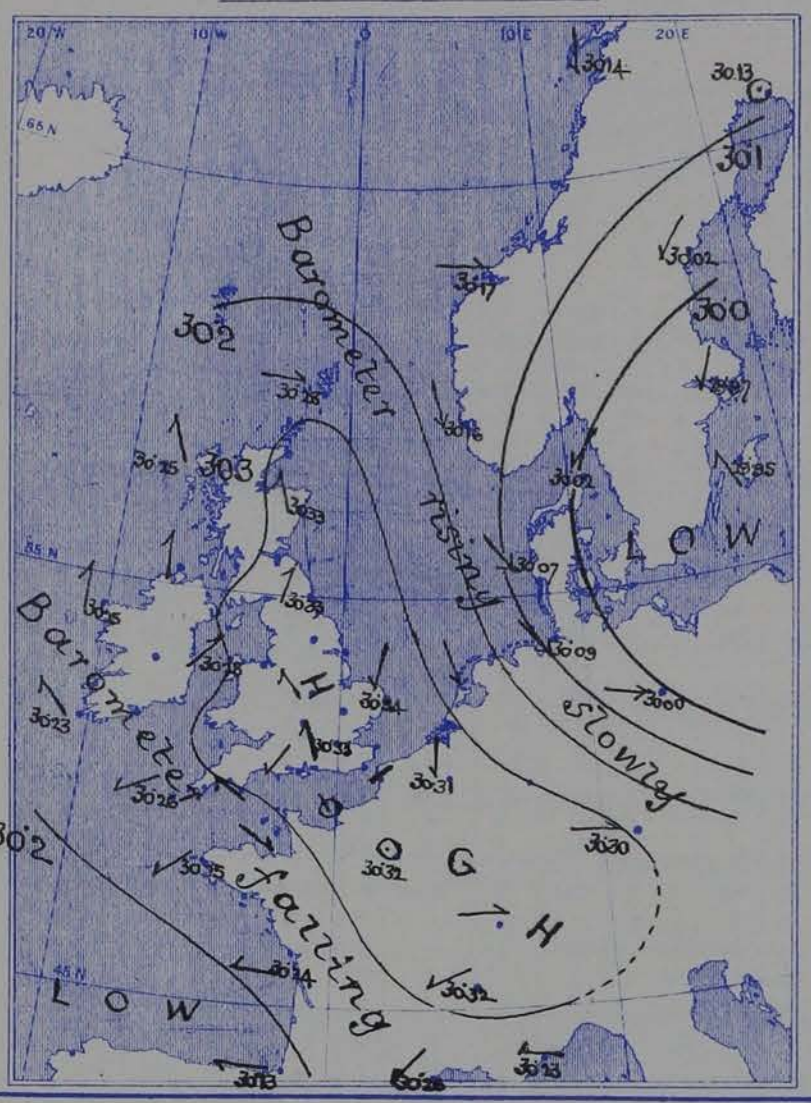
BAROMETER, WIND AND SEA.

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

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

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

SEA—*Rough* ▤ : *High* ▩

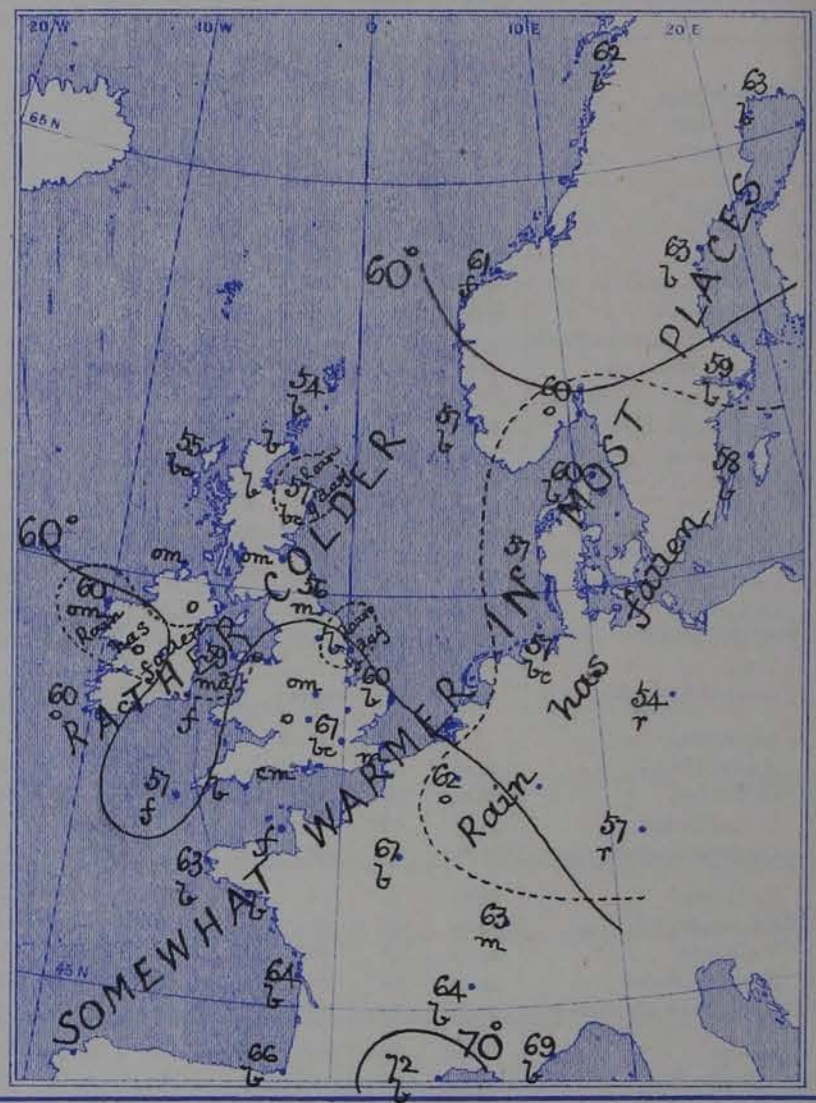


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	--	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 013	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 0	81	1877, 88	40	1892	1 · 86	—	—

* 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 30.0 ins. and upwards in an anticyclone lying over England, the E. of Scotland, Belgium, central France and W.rn Germany.
Lowest 30.0 ins. and less over the Baltic, E.rn Germany and the S. of Sweden.
Gradients slight. Barometer falling on the W. coasts of our Islands & France, but rising elsewhere.

TEMPERATURE

Highest (1) 72° at Perpignan, 69° at Nice, and 67° in London and at Paris; (2) 63° at Haparanda and Hernösand, and 62° at Bodo.
Lowest (1) 54° at Sambugh Ht. and Donaghadee, 55° at Stornoway, and 56° at Shields; (2) 54° at Berlin and 57° at Fano, Cuxhaven and Munich.
During yesterday the thermometer rose to between 70° and 75° in many parts of Gt. Britain, to 79° at Oxford, and to 82° in London.

WIND

Light from the S.rn (S.E. to S.W.) in the west and north of our Islands, but from the NE.wd on our eastern and southern coasts, and from the E.rly in the west and south of France.
Strong from the NW.wd in the eastern shores of the North Sea; W.ly in Germany; variable over the northern parts of Scandinavia, but N.ly in the south of Sweden.

WEATHER

Fine on our own N.rn, E.rn and S.rn coasts, as well as in France, Denmark & Scandinavia.
Dull in the W.rn and central parts of our Islands, with fog or mist in many places. Rain at Berlin and Munich.
Slight rain fell yesterday on some parts of our NW., N. and E. coasts, as well as in Denmark, Germany and the S. of Sweden.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over our Islands and France is inclined to move E.wds. Cloudy unsettled weather is probable in the W. and extreme N., with rain in places.

FORECASTS

For the 24 hours ending at NOON on 28TH JUNE 1899.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE.ly and S.ly winds moderate; fine at first, cloudy later.	6 SCOTLAND WEST	S.ly winds, light; cloudy, slight rain locally.
1 SCOTLAND EAST	Light breezes chiefly S.ly; fair generally.	7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	E.ly and SE.ly winds, light; cloudy, some mist or fog.
3 ENGLAND EAST	E.ly and NE.ly winds, light; fair, warm.	9 IRELAND NORTH	S.ly and SE.ly winds, moderate; cloudy, rain locally.
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.	F.	WEA.	SEA.
Skudesnaes ...	29·96	58	54	NW	4	c	2
Sumburgh Head	29·99	55	52	WNW	4	bc	5
Stornoway	30·16	62	55	NW	5	c	5
Aberdeen	30·13	62	51	NW	4	bcq	3
Shields	30·11	72	68	W	3	c	2
Ardrossan							
Malin Head ...	30·24	59	55	NW	3	b	2
Belmullet	30·27	59	56	WSW	1	o	*
Holyhead	30·26	61	59	SW	2	o	1
Valencia	30·32	63	61	SW	2	o	4
Scilly	30·34	61	58	WNW	3	c	0
Jersey	30·35	65	62	W	3	c	3
Hurst Castle ...	30·26	69	64	SW	4	bc	3
Dungeness ...	30·20	68	64	SW	4	c	3
North Foreland							
London (Westminster)	30·21	79	70	NW	2	bc	*
Yarmouth ...	30·15	74	65	WNW	3	c	3
Rochefort ...	30·28	73	64	NW	3	bc	*

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

Weather in morning fair over the greater part of our Islands, but showery in a few places. Cloudy or dull over central Europe and also over some parts of Italy and the Adriatic, with rain at Brussels, Copenhagen, Cracow and Lesina; fine and bright in most other parts of the Continent. No important change occurring over W.rn Europe during day.

Temperature risen in most places, but fallen at several of the central and southern stations. Morning readings highest 81° at Rome, 77° at Lisbon and Brindisi, and 76° at San Fernando; above 65° over S.rn Europe generally, and also in some parts of Gt. Britain. Lowest (1) 51° at Hernösand, and 53° at Stockholm and Hango; (2) 52° at Sumburgh Hd., and 54° at Skudesnaes. Rising during day to between 70° and 75° in many parts of Gt. Britain and France, to 81° at Perpignan and to 82° in London-; reaching 90° at Lisbon.

Wind W.ly or NW.ly over the greater part of our Islands, and also on the eastern shores of the North Sea; light or moderate in force generally, but strong at Wick and Fano; E.ly or SE.ly over the northern parts of Scandinavia. NE.ly over northern Russia; NW.ly in the south of that country and in Austria; W.ly in Germany. E.ly or NE.ly over the Spanish Peninsula, N.rn Italy and the southern parts of France, SW.ly or W.ly over Greece and southern Italy. No important change occurring over W.rn Europe during day.

Barometer highest 30.3 ins. and upwards in an anticyclone lying over the Bay of Biscay, the extreme southwest of our Islands and the W.rn and central parts of France, 30.1 ins. and upwards in another system over Lapland. Lowest 29.7 ins. and less in a depression over central Russia, 29.9 ins. and less in two other systems,- one lying over Denmark, the S. of Norway and the N.rn parts of the North Sea and the other off the E. coasts of Scandinavia. Anticyclone over Bay of Biscay spreading slowly N.wds 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 tranparency; w. dew.

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

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Wednesday 28th June, 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 ...	30·05	65	L	0	b	30·12	−·01	61	54	− 2	NE	2	c	*	b	*	75	54	—
	Hernösand ...	30·10	55	L	0	b	30·07	+·05	64	54	+ 1	N	2	b	*	b	*	68	48	—
	Stockholm ...	30·06	63	NNW	2	b	30·07	+·09	62	52	+ 3	NNW	2	b	*	b	*	72	45	—
	Wisby	30·05	52	NNW	4	b	30·09	+·14	52	50	− 6	NNW	4	b	*	b	*	59	45	—
	Karlstad ...	30·08	66	W	2	b	30·12	+·13	63	58	+ 5	E	2	b	*	b	*	*	*	—
	Bodö	30·26	55	W	4	c	30·28	+·14	55	52	− 7	SW	2	o	1	c	*	64	48	—
	Christiansund ...	30·28	57	W	2	o	30·22	+·05	58	54	− 3	NE	4	b	2	o	*	61	54	—
	Skudesnaes ...	30·19	56	NNW	6	bc	30·16	·00	54	53	− 3	NNW	4	f	2	b, bc	*	60	52	*
	Færder (Christiania Fjord)	30·10	68	SW	2	b	30·13	+·11	64	58	+ 4	NNW	4	bc	2	b	*	68	60	—
	Skagen (The Scaw)	30·13	60	NW	1	b	30·15	+·13	63	58	+ 3	WNW	1	b	0	b	*	70	54	—
	Fanö	30·21	56	NW	6	c	30·20	+·13	56	54	− 1	NW	2	o	*	c	*	64	54	—
British Islands.	Sumburgh Head	30·26	55	W	1	bc	30·15	−·13	53	52	− 1	ESE	3	o	4	c, bc	*	59	46	—
	Stornoway ...	30·13	59	SE	2	o	29·90	−·35	57	56	+ 2	SSE	3	r	3	o	3.1	60	52	0·12
	Wick	30·20	56	SE	4	c	30·03	−·27	53	52	− 4	S	2	o	4	c	*	62	52	—
	Nairn	30·14	67	S	1	c	29·98	−·31	59	57	+ 2	2	o	r	1	c	*	69	55	0·23
	Aberdeen ...	30·26	56	S	3	bc	30·08	−·25	56	53	− 1	SSE	4	ogq	3	b, bc, r	10·3	61	52	0·02
	Leith	30·20	61	N	1	o	29·99	−·31	58	55	o	E	1	o	*	o	*	65	55	0·27
	Shields	30·24	57	ESE	3	c	30·10	−·23	56	53	o	S	3	cp	2	c	*	62	53	—
	Spurn Head ...	30·29	57	ESE	4	bc	30·12	−·22	56	55	− 5	ESE	4	c	4	bc, r	*	62	54	0·06
	York														*					
	Loughborough ...	30·25	68	SE	2	o	30·10	−·25	58	54	− 3	SE	3	c	*	c, op, bc	*	74	52	0·06
	Ardrossan ...																*			
	Malin Head ...	30·12	59	NNW	2	ogm	29·77	−·45	58	58	+ 1	S	5	r	4	c, omg	*	67	56	0·42
	Belmullet ...	30·11	56	S	2	r	29·79	−·46	59	57	− 1	N	1	o	*	o, r	*	61	55	0·80
	Donaghadee ...	30·10	57	SSE	3	om	? 29·81	−·49	55	54	+ 1	SE	4	rblf	4	f, m	*	58	53	0·62
	Liverpool (Bidston)	30·20	69	ESE	3	o	29·98	−·33	58	54	− 3	ESE	5	c	4	om	*	71	55	0·03
	Holyhead ...	30·17	62	W	1	om	29·88	−·40	64	61	+ 5	S	2	cp	1	c, om	*	67	57	0·25
	Parsonstown ...	30·12	63	SE	1	r	29·80	−·44	61	59	− 1	SE	1	o	*	r	0·1	69	57	0·21
	Valencia ...	30·06	59	NE	1	r	29·85	−·38	58	57	− 2	W	4	op	4	r	0·0	63	57	1·05
	Roche's Point ...	30·09	59	SE	4	p	29·83	−·43	60	60	o	NW	3	r	3	p, f, m	*	61	58	0·45
	Pembroke (St. Ann's Hd.)	30·17	55	SE	2	r	29·91	−·40	59	58	+ 3	SE	6	og	4	r	1·0	61	55	—
	Scilly	30·07	62	E	5	c	29·90	−·36	59	58	+ 2	WSW	3	c	1	of, c, l, f	1·6	66	57	—
	Prawle Point ...	30·15	61	E	4	bc	30·00	−·30	60	59	− 4	ESE	3	cpw	3	bc	*	67	58	0·01
	Jersey (St. Aubin's)	30·17	75	ENE	2	b	29·98	−·33	71	65	+ 12	E	3	bcm	3	bm, gt	*	77	58	—
	Hurst Castle ...	30·20	67	E	4	bm	30·04	−·26	63	59	− 2	E	3	cm	2	cm, bm	*	74	59	—
	Dungeness ...	30·26	58	ENE	4	b	30·10	−·21	62	59	− 3	ENE	4	c	3	c	*	67	54	—
	North Foreland																*			
	London (Brixton) ...	30·27	69	ESE	3	bc	30·11	−·22	63	57	− 4	E	2	c	*	o, bc	0·5	76	52	—
	Oxford	30·23	62	ENE	3	o	30·07	−·26	60	53	− 6	ESE	3	o	*	o, c	*	75	55	—
	Cambridge ...														*					
	Yarmouth ...	30·31	59	E	2	b	30·16	−·18	58	55	− 2	SE	4	bc	3	b	*	62	53	—
Germany & Holland.	Cuxhaven ...	30·20	60	NW	4	o	30·22	+·13	57	54	o	NW	2	o	*	o	*	61	54	—
	Berlin	30·08	59	WNW	4	c	30·22	+·22	55	53	+ 1	WNW	2	o	*	c	*	64	53	0·16
	Wiesbaden ...	*	*	*	*	*	30·23		58	54		NE	3	b	*	*	*	72	48	—
	Munich	30·24	59	W	4	c	30·28	−·02	57	53	o	E	4	b	*	c	*	64	46	0·35
	The Helder ...	30·28	56	N	1	bc	30·21	−·07	57	52	o	2	o	o	o	bc	*	61	55	—
France & Belgium.	Brussels ...	*	*	*	*	*	30·17	−·14	62	56	o	NNE	1	b	*	bc	*	70	45	—
	Cape Gris Nez ...	30·26	60	E	4	c	30·12	−·18	59	55	− 2	SE	4	bc	3	c	*	64	57	—
	Paris	30·22	75	NE	2	bc	30·12	−·20	65	59	− 2	E	2	bc	*	bc	*	80	57	—
	Brest	30·07	70	SSE	1	bc	29·94	−·31	62	61	− 1	W	1	o	1	bc	*	77	57	—
	Lorient	30·07	80	SE	1	b	29·95	−·31	68	68	+ 4	S	2	bc	2	b	*	84	63	—
	Rochefort ...	30·04	88	ESE	1	b	29·98	−·26	68	64	+ 4	SE	2	c	*	b	*	95	57	—
	Belfort	30·19	71	W	2	c	30·17	−·13	61	55	− 2	NE	4	w	*	c	*	78	47	—
	Lyons	30·17	77	N	1	b	30·08	−·24	69	63	+ 5	SE	1	b	*	b	*	79	58	—
	Nice	30·14	68	SW	2	b	30·12	−·11	61	60	− 8	E	1	o	2	b	*	77	59	—
	Perpignan ...	30·15	75	SE	1	b	30·10	−·16	70	65	− 2	E	1	b	*	b	*	79	60	—
	Biarritz ...	29·97	56	E	4	b	30·01	−·12	68	64	+ 2	W	5	b	2	b	*	91	52	—
Penin-sula.	Corunna ...																*			
	Lisbon	30·09	70	N	4	b	30·14	+·05	67	61	− 11	NNW	4	b	*	b	*	88	63	—
	Azores (P. Delgada)	30·38	68	NNE	3	bc	30·46	+·15	69	64	− 1	NE	4	bc	2	bc	*	75	64	-

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

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

Bright Sunshine yesterday Southport 0·3 hrs;

WEATHER CHARTS

FOR Wednesday, 28th June, 1899.

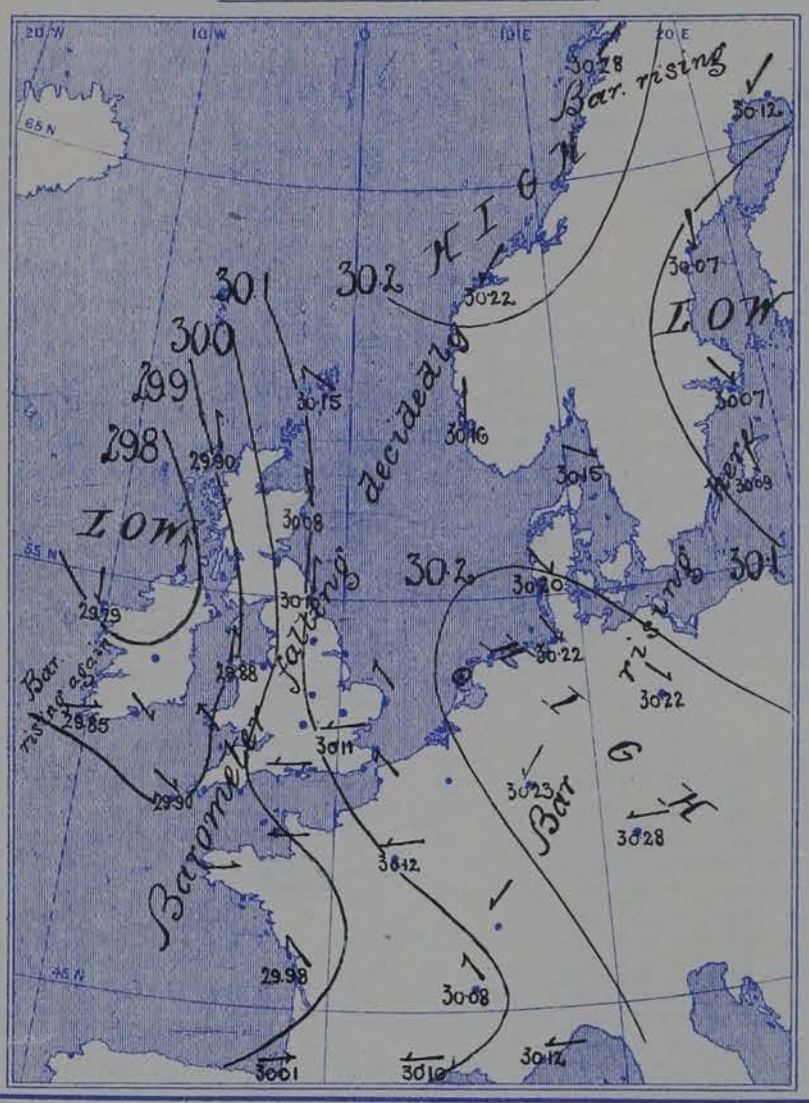
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ; *High*

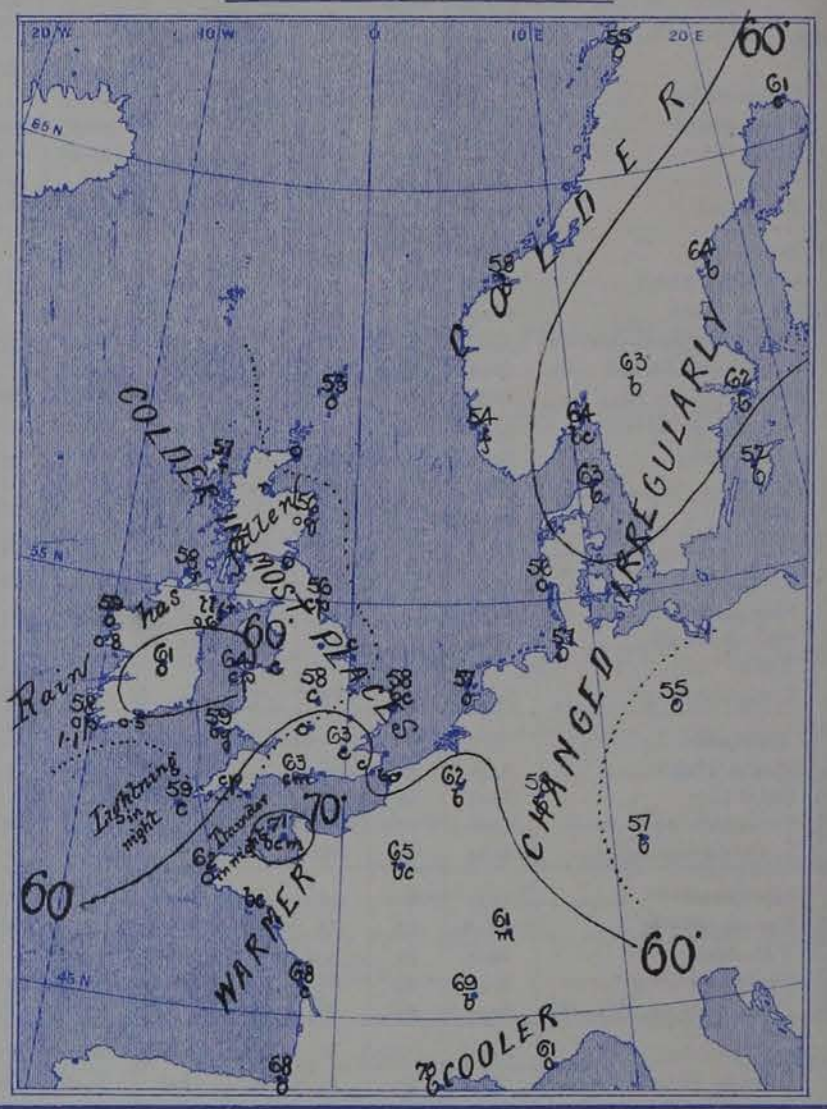


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—{A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·013	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·2 ins. and upwards in an anticyclone over Germany, and also in another system over the N^W. parts of Norway.

Lowest 29·8 ins. and less in a well marked depression with its centre off the N.W. of Ireland.

Gradients slight. Barometer falling over W^n. Europe as a whole, but beginning to rise again at Valencia (Ireland).

TEMPERATURE

Highest (1) 71° at Jersey, 70° at Perpignan, 69° at Lyons, and 68° at Lorient, Rochefort and Biarritz; (2) 64° at Faerder and Hernösand.

Lowest (1) 53° at Stornoway Hb^r. and Wick, 54° at Skudesnaes, and 55° at Donaghadee; (2) 55° at Berlin, and 56° at Fano.

During yesterday the thermometer rose to between 70° and 75° at several of the English stations, to 76° in London, and to 77° at Jersey.

WIND

Light to moderate from the E^wd. over the south of England, the Channel and the greater part of France and south Germany.

S^th. or SE^by. over all the more northern parts of our Islands, but W^by. or NW^by. on our extreme southwest coasts.

N^by. or NE^by. over the Gulf of Bothnia, NW^by. over the south of Scandinavia, Denmark & N. Germany.

WEATHER

Dull in all the more W^n. and N^n. parts of the United Kingdom, with rain or passing showers in several places; and a thunderstorm at Donaghadee.

Fair in the SE^n. parts of England; fine and bright at most of the Continental stations, but dull in N. Germany.

Since yesterday morning rain has fallen at most of our W^n. and N^n. stations, the largest amounts being 1·1 ins. at Valencia (Ireland), 0·8 in. at Belmullet and 0·6 in. at Donaghadee. Lightning was seen last night at Scilly and thunder has occurred at Jersey.

SEA

Moderate on our NW^n. and extreme N^n. coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the NW. will probably move northwards, but a small secondary system near the mouth of the Bristol Channel is likely to spread eastwards, and occasion rain in several parts of England.

FORECASTS

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

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S^by. winds, moderate or fresh; cloudy, some rain.	6	SCOTLAND WEST	Same as N^os. 0 to 2.
1	SCOTLAND EAST		7	ENGLAND N.W.	
2	ENGLAND N.E.		8	ENGLAND S.W.	W^by. and NW^by. winds, backing later, changeable, some rain, thunder locally.
3	ENGLAND EAST	E^by. winds, shifting to the S^wd. or W^wd.; fair at first, some rain later, possibly thunder.	9	IRELAND NORTH	S^by. to W^by. winds, moderate or fresh, unsettled, rain at times.
4	MIDLAND COUNTIES		10	IRELAND SOUTH	Same as N^o. 8.
5	ENGLAND SOUTH			WARNINGS	None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·21	60	55	NNW	8	b	2
Sumburgh Head	30·30	57	53	W	1	c	4
Stornoway	30·19	60	54	SE	2	o	2
Aberdeen	30·31	59	50	SE	2	b	2
Shields	30·30	61	55	ESE	3	c	3
Ardrossan							
Malin Head ...	30·15	? 63	? 59	S	2	c	1
Belmullet	30·17	60	59	S	4	o	*
Holyhead	30·25	62	60	NW	2	c	1
Valencia	30·17	62	60	SSW	1	r	3
Scilly	30·16	64	61	E	4	of	1
Jersey	30·25	71	66	S	2	b	2
Hurst Castle ...	30·26	71	65	SSE	3	cm	3
Dungeness ...	30·30	62	61	ENE	4	c	3
North Foreland							
London (Westminster)	30·31	66	60	E	3	o	*
Yarmouth ...	30·34	62	57	NE	3	b	3
Rochefort ...	30·16	95	79	E	2	b	*

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

Weather in morning dull over the W^rn. and central parts of the United Kingdom, with mist or fog in many places. Fine on our N^rn., E^rn. and S^rn. coasts, as well as over France, S^rn. Europe generally, Scandinavia and N^rn. Russia. Dull over the central parts of the Continent, with rain at several of the German and Austrian stations. Rain falling later in the W. and N. of our Islands generally; heavily in Ireland. Thunder and lightning occurring over the W^rn. parts of the Channel.

Temperature fallen in most parts of the United Kingdom, but risen elsewhere. Morning readings highest 79° at Barcelona, 78° at Lisbon, and 77° at Patras and Constantinople; above 65° at some of the English stations, and above 60° in the N^rn. parts of Scandinavia. Lowest (1) 46° at Archangel, and 49° at Hango; (2) 54° at Sumburgh Hd. and Donaghadee. Rising during day to between 70° and 75° at many of the English stations, and to 77° at Jersey; exceeding 80° in the W. and S. of France, and reaching 91° at Biarritz.

Wind light from the S^rn. (SE. to SW.) in the west and north of our Islands, but from the NE^rn. on our eastern and southern coasts, and from the E^rn. over the greater part of France. NE. ½ E. over the northern parts of Russia and Scandinavia; NW. ½ W. over Denmark, the south of Scandinavia, and the whole of central and eastern Europe; variable over the Spanish Peninsula and the Mediterranean. Subsequently backing to the E^rn. in the south of Ireland. No important change occurring elsewhere.

Barometer highest 30.2 ins. to 30.3 ins. and upwards in an anticyclone covering the greater part of W^rn. and S^rn. Europe. Lowest 29.7 ins. and less in a large but shallow depression over central Russia. Anticyclone beginning to break up later and large shallow depression approaching our Islands from the SW^rd.

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, 29th June, 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 ...	30·02	62	NNE	1	c	30·01	-·11	66	55	+ 5	SE	2	c	*	c	*	70	52	-
	Hernösand ...	30·04	52	NE	2	o	29·95	-·12	56	53	- 8	NE	2	o	*	o	*	70	45	-
	Stockholm ...	29·99	61	S	2	b	29·97	-·10	55	54	- 7	2	0	r	*	b	*	73	?	0·24
	Wisby	30·02	55	E	4	b	29·97	-·12	59	53	+ 7	W	4	b	*	b	*	63	46	-
	Karlstad ...	30·00	65	SW	2	c	29·92	-·20	64	59	+ 1	S	2	b	*	tlr.c	*	*	*	-
	Bodö	30·14	57	NNW	4	o	30·03	-·25	61	53	+ 6	ENE	4	b	1	o	*	61	50	-
	Christiansund ...	30·06	57	NE	5	b	29·94	-·28	59	55	+ 1	ENE	3	b	2	b	*	63	52	-
	Skudesnaes ...	30·03	54	NNW	2	o	29·93	-·23	52	51	- 2	S	2	o	2	bc.of	*	59	52	*
	Færder (Christiania Fjord)	30·00	65	SW	2	c	29·94	-·19	65	62	+ 1	SW	4	b	2	c	*	72	61	-
	Skagen (The Scaw)	30·06	64	NNW	1	fc	29·99	-·16	58	56	- 5	WSW	1	m	0	f	*	75	54	-
	Fanö	30·06	52	NW	0	c	29·95	-·25	61	59	+ 5	SE	2	c	*	c	*	61	52	-
	Sumburgh Head	29·96	53	ESE	4	c	29·98	-·37	53	52	0	ESE	3	o	5	o,c	*	56	50	-
	Stornoway ...	29·69	59	S	2	o	29·67	-·23	57	52	0	WSW	2	o	2	r.o	0·2	62	52	0·43
	Wick	29·83	55	S	5	o	29·69	-·34	53	53	0	S	2	o	2	o	*	56	50	0·10
	Nairn	29·75	62	W	0	r	29·69	-·29	62	59	+ 3	W	2	b	1	k.r	*	64	55	0·26
	Aberdeen ...	29·89	52	S	5	o gq r	29·75	-·33	53	52	- 3	S	1	o gr	2	o gq r	0·9	59	52	0·014
British Isles.	Leith	29·81	58	SE	1	r	29·73	-·26	61	58	+ 3	SW	2	om	*	r	*	63	54	0·35
	Shields	29·87	53	SE	3	p	29·76	-·34	55	55	- 1	SSW	3	r	3	c.p	*	60	51	0·29
	Spurn Head ...	29·86	57	SE	5	o	29·78	-·34	59	58	+ 3	WNW	1	c	2	o,r	*	59	55	0·25
	York														*					
	Loughborough ...	29·84	67	ESE	2	c	29·81	-·29	60	58	+ 2	WNW	2	cm	*	c,tl,o	*	69	56	0·15
	Ardrossan ...																*			
	Malin Head ...	29·68	57	W	3	op	29·81	+·04	55	52	- 3	WNW	5	c qp	2	op	*	62	53	0·13
	Belmullet ...	29·77	58	SW	3	om	29·92	+·13	57	52	- 2	NW	3	b	*	om	*	62	52	0·06
	Donaghadee ...	29·73	56	S	3	opf	29·82	+·01	57	55	+ 2	W	4	op	3	opf	*	59	52	0·11
	Liverpool (Bidston)	29·80	61	ENE	3	tlr	29·82	-·16	59	57	+ 1	WSW	4	c	4	tlr	*	63	55	0·99
	Holyhead ...	29·80	59	SW	3	cf	29·84	-·04	58	56	- 6	W	3	cm	2	gm2f	*	64	54	-
	Parsonstown ...	29·80	60	W	2	o	29·94	+·14	58	53	- 3	NW	2	c	*	cp,o	2·5	65	53	0·09
	Valencia ...	29·89	59	W	4	o	30·02	+·17	58	54	o	NW	3	bc	4	o	1·8	61	55	0·02
	Roche's Point ..	29·85	63	NW	5	bc	29·97	+·14	59	55	- 1	NW	3	b	3	bc	*	67	53	0·01
	Pembroke (St. Ann's Hd.)	29·87	58	W	5	bc	29·93	+·02	56	54	- 3	NW	5	o	4	o.bc	3·8	61	55	-
	Scilly	29·94	61	W	4	c	29·95	+·05	58	56	- 1	WNW	3	c	1	cf.c	4·4	65	56	0·25
	Prawle Point ...	29·87	60	WSW	3	c	29·93	-·07	60	57	o	W	4	bc	3	c	*	66	53	-
	Jersey (St Aubin's)	29·90	64	W	5	b	29·96	-·02	62	58	- 9	WSW	4	cm	3	c.k.bm	*	76	56	-
	Hurst Castle ...	29·81	66	ESE	2	bcm	29·88	-·16	62	58	- 1	WNW	4	c	3	cm.tlr.bc	*	74	58	0·08
	Dungeness ...	29·86	62	ENE	4	c	29·82	-·28	61	60	- 1	WSW	3	of	2	c.tlr	*	67	57	0·25
	North Foreland																*			
	London (Brixton) ...	29·86	67	ESE	3	o	29·83	-·28	63	58	o	WSW	2	bc	*	o,c tlp,c	2·9	77	58	0·02
	Oxford	29·82	66	S	3	tlr	29·83	-·34	62	58	- 2	WNW	2	c	*	c,p.tlr	*	75	54	0·06
	Cambridge ...														*					
	Yarmouth ...	29·94	59	ESE	5	bc	29·94	-·42	63	60	+ 5	WNW	1	bc	3	bc.t	*	63	55	-
Germany & Holland.	Cuxhaven ...	30·08	59	N	1	b	29·91	-·31	61	56	+ 4	SE	3	c	*	b	*	63	55	-
	Berlin	30·07	68	WNW	1	b	30·00	-·22	64	59	+ 9	SW	2	b	*	b	*	75	55	-
	Wiesbaden ...	*	*	*	*	*	29·89	-·34	65	59	+ 7	E	3	b	*	*	*	72	57	-
	Munich... ..	30·10	59	NE	3	b	30·03	-·25	60	57	+ 3	SE	2	c	*	b	*	68	47	-
	The Helder ...	29·95	62	ENE	2	bc	29·76	-·45	67	62	+ 10	ESE	1	c	0	bc	*	68	?	-
France & Belgium.	Brussels ...	*	*	*	*	*	29·85	-·32	61	59	- 1	WSW	1	o	*	o	*	77	57	0·08
	Cape Gris Nez...	29·89	72	SE	1	t	29·82	-·30	58	57	- 1	W	5	o	5	tlr	*	81	57	0·79
	Paris	29·89	77	ESE	2	c	29·92	-·20	61	57	- 4	W	3	c	*	c	*	82	51	-
	Brest	30·00	61	WNW	1	o	29·99	+·05	58	57	- 4	W	1	c	2	o	*	72	54	-
	Lorient	29·97	63	NW	5	o	29·99	+·04	60	59	- 8	NW	2	c	3	o	*	75	57	-
	Rochefort ...	30·00	66	NW	4	o	29·96	-·02	63	59	- 5	NW	2	o	*	o	*	88	59	-
	Belfort	29·95	76	SW	0	m	29·95	-·22	66	61	+ 5	W	3	m	*	m	*	80	55	-
	Lyons	29·93	78	SSE	1	o	29·98	-·10	64	63	- 5	N	1	o	*	o	*	86	60	0·16
	Nice	30·05	65	SE	2	c	30·00	-·12	66	63	+ 5	E	2	c	1	c	*	68	61	-
	Perpignan ...	30·04	70	NW	2	t	29·96	-·14	65	64	- 5	SE	1	t	*	t	*	77	64	0·08
	Biarritz ...	30·08	65	W	4	o	30·01	·00	62	60	- 6	WSW	3	tlr	2	o	*	70	59	0·24
Peninsula.	Corunna ...																*			
	Lisbon	30·13	64	N	5	bc	30·17	+·03	66	59	- 1	N	6	b	*	bc	*	79	63	-
	Azores (P. Delgada)	30·50	67	NE	4	b	30·51	+·05	69	66	o	NNE	3	c	2	b	*	75	64	-

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

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

Bright Sunshine yesterday Southport 0·1 hrs;

WEATHER CHARTS

FOR Thursday, 29th June, 1899.

BAROMETER, WIND AND SEA.

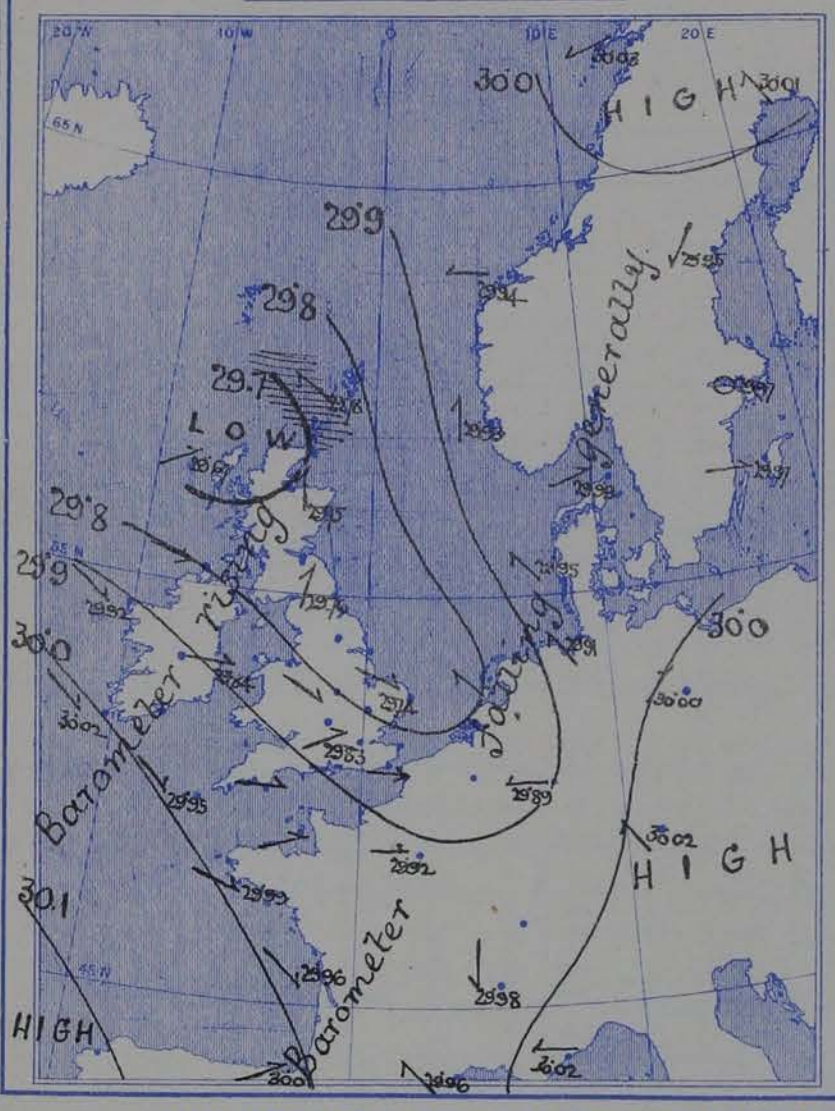
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟶ ;

SEA—Rough ; *High*

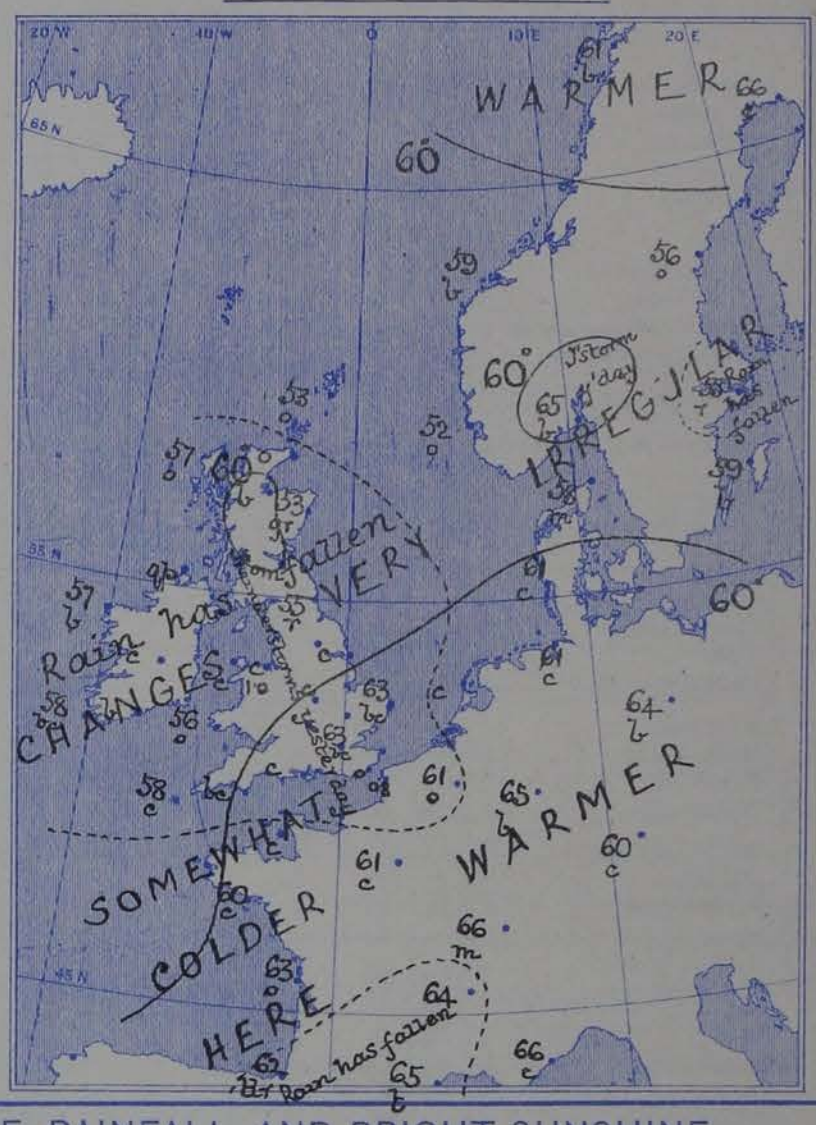


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62 3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·013	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52 0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·9	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

* 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 Portugal, 30·0 in: and upwards over Germany and the southeast of France and also over the northern of Scandinavia.
Lowest, 29·7 in: and less, in a depression with its centre off the north of Scotland; 29·8 in: and less, in a secondary hollow over the north and east of England and the neighbouring parts of the North Sea.
Gradients slight. Barometer rising in most parts of the United Kingdom, but falling at the Continental stations.

TEMPERATURE

Highest, (1) 67° at the Helder and 66° at Beafort, Nice and Lisbon; (2) 66° at Haparanda and 65° at Jander: highest in our Islands 63° in London and Yarmouth.
Lowest, (1) 52° at Skudesnaes, and 53° at Sumburgh Hd. Wick, and Aberdeen: (2) 55° at Stockholm, and 56° at Hernösand.
During yesterday the thermometer rose to 70° and upwards at most of our southern stations and to 77° in London. On several parts of our northeast, north, and west coasts it failed to reach 60°.

WIND

Light to moderate from the W^ds or NW^ds over the greater part of Ireland, England, and France, but E^ly in the extreme south of France.
Light from the S^th or SW^ds in Scotland, and from the SE^ds on the eastern shores of the North Sea; E^ly in the northern part of Scandinavia.

WEATHER

Fine over the southern parts of our Islands, as well as in Norway, Denmark, and Germany.
Cloudy or dull elsewhere, with rain or passing showers at several of our more northern stations, as well as at Stockholm. Thunderstorms were reported at Biarritz and Perpignan.
Rain fell yesterday over the greater part of our Islands and France, the largest amounts being 1·0 in: at Liverpool and 0·8 in: at Cape Gris Nez. In the east and northeast of London the fall was also heavy. Thunderstorms occurred at most of the English stations, as well as at C. Gris Nez and Karlstad, and thunder was heard at Nairn.

SEA

Moderate to smooth generally, but rather rough at Sumburgh Head and also at Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions noticed over our Islands yesterday are passing away to the northward or eastward, and an anticyclone is apparently spreading over our west and southwest coasts from the Atlantic. A temporary improvement in the weather is therefore probable in most districts.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND, NORTH	S^ly to W^ly winds, light; cloudy, some rain.
1	SCOTLAND, EAST	S^ly to W^ly and NW^ly winds, light; rainy at first, some improvement later.
2	ENGLAND, N.E.	
3	ENGLAND, EAST	W^ly or NW^ly winds, moderate; unsettled at first, with local thundershowers, then fair.
4	MIDLAND COUNTIES	
5	ENGLAND, SOUTH	
6	SCOTLAND, WEST	W^ly and NW^ly winds, moderate; changeable, some showers, thunder locally.
7	ENGLAND, N.W.	
8	ENGLAND, S.W.	NW^ly winds, light or moderate; fair generally.
9	IRELAND, NORTH	Same as No 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.	F.	WEA.	SEA.		BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·10	59	55	NNW	4	bc	2	Valencia	29·89	59	55	W	5	o	5
Sumburgh Head	30·05	54	52	ESE	4	o	5	Scilly	29·94	64	59	WNW	4	cf	1
Stornoway	29·76	60	59	S	2	r	2	Jersey	29·90	70	65	W	4	c	3
Aberdeen	29·98	56	53	SSE	4	cq	4	Hurst Castle ...	29·88	73	65	E	3	ctm	2
Shields	29·96	57	56	ESE	4	c	3	Dungeness	29·94	66	62	ENE	4	c	3
Ardrossan								North Foreland							
Malin Head ...	29·86	60	59	S	4	op	3	London (Westminster)	29·93	71	65	ESE	2	o	*
Belmullet	29·78	59	58	SW	1	o	*	Yarmouth ...	30·03	59	56	ESE	5	bc	4
Holyhead	29·83	60	59	SW	3	ogmā	2	Rochefort ...	30·00	72	66	NW	4	o	*

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

Weather in morning dull in all the more western and northern parts of the United Kingdom, with rain or passing showers in several places and a thunderstorm at Omagh. Fine in the southeast of England, as well as over Belgium, France, western Germany, and the greater part of southern Europe. Fine also over Scandinavia and the Baltic, but dull in many parts of the eastern and central countries, with rain at Krapis and Vienna. Rain falling later over nearly the whole of our Islands, France and the Netherlands, with thunderstorms at most of the English stations, as well as at Cape Gris Nez and Karlstad.

Temperature fallen in many parts of Great Britain and Central Europe, risen elsewhere. Morning readings highest 77° at Barcelona, 76° at Patras and Constantinople, and 75° at Trieste; above 65° in most parts of France and southern Europe, and above 60° in Sweden and Denmark. Lowest (1) 50° at Krapis, 52° at Wick and 54° at St Petersburg; (2) 53° at Sumburgh Hd and Wick. Daily maxima below 60° on some parts of our northwest, north, and east coasts, but thermometer exceeding 75° at some stations in the south of England; exceeding 80° in France, and reaching 86° at Lyons.

Wind light to fresh from the E. or SE. over the greater part of England and France, and light from the S. or SE. in Scotland, W. or NW. on our extreme southwest coasts. N. (NE. to NW.) over northern and central Europe, and also over Italy, but S. or SW. over Greece and the south of Russia. Variable over Spain and the Mediterranean; N. in Portugal. Subsequently shifting to the W. or NW. over the Bay of Biscay and the western part of the Channel.

Barometer highest 30·2 ins: and upwards (1) over the northern part of Norway, (2) over Germany and Holland; (3) over the northwest of Spain: (4) over Corsica, and (5) over Sicily. Lowest 29·7 ins: and less in a large shallow depression over Central Russia; 29·8 ins: and less in another disturbance with its centre off the northwest of Ireland (small secondaries lying over our southwest coasts and the west of France). Depression in northwest subsequently moving northwards. Secondary systems advancing eastwards and northeastwards across England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday, 30th June 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 ...	30·15	63	2	0	0	30·02	+·01	67	55	+1	SE	2	c	#	0	#	75	57	-
	Hernösand ...	29.97	54	2	0	b	29.97	+·02	56	52	0	2	0	f	#	b	#	66	48	-
	Stockholm ...	29.95	57	SE	2	b	29.97	·00	63	57	+8	2	0	c	#	b	#	64	48	0·12
	Wisby	29.92	58	SE	4	bc	29.97	·00	57	54	-2	W	4	c	#	bc	#	64	46	0·04
	Karlstad ...	29.88	61	S	2	r	29.91	-·01	60	58	-4	ESE	2	c	#	tlr	#	#	#	0·39
	Bodö	30·01	59	NE	2	b	29.97	-·06	67	57	+6	E	4	b	1	b	#	?	54	-
	Christiansund ...	29.86	61	NE	3	b	29.78	-·16	62	56	+3	NNW	3	b	2	b	#	64	54	-
	Skudesnaes ...	?	59	2	0	c	29.75	-·18	61	58	+9	2	0	b	1	b,c	#	61	50	#
	Færder (Christiania Fjord)	29.88	61	SSW	2	bc	29.86	-·08	64	59	-1	SE	2	c	1	bc	#	65	61	-
	Skagen (The Scaw)	29.91	64	SSE	2	bc	29.82	-·17	65	61	+7	SSE	3	o	0	bc	#	79	57	-
	Fanö	29.80	66	ESE	5	c	29.76	-·19	62	61	+1	SE	2	ct	#	[illegible]	#	79	59	-
British Islands.	Sumburgh Head	29.76	53	SE	2	o	29.75	-·03	52	51	-1	NNW	1	o	3	o	#	56	50	0·01
	Stornoway ...	29.75	57	W	3	c	29.73	+·06	56	52	-1	WSW	3	c	3	o,c	7·1	60	49	0·03
	Wick	29.75	55	S	2	r	29.79	+·10	58	54	+5	S	1	bc	1	r	#	59	42	0·25
	Nairn	29.78	60	W	3	c	29.79	+·10	59	52	-3	W	2	b	1	c	#	66	44	0·03
	Aberdeen ...	29.76	57	NW	3	op	29.81	+·06	58	52	+5	E	2	bc	1	o g.op	0·1	60	50	0·24
	Leith	29.79	62	W	2	b	29.84	+·11	60	53	-1	W	3	bc	#	b	#	67	48	-
	Shields	29.80	59	NW	2	o	29.87	+·11	55	52	0	W	2	bc	2	klr.o	#	65	45	0·62
	Spurn Head ...	29.80	59	W	2	c	29.89	+·11	57	53	-2	WNW	4	b	4	klr,p	#	65	53	0·30
	York														#					
	Loughborough ...	29.86	62	W	3	c	29.95	+·14	60	55	0	NW	1	bcmw	#	c.bcm.b	#	69	48	-
	Ardrossan ...														#					
	Malin Head ...	29.88	56	W	5	c	29.77	-·04	56	55	+1	S	3	bc	2	c	#	?3	52	-
	Belmullet ...	29.98	57	W	4	c	29.73	-·19	55	54	-2	SSE	5	o	#	b,c	#	59	52	0·03
	Donaghadee ...	29.90	56	W	2	cp	29.88	+·06	55	52	-2	SW	3	c	2	cp	#	59	47	0·10
	Liverpool (Bidston)	29.91	57	W	3	c	29.93	+·11	57	53	-2	WSW	1	bc	2	c	#	61	51	-
	Holyhead ...	29.93	60	W	2	c	29.93	+·09	57	53	-1	WSW	2	c	1	c	#	63	51	-
	Parsonstown ...	29.98	59	W	1	c	29.86	-·08	58	53	0	SE	1	o	#	c.r	9.2	63	47	0·04
	Valencia ...	30.06	58	W	3	cv	29.76	-·26	57	56	-1	S	5	rm	5	bv,c	10.0	60	53	0·10
	Roche's Point ..	30.01	63	NW	4	b	29.87	-·10	58	55	-1	SW	5	o	4	b	#	64	52	-
	Pembroke (St. Ann's Hd.)	30.00	58	NW	4	bc	29.98	+·05	57	54	+1	SW	3	c	3	bc	6.9	60	54	-
	Scilly	30.04	61	WNW	4	c	30.01	+·06	61	57	+3	SSW	4	c	1	c	11·3	63	56	-
	Prawle Point ...	29.98	62	WNW	4	b	30.04	+·11	57	54	-3	SW	3	b	2	b	#	67	52	-
	Jersey (St. Aubin's)	29.99	62	WNW	5	b	30.08	+·12	60	57	-2	W	3	bcm	3	bc.b	#	64	55	-
	Hurst Castle ...	29.90	70	NNW	2	bc	30.01	+·13	62	57	0	WSW	2	bc	2	c.bc	#	72	53	-
	Dungeness ...	29.89	61	WSW	5	bc	29.97	+·15	60	56	-1	NNW	3	b	2	bc	#	65	50	-
	North Foreland														#					
	London (Brixton) ...	29.84	71	WNW	2	bc	29.99	+·16	60	54	-3	NW	2	b	#	bc	9.5	75	50	-
	Oxford	29.91	61	NW	2	o	29.98	+·15	59	55	-3	SW	3	bc	#	cp	#	71	60	-
	Cambridge ...														#					
	Yarmouth ...	29.79	61	SE	1	c	29.91	+·17	60	54	-3	WNW	3	b	2	klr.b	#	67	52	0·20
Germany & Holland.	Cuxhaven ...	29.78	72	2	0	0	29.77	-·14	62	60	+1	2	0	m	#	klr.o	#	73	59	0·04
	Berlin	29.88	7	SSE	1	b	29.82	-·18	63	59	-1	SE	2	o	#	b	#	81	62	-
	Wiesbaden ...	#	#	#	#	#	29.90	+·01	63	59	-2	NW	2	o	#	#	#	77	59	0·20
	Munich... ..	29.99	61	SW	5	o	29.94	-·09	65	62	+5	SW	1	c	#	o	#	77	54	0·51
	The Helder ...	29.77	60	ESE	2	bc	29.84	+·08	59	57	-8	WNW	1	bc	1	bc	#	68	55	0·12
Belgium.	Brussels ...	#	#	#	#	#	29.95	+·10	60	58	-1	WNW	2	c	#	c	#	71	51	-
	Cape Gris Nez...	29.87	60	WNW	5	b	29.98	+·16	57	55	-1	N	3	bc	3	b	#	61	54	-
	Paris	29.92	68	WNW	2	bc	30.03	+·11	57	55	-4	WNW	2	bc	#	bc	#	71	53	-
	Brest	30.06	61	NW	2	bc	30.10	+·11	59	56	+1	W	2	o	2	bc	#	73	54	-
	Lorient... ...	30.04	64	NW	4	bc	30.14	+·15	61	59	+1	NW	1	c	3	bc	#	75	55	-
France &	Rochefort ...	30.00	65	NW	4	bc	30.13	+·17	60	56	-3	NNW	3	bc	#	c.bc	#	70	59	-
	Belfort	29.89	63	W	1	r	29.98	+·03	53	55	-11	W	1	r	#	r	#	77	53	0·32
	Lyons	29.94	59	NW	3	r	30.04	+·06	57	56	-7	WNW	1	o	#	tlr	#	67	56	0·95
	Nice	29.97	65	E	2	c	29.92	-·08	61	59	-5	E	2	o	1	o	#	?	?	0·04
	Perpignan ...	29.95	67	NW	2	o	30.10	+·14	65	57	0	NW	3	b	#	o	#	75	59	0·43
	Biarritz ...	30.04	65	NW	3	c	30.16	+·15	64	59	+2	NW	3	c	2	c	#	66	59	0·16
Penin-sula.	Corunna ...														#					
	Lisbon	30·23	62	NNE	5	b	30.22	+·05	65	58	-1	NNE	6	b	#	b	#	72	59	-
	Azores (P. Delgada)	30.50	69	NE	4	b	30.47	-·04	70	65	+1	NNE	3	b	2	b	#	77	64	-

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

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

Bright Sunshine yesterday Southport 6·0 hrs;

WEATHER CHARTS

FOR Friday, 30th June, 1899.

BAROMETER, WIND AND SEA.

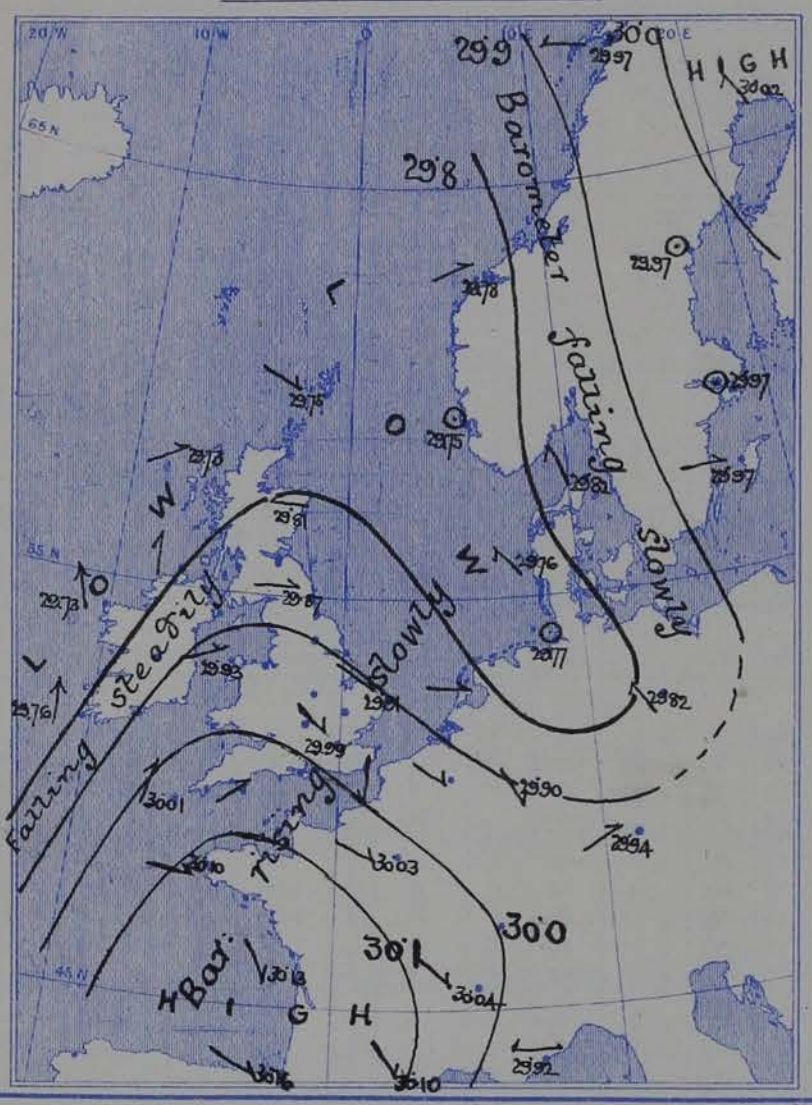
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟩⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▩

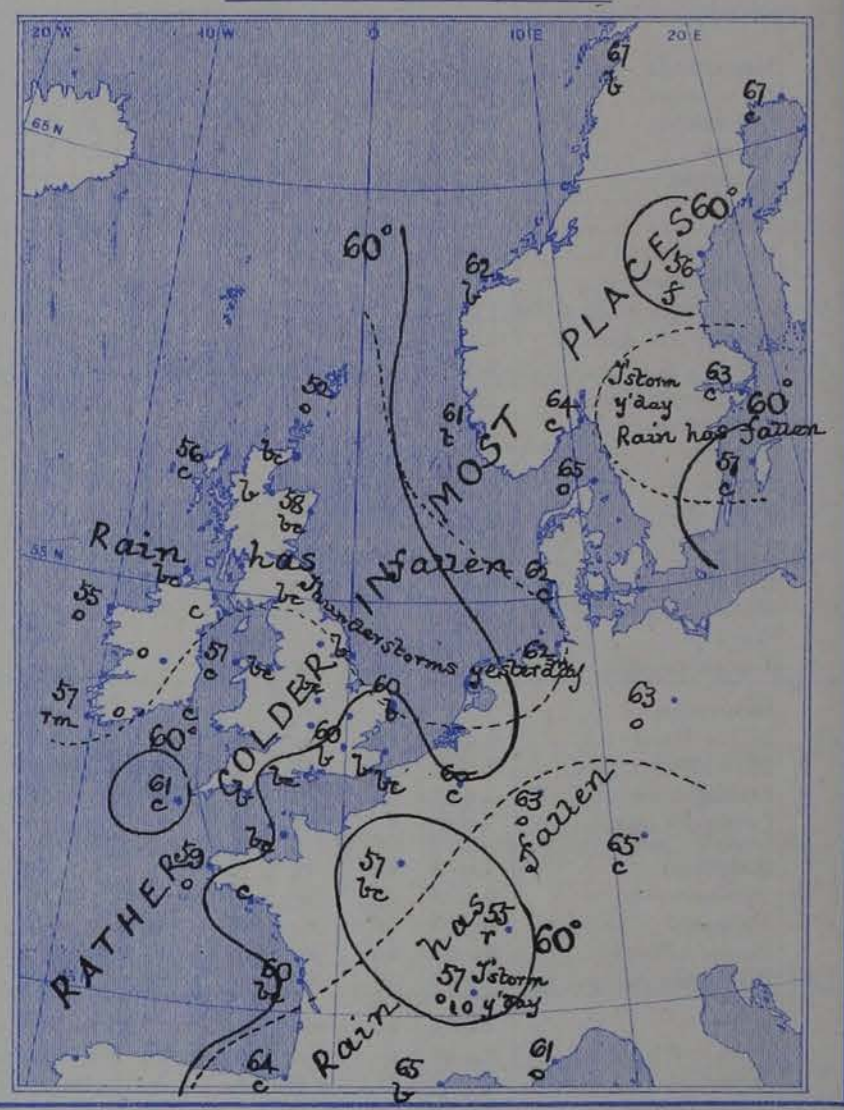


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus—0·6.



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

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	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·013	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

* 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 over the Spanish Peninsula, the Bay of Biscay, and the greater part of France; 30·0 in: and upwards another system over Finland.
Lowest, 29·8 in: and less, in a depression approaching the west of Ireland and also in other system over the eastern part of the North Sea.
Gradients slight generally, but moderate and increasing over Ireland.
Barometer rising in all the more eastern parts of our Islands, and also in France and the Netherlands, falling elsewhere, quickly in the west of Ireland.

TEMPERATURE

Highest, (1) 67° at Bodö and Haparanda; (2) 65° at Memich and Perpignan; highest in our Islands 62° at Hurst Castle.
Lowest, 52° at Leemburgh Head, 55° at Shields, Belmullet and Donaghadee, and 56° at Stornoway and Malin Head.
During yesterday the thermometer rose to 65° and upwards in many parts of Great Britain, to 70° and upwards in the south of England, 75° in London.

WIND

S^{ly} or SW^{ly} on our western and extreme northern coasts, and fresh in force in the west and south of Ireland.
Light from the W^{ds} over the eastern and central parts of Great Britain, and from the NW^{ds} over France and the Netherlands; SE^{ly} in Denmark and North Germany; variable in Scandinavia.

WEATHER

Fine over Great Britain, the Netherlands, and the north and west of France, as well as in the west of Norway.
Dull in Ireland, with rain at Valencia, cloudy or dull also in most parts of Denmark, Germany, Central France and the south of Scandinavia, with rain at Belfort, and thunder at Skudesnaes and Paris.
Rain fell yesterday over the north and east of our Islands and also at many of the Continental stations, the largest amounts being 1·0 in: at Lyons and 0·6 in: at Shields. Thunderstorms occurred in the north and east of England, as well as at Karlstad, Copenhagen, and Lyons.

SEA

Slight or smooth generally, but rather rough at Valencia (Ireland).

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which is approaching the Irish coasts seems likely to move northeastwards. Unsettled weather is probable over the United Kingdom generally, and a considerable increase of wind from the S^{ds} or SW^{ds} in the west and north.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Wind backing to the S^{ds} and freshening considerably; fine at first then squally and rainy.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W^{ly} to SW^{ly} or S^{ly} winds, freshening; fine at first, some rain later.
6	SCOTLAND WEST	S^{ly} and SW^{ly} winds, increasing in force; fair at first then cloudy with some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
▼ 9	IRELAND NORTH	S^{ly} to W^{ly} winds, strong, perhaps a gale; squally and rainy at first, some improvement later.
▼ 10	IRELAND SOUTH	
	WARNINGS	At 10 a.m. today to district 10 and part of 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.	F.	WEA.	SEA.
Skudesnaes ...	29.91	60	55	SW	4	b	2
Sumburgh Head	29.76	55	54	SE	3	o	5
Stornoway	29.74	58	55	W	2	o	2
Aberdeen	29.73	58	57	SE	2	o g	2
Shields	29.75	63	60	ESE	3	klf	3
Ardrossan							
Malin Head ...	29.87	59	54	W	4	c	2
Belmullet	29.98	59	58	WNW	3	b	*
Holyhead	29.90	62	59	NW	2	c	1
Valencia	30.06	60	53	WNW	4	bv	5
Scilly	30.01	61	56	WNW	4	c	1
Jersey	29.98	63	59	W	5	bc	3
Hurst Castle ...	29.88	67	63	WSW	4	c	2
Dungeness ...	29.81	65	62	WSW	5	bc	4
North Foreland							
London (Westminster)	29.82	75	62	NW	3	bc	*
Yarmouth ...	29.76	66	61	NNE	3	b	3
Rochefort ...	29.98	70	64	NW	3	c	*

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

Weather in morning fine in all the more southern parts of our Islands, as well as in most of the Continental countries, but dull in the southern part of France, with thunderstorms at Biarritz and Perpignan. Dull over the northern parts of the United Kingdom, with rain or passing showers in many places. Rain falling later in the north and east of our Islands, and also in Sweden, Germany and the south of France – heavily in places. Thunderstorms occurring in the north and east of England, as well as at Karlstad, Cuxhaven & Lyons.

Temperature changed very irregularly. Morning readings highest 79° at Brindisi, 78° at Palma, and 77° at Athens: above 65° in most parts of southern Europe, and also in Lapland. Lowest (1) 51° at Breslau and 53° at Vienna; (2) 53° at Sumburgh Head, Wick and Aberdeen. Rising during day to 65° and upwards in many parts of Great Britain, to 70° and upwards in the south of England and to 75° in London. Exceeding 75° in some parts of France and Germany, and reaching 81° at Berlin.

Wind light to moderate from the W^wd. or NW^wd. over the greater part of Ireland, England, and France, but E^ly in the extreme south of France. Light from the S^wd. or SW^wd. over Scotland and from the SE^wd. on the eastern shores of the North Sea, E^ly in the northern parts of Scandinavia, N^ly in Russia, calm or variable over Austria and Italy. Subsequently veering to the W^wd. or NW^wd. in Scotland; no important change occurring elsewhere.

Barometer highest 30·1 ins: and upwards over the western parts of the Spanish Peninsula, and also over the central and southern parts of Italy; 30·0 ins: and upwards in the extreme north of Russia and Scandinavia. Lowest 29·7 ins: and less, in two depressions,– one lying off the north of Scotland and the other over Central Russia, 29·8 ins: and less, in a secondary hollow over the north and east of England and the adjacent parts of the North Sea. Scotch depression and secondary moving northeastwards later and barometer rising over Western Europe generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 ,,

REPORTS FOR JUNE 1899.

2. CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Donaghadee	-	-	-	-	-	-	-	? 59	-	0	-	-	-	-	-	-	-	-	-
3	Spurn Head	-	-	WNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-
6	Parsonstown	-	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	78	-	-
8	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-
..	Donaghadee	-	-	-	-	-	30.49	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-
10	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?67	-	-
11	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?70	-	-
..	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	D	-	-	-	-	-	-
12	Donaghadee	-	-	-	-	-	30.24	-.05	-	-	-	-	-	-	-	-	-	-	-	-
..	Pembroke	30.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	5	0	-	-	-	-	-	-
..	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-
..	Prawle Point	-	-	-	-	-	-	-	-	-	+ 11	-	-	-	-	-	-	-	-	-
14	Leith	-	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	-	-
16	Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.8	-	-	-
..	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	-	-
17	Dungeness	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-
.	Oxford	-	-	-	-	-	-	-	52	51	- 8	-	-	-	-	-	-	-	-	-
18	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-
..	Pembroke	-	-	-	-	-	-	-	52	52	- 10	-	-	-	-	-	-	-	50	-
20	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	57	-
22	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
27	Nairn	30.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
..	Malin Head 2pm	-	-	-	-	-	-	-	58	54	-	-	-	-	-	-	-	-	-	-
28	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	-	-
..	Donaghadee	-	-	-	-	-	29.89	-.41	-	-	-	-	-	-	-	-	-	-	-	-
29	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10
..	Malin Head 2pm	-	-	-	-	-	-	-	58	-	-	-	-	-	-	-	-	-	-	-
30	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	-	-

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather	BAROMETER.		TEMPERATURE.			WIND.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	TEMP.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Corunna	30·01	63	NW	1	f	30·02	+·03	66	61	+ 2	NW	1	f	2	f	-	79	59	0·08
2	Azores	30·31	61	NNW	3	c	30·31	+·08	66	59	+ 1	NNE	3	b	2	c	-	70	59	-
3	Corunna	30·11	62	NW	3	f	30·06	-·06	61	58	+ 1	N	1	f	2	f	-	63	55	-
4	Brussels	-	-	-	-	-	30·25	+·08	62	-	- 6	NE	1	b	-	b	-	77	49	-
5	Corunna	30·08	62	NW	3	f	30·12	+·04	61	58	- 1	NW	1	f	2	f	-	66	57	-
6	Berlin	30·26	71	NNW	1	b	30·25	-·04	66	-	+ 4	SW	1	b	-	b	-	79	59	-
"	Lyons	30·17	76	ESE	4	bc	30·25	+·06	69	62	+ 4	E	1	b	-	bc	-	86	59	-
"	Corunna	30·11	63	NW	3	f	30·16	+·04	61	59	0	NW	1	f	2	f	-	64	57	-
7	Lyons	?	82	ESE	1	b	30·19	-·06	68	63	- 1	E	1	b	-	b	-	87	56	-
"	Corunna	30·20	62	NW	3	f	30·16	·00	60	58	- 1	SSW	1	f	?	f	-	?	?	?
"	Lisbon	30·11	68	N	3	b	30·11	-·02	67	62	- 2	NNW	3	c	-	b	-	81	63	-
8	Belfort	30·08	73	NE	3	m	30·19	·00	60	-	- 6	ENE	3	m	-	m	-	81	52	-
"	Corunna	30·11	66	N	5	bc	30·12	-·04	64	53	+ 4	NW	1	f	0	bc	-	68	60	-
9	Corunna	30·07	67	NNE	4	f	30·08	-·04	66	63	+ 2	NE	3	f	2	f	-	77	61	-
"	Azores (P. Delgada)	30·38	65	N	2	b	30·34	·00	67	63	0	N	3	bc	2	b	-	73	63	0·04
10	Corunna	30·02	64	N	3	f	29·88	-·20	66	64	0	NNE	1	f	2	f	-	70	63	0·08
11	Brussels	-	-	-	-	-	30·28	-·01	51	-	+ 1	ENE	1	0	-	b	-	63	41	-
12	Brussels	-	-	-	-	-	30·17	-·11	52	-	+ 1	N	1	f	-	b	-	64	43	-
"	Corunna	30·03	69	W	1	bc	30·08	-	63	60	-	W	1	f	4	bc	-	73	59	0·08
13	Corunna	30·18	64	W	3	0	30·18	+·10	66	60	+ 3	WSW	4	0	5	0	-	72	61	-
14	Corunna	30·07	62	NW	4	f	29·99	-·19	63	61	- 3	NW	3	f	2	f	-	66	59	-
"	Lisbon	30·01	64	NNW	3	b	29·95	-·14	66	60	+ 2	NNW	4	b	-	b	-	72	61	-
15	Corunna	30·01	68	N	4	b	30·04	+·05	62	57	- 1	N	3	b	2	b	-	68	55	-
17	Corunna	30·06	68	N	3	b	30·13	-	67	58	-	NE	2	b	2	b	-	72	54	-
20	Corunna	29·73	67	SW	8	0	29·75	-	58	55	-	W	8	0	8	0	-	70	48	0·08
21	Corunna	29·75	62	WNW	9	0	29·89	+·14	60	55	+ 2	NW	3	bc	4	0	-	63	48	0·04
22	Brussels	-	-	-	-	-	29·56	-·04	59	-	- 5	NNW	1	f	-	r	-	70	55	0·63
"	Cape Gris Nez	29·64	59	E	1	0	29·65	-·14	58	-	- 2	NE	1	0	1	0	-	66	55	-
23	Corunna	30·06	63	W	4	0	30·20	-	64	57	-	W	3	bc	2	0	-	64	55	0·16
24	Corunna	30·20	63	NW	3	c	30·36	+·16	61	57	- 3	NW	3	c	3	c	-	64	52	-
26	Corunna	30·34	68	N	4	b	30·23	-·14	70	61	+ 6	NNE	1	b	2	b	-	70	52	?
27	Corunna	30·25	73	NE	2	b	29·98	-·25	72	66	+ 2	E	1	b	2	b	-	84	59	-
28	Corunna	30·07	73	WNW	1	b	30·21	+·23	64	60	- 8	WNW	1	0	-	b	-	79	57	-
29	Corunna	30·22	64	NW	1	0	30·13	-·08	61	59	- 3	SSW	3	0	2	0	-	66	55	-
30	Corunna	30·19	63	NW	5	0	30·24	+·11	62	59	+ 1	NW	3	b	3	0	-	66	57	0·08