

METEOROLOGICAL OFFICE,
LONDON.

DAILY WEATHER REPORTS.

1ST JULY — 31ST DECEMBER,
1889.

See Reg. Lond.

DAILY WEATHER REPORT.

July to December 1889.



DAILY WEATHER REPORT.

for THURSDAY 1ST AUGUST 1889.

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

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.85	50	N	2	b	29.90	+0.09	54	45	0	N	4	b	*	61	48	—	
	Hernösand ...	29.95	60	X	0	b	30.02	+0.26	57	51	0	N	4	b	*	75	54	—	
	Stockholm ...	29.97	57	N	2	b	30.01	+0.16	62	55	+3	W	2	b	*	68	53	—	
	Wisby ...	29.95	58	NNE	4	b	30.05	+0.26	57	58	+3	WNW	4	b	*	63	48	—	
	Bodö ...	30.08	50	W	1	c	30.08	+0.01	58	44	0	S	0	c	1	52	40	—	
	Christiansund...	30.07	54	NNE	4	b	30.01	-0.11	54	51	0	X	0	b	0	57	48	—	
	Skudesnaes ...	30.09	55	NW	4	b	30.05	-0.05	53	53	+1	S	0	b	2	61	46	—	
	Christiania Fjord (Farder)	29.97	63	WSW	4	b	30.03	-0.01	61	57	+5	SE	3	o	2	68	?	—	
	Skagen (The Scaw)	30.01	59	W	1	b	30.01	+0.02	53	58	-1	WNW	1	c	1	75	53	—	
	Fanö ...	30.12	53	NW	3	b	30.12	+0.05	62	57	+1	WNW	4	c	*	66	52	—	
BRITISH ISLANDS.	Sumburgh Head	30.02	56	SE	3	o	29.87	-0.22	58	58	0	S	0	o	2	60	56	—	
	Stornoway ...	29.88	67	SW	4	c	29.84	-0.11	53	56	-4	S	2	c	2	69	53	—	
	Wick ...	29.96	60	S	4	o	29.84	-0.23	64	61	+6	NW	1	o	1	64	56	0.05	
	Nairn ...	29.89	75	SW	1	c	29.82	-0.19	65	58	+4	W	1	cm	1	81	61	—	
	Aberdeen...	30.02	58	SE	1	om	29.89	-0.22	62	53	+5	S	2	cm	3	62	52	—	
	Leith ...	29.97	62	SE	1	b	29.88	-0.18	69	61	+9	SW	1	c	*	72	57	—	
	Shields ...	30.01	64	SE	2	o	29.92	-0.17	59	56	0	SW	3	c	2	70	57	—	
	Spurn Head ...	30.06	62	SE	4	b	29.97	-0.15	62	60	0	SE	4	c	4	64	57	—	
	York ...	30.05	75	SE	1	c	29.98	-0.15	61	53	+1	SE	1	c	*	80	56	—	
	Loughborough	30.05	75	SE	3	c	29.98	-0.14	65	62	-1	SE	2	cm	*	79	58	—	
GERMANY.	Ardrossan ...	29.94	65	ENE	1	b	29.90	-0.09	59	58	-7	SW	2	om	1	72	57	—	
	Malin Head ...	29.89	63	WNW	2	b	29.87	-0.02	53	57	-6	S	3	cm	1	71	54	—	
	Mullaghmore ...	29.92	63	W	2	o	29.86	-0.01	60	53	-5	S	5	c	2	70	51	—	
	Belmullet ...	29.82	61	SW	4	b	29.82	-0.03	60	57	-1	SW	4	o	*	65	57	0.01	
	Donaghadee ...	29.95	61	SW	3	b	29.94	-0.06	61	58	0	WNW	2	m	0	70	60	—	
	Barrow-in-Furness	29.96	61	SE	3	b	29.94	?	61	58	-4	SW	2	o	*	73	60	—	
	Liverpool (Bidston)	29.99	74	SE	2	c	29.97	-0.09	64	53	-4	SE	1	o	2	78	58	—	
	Holyhead ...	29.98	64	WNW	1	b	29.97	-0.02	57	56	-12	S	3	cm	2	76	53	—	
	Parsonstown ...	29.94	65	SW	2	c	29.92	-0.01	58	53	-7	S	0	c	*	73	52	—	
	Valencia ...	29.97	62	SE	3	om	29.88	-0.06	61	60	+1	SE	5	o	5	65	57	0.15	
FRANCE & NETHERLANDS.	Roche's Point...	29.99	64	SW	4	b	29.94	0.0	61	58	0	SW	3	b	3	66	53	—	
	Pembroke ...	30.00	62	W	2	b	30.01	+0.02	60	58	-2	WNW	2	b	2	67	56	—	
	Scilly ...	30.02	63	WNW	1	b	30.01	+0.04	64	62	0	SW	2	c	4	68	56	—	
	Prawle Point ...	30.02	64	ENE	3	b	30.01	-0.03	61	53	-3	WNW	2	c	1	67	56	—	
	Jersey ...	29.97	77	SE	1	cm	30.02	-0.04	62	60	-6	WNW	2	om	2	80	60	—	
	Hurst Castle ...	30.04	69	SE	3	cm	29.98	-0.13	68	67	0	ENE	1	cm	0	75	62	—	
	Dungeness ...	30.07	65	E	4	b	29.98	-0.16	68	63	+3	SE	2	b	2	70	60	—	
	London ...	30.07	71	SE	2	c	29.97	-0.16	69	64	+1	SE	1	o	*	80	58	—	
	Oxford ...	30.05	69	S	2	b	29.97	-0.16	64	61	-2	SE	1	cm	*	77	56	—	
	Cambridge ...	30.09	71	SE	2	b	29.99	-0.16	68	64	+2	SE	1	c	*	78	58	—	
PENIN- SULA.	Yarmouth ...	30.14	64	SE	2	b	30.03	-0.13	63	62	0	SE	4	b	3	65	53	—	
	Cuxhaven ...	30.16	60	NW	2	b	30.15	+0.05	61	59	+3	S	1	b	*	62	?	—	
	Berlin ...	30.13	67	W	3	b	30.17	+0.10	62	57	+4	WNW	3	b	*	72	53	—	
	Wiesbaden ...	*	*	*	*	*	30.13	-0.07	61	56	+2	SE	1	b	*	70	50	—	
	Munich ...	30.22	60	NE	1	b	30.21	-0.02	60	58	+1	NE	2	b	*	68	46	—	
	The Helder ...	30.16	62	ENE	1	b	30.09	-0.10	65	60	+4	ENE	1	b	1	66	57	—	
	Brussels ...	*	68	E	3	b	?	?	69	60	+5	S	2	b	2	77	63	—	
	Cape Gris Nez...	30.06	77	E	2	b	30.04	-0.12	67	62	+5	SE	2	m	*	82	59	—	
	Brest ...	?	65	N	4	b	?	?	60	59	-4	S	0	o	2	72	58	—	
	Lorient ...	30.01	68	W	2	b	30.04	+0.05	60	58	-5	NW	2	b	2	81	57	—	
Rochefort ...	30.04	70	S	4	b	30.12	+0.10	64	63	-4	W	2	o	2	86	53	—		
Belfort ...	30.10	65	SE	1	b	30.12	-0.03	59	52	+4	E	1	b	*	70	57	—		
Lyons ...	30.03	80	SE	1	b	30.11	-0.04	67	65	+4	SE	1	b	*	84	62	—		
Nice ...	30.12	67	SW	4	c	30.16	+0.04	68	66	+1	WNW	1	c	1	75	64	—		
Perpignan ...	30.08	72	NE	2	b	30.13	+0.03	69	67	+4	SW	2	o	*	76	61	—		
Biarritz ...	30.10	69	WNW	4	c	30.10	+0.08	68	64	-1	NW	2	c	1	75	64	—		
Corunna ...	*	*	*	*	*	30.09	+0.03	65	61	0	WNW	4	b	9	82	63	—		
Lisbon ...	30.04	69	NW	5	b	30.09	+0.03	65	61	0	WNW	4	b	9	82	63	—		

For Explanation of Columns, see p. 4.

‡ Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on

Thursday, 1st August,

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4.
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

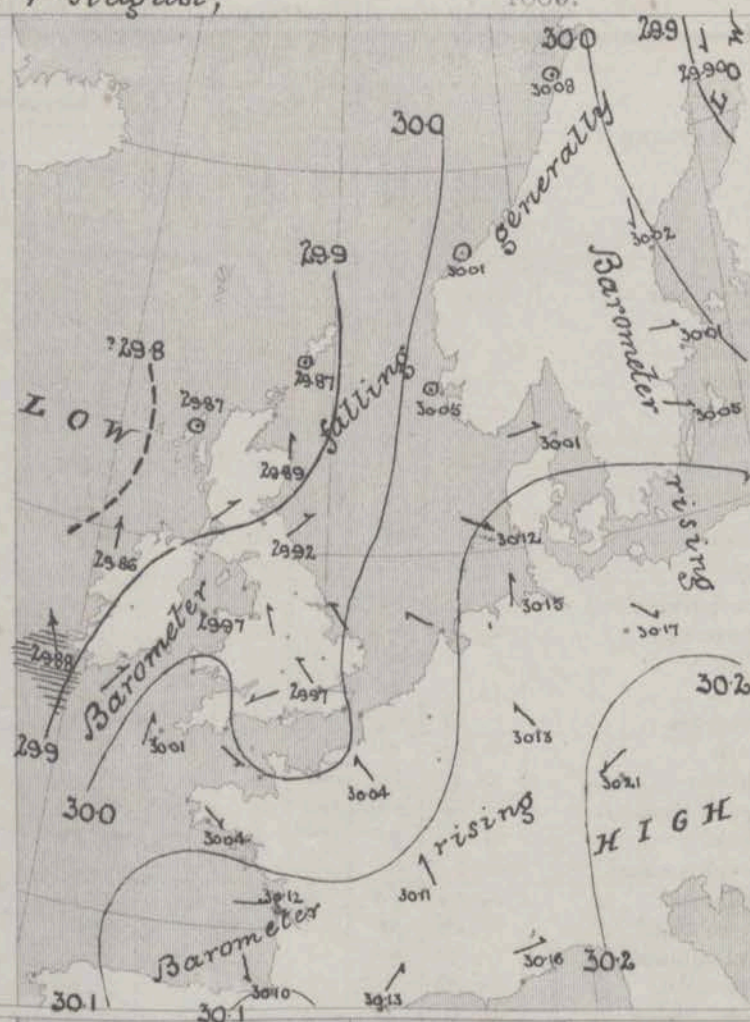
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

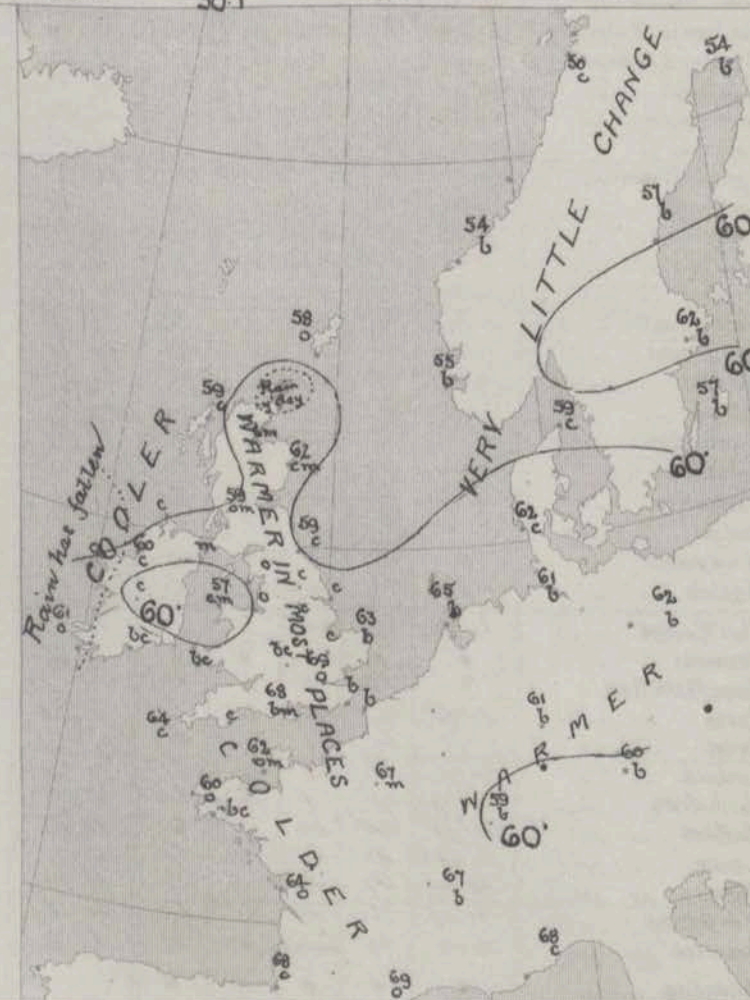
WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL. (For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway.....	58.5	49.0	55.2	53.3	3.57
Wick.....	61.1	48.5	55.2	53.2	2.35
Nairn.....	63.4	50.2	55.6	52.7	2.81
Aberdeen.....	63.1	50.2	56.7	53.6	3.13
Leith.....	65.8	51.4	57.6	54.6	2.62
Shields.....	63.5	52.3	57.5	54.9	2.81
York.....	68.1	51.4	58.0	55.3	2.47
Loughborough.....	70.5	52.1	59.9	57.4	2.61
Ardrossan.....	64.0	53.1	57.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	55.4	2.99
Holyhead.....	64.3	55.0	58.5	56.4	2.89
Liverpool.....	65.7	54.3	58.7	55.5	2.79
Parsonstown.....	66.2	51.7	57.6	55.7	3.48
Valencia.....	65.0	54.1	59.4	57.0	4.65
Roche's Point.....	66.8	53.9	59.0	56.4	3.59
Pembroke.....	63.7	55.8	58.9	56.6	2.91
Scilly.....	64.9	57.2	61.1	59.0	2.45
Jersey.....	69.0	57.4	63.1	60.0	2.26
Hurst Castle.....	68.1	56.1	61.2	59.1	2.31
Dover.....	67.1	57.2	62.6	59.0	2.06
LONDON.....	71.8	53.7	61.4	57.8	2.20
Oxford.....	69.2	53.4	59.2	56.4	2.33
Cambridge.....	71.3	52.1	60.2	57.3	2.25
Yarmouth.....	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1865-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. to 30.1 ins. over Spain, France, North Germany, Denmark & Scandinavia, 30.2 ins. and more, over S. Germany.
Lowest About 29.8 ins. off our extreme northwestern coasts - and about 29.95 ins. in a shallow depression over the E. of the English Channel.
Gradients slight and irregular. Barometer rising over Sweden, the Baltic and North Germany, falling over the greater part of our Islands.

TEMPERATURE

Highest 69° at Leith in London, and at Perpignan, 68° at Nice, Biarritz, Hurst Castle, Dungeness and Cambridge, 67° at Paris & Lowest 53° at Bodø, 54° at Christiansund, 53° at Skudesnæs, 57° at Holyhead, 58° at Parsonstown, 59° at the Scour.
Stormy and Malin Head.
Rose to 81° at Kairi, and to 80° at York, Jersey and in London yesterday, but subsequently fell briskly. It is now rising fast over England.

WIND

Very light and variable at the Continental stations.
Light SE^{ly} over the greater part of England, moderate to fresh from between SW & SE on our western coasts.
Very variable in Scotland. At Dungeness it is SSE^{ly}, at Hurst Castle ENE^{ly}, and at Prawle SE & Jersey NW^{ly}.

WEATHER

Fine and bright over the greater part of the Continent; fair as a whole in our Islands, but dull in the west, and not settled.
In London the sky is covered with a thin sheet of cirrus-haze, and a distinct halo prevails.
Rain fell in the extreme west, and at Wick yesterday.

SEA

Rather rough in the extreme west, moderate at Lully and also at Spurn Head, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure and the changes in progress are of a rather unsettled type; thunder showers are probable shortly.

FORECASTS

For the 24 hours ending at NOON on 2nd AUGUST 1889.

DISTRICTS.

FORECASTS.

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

SE^{ly} breezes, light; warm and close at first, unsettled later.

SE^{ly} airs, very warm, close; wind then shifting to SW or W, unsettled, probably thunder.

DISTRICTS.

FORECASTS

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

SE^{ly} winds, freshening; changeable, some rain.

SE^{ly} to SW^{ly} winds fresh; changeable, rain at times, thunder locally

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.09	60	54	NW 4	C	4	Holyhead ...	30.00	70	64	WSW 3	C	2
Sumburgh Head ...	30.07	57	55	SSW 3	C	2	Valencia ...	29.97	64	61	SSW 3	CM	4
Stornoway ...	29.89	67	65	SW 1	OM	2	Scilly ...	30.00	65	63	WNW 1	O	2
Aberdeen ...	30.06	59	57	SSW 2	O	2	Jersey ...	30.02	77	68	SSW 2	CM	2
Shields ...	30.02	70	63	ENE 3	CC	3	Dungeness ...	30.13	68	62	ENE 4	C	2
Ardrossan ...	29.97	66	63	SSW 1	C	1	London ...	30.11	76	65	SE 3	C	*
Malin Head ...	29.90	67	62	S 3	O	0	Yarmouth ...	30.16	65	62	SSW 3	C	2
Mullaghmore ...	29.91	66	62	W 5	OV	2	Rochefort ...	30.02	81	73	S 4	C	2
Belmullet ...	29.92	65	59	SSW 2	C	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure was highest, 30.2 ins. and upwards, over Western Germany but high, in a large area which extended northwards from the Mediterranean across France, Germany, the Netherlands and the North Sea to the west of Norway. The lowest readings, 29.5 ins. and less, were found in a depression lying over the Baltic Provinces, but another depression with readings below 29.9 ins. was lying to the west of our Islands. The wind was light or moderate from the S and (SE to SW) over our Islands and the West of France, but moderate from NW or N on the eastern shores of the North Sea, and strong from the same quarter over Finland, Sweden and North Germany, with gales at Stockholm and Breslau. Over Central and South Russia light W^{ly} breezes were reported, while over Southern Europe and the Mediterranean the wind was very variable. The weather was fine generally, but dull in the west of Ireland, as well as at some of the Russian stations, with rain at Kuopio and Moscow. Temperature had risen over the greater part of our Islands and France, and fallen over Sweden and the greater part of Russia, but elsewhere the changes were very irregular, readings ranged from 70° and upwards, at the Mediterranean stations to 55° and less, over Lapland and the west of Norway. The highest individual readings were 75° at Barcelona, 74° at Agde, 76° at Algiers, 78° at Constantinople, Brindisi and La Galle, and 79° at Cagliari, Palermo and Oran; the lowest were 50° at Bodo, 52° at Uleaborg, 54° at Naparanda, Christiansund, Skudesnaes, Whisly and Breslau, 56° at Faerder, and 57° at Hornösand, Aberdeen, Prague, Vienna, Warsaw and Lemberg.

In the course of the day the depression to the westward of our Islands travelled northwards along the west coast of Scotland, but a shallow secondary disturbance began to form over France. A further rise of temperature took place over Great Britain, the highest daily maxima being 81° at Nairn, and 80° at York and in London.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for FRIDAY 2ND AUGUST 1889.

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

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	SHADE TEMP.		Difference from 8 a.m. yesterday.	WIND.		Weather.	Sec. (0 to 2).	Max.	Min.	Amount of Rainfall.		
			Dir.	Force (0 to 12.)				Dry.	Wet.		Dir.	Force (0 to 12.)							
SCANDINAVIA.	Haparanda ..	29.90	50	N	2	29.93	+0.03	54	48	0	S	0	C	*	61	41	—		
	Hernösand ...	29.97	56	S	2	29.93	-0.09	60	54	+3	SW	6	C	*	66	48	—		
	Stockholm ...	30.00	59	SE	2	29.97	-0.04	69	62	+7	S	0	C	*	72	52	—		
	Wisby ...	30.02	58	SE	2	30.00	-0.05	61	58	+4	W	2	C	*	66	50	—		
	Bodö ...	30.00	49	N	2	29.85	-1.23	58	50	+8	ENE	2	C	1	?	45	—		
	Christiansund...	29.93	60	NNE	2	29.73	-1.28	61	57	+7	E	2	O	1	63	52	—		
	Skudesnaes ...	29.96	59	SE	2	29.80	-1.25	57	55	+2	SE	4	O	3	63	54	—		
	Christiania Fjord (Fjorder)	29.97	63	SE	3	29.87	-1.14	62	58	+1	S	3	C	2	64	59	—		
	Skagen (The Scaw)	29.98	60	W	1	29.88	-1.13	66	63	+7	S	2	C	1	70	50	—		
	Fand ...	30.00	59	SE	2	29.81	-1.20	62	58	0	SE	4	C	*	66	57	—		
BRITISH ISLANDS.	Sumburgh Head	29.74	57	S	0	29.66	-1.21	53	53	-3	S	0	F	1	62	53	0.09		
	Stornoway ...	29.73	64	SW	3	29.62	-1.22	53	53	-4	SW	4	F	4	64	54	0.03		
	Wick ...	29.80	63	NW	1	29.66	-1.18	61	59	-3	NW	1	C	1	68	50	—		
	Nairn ...	29.75	68	W	1	29.66	-1.16	62	57	-3	SW	1	BC	1	73	52	—		
	Aberdeen...	29.80	64	SW	2	29.70	-1.19	64	58	+2	SW	2	C	1	70	53	—		
	Leith ...	29.81	63	SW	1	29.74	-1.14	63	57	-6	WNW	3	BC	*	75	56	—		
	Shields ...	29.83	70	SW	3	29.76	-1.16	60	56	+1	WNW	3	BC	2	71	56	—		
	Spurn Head ...	29.82	64	SE	2	29.85	-1.12	64	60	+2	SW	4	BC	3	65	58	—		
	York ...	29.87	67	W	2	29.84	-1.14	63	58	+2	W	3	C	*	74	56	—		
	Loughborough	29.88	69	W	1	29.91	-1.07	64	59	-1	WNW	3	C	*	79	56	—		
GERMANY.	Ardrossan ...	29.81	62	SW	1	29.74	-1.16	60	58	+1	SW	3	C	2	65	57	—		
	Malin Head ...	29.75	59	S	2	29.69	-1.18	56	53	-3	S	3	ogf	2	65	55	0.39		
	Mullaghmore ...	29.75	64	WNW	5	29.73	-1.13	58	57	-2	SW	2	of	2	67	56	0.10		
	Belmullet ...	29.74	62	SW	4	29.75	-1.07	56	53	-4	WNW	2	O	*	64	56	0.24		
	Donaghadee ...	29.83	60	SW	3	29.77	-1.17	60	58	-1	WNW	3	C	1	68	56	0.01		
	Barrow-in-Furness	29.88	61	SW	2	29.81	-1.13	59	57	-2	SE	3	BC	*	63	58	—		
	Liverpool (Bidston)	29.90	63	WNW	1	29.86	-1.11	64	59	0	WNW	3	BC	3	69	56	0.03		
	Holyhead ...	29.89	60	SW	3	29.84	-1.13	59	58	+2	SW	4	og	3	64	53	—		
	Parsonstown ...	29.80	67	SW	1	29.81	-1.11	61	52	+3	SW	2	C	*	69	54	0.06		
	Valencia ...	29.83	63	SW	6	29.83	-1.05	60	57	-1	SW	2	O	3	66	56	0.10		
FRANCE & NETHERLANDS.	Roche's Point...	29.87	63	SW	3	29.86	-1.08	60	57	-1	SW	3	C	3	66	57	—		
	Pembroke ...	29.93	60	SW	4	29.90	-1.11	59	57	-1	SW	5	Cg	4	63	58	—		
	Scilly ...	29.96	62	SW	5	29.95	-1.06	62	62	0	SW	5	C	5	68	59	0.01		
	Prawle Point ...	29.99	59	WNW	2	30.01	0.00	60	59	-1	SW	3	C	2	65	56	0.33		
	Jersey ...	30.03	64	W	3	30.07	+0.05	63	60	+1	WNW	4	BC	3	66	59	—		
	Hurst Castle ...	29.95	66	W	3	30.00	+0.02	64	63	-4	WNW	4	BC	1	75	60	—		
	Dungeness ...	29.92	64	WNW	2	29.97	-1.01	64	61	-4	WNW	4	BC	2	73	53	—		
	London ...	29.87	74	W	1	29.96	-1.01	64	59	-5	SW	2	C	*	85	56	—		
	Oxford ...	29.93	62	SW	4	29.96	-1.01	62	58	-2	W	3	C	*	77	56	—		
	Cambridge ...	29.86	63	SW	1	29.93	-1.06	63	60	-5	SW	2	BC	*	83	53	0.21		
PENINSULA.	Yarmouth ...	29.89	66	SE	3	29.90	-1.13	65	63	+2	W	3	C	2	67	57	—		
	Cuxhaven ...	30.04	63	NW	1	29.85	-1.30	64	60	+3	SE	2	C	*	67	?	—		
	Berlin ...	30.12	70	S	0	29.98	-1.19	67	59	+5	SE	4	C	*	70	59	0.08		
	Wiesbaden ...	*	*	*	*	29.99	-1.14	65	62	+4	SE	1	C	*	79	59	—		
	Munich ...	30.13	65	E	2	30.05	-1.16	69	64	+9	SE	3	C	*	75	58	—		
	The Helder ...	29.92	69	SE	1	29.82	-1.27	63	61	-2	WNW	3	BC	5	75	63	0.39		
	Brussels ...	*	*	*	*	29.97	-1.10	62	60	-5	WNW	1	O	*	83	61	—		
	Cape Gris Nez...	?	64	W	3	?	?	62	59	-7	WNW	4	C	2	81	59	—		
	Paris ...	29.95	80	SW	1	30.08	+1.04	63	59	-4	WNW	2	C	*	82	59	—		
	Brest ...	?	63	WNW	3	?	?	61	59	+1	W	3	O	4	68	53	0.08		

WEATHER CHARTS

for 8 a.m. on

Friday, 2 August,

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;

→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

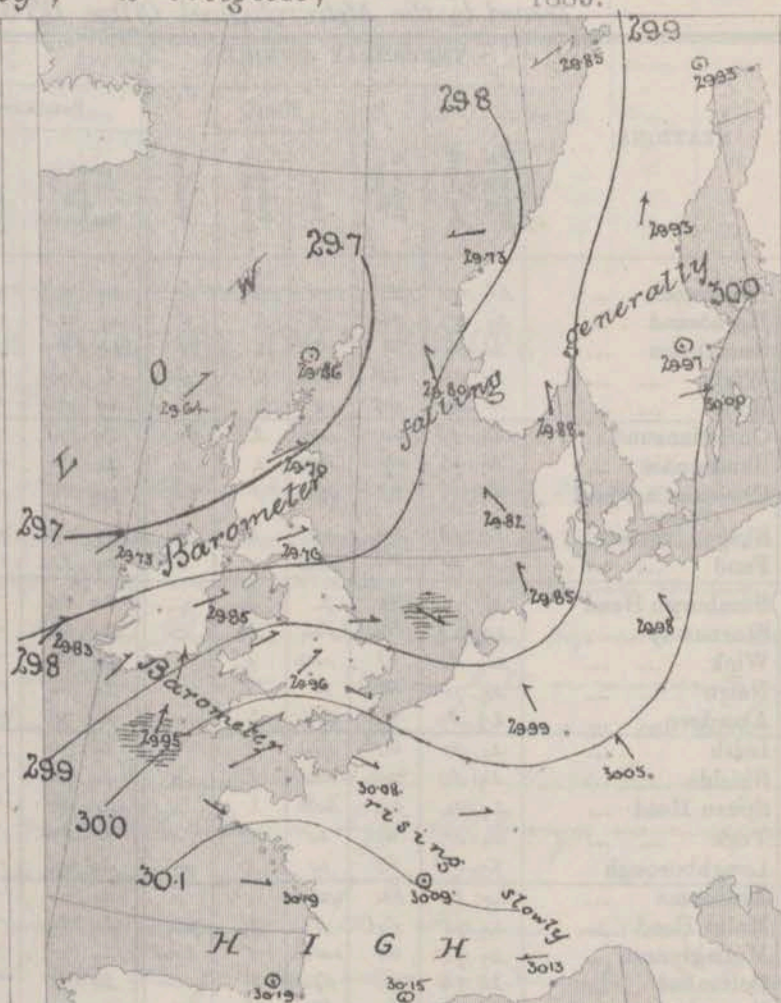
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

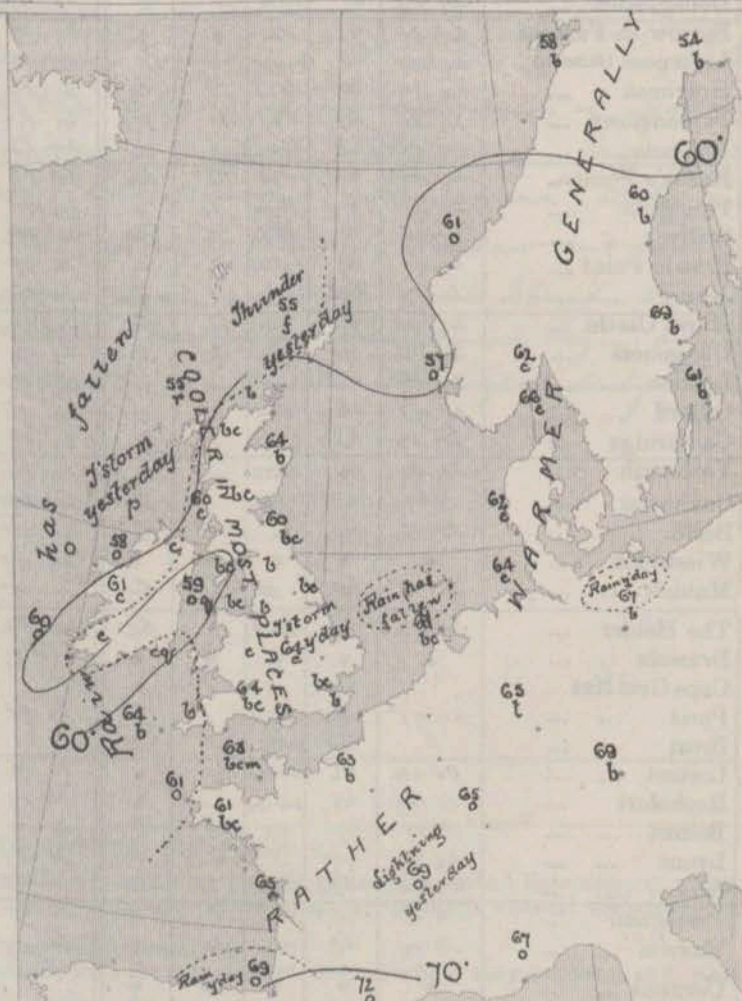
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick.....	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith.....	65.8	51.4	67.6	54.6	2.02
Shields	63.5	52.3	67.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke.....	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	58.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.08
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.0 in. to 30.2 in. over France and the Spanish Peninsula, 30.0 in. and more, over Poland & the Baltic Provinces. Lowest 29.7 in. and less in a large shallow depression lying off our northwestern coast, spreading partially over Scotland. Gradients slight to moderate. Barometer rising a little in France and Spain, inclined to rise in our Islands, after falling generally.
TEMPERATURE	Highest 72° at Perpignan, 69° at Biarritz and Munich, 68° at Lyons, 67° at Nice, and above 60° over our Islands, except in the NW stations. Lowest 56° at Haparanda, 55° at Lumburg, 44° and 40° at Hornøya, 56° at Malin Head & Belmullet, 58° at Mullaghmore & Bodø. It rose to 85° in London, 83° at Cambridge, 81° at Cape Eric Hey, and 79° at Loughborough yesterday; at Paris the maximum was 82°.
WIND	SW ⁴ , moderate, over the British Islands — W ⁴ , variable, and very light, over France. S ⁴ and SE ⁴ to the eastward of the North Sea — N ⁴ at Lisbon.
WEATHER	Fine over France, England, and the East of Scotland. Dull on our west and northwestern coasts, with rain in places. Rain fell at most of our W ^W and NW ^W stations yesterday, and in the NW of London. Thunderstorms occurred at Malin Head & Cambridge.
SEA	Rather rough at Scilly, moderate in the Channel, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Some passing showers are likely to fall in many places today, separated by fine bright intervals.

FORECASTS

For the 24 hours ending at NOON on 3rd AUGUST 1889.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS
0 { SCOTLAND NORTH	SW ⁴ breezes, moderate or light, some showers.	6 { SCOTLAND WEST	SW ⁴ breezes, moderate or fresh; some showers, but fair generally.
1 { SCOTLAND EAST		7 { ENGLAND N.W.	
2 { ENGLAND N.E.		8 { ENGLAND S.W.	
3 { ENGLAND EAST		9 { IRELAND NORTH	
4 { MIDLAND COUNTIES	SW ⁴ breezes, fresh to light; a local shower or two, with bright intervals.	0 { 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.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	30.02	63	54	SEW 2	c	3	Holyhead ...	29.94	60	58	SEW 3	cmg	3
Sumburgh Head ...	29.78	61	60	SE 3	o	3	Valencia ...	29.86	66	63	SEW 5	bc m	5
Stornoway ...	29.78	62	60	SE 3	bc	3	Scilly ...	29.98	64	62	SEW 4	o	4
Aberdeen ...	29.82	68	62	S 3	bc m	3	Jersey ...	30.03	65	61	WNW 3	c	3
Shields ...	29.85	68	63	ESE 2	o	2	Dungeness ...	29.93	70	65	SW 3	bc	1
Ardrossan ...	29.85	63	60	SW 1	c	1	London ...	29.90	83	73	SEW 3	c	*
Malin Head ...	29.78	63	61	S 4	o	2	Yarmouth ...	29.94	65	64	SE 4	c	3
Mullaghmore ...	29.77	66	60	SEW 5	c	4	Rocheport ...	30.10	73	67	WNW 4	c	2
Belmullet ...	29.77	64	60	SW 3	bc	*							

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

The reports for yesterday morning showed that pressure was highest, 30.2 ins. and upwards, over South Germany, and high, 30.1 ins. and upwards, in a large area extending from the south of Denmark and North Germany across Switzerland, Italy and the east and south of France to the Tunisian coasts. The lowest readings, 29.4 ins. and less, were found in a depression lying over the North of Russia, but a shallow disturbance with readings below 29.8 ins. was lying to the northwest of our Islands, while a small secondary system was reported over the eastern part of the Channel. The wind was S³ (SE to SW) over the greater part of Western Europe, but N² or N¹W² over Finland, Sweden, the Baltic, western Russia and Eastern Germany, and W³ or S¹W² over Central Russia. At the Mediterranean stations light variable breezes were reported. The weather was fine in nearly all parts of the Continent, but dull at some of the French and Russian stations, as well as in the extreme west of our Islands. Temperature had fallen a little at several of our own western stations, and also in the west of Russia, but risen a little in most other localities; readings ranged from 75° and upwards, at several of the Mediterranean stations to 55° or less, over Lapland, Finland and the west of Norway. The highest individual readings were 81° at Barcelona, 79° at Annale, 78° at Algiers, 77° at Brindisi and Cagliari, 76° at Trieste, 75° at Madrid and Malta, and 74° at Constantinople, Lescia, Palermo and Oran; the lowest were 50° at Bodo, 52° at Uleaborg, 53° at St. Petersburg, 54° at Haparanda and Christiansund, and 55° at Skudenes, Hango, Warsaw, Lemberg and Prague.

In the course of the day the small secondary disturbance over the eastern part of the Channel travelled northward, and occasioned thunderstorms in some parts of our eastern countries. Thunder also occurred at Sumburgh Head and Malin Head. The thermometer rose to a very high level over England, the highest readings of all being 85° in London, and 83° at Cambridge.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for SATURDAY 3rd AUGUST 1889.
 Issued by the Meteorological Office, 63 Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 2.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.78	52	SE	2	0	29.61	-0.22	57	56	+3	S	2	0	*	61	39	—	
	Hernösand ...	29.76	60	S	4	0	29.64	-0.29	61	58	+1	SEW	4	0	*	66	46	—	
	Stockholm ...	29.87	62	S	2	0	29.75	-0.22	64	59	-5	SEW	2	0	*	79	54	—	
	Wisby ...	29.72	58	S	2	C	29.81	-0.19	61	60	0	SEW	4	0	*	70	54	0.42	
	Bodö ...	29.70	57	SE	1	0	29.57	-0.34	54	51	-4	S	0	0	1	50	50	0.08	
	Christiansund...	29.64	58	SE	2	R	29.58	-0.15	57	56	-4	WSE	3	0	2	61	52	0.24	
	Skudesnaes ...	29.67	56	SW	6	R	29.73	-0.07	57	56	0	SEW	4	0	3	?	54	0.28	
	Christiania Fjord (Fjord)	29.75	63	SE	5	R	29.74	-0.15	61	58	-1	WSE	6	0	4	66	61	—	
	Skagen (The Scaw)	30.01	59	W	2	C	29.80	-0.08	59	57	-7	WSE	3	0	2	68	53	0.04	
	Fanö ...	29.89	60	W	4	C	29.88	+0.06	64	63	+2	WSE	4	0	*	70	59	—	
BRITISH ISLANDS.	Sumburgh Head	29.63	54	S	0	C	29.61	-0.05	56	56	+1	S	0	0	0	62	50	—	
	Stornoway ..	29.62	59	W	3	C	29.57	-0.05	56	56	+1	SE	2	0	3	63	50	0.10	
	Wick ...	29.67	59	NW	1	C	29.60	-0.06	57	56	-4	SE	1	0	1	69	52	0.40	
	Nairn ...	29.64	67	W	3	C	29.58	-0.08	57	53	-5	S	0	0	1	70	54	0.08	
	Aberdeen...	29.67	67	SW	2	C	29.62	-0.08	58	56	-6	SW	2	0	2	72	57	0.07	
	Leith ...	29.73	60	W	2	C	29.58	-0.16	57	56	-6	SE	2	0	2	70	56	0.10	
	Shields ...	29.77	68	SW	4	C	29.62	-0.14	57	56	-3	SE	3	0	2	70	55	0.20	
	Spurn Head ...	29.87	68	SW	4	C	29.71	-0.14	61	60	-3	SEW	6	0	4	72	58	0.05	
	York ...	29.86	66	SW	4	C	29.66	-0.18	59	58	-4	SEW	2	0	*	72	56	0.30	
	Loughborough	29.92	67	SW	3	0	29.74	-0.17	61	60	-3	S	3	0	*	71	57	0.18	
GERMANY.	Ardrossan ...	29.73	59	SW	3	0	29.53	-0.21	57	56	-3	NW	3	0	2	61	53	0.25	
	Malin Head ...	29.71	59	W	2	0	29.54	-0.15	56	56	0	SE	2	0	0	62	53	0.18	
	Mullaghmore ...	29.72	59	SW	2	0	29.56	-0.17	58	57	0	NW	2	0	2	64	55	0.48	
	Belmullet ...	29.78	58	S	5	R	29.61	-0.14	58	56	+2	NW	3	0	*	62	53	0.46	
	Donaghadee ...	29.74	61	SW	3	C	29.53	-0.24	61	60	+1	SW	3	0	1	67	57	1.08	
	Barrow-in-Furness	29.80	62	SW	5	C	29.58	-0.23	60	60	+1	SW	5	0	*	64	54	0.42	
	Liverpool (Bidston)	29.86	63	SW	3	0	29.65	-0.21	63	61	-1	SW	3	0	3	68	56	0.39	
	Holyhead ...	29.83	59	SW	5	0	29.62	-0.22	59	57	0	SW	6	0	5	64	56	0.60	
	Parsonstown ...	29.76	61	S	0	0	29.59	-0.22	61	59	0	SW	2	0	*	67	53	0.16	
	Valencia ...	29.66	59	SE	6	R	29.64	-0.19	60	59	0	W	3	0	4	62	56	0.74	
FRANCE & NETHERLANDS.	Roche's Point...	29.78	59	SW	4	C	29.66	-0.20	60	58	0	WSE	5	0	4	63	56	0.50	
	Pembroke ...	29.92	59	SW	5	C	29.73	-0.17	59	57	0	SW	7	0	6	63	57	0.58	
	Scilly ...	29.97	62	SW	4	0	29.84	-0.11	61	61	-3	SW	5	0	5	67	60	0.40	
	Prawle Point ...	29.97	60	SW	4	0	29.87	-0.14	60	60	0	SW	6	0	5	63	58	0.23	
	Jersey ...	30.10	65	SW	3	C	30.02	-0.05	65	61	+2	SW	5	0	4	72	62	—	
	Hurst Castle ...	30.03	63	SW	6	C	29.90	-0.10	61	61	-3	SW	8	0	5	69	60	0.18	
	Dungeness ...	30.03	64	WSE	5	C	29.92	-0.04	63	60	-1	SW	6	0	5	71	60	0.01	
	London ...	30.01	66	SW	3	C	29.88	-0.08	62	60	-2	SW	4	0	*	76	60	0.06	
	Oxford ...	29.98	60	SW	3	0	29.82	-0.14	61	60	-1	SW	5	0	*	71	58	0.09	
	Cambridge ...	29.95	68	SW	3	C	29.82	-0.11	62	60	-1	S	4	0	*	75	57	0.06	
PENINSULA.	Yarmouth ...	29.93	72	WSE	2	C	29.84	-0.06	62	61	-3	SW	5	0	4	73	57	0.06	
	Cuxhaven ...	29.96	62	WSE	3	C	29.99	+0.14	62	60	-2	SW	3	0	*	69	60	0.16	
	Berlin ...	29.95	68	?	3	0	30.07	+0.09	64	58	-3	W	3	0	*	84	57	0.24	
	Wiesbaden ...	*	*	*	*	*	30.16	+0.17	63	60	-2	NW	1	0	*	75	57	0.39	
	Munich ...	30.19	63	SW	2	0	30.25	+0.20	65	61	-4	W	3	0	*	82	53	0.16	
	The Helder ...	29.99	64	SW	2	C	29.94	+0.12	63	60	0	SW	3	0	*	74	61	—	
	Brussels ...	*	*	*	*	*	30.04	+0.07	65	61	+3	SW	3	0	*	74	61	—	
	Cape Gris Nez...	*	62	SW	4	C	?	?	63	60	+1	SW	5	0	5	66	59	—	
	Paris ...	30.12	72	WSE	1	C	30.15	+0.07	63	59	0	SW	2	0	*	80	55	—	
	Brest ...	?	64	SW	5	C	?	?	63	61	+2	SW	6	0	6	68	53	—	
PENINSULA.	Lorient ...	30.15	67	WSE	2	C	30.09	-0.01	63	61	+2	WSE	4	0	4	70	?	—	
	Rochefort ...	30.24	71	W	2	C	30.22	+0.03	66	64	+1	SW	2	0	2	75	59	—	
	Belfort ...	30.10	67	W	1	C	30.18	+0.11	61	50	-4	NW	1	0	*	71	52	0.63	
	Lyons ...	30.16	70	NW	1	C	30.19	+0.10	65	60	-3	NW	1	0	*	77	58	0.20	
	Nice ...	30.06	71	SW	5	C	30.08	-0.05	70	66	+3	SE	1	0	*	78	61	—	
	Perpignan ...	30.12	76	NW	2	C	30.17	+0.02	71	64	-1	NW	2	0	*	83	60	—	
	Biarritz ...	30.22	72	NW	3	C	30.19	0.0	67	63	-2	SE	2	0	1	77	63	—	
	Corunna ...	*	*	*	*	*	30.17	-0.04	65	61	0	N	5	0	5	77	61	—	
	Lisbon ...	30.20	67	NW	4	C	30.17	-0.04	65	61	0	N	5	0	5	77	61	—	

For Explanation of Columns, see p. 4.

Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on

Saturday, 3rd August,

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4.
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

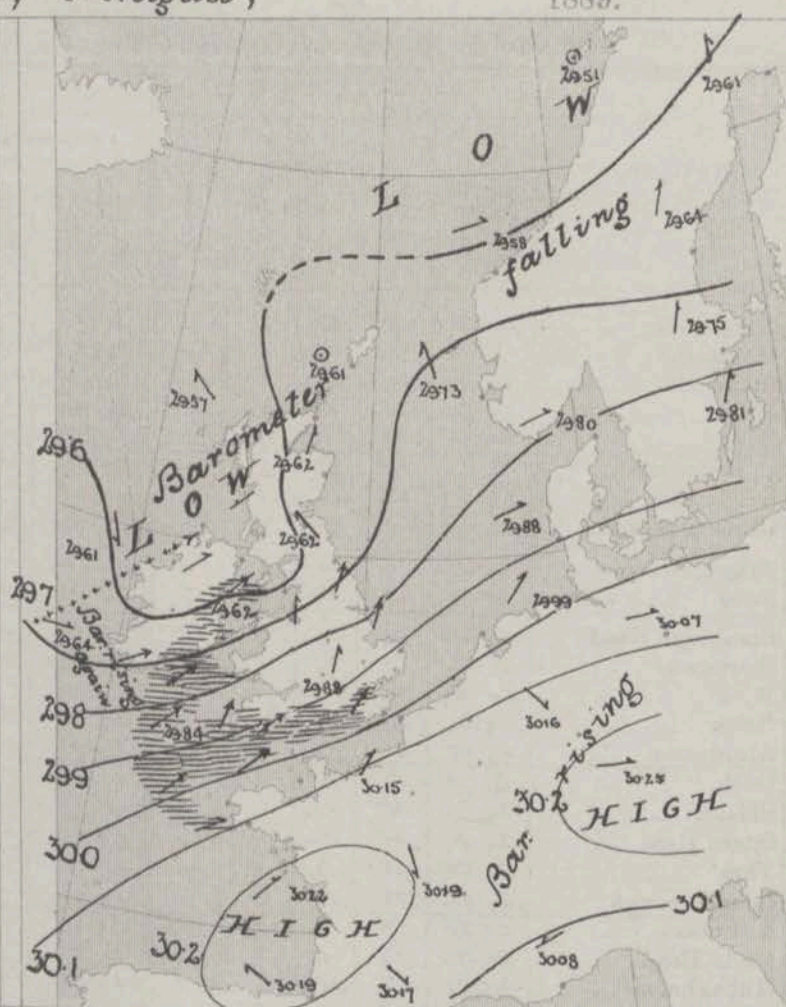
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Sornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Androsan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.978
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

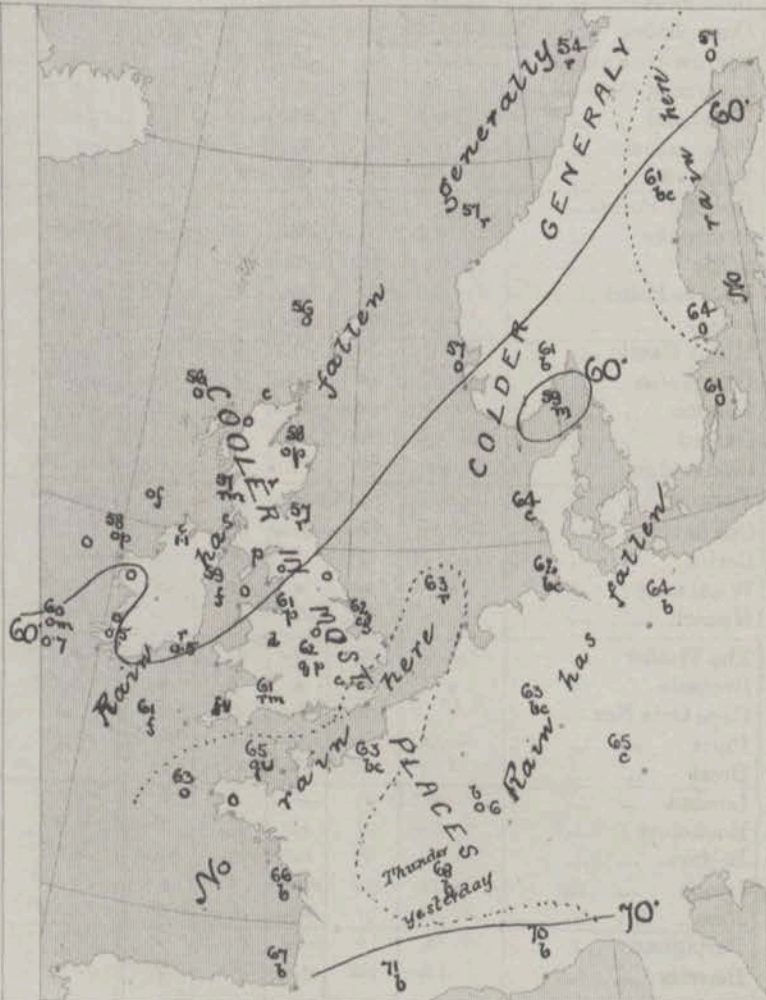
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.0	48.5	53.8	52.0	3.21
Sornoway.....	58.5	49.0	55.2	53.3	3.57
Wick.....	61.1	48.5	55.2	53.2	2.35
Nairn.....	63.4	50.2	55.0	52.7	2.81
Aberdeen.....	63.1	50.2	56.7	53.6	3.13
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Loughborough.....	70.5	52.1	59.9	57.4	2.61
Androsan.....	64.0	53.1	57.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	55.5	2.99
Holyhead.....	64.3	55.0	58.5	56.4	2.89
Liverpool.....	65.7	54.3	58.7	55.5	2.79
Parsonstown.....	66.2	61.7	57.6	55.7	3.48
Valencia.....	65.0	54.1	59.4	57.0	4.65
Roche's Point.....	66.6	53.9	59.0	56.4	3.59
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Hurst Castle.....	68.1	56.1	61.2	59.1	2.31
Dover.....	67.1	57.2	62.6	59.0	2.06
LONDON.....	71.8	53.7	61.4	57.8	2.20
Oxford.....	69.2	53.4	59.2	56.4	2.33
Cambridge.....	71.3	52.1	60.2	57.3	2.25
Yarmouth.....	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1865-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.00 ins to 30.20 ins. and more, over Spain, France, and Germany.
Lowest about 29.5 ins. in two depressions - one lying to the N.W. of Bodo, the other over the N. & N.W. of our Islands.
Gradients rather steep for S.W. winds over both channels, England, and the north of France.
Barometer, after falling decidedly in our Islands, inclined to rise at Valencia.

TEMPERATURE

Highest 71° at Perpignan, 68° at Nice, 67° at Biarritz, 66° at Rochefort, 65° at Munich, 64° at Stockholm, 63° at Paris, 62° in London.
Lowest 56° at Bodo, 56° at Lumburg Heath, Hornoway and Malin Head, 57° at Naism, Leith, Shields & Ardrossan.
It has fallen somewhat irregularly since yesterday morning, most in the North.

WIND

Strong and squally from the S.W. over England, and the two channels, and blows a gale at Hurst Castle and Pembroke.
Light N.W. in the north of Ireland, - light and very variable over Scotland.

WEATHER

Overcast and unsettled generally, with fog in the southwest, and rain in many places.
The rainfall during the past 24 hours has been heavy at several of the Irish stations.
Thunderstorms have occurred over Central France.

SEA

Rather rough in the west and south, moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The strong winds now prevailing in the south will probably subside during the latter part of the day, but unsettled weather is still probable. Our West and South coasts were warned last evening.

FORECASTS

For the 24 hours ending at NOON on 4th AUGUST

1889.

DISTRICTS.

FORECASTS.

0 SCOTLAND NORTH

1 SCOTLAND EAST

2 ENGLAND N.E.

3 ENGLAND EAST

4 MIDLAND COUNTIES

5 ENGLAND SOUTH

Varying winds, moderate; cloudy, rain at times.

SW winds, fresh or strong; squally, changeable, showery.

SW winds, strong; squally, a gale at times, rainy, unsettled.

DISTRICTS.

FORECASTS

6 SCOTLAND WEST

7 ENGLAND N.W.

8 ENGLAND S.W.

9 IRELAND NORTH

10 IRELAND SOUTH

Same as N^o 0 and 1.

SW to W winds, strong and squally to moderate; showery.

W winds, moderating; changeable, some rain, colder.

WARNINGS

The SOUTH CONE was hoisted last evening in districts 5 and 7 to 10.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudeamoe ...	29.71	62	55	WNW 2	0	3	Holyhead ...	29.86	62	59	SWW 4	CC	3
Sumburgh Head ...	29.68	58	58	L 0	0	1	Valencia ...	29.81	59	58	S 5	7	5
Stornoway ...	29.62	60	60	SW 4	c	4	Scilly ...	29.79	62	60	SWW 4	0	4
Aberdeen ...	29.67	71	59	SW 3	c	2	Jersey ...	30.11	71	63	SWW 3	W	3
Shields ...	29.78	66	59	SW 3	c	2	Dungeness ...	30.02	67	62	WNW 6	CC	5
Ardrossan ...	29.75	60	59	SWW 3	0	2	London ...	30.00	74	63	WNW 3	CCV	*
Malin Head ...	29.73	58	58	W 3	0	2	Yarmouth ...	29.93	72	64	W 3	6	2
Mullaghmore ...	29.76	60	57	WNW 2	c	2	Rocheport ...	30.23	74	68	NW 3	6	2
Belmullet ...	29.77	61	56	WNW 2	0	*							

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

The reports for yesterday morning showed that pressure was highest, 30.2 ins. and upwards, over the western and northern parts of the Iberian Peninsula, but high, 30.1 ins. and upwards, over nearly the whole of southern Europe. The lowest reading, 29.6 ins. and less, were found in a depression lying over the North of Russia, but a large shallow area with readings below 29.7 ins. was reported over Scotland and the neighbouring portions of the Atlantic. The wind was moderate from the SW in our Islands, and from the SE in the eastern shores of the North Sea. In the west and south of Russia, however, it was NW or NNW, while over the Mediterranean and southern Europe it was light and variable. The weather was fair or fine in most localities, but rain was falling over central Russia, and passing showers in the extreme northwest of our Islands. Fog was reported at Sumburgh Head. Temperature had fallen a little in our Islands, and to a greater extent in Russia but risen in most other countries; readings ranged from 80° and upwards, at some of the Algerian stations and 75° and upwards, over the Mediterranean to 50° or less, in the North of Russia. The highest individual readings were 83° at Algiers, 81° at Annab, 79° at Brindisi and Spas, 77° at Trieste, Cagliari and La Cella, and 75° at Constantinople, Palermo, Sanguinaire and Oran, the lowest were 45° at Archangel, 50° at Kuopio, 52° at Moscow, 54° at Haparanda, St Petersburg and Kiev, and 55° at Sumburgh Head, Stornoway and Hermannstadt.

In the course of the day the barometer fell quickly in the west of our Islands, and the wind backed to the S or SE in Ireland, with heavy rain. The weather over England remained generally fair, but temperature was considerably lower than on the previous day.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *SUNDAY 4TH AUGUST 1889.*
Issued by the Meteorological Office, 63 Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)		SHADE TEMP.		
			Dir.	Force. (0 to 12.)			Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)				Max.	Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ..	29.52	58	N	4	c	29.48	-.13	57	56	0	2	0	c	*		63	50	0.04
	Hernösand ...	29.58	62	NW	1	bc	29.63	-.01	61	58	0	SW	2	c	*		75	58	—
	Stockholm ...	29.72	63	2	0	c	29.69	-.06	63	59	-1	S	2	c	*		73	59	—
	Wisby ...	29.81	60	SW	4	c	29.72	-.09	61	59	0	S	2	c	*		73	58	0.04
	Bodö ...	29.53	51	2	0	r	29.58	+.07	50	49	-4	SW	1	c	1		54	48	0.22
	Christiansund...	29.65	57	S	1	c	29.61	+.03	54	51	-3	NW	4	c	2		59	50	—
	Skudesnaes ...	29.64	57	SE	2	c	29.64	-.09	57	57	0	2	0	c	2		59	54	—
	Christiania Fjord (Færdø)	29.69	60	SW	6	c	29.57	-.17	60	58	-1	2	0	c	2		63	57	0.12
	Skagen (The Scaw)	30.08	60	SW	3	r	29.58	-.22	62	60	+.3	W	2	m	1		64	57	0.67
	Fanö ...	29.73	61	SW	6	c	29.71	-.17	62	61	-2	SW	6	c	*		66	57	0.24
BRITISH ISLANDS.	Sumburgh Head	29.57	56	NE	1	c	29.67	+.06	56	56	0	2	0	c	0		57	52	0.10
	Stornoway ...	29.63	61	NW	3	bc	29.74	+.17	55	58	-1	SW	2	r	3		64	52	0.02
	Wick ...	29.63	63	2	0	c	29.74	+.14	60	58	+.3	NW	2	bc	1		65	50	0.02
	Nairn ...	29.60	63	2	0	c	29.77	+.19	58	54	+.1	SW	1	c	1		70	53	0.02
	Aberdeen...	29.62	56	ENE	1	c	29.79	+.17	61	56	+.3	SW	1	c	2		63	54	0.03
	Leith ...	29.60	57	W	1	c	29.82	+.24	62	57	+.5	SW	1	bc	*		62	52	0.38
	Shields ...	29.58	69	SW	4	c	29.85	+.23	61	56	+.4	W	4	bc	2		71	53	0.03
	Spurn Head ...	29.68	69	SW	5	c	29.90	+.19	61	57	0	W	5	c	4		72	57	—
	York ...	29.68	66	W	3	c	29.92	+.26	62	57	+.3	W	3	c	*		72	54	0.01
	Loughborough	29.75	69	WSW	4	c	29.96	+.22	63	57	+.2	W	2	c	*		73	58	—
GERMANY.	Ardrossan ...	29.63	60	NW	4	c	29.84	+.31	58	56	+.1	SW	2	c	2		62	55	0.03
	Malin Head ...	29.71	56	WNW	3	op	29.82	+.28	57	58	+.1	SW	2	bc	2		59	54	0.11
	Mallaghmore ...	29.78	57	WNW	5	c	29.86	+.20	57	58	-1	SW	4	c	2		64	51	0.03
	Belmullet ...	29.81	57	WNW	3	c	29.86	+.25	58	56	0	SW	3	c	*		60	55	0.06
	Donaghadee ...	29.69	59	N	3	bc	29.89	+.26	59	57	-2	W	3	c	1		63	55	0.18
	Barrow-in-Furness	29.65	60	SW	5	r	29.90	+.22	58	56	-2	SW	2	bc	*		63	55	0.05
	Liverpool (Bidston)	29.71	62	SW	4	c	29.94	+.29	58	53	-5	W	3	bc	3		68	58	0.01
	Holyhead ...	29.73	61	WSW	4	og	29.94	+.22	58	58	-1	WSW	3	cw	3		63	52	—
	Parsonstown ...	29.80	62	NW	2	bc	29.92	+.23	57	58	-4	SW	1	c	*		65	50	0.02
	Valencia ...	29.89	62	W	2	c	29.94	+.20	57	56	-1	S	2	c	2		65	53	0.02
FRANCE & NETHERLANDS.	Roche's Point...	29.84	63	NW	4	bc	29.96	+.20	58	56	-2	S	1	c	3		65	51	—
	Pembroke ...	29.83	59	WSW	6	c	29.98	+.25	58	56	-1	SW	1	c	3		61	56	0.01
	Scilly ...	29.93	60	WSW	3	c	29.98	+.14	63	61	+.2	SW	2	bc	5		67	58	0.06
	Prawle Point ...	29.93	59	SW	5	c	30.03	+.16	58	57	-2	SW	2	cw	1		60	53	0.15
	Jersey ...	30.02	66	SW	4	c	30.05	+.03	63	61	-2	WNW	3	om	3		68	60	0.06
	Hurst Castle ...	29.91	62	WSW	7	omd	30.02	+.12	62	60	+.1	W	3	c	3		65	57	0.10
	Dungeness ...	29.90	62	SW	7	odq	29.99	+.06	65	60	+.2	WSW	3	bc	2		68	60	0.01
	London ...	29.85	67	SW	4	bcv	29.99	+.11	62	57	0	WSW	3	bcw	*		67	55	0.15
	Oxford ...	29.87	61	SW	5	c	29.99	+.17	61	58	0	WSW	1	c	*		70	58	0.03
	Cambridge ...	29.82	67	SW	4	c	29.98	+.16	63	58	+.1	W	1	c	*		71	52	0.01
PENIN- SULA.	Yarmouth ...	29.78	69	SW	5	c	29.92	+.08	63	60	+.1	WNW	4	c	2		70	56	—
	Cuxhaven ...	29.91	63	WSW	5	r	29.85	-.14	64	63	+.2	WSW	4	r	*		68	62	0.04
	Berlin ...	29.95	71	WSW	2	c	29.98	-.09	69	62	+.5	W	3	c	*		77	64	—
	Wiesbaden ...	*	*	*	*	*	30.10	-.06	64	60	+.1	2	0	c	*		77	58	—
	Munich ...	30.17	66	NE	1	c	30.21	-.04	65	62	0	W	2	c	*		73	57	—
	The Helder ...	29.83	63	SW	5	c	29.71	-.03	63	60	0	WSW	3	c	4		64	63	0.04
	Brussels ...	*	*	*	*	*	9		63	60	0	SW	4	c	4		66	59	0.04
	Cape Gris Nez...	?	66	SW	5	r	30.10	-.05	64	59	+.1	SW	1	bc	*		80	57	—
	Paris ...	30.14	74	SW	3	bc	?		62	61	-1	2	0	c	5		66	57	0.04
	Brest ...	?	62	SW	4	c	?		63	62	0	WSW	1	m	4		68	61	—
PENIN- SULA.	Lorient ...	30.08	64	SW	4	c	30.08	-.01	63	62	0	WSW	1	m	4		68	61	—
	Rocheport ...	30.19	70	WNW	3	c	30.16	-.06	64	63	-2	WSW	3	m	2		79	58	—
	Belfort ...														*				—
	Lyons ...	30.10	74	NE	1	c	30.13	-.06	66	60	+.1	N	1	c	*		79	59	—
	Nice ...	30.05	74	2	0	c	30.06	-.02	73	67	+.3	E	3	c	0		80	64	—
	Perpignan ...	30.07	77	2	0	c	30.10	-.07	72	66	+.1	SW	1	c	*		90	62	—
	Biarritz ...	30.13	71	NNE	4	c	30.08	-.11	68	65	+.1	SE	2	c	2		77	63	—
	Corunna ...	*	*	*	*	*	30.16	-.07	68	?	+.2	W	3	c	4		90	64	—
	Lisbon ...	30.10	67	WNW	5	c	30.13	-.04	65	61	0	WNW	5	bc	2		79	61	—

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for 8 a.m. on

Sunday, 4th August,

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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Changes since previous morning are stated in words.

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their barbs and feathers refer to force thus—

→ = forces above 10; →→ = forces 8 to 10;

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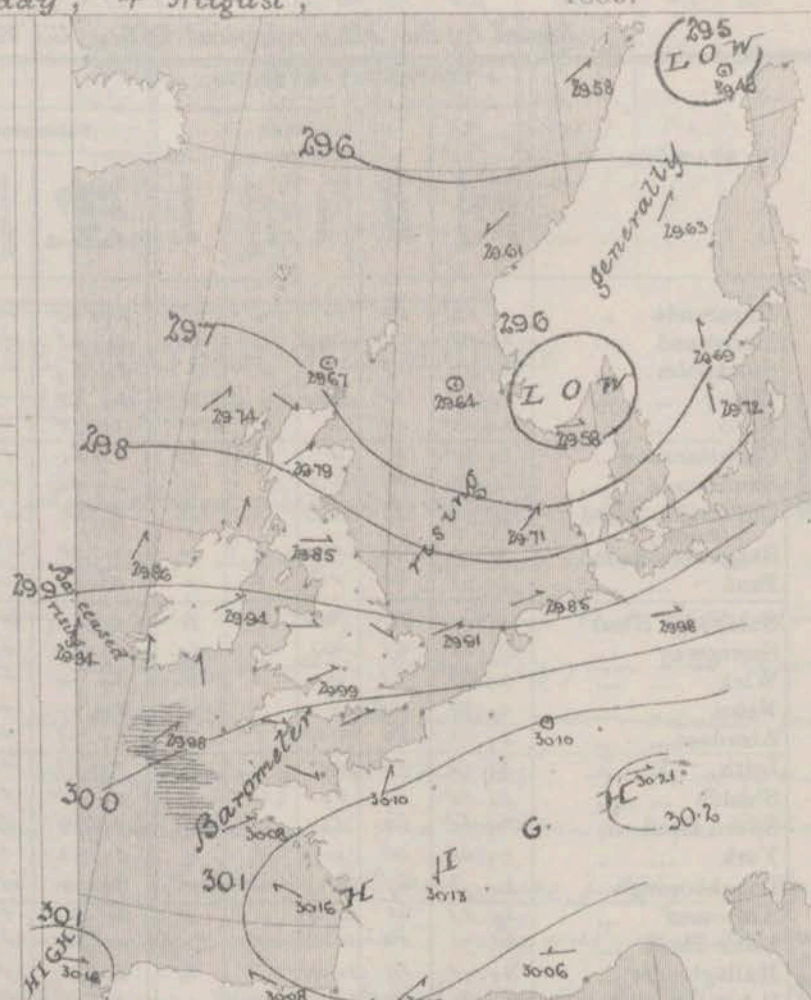
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at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

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	in.
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Pembroke	29.921
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Jersey	29.976
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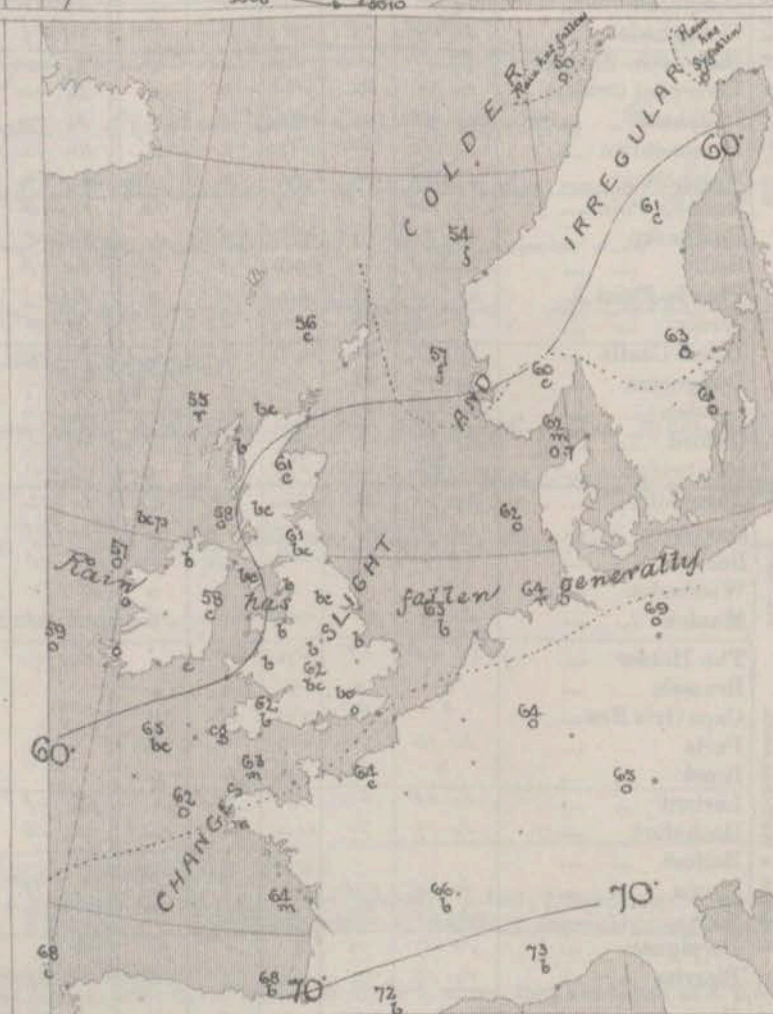
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

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(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
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			Dry.	Wet.	
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Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
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Cambridge	71.3	62.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

NOTE—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.00 in. to 30.10 in. and more over Spain, France and South Germany. Lowest 29.6 in. and less in a depression over the Skager Rack 29.5 in. and less in another near Haparanda. Gradients were, slight over our Islands, moderate over North Germany. Barometer was rising over the British Islands as a whole, but at Valencia the $\bar{\bar{m}}$ had ceased.
TEMPERATURE	Highest 73° at Nice, 72° at Perpignan, 69° at Berlin, 68° at Biarritz, 67° at Paris, 63° at Seilly, Cambridge & Stockholm. Lowest 50° at Oslo, 55° at Christiansund, 55° at Hornøya, 56° at Sumburg, 44° at Medin, 44° at Mullaghmore & Rosstown. The daily maxima recorded yesterday were below 70° over all our southern countries, but ranged from 71° to 73° over the North of England.
WIND	SW ⁷ to W ⁷ light to moderate over the British Islands—SW ⁷ moderate to fresh over the North Sea. Calm in Scotland and the south-west of Norway—NE ⁷ at Christiansund. The gale which prevailed in the Channel and the west of England yesterday, completely subsided.
WEATHER	Fine at present in Spain, the southern parts of France and S. Germany, cloudy elsewhere, and the appearance of the sky at many of our own stations is showerlike. Rain fell very generally over the United Kingdom yesterday, but the amounts collected were not large.
SEA	Rather rough at Seilly, moderate at Spurn H., Helder, and over the Bay of Biscay, slight or smooth generally elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 5TH AUGUST 1889.

DISTRICTS.

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

FORECASTS.

NONE ISSUED

DISTRICTS.

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

WARNINGS

FORECASTS

NONE ISSUED

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.	Dry.	Wet.	Wind.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.
Skudesnes ...	29.69	58	59	SE 2	0	2	Holyhead ...	29.77	61	59	SE 6	om 2	5
Sumburgh Head ...	29.59	56	56	SE 1	0	1	Valencia ...	29.86	63	59	WNW 3	bc	3
Stornoway ...	29.59	63	60	W 2	C	2	Scilly ...	29.90	66	63	WNW 4	C	4
Aberdeen ...	29.59	63	59	SE 2	bc	2	Jersey ...	30.02	67	64	SW 5	of	4
Shields ...	29.59	70	63	SW 2	C	2	Dungeness ...	29.92	64	61	SW 7	of	5
Ardrossan ...	29.59	60	59	SE 1	0	1	London ...	29.86	66	64	SE 4	of	4
Malin Head ...	29.64	58	59	NW 1	of	0	Yarmouth ...	29.81	68	65	SW 4	C	4
Mullaghmore ...	29.69	58	59	NW 5	of	4	Rochefort ...	30.22	75	68	WNW 4	bc	2
Babnullet ...	29.75	59	53	NW 4	0	*							

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

The CONTINENTAL information will appear in TUESDAY'S REPORT.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for MONDAY 5TH AUGUST 1889.
Issued by the Meteorological Office, 63 Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sun. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.48	56	2	0	C	29.56	+0.8	59	56	+1	NW	2	0	0	63	52	—	
	Hernösand ...	29.56	59	2	0	C	29.58	—0.5	61	57	0	SW	2	0	0	68	52	—	
	Stockholm ...	29.54	60	2	0	C	29.55	—1.4	62	60	—1	W	2	0	0	70	54	0.71	
	Wisby ...	29.64	62	WNW	6	C	29.65	—0.7	60	57	—1	WNW	4	0	0	68	57	—	
	Bodö ...	29.62	52	2	0	C	29.66	+0.8	52	50	+2	E	0	0	57	48	—		
	Christiansund...	29.69	58	NW	2	C	29.76	+1.8	54	53	0	SW	1	0	1	57	50	0.04	
	Skudesnaes ...	29.75	57	WNW	4	C	29.78	+1.4	57	53	0	WNW	4	0	3	63	52	—	
	Christiania Fjord (Furder)	29.58	64	2	0	C	29.65	+0.8	63	57	+3	WNW	4	0	3	64	60	—	
	Skagen (The Scaw)	29.61	60	WNW	5	C	29.65	+0.7	61	57	—1	WNW	5	0	3	66	57	0.04	
	Fanö ...	29.87	56	W	3	C	29.81	+1.0	64	58	+2	WNW	3	0	0	66	55	—	
BRITISH ISLANDS.	Sumburgh Head	29.77	58	WNW	1	C	29.73	+0.6	56	56	0	SE	1	0	1	61	48	0.02	
	Stornoway ...	29.75	58	SW	4	C	29.65	—0.9	56	56	+1	E	2	0	2	60	52	0.14	
	Wick ...	29.81	57	NW	1	C	29.68	—0.6	58	57	—2	SE	1	0	1	64	53	0.27	
	Nairn ...	29.78	61	2	0	C	29.64	—1.3	57	55	—1	E	0	0	1	67	53	—	
	Aberdeen...	29.78	64	SW	2	C	29.68	—1	57	56	—2	SE	2	0	2	68	52	—	
	Leith ...	29.81	57	W	2	C	29.68	—1.4	55	53	—7	E	1	0	0	70	50	0.02	
	Shields ...	29.85	65	W	2	C	29.64	—2.1	55	56	—4	E	2	0	2	68	53	0.01	
	Spurn Head ...	29.88	64	SE	1	C	29.67	—2.3	61	60	0	SE	2	0	3	68	58	0.07	
	York ...	29.90	65	W	2	C	29.65	—2.7	58	58	—4	SE	1	0	0	70	57	0.29	
	Loughborough	29.89	71	NW	1	C	29.70	—2.6	60	58	—3	E	2	0	0	72	57	0.03	
GERMANY.	Ardrossan ...	29.81	60	SW	2	C	29.60	—2.4	56	54	—2	NW	1	0	0	62	53	—	
	Malin Head ...	29.78	58	SE	2	C	29.60	—2.2	53	54	—2	SE	1	0	0	60	53	0.50	
	Mullaghmore ...	29.79	57	WNW	4	C	29.61	—2.5	53	54	—2	SW	2	0	2	62	53	0.17	
	Belmullet ...	29.79	58	SW	1	C	29.62	—2.4	53	54	—3	NW	2	0	0	60	54	0.41	
	Donaghadee ...	29.83	60	SW	2	C	29.61	—2.8	54	54	—5	SE	2	0	0	65	53	0.17	
	Barrow-in-Furness	29.86	60	SE	2	C	29.57	—3.1	53	53	—3	NW	1	0	0	62	53	0.92	
	Liverpool (Bidston)	29.88	61	WNW	1	C	29.63	—3.1	53	53	0	WNW	2	0	3	67	57	0.22	
	Holyhead ...	29.88	61	SW	3	C	29.63	—3.1	57	57	+1	WNW	4	0	3	65	55	0.23	
	Parsonstown ...	29.80	64	2	0	C	29.64	—2.8	56	53	—1	E	0	0	0	66	50	0.04	
	Valencia ...	29.80	58	S	4	C	29.75	—1.9	60	57	+1	WNW	3	0	4	62	57	0.21	
FRANCE & NETHERLANDS.	Roche's Point...	29.87	57	SW	2	C	29.67	—2.7	58	53	0	W	3	0	3	66	53	0.15	
	Pembroke ...	29.87	57	S	3	C	29.69	—2.9	58	56	0	SW	4	0	3	62	53	0.40	
	Scilly ...	29.87	68	SW	4	C	29.76	—2.2	60	58	—3	W	5	0	5	66	56	0.05	
	Prawle Point ...	29.92	60	SW	2	C	29.76	—2.7	58	58	0	SW	3	0	2	61	53	0.09	
	Jersey ...	29.96	62	WNW	3	70mm	29.87	—2.2	62	60	—1	WNW	5	0	4	67	59	0.85	
	Hurst Castle ...	29.93	64	WNW	2	C	29.76	—2.6	60	60	—2	SW	4	0	3	68	57	0.07	
	Dungeness ...	29.93	64	SW	3	C	29.76	—2.3	62	60	—3	W	3	0	2	71	58	0.13	
	London ...	29.91	70	SW	1	C	29.75	—2.4	63	60	+1	SW	1	0	0	74	58	0.06	
	Oxford ...	29.89	64	S	1	C	29.74	—2.5	58	57	—3	E	3	0	0	71	57	0.08	
	Cambridge ...	29.91	68	W	1	C	29.73	—2.5	62	57	—1	SW	1	0	0	73	56	0.02	
PENIN-SULA.	Yarmouth ...	29.95	64	E	4	C	29.72	—2.0	61	60	—2	SW	1	0	2	69	58	0.14	
	Cuxhaven ...	29.92	60	WNW	4	C	29.87	+0.2	61	59	—3	SE	1	0	0	68	57	—	
	Berlin ...	29.92	71	W	3	C	29.86	—1.2	67	61	—2	SE	3	0	0	79	61	—	
	Wiesbaden ...	29.92	71	W	3	C	29.86	—1.2	67	61	—2	SE	3	0	0	79	61	—	
	Munich ...	29.97	68	2	0	C	29.94	—2.7	77	73	+12	E	2	0	0	77	59	—	
	The Helder ...	29.95	61	W	1	C	29.77	—1.4	59	56	—4	WNW	1	0	1	64	53	0.04	
	Brussels ...	29.95	65	SW	3	C	29.77	—1.4	64	63	—1	WNW	2	0	0	72	62	0.85	
	Cape Gris Nez...	29.95	73	NW	1	C	29.86	—2.4	66	63	+2	W	2	0	2	82	57	0.20	
	Brest ...	29.95	62	E	0	70	29.77	—1.4	60	59	—2	NW	4	0	4	64	57	0.39	
	Lorient ...	29.99	66	SW	2	C	29.90	—1.8	60	59	—3	WNW	4	0	4	72	57	0.04	
GERMANY.	Roche'fort ...	29.91	69	NW	4	C	29.90	—1.6	64	63	0	W	4	0	2	77	59	—	
	Belfort ...	29.94	68	NW	1	C	29.94	0	63	54	0	NW	1	0	0	72	57	0.28	
	Lyons ...	29.94	79	E	1	C	29.92	—2.0	69	62	+3	E	1	0	0	83	64	—	
	Nice... ..	29.94	75	SW	4	C	29.94	—1.2	73	68	0	E	1	0	0	82	66	—	
	Perpignan ...	29.89	77	N	1	C	29.97	—1.3	75	71	+3	NW	2	0	0	82	63	—	
	Biarritz ...	29.97	70	WNW	5	C	29.98	—0.3	68	64	0	W	4	0	3	77	66	—	
	Corunna ...	29.97	67	NW	4	C	29.97	—0.3	67	63	+2	WNW	4	0	2	75	64	—	
	Lisbon ...	29.97	67	NW	4	C	29.97	—0.3	67	63	+2	WNW	4	0	2	75	64	—	

WEATHER CHARTS

for 8 a.m. on

Monday, 5th August,

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4.
⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

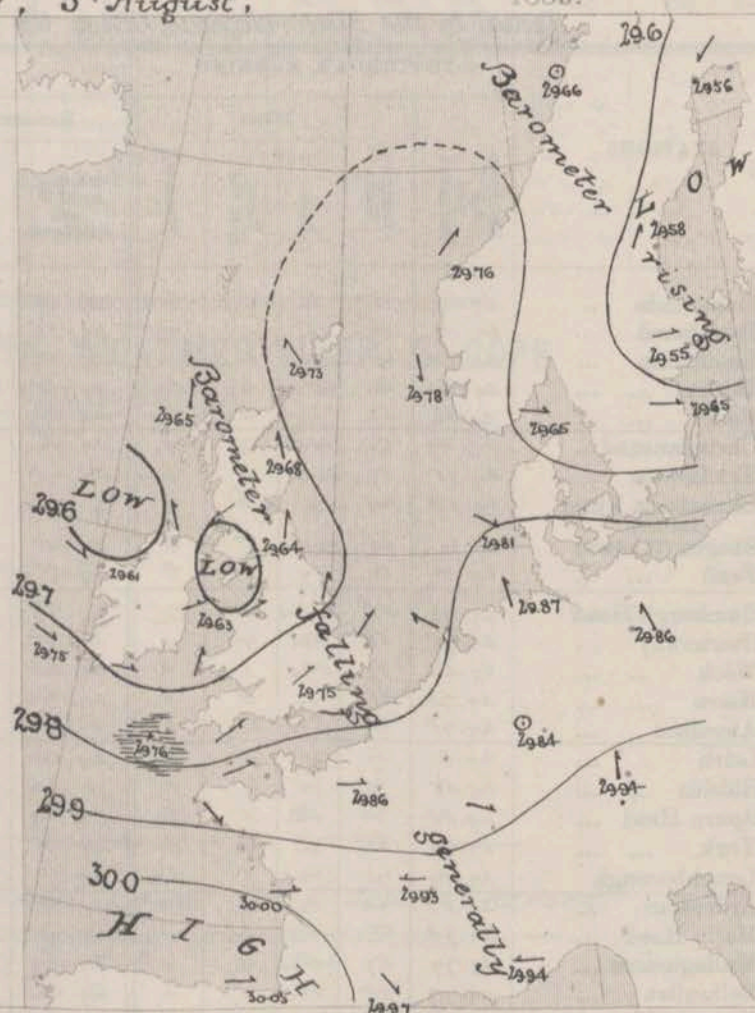
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.932
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

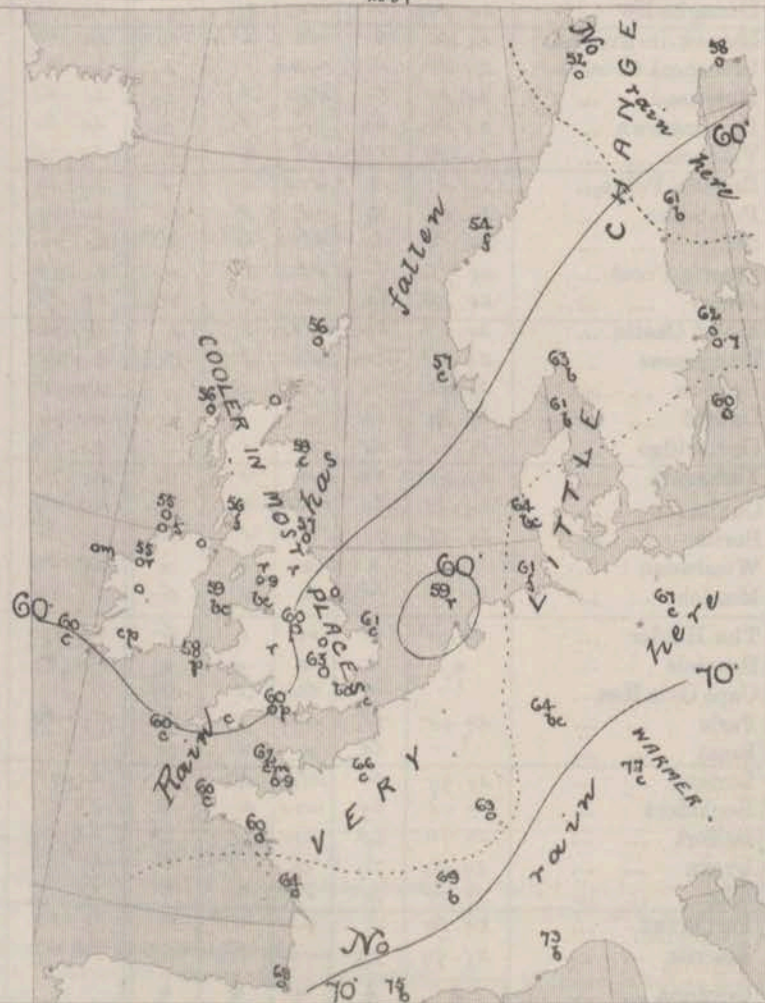
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick.....	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith.....	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.6	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	55.5	2.99
Holyhead.....	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point.....	66.6	53.9	59.0	56.4	3.59
Pembroke.....	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1865-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in. and more, over Spain & the southwest of France, -29.7 in. & more in a "ridge" over the North Sea.
Lowest, 29.5 in. and less, over Ireland and also in two small depressions over the northwest of our islands.
Gradients, slight generally, and somewhat irregular.
Barometer falling generally, less on our southwestern coasts than elsewhere.

TEMPERATURE

Highest, 77° at Munich, 75° at Perpignan, 73° at Nice, 64° at Paris, 63° in London, 62° at Stockholm.
Lowest, 54° at Donaghadee, 55° in the north and northwest of Ireland, 56° at Parnostown, Sligo, & Lough Mel.
The daily maxima for yesterday were below 75° throughout our islands and below 70° at the Irish and Scotch stations.

WIND

Very light from the Snd and End in Scotland - light S^W over our Midland and Eastern Counties.
Moderate Wnd on our western and southwestern coasts - Wnd over the Bay of Biscay.
In Germany and Holland it is light from SE., while in Denmark and the south of Norway it is Wnd to Wnd.

WEATHER

Fair at present on the eastern shores of the North Sea and in Germany, very cloudy, unsettled and showery over the United Kingdom. The amount of rain measured at Mullaghmore, Barrow-in-Furness and Jersey this morning is large.

SEA

Moderate on our southwestern coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is at present no indication of any permanent alteration in the weather.

FORECASTS

For the 24 hours ending at NOON on 6th AUGUST

1889.

DISTRICTS.

FORECASTS.

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

Varying SE. to SW. winds, light or moderate; rainy to fair; thunder locally.

SW^{ly} to W^{ly} winds, light or moderate; changeable, showery, thunder locally.

DISTRICTS.

FORECASTS

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

N^{ly} and SW^{ly} breezes, light; rain at times, possibly thunder locally.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.69	63	59	SW 4	C	3	Holyhead ...	29.54	62	58	SW 3	C	1
Sumburgh Head ...							Valencia ...						
Stornoway ...	29.76	59	58	SW 4	0	4	Scilly ...						
Aberdeen ...							Jersey ...	30.02	65	61	W 3	09	3
Shields ...							Dungeness ...	29.97	67	62	WSW 3	6	2
Ardrossan ...							London ...						
Malin Head ...	29.83	59	59	W 1	0	1	Yarmouth ...						
Mullaghmore ...							Rochefort ...	30.04	76	68	NW 2	8	2
Balmullet ...	29.83	58	58	SW 3	0	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure varied between 30.00 ins. and 29.15 ins. over the whole of southwestern, southern, central and southeastern Europe, while it was rather below 29.5 ins. at the northern extremity of the Gulf of Bothnia, and rather below 29.6 ins. in a depression lying over the Skager Rack and south of Norway. Gradients were slight everywhere, and except over Scandinavia, were favourable for SW^{ly} and W^{ly} winds of little strength. The winds reported agreed with these conditions, being light to moderate from between SW. and W., except in Norway and over some parts of the Mediterranean, where local breezes from NE and E were reported. The weather was fine and bright over the southwestern, southern and southeastern countries, and also in several parts of England, very cloudy generally elsewhere. Rain had fallen in many regions (most over the British Islands) and the appearance of the sky at many of our own stations was changeable and showerlike. Temperature was high over the Mediterranean, and the Spanish Peninsula, and was not low anywhere. The highest individual values were 81° at Rome, 83° at Barcelona, 80° at La Calle, 79° at Trieste, 77° at Florence and Constantinople, 76° at Laxia, 73° at San Fernando and Nice, 72° at Perpignan and 71° at Toulon and Madrid. The lowest were 50° at Bodo, 51° at Christiansund & Sumburgh H., 55° at Stornoway, 54° at Malin Head and Parsonstown, and 58° at Ardrossan. Later on the weather again began to be very 'showery' over the United Kingdom, and the barometer fell generally, except in the Shetland Islands and over Scandinavia and Denmark.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 28th JULY TO THE 3rd AUG. 1889.

The week opened with a great improvement in the weather over the British Islands generally; the rain so prevalent in the preceding week gradually ceased, the barometer rose generally, as a large elongated area of high pressure passed slowly over the British Islands from W. to E. Temperature increased somewhat as the weather cleared up, so that on Tuesday and Wednesday the daily maxima ranged between 75° and 80° over England generally.

By Wednesday, however, the high pressure area had reached the North Sea, and as the wind shifted to the S.W.^{ly} some shallow local depressions began to appear over various portions of western Europe, and on Thursday rain fell in several parts of the Kingdom, a sharp thunderstorm occurred at Cambridge and in London the sky became densely overcast, the air hot (shade max 85°) and oppressive. On Friday the conditions were still less fair, and at night a rather deep and complex depression reached our western coasts, and, passing north-eastwards, caused strong SW^{ly} winds, and some gales over Ireland and England, accompanied by rain and in places much driving mist.

On Saturday night the sky was clearing, and the barometer rising.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for TUESDAY 6TH AUGUST. 1889.
Issued by the Meteorological Office, 63 Victoria Street, London. R.H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										FAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. 0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dirco.	Force. (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dirco.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.64	58	NNE	2	bc	29.70	+14	59	52	0	NNE	4	bc	*	66	50	—	
	Hernösand ...	29.68	58	2	0	f	29.71	+13	59	55	-2	NNE	2	f	*	77	50	—	
	Stockholm ...	29.67	61	2	0	c	29.71	+16	59	57	-3	E	2	f	*	68	55	0.08	
	Wisby ...	29.69	60	SEW	2	f	29.68	+03	60	58	0	S	2	0	*	68	53	—	
	Bodö ...	29.76	51	WNW	2	bc	29.76	+10	52	50	0	S	0	bc	1	53	48	2.36	
	Christiansund... ‡	29.75	56	NE	4	f	29.61	-16	56	53	+2	ENE	4	bc	2	61	50	—	
	Skudesnaes ...	29.65	56	NNW	4	0	29.54	-24	58	53	+1	SSE	4	0	3	61	54	—	
	Christiania Fjord (Færdar)	29.65	64	WNW	2	0	29.58	-07	62	58	-1	SSE	2	0	2	66	59	—	
	Skagen (The Scaw)	29.64	58	WNW	1	0	29.50	-15	59	58	-2	SSE	4	0	3	64	57	0.28	
	Fanö ...	29.62	59	E	5	c	29.58	-22	64	61	0	SW	5	f	*	66	59	0.20	
BRITISH ISLANDS.	Sumburgh Head	29.68	58	E	1	c	29.57	-16	57	56	+1	NE	2	c	2	59	52	0.01	
	Stornoway ...	29.58	58	NE	4	c	29.57	-10	57	56	+1	NE	4	0	4	61	53	0.02	
	Wick ...	29.61	57	ENE	1	0	29.57	-11	56	53	-2	ENE	2	c	2	64	53	0.12	
	Nairn ...	29.55	57	ENE	1	7	29.49	-15	56	53	-1	E	2	0	1	61	53	0.70	
	Aberdeen...	29.57	57	E	4	0.97	29.46	-22	54	54	-5	NE	5	po	5	57	54	1.18	
	Leith ...	29.46	55	W	2	7	29.45	-23	57	54	+2	W	1	cm	*	57	51	0.72	
	Shields ...	29.51	61	ENE	2	c	29.46	-18	56	53	-1	SW	2	c	2	66	52	0.13	
	Spurn Head ...	29.57	63	SEW	3	bc	29.58	-09	58	54	-3	SW	5	bc	4	64	52	0.04	
	York ...	29.58	62	S	1	c	29.56	-09	57	53	-1	SW	3	0	*	64	51	0.47	
	Loughborough	29.62	65	WNW	3	c	29.65	-05	57	53	-3	WNW	4	c	*	70	51	0.18	
GERMANY.	Ardrossan ...	29.51	56	NW	1	7	29.44	-16	58	56	+2	NNE	1	cm	1	61	54	0.60	
	Malin Head ...	29.53	53	NW	1	0.70	29.51	-09	53	53	0	NW	5	0.7	4	53	54	0.44	
	Mullaghmore...	29.59	57	W	4	0	29.65	+04	57	53	+2	WNW	6	0.7	4	53	54	0.13	
	Belmullet ...	29.60	57	NW	3	0	29.72	+10	53	53	0	NW	4	0	*	60	54	0.25	
	Donaghadee ...	29.54	56	NNE	2	7	29.51	-10	53	53	-1	WNW	3	7	1	65	53	0.54	
	Barrow-in-Furness	29.54	60	SW	4	bc	29.49	-10	56	53	+1	SW	5	c	*	60	54	0.33	
	Liverpool (Bidston)	29.59	56	W	3	0	29.57	-06	57	54	-1	WNW	4	0	4	65	52	0.10	
	Holyhead ...	29.60	57	WNW	4	0.70	29.60	-03	56	54	-3	W	5	0.7	5	65	53	0.10	
	Parsonstown ...	29.66	58	SW	3	c	29.71	+07	56	54	0	S	2	0	*	63	51	0.07	
	Valencia ...	29.77	60	WNW	4	0.7	29.85	+10	58	56	-2	WNW	3	0.7	3	61	53	0.07	
FRANCE & NETHERLANDS.	Roche's Point...	29.74	60	W	4	bc	29.78	+04	58	53	0	WNW	4	bc	4	63	52	0.08	
	Pembroke ...	29.70	58	WNW	6	c	29.73	+04	57	54	-1	WNW	6	bc	5	61	54	0.03	
	Scilly ...	29.84	60	WNW	5	f	29.84	+08	60	57	0	WNW	4	bc	4	62	56	—	
	Prawle Point ...	29.80	58	WNW	5	c	29.82	+06	58	53	0	WNW	6	bc	5	61	55	0.01	
	Jersey ...	29.89	63	W	6	cm	29.90	+07	60	57	-2	WNW	5	cm	4	66	58	—	
	Hurst Castle ...	29.76	63	WNW	7	bc	29.80	+04	62	61	+2	WNW	6	bc	5	66	58	0.01	
	Dungeness ...	29.72	62	WNW	6	c	29.76	0.0	60	57	-2	WNW	7	c	5	69	56	0.08	
	London ...	29.71	65	SW	4	0.7	29.74	-01	60	53	-3	WNW	5	c	*	71	54	0.34	
	Oxford ...	29.71	58	SW	5	f	29.72	-02	57	54	-1	SW	3	cu	*	68	52	0.17	
	Cambridge ...	29.66	65	SW	2	f	29.70	-03	57	53	-3	SW	3	f	*	72	48	0.04	
PENIN- SULA.	Yarmouth ...	29.66	60	NNW	2	c	29.68	-04	59	56	-2	WNW	4	f	3	65	52	0.15	
	Cuxhaven ...	29.71	62	SE	1	0.7	29.70	-17	61	59	0	SW	5	bc	*	68	59	1.68	
	Berlin ...	29.74	66	2	0	7	29.84	-02	66	61	-1	NNW	4	f	*	81	61	1.06	
	Wiesbaden ...	*	*	*	*	*	29.90	+06	64	60	0	W	4	bc	*	79	59	—	
	Munich ...	29.99	66	SW	2	0	30.04	+10	66	63	-11	S	1	0	*	73	59	—	
	The Helder ...	29.69	62	SW	2	bc	29.69	-08	61	57	+2	SW	3	c	4	66	57	0.04	
	Brussels ...	*	*	*	*	*	29.85	+08	60	56	-4	SW	3	c	*	71	53	—	
	Cape Gris Nez...	?	62	WNW	6	f	?	?	60	56	-2	WNW	6	bc	6	64	57	0.04	
	Paris ...	29.88	71	W	2	f	29.96	+10	57	54	-9	SW	2	0	*	80	54	—	
	Brest ...	?	63	NW	3	bc	?	?	60	57	0	WNW	4	0	4	66	57	0.16	
PENIN- SULA.	Lorient ...	29.97	62	W	5	c	29.97	+07	60	56	0	W	3	c	3	64	57	—	
	Rocheport ...	30.06	68	NNW	4	c	30.05	+05	63	60	-1	N	3	0	2	72	57	—	
	Belfort ...	29.95	66	NW	1	c	29.98	+04	62	53	-1	W	2	c	*	74	56	0.32	
	Lyons ...	29.97	72	NNW	2	c	30.02	+09	63	57	-6	N	2	0	*	83	60	0.67	
	Nice ...	29.88	75	SW	4	f	29.94	0.0	70	68	-3	SW	1	0	0	81	66	—	
	Perpignan ...	29.97	76	NW	3	0	29.99	+02	71	65	-4	2	0	0	*	84	62	—	
	Biarritz ...	30.07	69	N	2	c	30.02	-03	65	?	-3	SE	3	0	*	?	?	?	
PENIN- SULA.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	30.03	69	NNW	5	f	30.02	-08	64	60	-3	N	5	f	2	79	61	—	

For Explanation of Columns, see p. 1.

‡ Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on

Tuesday, 6th August,

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

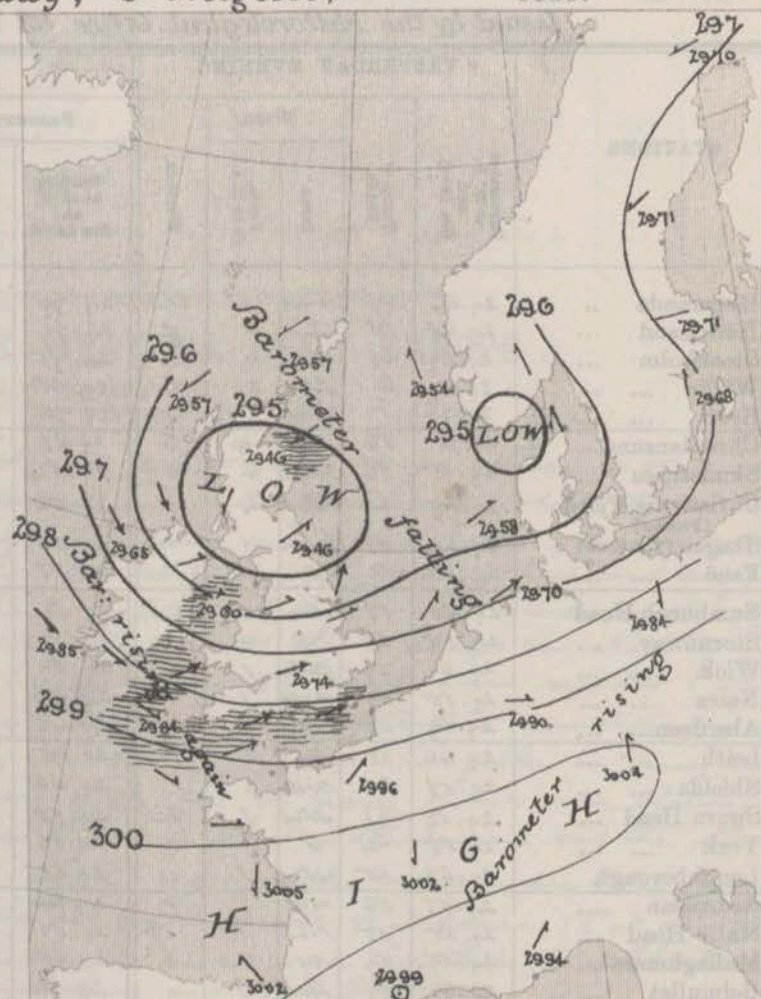
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.905
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Sally	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

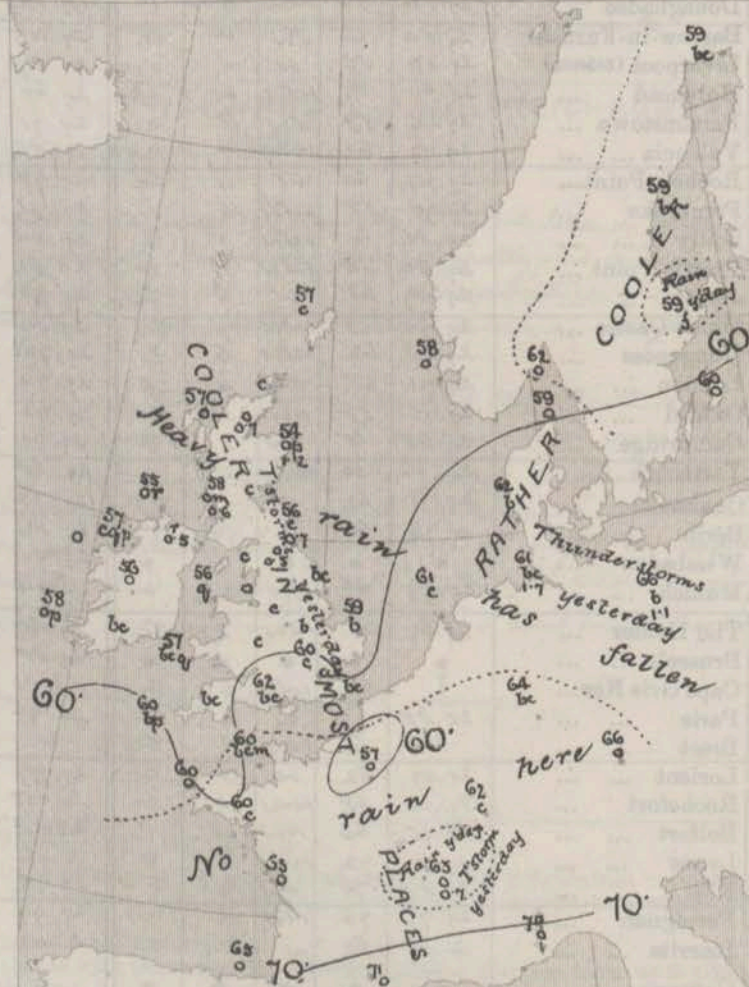
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.89
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Sally	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. and upwards over Spain and the southern parts of France and Germany.
Lowest 29.5 ins. and less in a depression lying over Scotland and the N. of England, & also in another disturbance lying off the N. of Denmark.
Gradients moderate over Ireland, England and the Netherlands, but slight elsewhere.
Barometer rising a little in the west and south of our Islands, as well as in Sweden and Germany, but falling elsewhere.

TEMPERATURE

Highest 71° at Perpignan, 70° at Nice, 66° at Berlin and Munich, 65° at Biarritz, & 64° at Lani, Wiesbaden and Lisbon.
Lowest 53° at Donaghadee, 54° at Aberdeen, 55° at Malin Head & Belmullet & 56° at Wick, Shields, Burrow-in-Furness, Holyhead & Parnassstown.
The highest maxima registered over our Islands yesterday were 72° at Cambridge, 71° in London, and 70° at Loughborough.

WIND

Moderate or fresh from the NWnd in Ireland; fresh or strong from the Wnd over the greater part of England.
Moderate or fresh from the SWnd over the southern parts of the North Sea, 3 to SE⁷ in the south of Norway.
Light to moderate from the End or NEnd in Sweden and the North of Scotland.

WEATHER

Showery in most parts of the United Kingdom; Dull in Scotland and France.
Misty in the south of Scotland; foggy at Stockholm.
Heavy rain fell yesterday in the northern parts of our Islands, and also in Germany.
Thunderstorms occurred in many parts of England, France and Germany.

SEA

Rather rough on our west and south coasts, as well as at Aberdeen, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the depression over Scotland moves eastward some improvement in the weather will probably take place over the United Kingdom generally. Conditions are however, likely to remain very unsettled.

FORECASTS

For the 24 hours ending at NOON on 7th AUGUST

1889.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NE ^{ly} to N ^{ly} winds, moderate or fresh; changeable, some showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW ^{ly} to W ^{ly} winds, moderate or fresh; changeable, some showers, thunder locally
3	ENGLAND EAST	
4	MIDLAND COUNTIES	W ^{ly} winds, fresh or strong; changeable, some showers, thunder locally.
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS

6	SCOTLAND WEST	N ^{ly} and NW ^{ly} winds, moderate; changeable, some showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	W ^{ly} to NW ^{ly} winds, fresh; showery to fair.
9	IRELAND NORTH	
0	IRELAND SOUTH	NW ^{ly} winds, moderate or fresh; showery to fair.

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.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.72	60	58	NW 4	0	3	Holyhead ...	29.61	63	59	SW 3	0	3
Sumburgh Head ...	29.71	56	56	ESE 1	0	1	Valencia ...	29.77	59	58	W 4	C 7	4
Stornoway ...	29.62	58	57	E 4	0	4	Scilly ...	29.81	62	58	WNW 5	C 9	5
Aberdeen ...	29.61	58	56	E 2	0 1/2	2	Jersey ...	29.87	65	61	NE 6	PM	5
Shields ...	29.52	62	57	WSW 3	0	2	Dungeness ...	29.72	66	61	WSW 6	C	5
Ardrossan ...	29.54	56	56	X 0	7 f	0	London ...	29.69	66	62	SW 3	C 7	4
Malin Head ...	29.57	56	58	X 0	0 1/2	0	Yarmouth ...	29.68	61	60	SW 1	7 f	2
Mullaghmore ...	29.59	57	56	WNW 5	0	4	Rochefort ...	30.05	68	64	W 4	0	2
Belmullet ...	29.65	59	54	W 5	0	*							

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The reports for yesterday morning showed that pressure varied from between 30.0 ins. and 30.1 ins. over the Spanish and Balkan Peninsulas, and the South of Italy, and from 29.9 ins. and more, over the whole of southern, central and southeastern Europe to 29.6 ins. and less, in a depression lying over Sweden, the Gulf of Bothnia and Finland, as well as in another (complex) depression lying over the northwestern half of the British Islands. Gradients were slight, and while the barometer was falling in most places it was rising in Norway and on the eastern shores of the North Sea. The wind was light in force over the whole of Europe. It circulated cyclonically round the two depressions noted above, while over the southwestern, central, southern and southeastern countries it was extremely variable. The weather remained fine over the southeastern half of the Continent, but was cloudy and very unsettled elsewhere, with rain showers in many places. Thunderstorms had been very prevalent in France, South Germany and Hungary. Temperature remained high in the far South, but showed some further decrease in the northern and northwestern countries. The highest morning values were 82° at La Calle, 81° at Annals, 80° at Trieste, 79° at Cagliari and Brindisi, 78° at Barcelona, 77° at Algiers and Munich, 76° at Oran, Palermo and Toulon, 75° at Constantinople, and 73° at Naples, Nice and Turin; the lowest were 52° at Bodo, 51° at Christiansund and Donaghadee, 50° at Barrow-in-Furness, Malin Head and Belmullet, 56° at Sumburgh Head and Stornoway, 54° at Shields and Skudesnaes, and 58° at Roches Point, Oxford, York and Haparanda.

During the day the wind freshened from the Wnd over the southern parts of the Kingdom, but became E^z in the north; much rain fell in most places, and thunder and lightning occurred in many, while temperature decreased.

GENERAL REMARKS ON THE WEATHER FOR THE 24 HOURS ENDING

8 AM ON AUGUST 4th 1889

The reports for yesterday morning showed that pressure exceeded 30.0 ins. over the greater part of the Continent, and that it varied between that value and 30.2 ins. over the whole of the Spanish Peninsula, France and Germany. From these regions it decreased in value to 29.6 ins. and less, in an irregularly formed depression which had advanced over the northern districts from the Atlantic during the night, and to a little below 29.5 ins. off the west coast of Lapland. The wind was consequently chiefly SW^z over northwestern Europe, but drew into S. over Finland and the Gulf of Bothnia. In force it was fresh to strong, and squally, over Ireland and England, and blew with the force of a gale in several parts of the Irish and English Channels, while over France and North Germany it was moderate to light. Over the Mediterranean and southern Europe variable airs were reported. Temperature was inclined to fall in most places, and was apparently becoming low over central Russia. The highest morning values reported were 81° at Sfax, 79° at Annals, 78° at Trieste, 75° at Oran, Palermo, Sanghinaise, Leghorn, Lesina and Constantinople, 71° at Naples, Barcelona and Perpignan, and 70° at Bilbao and Nice; the lowest were 49° at Moscow, 52° at Bodo, 56° at Sumburgh Head, Stornoway and Malin Head, and 54° at Haparanda, Christiansund, Skudesnaes, Wick, Leith and Ardrossan.

SW^z gales and rain continued prevalent over the southern counties of England and in the Solent during the greater part of the day, but the weather improved later, and the wind subsequently lulled and veered Wnd.

EXPLANATION OF 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.

† The evening observations are taken at 8 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for WEDNESDAY 7TH AUGUST. 1889.
Issued by the Meteorological Office. 63 Victoria Street, London. R.H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. 0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.71	58	2	0	b	29.71	+01	62	59	+3	E	2	bc	*	?	52	—	
	Hernösand ...	29.69	57	ESE	2	o	29.62	-09	58	56	-1	E	2	p	*	68	48	—	
	Stockholm ...	29.67	59	ESE	2	o	29.67	-04	63	59	+4	SW	2	o	*	68	54	0.04	
	Wisby ...	29.73	60	S	4	b	29.76	+03	62	58	+2	W	2	b	*	70	54	—	
	Bodö ...	29.69	57	N	1	b	29.60	-16	62	54	+10	SE	2	C	1	?	48	—	
	Christiansund...	29.45	61	E	1	o	29.46	-15	57	54	+1	WNW	1	C	1	63	52	—	
	Skudesnaes ...	29.45	58	E	1	o	29.47	-07	57	54	-1	2	o	C	2	61	48	0.35	
	Christiania Fjord (Farder)	29.53	61	SW	5	C	29.47	-11	59	56	-3	S	6	p	5	63	57	0.35	
	Skagen (The Scaw)	29.57	59	WNW	3	b	29.49	-01	59	58	0	SW	5	o	4	64	53	0.39	
	Fanö ...	29.63	59	SW	6	C	29.60	+02	61	57	-3	SW	6	C	*	66	59	0.08	
BRITISH ISLANDS.	Sumburgh Head	29.54	54	NNE	4	o	29.67	+10	55	54	-2	N	4	o	4	60	52	0.02	
	Stornoway ..	29.67	58	NNE	4	o	29.84	+17	57	56	0	NW	4	C	4	60	47	—	
	Wick ...	29.61	58	NE	3	C	29.77	+16	57	53	+1	N	5	C	4	62	50	0.01	
	Nairn ...	29.60	59	WNW	3	bc	29.80	+21	57	53	+1	W	3	C	2	61	53	0.02	
	Aberdeen...	29.56	57	NW	4	op	29.77	+21	57	53	+3	NW	3	bc	3	59	52	0.13	
	Leith ...	29.57	58	W	1	o	29.81	+24	58	54	+1	W	1	Cm	*	63	52	0.14	
	Shields ...	29.54	56	N	1	p	29.78	+24	57	53	+1	NW	2	C	2	62	51	0.20	
	Spurn Head...	29.60	60	SW	5	C	29.82	+22	60	56	+2	W	4	C	4	64	55	0.07	
	York ...	29.57	59	W	4	o	29.84	+27	58	53	+1	W	2	b	*	62	52	0.18	
	Loughborough	29.63	62	W	5	bc	29.90	+27	56	55	-1	W	3	op	*	68	53	0.19	
GERMANY.	Ardrossan ...	29.61	58	WNW	1	op	29.83	+22	57	56	+1	NW	3	C	2	60	54	0.06	
	Malin Head ...	29.67	56	N	4	op	29.88	+21	56	54	+1	NW	2	o	2	56	54	0.25	
	Mullaghmore ...	29.75	59	WNW	6	C	29.92	+17	57	56	0	W	5	op	3	61	53	0.20	
	Belmullet ...	29.81	58	WNW	4	o	29.97	+16	58	55	+3	WNW	2	C	*	60	52	0.02	
	Donaghadee ...	29.64	59	NNE	3	C	29.90	+26	58	56	+5	WNW	3	b	1	60	51	0.45	
	Barrow-in-Furness	29.56	57	W	4	p	29.83	+27	57	53	+1	NNE	2	bc	*	58	54	0.53	
	Liverpool (Biston)	29.65	56	W	6	p	29.89	+24	58	53	+1	WNW	4	C	4	62	54	0.18	
	Holyhead ...	29.70	57	W	4	p	29.92	+22	57	56	+1	WNW	4	Cg	4	65	54	0.11	
	Parsonstown ...	29.79	61	WNW	3	bc	29.98	+19	57	54	+1	SW	2	C	*	65	50	—	
	Valencia ...	29.52	59	WNW	3	Cp	30.06	+14	61	57	+3	WNW	2	C	2	65	53	0.07	
FRANCE & NETHERLANDS.	Roche's Point...	29.86	60	WNW	4	bc	30.03	+17	58	53	0	WNW	3	C	3	62	52	0.03	
	Pembroke ...	29.80	59	WNW	6	bc	30.01	+21	57	54	0	WNW	3	C	3	60	53	—	
	Scilly ...	29.92	59	WNW	5	Cg	30.07	+15	60	58	0	WNW	4	bc	4	62	56	—	
	Prawle Point ...	29.79	59	W	4	b	30.06	+27	57	53	-1	W	3	C	2	62	53	—	
	Jersey ...	29.95	62	W	5	bc	30.09	+14	61	57	+1	WNW	4	bc	4	65	57	—	
	Hurst Castle ...	29.83	63	WNW	7	bc	30.03	+20	62	61	0	WNW	5	b	4	67	57	—	
	Dungeness ...	29.79	63	WNW	7	bc	29.93	+14	62	58	+2	W	6	bc	4	68	57	—	
	London ...	29.77	64	WNW	3	bc	29.95	+18	60	55	0	WNW	3	C	*	69	53	0.12	
	Oxford ...	29.79	58	SW	5	C	29.95	+16	58	54	+1	WNW	4	b	*	66	53	—	
	Cambridge ...	29.69	67	SW	3	b	29.90	+21	57	56	0	W	1	o	*	69	53	0.05	
PENIN- SULA.	Yarmouth ...	29.74	62	W	3	C	29.83	+9	58	57	-1	WNW	4	C	2	66	53	0.28	
	Cuxhaven ...	29.76	63	SW	4	T	29.74	+04	59	58	-2	SW	5	bc	*	?	58	0.16	
	Berlin ...	29.85	68	WNW	1	b	29.88	+04	64	57	-2	WNW	4	bc	*	75	59	—	
	Wiesbaden ...	*	*	*	*	*	30.02	+12	60	53	-4	SW	4	b	*	73	52	—	
	Munich ...	30.02	65	SW	1	o	30.16	+14	59	53	-7	W	5	o	*	75	59	—	
	The Helder ...	29.71	62	SW	5	C	29.76	+05	57	57	-2	WNW	4	o	4	64	59	—	
	Brussels ...	*	*	*	*	*	29.97	+12	59	56	-1	SW	5	C	*	67	54	0.04	
	Cape Gris Nez...	?	61	WNW	6	b	?	?	61	57	+1	WNW	6	bc	6	64	59	—	
	Paris ...	29.95	66	SW	2	bc	30.10	+14	59	56	+2	SW	2	b	*	73	52	—	
	Brest ...	?	62	WNW	3	o	?	?	59	57	-1	2	o	b	1	64	54	0.08	

WEATHER CHARTS

for 8 a.m. on

WEDNESDAY.

7TH AUGUST.

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4.
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

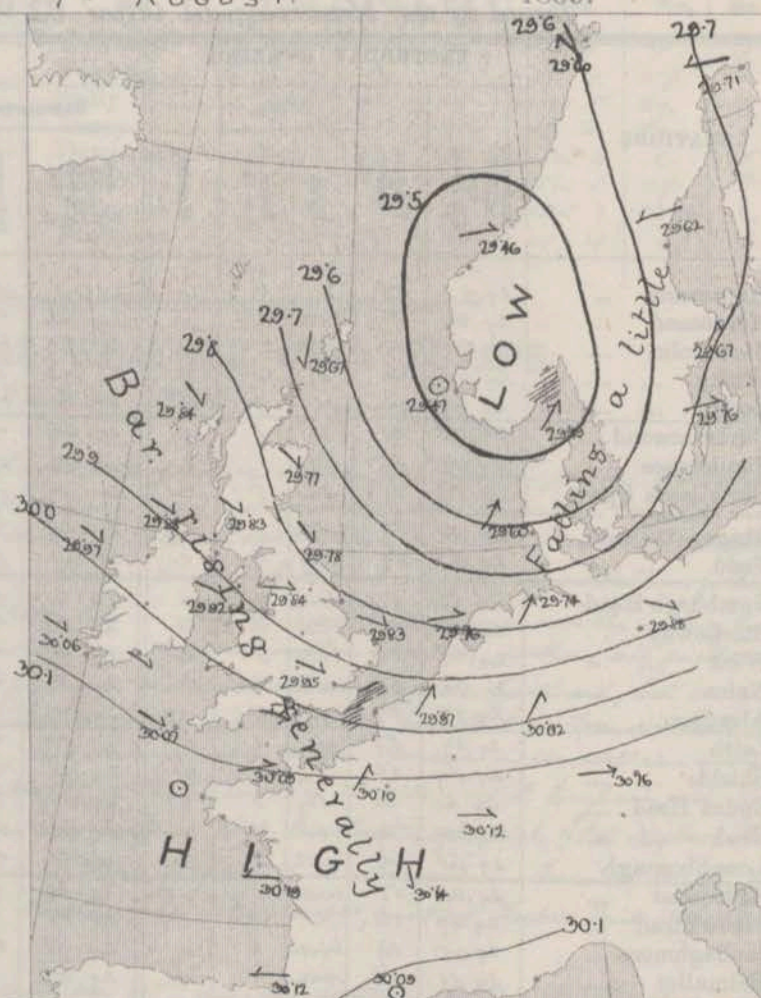
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roohe's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.969
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

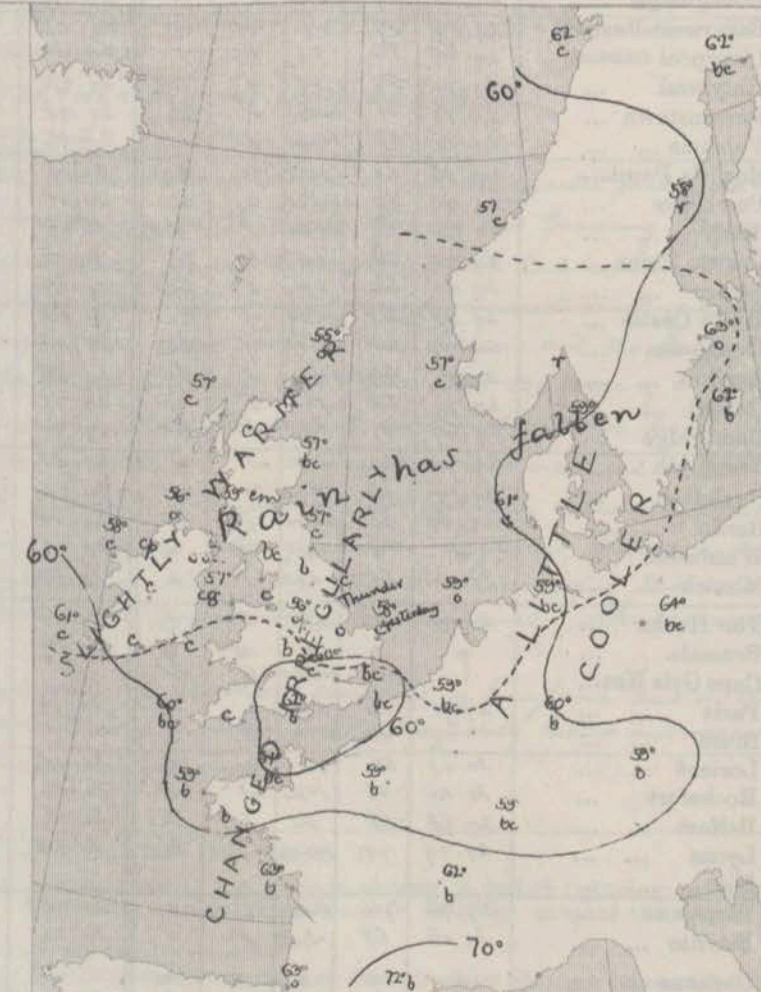
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	67.9	48.5	53.8	52.0	3.21
Stornoway.....	58.5	49.0	55.2	53.3	3.57
Wick.....	61.1	48.5	55.2	53.2	2.35
Nairn.....	63.4	50.2	55.6	52.7	2.81
Aberdeen.....	63.1	50.2	56.7	53.6	3.13
Leith.....	65.8	51.4	57.6	54.6	2.62
Shields.....	63.5	52.3	57.6	54.9	2.81
York.....	68.1	51.4	58.0	55.3	2.47
Loughborough.....	70.5	52.1	59.9	57.4	2.61
Ardrossan.....	64.0	53.1	57.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	55.5	2.99
Holyhead.....	64.3	55.0	58.5	56.4	2.89
Liverpool.....	65.7	54.3	58.7	55.5	2.79
Parsonstown.....	66.2	51.7	57.6	55.7	3.48
Valencia.....	65.0	54.1	59.4	57.0	4.55
Roohe's Point.....	66.6	53.9	59.0	56.4	3.59
Pembroke.....	63.7	55.8	58.9	56.6	2.91
Scilly.....	64.9	57.2	61.1	59.0	2.45
Jersey.....	69.0	57.4	63.1	60.0	2.26
Hurst Castle.....	68.1	56.1	61.2	59.1	2.31
Dover.....	67.1	57.2	62.6	59.0	2.06
LONDON.....	71.8	53.7	61.4	57.8	2.20
Oxford.....	69.2	53.4	59.2	56.4	2.33
Cambridge.....	71.3	52.1	60.2	57.3	2.25
Yarmouth.....	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. to 30.2 ins. over France, Spain and the southwest of the British Islands.
 Lowest 29.5 ins. and less in a depression lying over the South of Norway.
 Gradients moderate over the North Sea and Germany, slight and decreasing over our Islands.
 Barometer rising throughout our Islands and France, falling in Sweden.

TEMPERATURE

Highest 72° at Perpignan, 64° at Lisbon and Berlin, 63° at Stockholm and Rochefort, 62° at Bodo & Haparanda, 60° in London.
 Lowest 58° at Lumburgh Head, 56° at Malin Head and Liverpool, 57° at several of the Scotch & Irish stations & at Shields, 59° at Paris and Brussels.
 It has fallen over Germany and the southeast of France, changed little elsewhere. The daily maxima yesterday were below 70° all over our Islands, and below 60° at some northern and northwestern stations.

WIND

Light SE^{ly} over northern Europe—strong SW^{ly} on the eastern shores of the North Sea.
 Moderate SW^{ly} to W^{ly} in France—W^{ly} over the southern half of England.
 NW^{ly} in Ireland—NW^{ly} to N^{ly} in Scotland.

WEATHER

Dull and rainy at several Scandinavian stations. Fine over France
 cloudy over the greater part of the British Islands, with showers of rain in a few places, and a showery appearance in others.

SEA

Rough at Cape Gris Nez, moderate on our western, southern and northern coasts generally, slight or smooth in the East.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It appears probable that some passing showers will be experienced locally in many parts of our Islands today, and be followed by a fine cold night, and rising temperature tomorrow.

FORECASTS

For the 24 hours ending at NOON on 8TH AUGUST 1889.

DISTRICTS.



FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | } N ^{ly} to W ^{ly} breezes, light, perhaps a shower or two, otherwise fine, cold at night. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | } NW ^{ly} and W ^{ly} breezes, moderate to light, possibly a shower or two, bright intervals, cold in night, warmer to morrow. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS

- | | | |
|----------|---------------|---|
| 6 | SCOTLAND WEST | } Wind beginning to back towards W. and SW. moderate, slight shower, with bright intervals. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | |
| 0 | 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.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.47	61	57	X 0	0	3	Holyhead ...	29.66	58	56	W 4	c 7	4
Sumburgh Head ...	29.54	58	56	NNE 4	0	4	Valencia ...	29.88	64	60	NW 5	c 7	5
Stornoway ...	29.63	60	59	NE 4	bc	4	Scilly ...	29.90	62	59	WNW 4	b	4
Aberdeen ...	29.51	58	57	NNE 4	c 7	4	Jersey ...	29.92	65	59	W 5	bc	4
Shields ...	29.46	61	53	WNW 3	0	2	Dungeness ...	29.76	65	59	W 7	bc	5
Ardrossan ...	29.53	60	56	NNE 1	of	1	London ...	29.75	66	60	W 4	c 7	5
Malin Head ...	29.60	55	57	WNW 4	of	3	Yarmouth ...	29.67	63	60	W 4	bc	3
Mullaghmore ...	29.70	60	56	WNW 6	of	5	Rocheport ...	30.07	68	62	NW 3	c	2
Belmullet ...	29.77	60	57	NW 4	c	*							

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

The Continental information not received

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for THURSDAY 8TH AUGUST 1889.
 Issued by the Meteorological Office, 63 Victoria Street, London. R.H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	Barometer. Reading at 32° F. and Sea Level.	SHADE TEMP.		WIND.	Temp. in Shade.	Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.				
			Dir.	Force. (0 to 12.)			Dry.	Wet.					Max.	Min.					
SCANDINAVIA.	Haparanda ..	29.63	56	2	0	0	29.60	-11	57	58	-3	SW	2	0	*	68	50	0.08	
	Hernösand ...	29.61	60	2	0	0	29.61	-01	62	60	+5	E	2	0	*	68	53	0.20	
	Stockholm ...	29.61	58	2	0	0	29.59	-108	64	59	+1	E	2	0	*	70	53	—	
	Visby ...	29.67	58	2	2	0	29.63	-13	59	57	-3	SW	4	0	*	70	53	—	
	Bodö ...	29.53	60	2	2	0	29.56	-04	51	50	-11	W	2	0	1	66	48	0.04	
	Christiansund...	29.56	57	NW	3	0	29.80	+24	52	49	-5	N	2	0	2	59	48	0.43	
	Skudesnaes ...	29.64	56	NW	7	0	29.84	+20	53	53	-2	NW	0	0	4	63	54	—	
	Christiania Fjord (Færd)	29.50	60	SW	3	0	29.62	+12	59	53	0	NNW	3	0	2	63	57	0.24	
	Skagen (The Scaw)	29.52	58	W	3	0	29.60	+11	62	57	+3	NW	3	0	2	63	53	0.04	
	Fanö ...	29.74	59	W	6	0	29.87	+13	59	54	-2	NW	6	0	*	64	57	0.12	
BRITISH ISLANDS.	Sumburgh Head	29.84	53	NNW	3	0	29.94	+10	54	53	-1	NNW	1	0	3	59	47	—	
	Stornoway ...	29.94	52	NW	3	0	29.97	+3	55	54	-2	E	0	0	2	61	49	—	
	Wick ...	29.94	56	N	1	0	30.00	+6	57	53	0	N	2	0	1	62	45	0.02	
	Nairn ...	29.92	53	W	1	0	29.99	+7	53	53	-2	E	0	0	0	61	45	0.06	
	Aberdeen...	29.94	57	NNW	2	0	30.02	+8	58	53	+1	W	1	0	2	61	49	—	
	Leith ...	29.93	57	E	1	0	30.01	+8	56	53	-2	SW	1	0	*	68	51	0.07	
	Shields ...	29.94	57	E	2	0	30.01	+7	56	54	-1	NNW	1	0	2	64	53	0.15	
	Spurn Head ...	29.96	57	ENE	2	0	30.04	+8	60	57	0	NNW	2	0	3	64	53	0.02	
	York ...	29.97	61	W	1	0	30.05	+8	57	53	-1	W	1	0	*	70	48	0.11	
	Loughborough	30.02	61	W	2	0	30.08	+6	59	56	+3	W	1	0	*	65	47	0.21	
GERMANY.	Ardrossan ...	29.93	60	NNW	3	0	30.01	+18	57	53	-2	E	0	0	0	64	51	—	
	Malin Head ...	29.98	58	N	2	0	30.00	+12	57	53	+1	E	1	0	0	60	53	0.09	
	Mullaghmore...	30.02	59	NNW	4	0	30.02	+0	59	53	+2	SE	2	0	2	63	57	—	
	Belmullet ...	30.06	58	NNW	2	0	29.98	+0	56	53	-2	SE	3	0	*	61	51	—	
	Donaghadee ...	30.00	53	NNW	2	0	30.04	+4	57	56	-1	W	2	0	0	63	53	0.38	
	Barrow-in-Furness	29.96	60	NNW	3	0	30.01	+18	58	56	+1	NW	1	0	*	63	56	0.03	
	Liverpool (Bidston)	30.01	61	W	3	0	30.06	+5	60	56	+2	NNW	1	0	3	64	53	—	
	Holyhead ...	30.02	60	NNW	3	0	30.06	+4	60	57	+3	NW	1	0	2	65	54	—	
	Parsonstown ...	30.05	60	NW	2	0	30.06	+1	53	53	-2	E	0	0	*	67	47	—	
	Valencia ...	30.12	60	W	2	0	30.04	-02	58	57	-3	ENE	4	0	4	66	53	0.01	
FRANCE & NETHERLANDS.	Roche's Point...	30.08	63	NNW	3	0	30.10	+2	58	53	0	E	1	0	3	65	51	0.05	
	Pembroke ...	30.07	59	NNW	4	0	30.10	+3	58	56	+1	NNW	3	0	2	61	56	—	
	Scilly ...	30.13	62	W	2	0	30.13	+0	61	58	+1	SW	2	0	0	63	56	0.01	
	Prawle Point ...	30.13	60	W	5	0	30.16	+3	58	56	+1	ENE	1	0	0	61	51	—	
	Jersey ...	30.16	64	NNW	4	0	30.19	+3	60	56	-1	NNW	2	0	2	65	50	—	
	Hurst Castle ...	30.10	61	NNW	5	0	30.16	+6	57	57	-3	W	3	0	3	66	50	0.51	
	Dungeness ...	30.04	65	W	3	0	30.12	+8	58	53	-2	W	1	0	*	70	50	—	
	Oxford ...	30.09	57	NNW	2	0	30.12	+3	57	53	-1	NNW	2	0	*	67	50	0.02	
	Cambridge ...	30.02	58	W	1	0	30.11	+9	59	56	0	SW	1	0	*	67	45	0.04	
	Yarmouth ...	29.99	62	NNW	2	0	30.08	+9	58	56	0	W	2	0	2	66	50	0.03	
PENINSULA.	Cuxhaven ...	29.81	62	W	4	0	29.98	+17	61	58	+2	NNW	5	0	*	63	52	0.12	
	Berlin ...	29.93	62	NNW	6	0	30.04	+11	60	53	-4	NW	6	0	*	73	53	—	
	Wiesbaden ...	*	*	*	*	0	30.17	+15	57	54	-3	W	1	0	*	72	48	—	
	Munich ...	30.21	62	NW	3	0	30.25	+4	61	53	+2	NW	1	0	*	70	52	—	
	The Helder ...	29.99	61	NNW	2	0	30.06	+7	60	56	+1	W	1	0	1	63	57	—	
	Brussels ...	*	*	*	*	0	30.15	+18	57	53	-2	SW	2	0	*	71	54	—	
	Cape Gris Nez...	62	NNW	3	0	0	?	?	60	57	-1	W	3	0	3	64	57	—	
	Paris ...	30.15	68	W	3	0	30.21	+6	58	53	-3	E	0	0	*	76	46	—	
	Brest ...	?	64	NW	1	0	?	?	58	57	-1	E	0	0	1	68	54	—	
	Lorient ...	30.19	62	NNW	4	0	30.17	+0	60	57	-3	E	4	0	2	75	52	—	
Rochefort ...	30.13	61	W	1	0	30.16	+3	57	49	-2	E	1	0	*	66	46	—		
Belfort ...	30.12	69	NNE	1	0	30.18	+0	60	54	-2	E	1	0	*	76	54	—		
Lyons ...	29.95	77	SW	3	0	30.06	+11	66	64	-2	ENE	4	0	1	84	63	—		
Nice ...	30.08	76	E	1	0	30.10	+2	70	66	-2	E	0	0	*	90	61	—		
Perpignan ...	30.12	69	NNW	4	0	30.09	+0	65	62	+2	ENE	2	0	1	69	61	—		
Biarritz ...	30.12	69	NNW	4	0	30.09	+0	65	62	+2	ENE	2	0	1	69	61	—		
Corunna ...	*	*	*	*	0	30.12	+11	65	60	+1	N	3	0	?	79	61	—		
Lisbon ...	30.03	66	NNW	5	0	30.12	+9	65	60	+1	N	3	0	?	79	61	—		

WEATHER CHARTS

for 8 a.m. on

Thursday, 8th August,

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

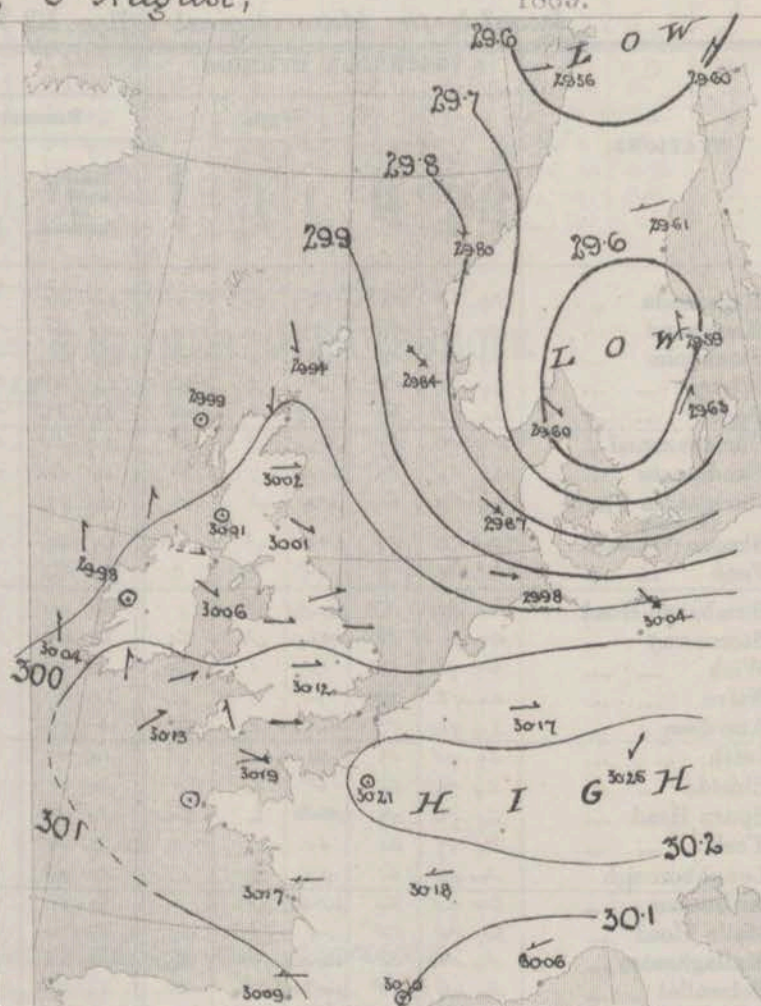
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Sally	29.938
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

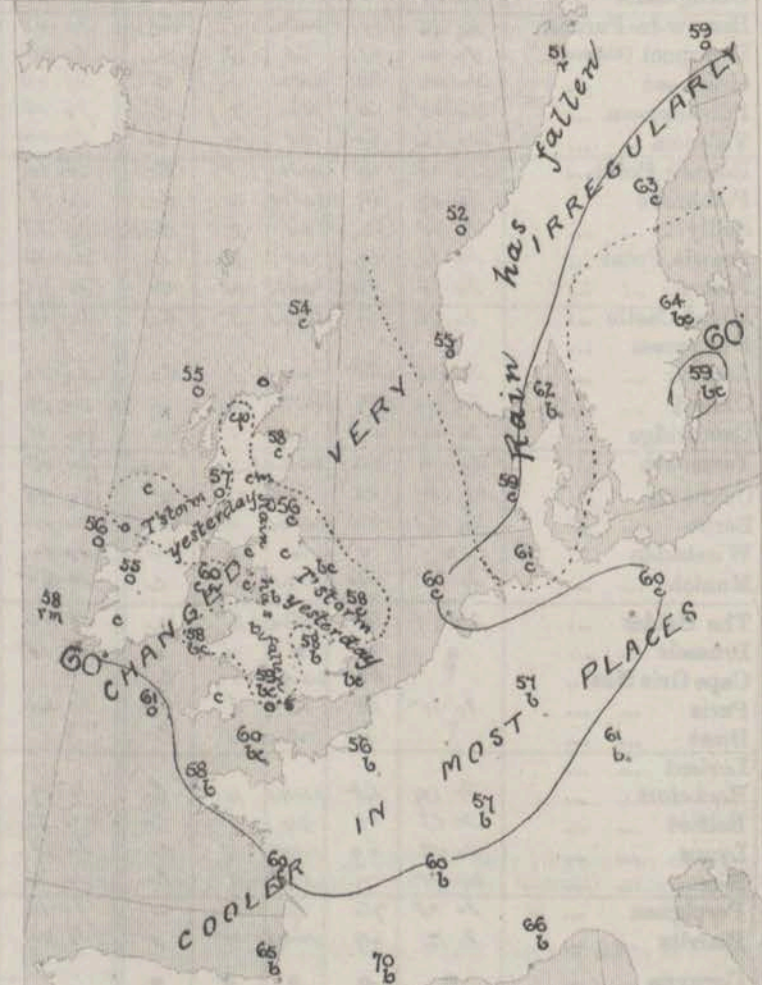
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway.....	58.0	49.0	55.2	53.3	3.57
Wick.....	61.1	48.5	55.2	53.2	2.35
Nairn.....	63.4	50.2	55.6	52.7	2.81
Aberdeen.....	63.1	50.2	56.7	53.6	3.13
Leith.....	65.8	51.4	57.6	54.6	2.62
Shields.....	63.6	52.3	57.5	54.9	2.81
York.....	68.1	51.4	58.0	55.3	2.47
Loughborough.....	70.5	52.1	59.9	57.4	2.61
Ardrossan.....	64.0	53.1	57.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	55.5	2.99
Holyhead.....	64.3	55.0	58.5	56.4	2.89
Liverpool.....	65.7	54.3	58.7	55.5	2.79
Parsonstown.....	66.2	51.7	57.6	55.7	3.48
Valencia.....	65.0	54.1	59.4	57.0	4.66
Roche's Point.....	66.6	53.9	59.0	56.4	3.59
Pembroke.....	63.7	55.8	58.9	56.6	2.91
Sally.....	64.9	57.2	61.1	59.0	2.45
Jersey.....	69.0	57.4	63.1	60.0	2.26
Hurst Castle.....	68.1	56.1	61.2	59.1	2.31
Dover.....	67.1	57.2	62.6	60.0	2.06
LONDON.....	71.8	53.7	61.4	57.8	2.20
Oxford.....	69.2	53.4	59.2	56.4	2.33
Cambridge.....	71.3	52.1	60.2	57.3	2.25
Yarmouth.....	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and upwards, over South Germany and Central France.
Lowest 29.6 ins. and less, in two depressions lying respectively over the north of Scandinavia & the south of Sweden.
Gradients rather steep over the eastern shores of the North Sea, but slight elsewhere.
Barometer rising generally, but falling again in Ireland, and also in the west of France.

TEMPERATURE

Highest 70° at Perpignan, 66° at Nice, 65° at Biarritz and Lisbon, 64° at Stockholm, and 63° at Hernösand.
Lowest 51° at Bodo, 52° at Christiansund, 54° at Lumburg Head, and 55° at Skudsmoes, Hordnøy, Naime & Persimstovoy.
The highest maxima registered over our Islands yesterday were 70° at York and in London, and 68° at Leth.

WIND

Light or moderate from the S^W or S^E in Ireland, but W² over England, and variable in Scotland.
Strong from the NW² on the eastern shores of the North Sea, light from the S² or S^W in Sweden.
Light or moderate from the E² in the south of France, and from the N² at Lisbon.

WEATHER

Dull in the extreme west and north of our Islands, and also in the west of Norway with rain at Bodo & Valancia.
Fair or fine in most other localities, but hazy at some of the English stations.
Showers fell yesterday in many places, and thunderstorms occurred in the east of England, as well as at Donaghadee.

SEA

Moderate at Skudsmoes and Valancia, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new fall of the barometer which has set in at the Irish stations seems to indicate the approach of another depression from the Atlantic. The centre of the disturbance will probably travel north-easterly across our Islands, and occasion a renewal of unsettled rainy weather in most parts of the Kingdom.

FORECASTS

For the 24 hours ending at NOON on 9TH AUGUST 1889.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | Variable breezes, finally SE ² or E ² , fair to unsettled, and some rain. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Same as No. 5. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | Wind backing to the S ^W and freshening, fine to unsettled, and some rain. |



DISTRICTS.

FORECASTS

- | | | |
|---|---------------|--|
| 6 | SCOTLAND WEST | SE ² winds, moderate or fresh; fair to unsettled, and some rain. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | S ² and S ^W ² winds, freshening; cloudy, some rain. |
| 9 | IRELAND NORTH | S ² to W ² winds, fresh or strong; squally, some rain. |
| 0 | 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.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.54	62	59	WNW 4	c	2	Holyhead ...	30.01	65	60	W 2	c	2
Sumburgh Head ...	29.77	58	53	N 4	c	4	Valencia ...	30.11	64	60	WNW 3	bc v	3
Stornoway ...	29.91	60	57	WNW 4	c	4	Scilly ...	30.12	63	60	WNW 4	bc	4
Aberdeen ...	29.89	60	53	WNW 3	cf	3	Jersey ...	30.16	63	59	W 5	bc	4
Shields ...	29.89	58	54	NE 2	c	3	Dungeness ...	30.01	66	60	W 7	bc	5
Ardrossan ...	29.91	64	59	WNW 4	bc	3	London ...	30.01	70	58	WNW 3	bc	*
Malin Head ...	29.95	60	58	NW 2	bc f	2	Yarmouth ...	29.94	66	60	WNW 4	bc	2
Mullaghmore ...	30.00	62	58	WNW 4	c	3	Rochefort ...	30.23	73	63	WNW 3	c	2
Belmullet ...	30.04	60	53	WNW 2	bc c	*							

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

The reports for yesterday morning showed that pressure varied from between 30.0 ins. and 30.2 in. in a high-pressure area lying over Spain, the Bay of Biscay, the western and central parts of France, and the southwest of our Islands to 29.5 ins. and less, in an elongated depression lying over Scandinavia, and to 29.6 ins. and less, in another smaller system lying over Finland. The gradients were somewhat steep over the Danish Peninsula and the Sound, moderate to slight elsewhere, and the barometer was rising except over Scandinavia, Finland and the northern parts of the Baltic. The wind was very variable over the Mediterranean and southern Europe, moderate from between W. and N in the British Islands, W⁴ in the Channel, SW⁴ over Denmark, and S⁴ over the Baltic; still further to the northward it was E⁴, and over Finland and Russia nearly calm. The weather was dull over Sweden, Norway and Denmark, with rain in places; in western Europe it was somewhat cloudy, with showers locally, but with a general tendency to improve, while over southwestern, southern, and eastern Europe it was fine and bright. Temperature remained high at many of the extreme southern stations, but was for the time of year low over northwestern Europe. The highest morning values were 88° at Annale, 84° at Aja, 82° at La Halle and Barcelona, 81° at Brindisi, 80° at Trieste, 79° at Baghara, 78° at Leghorn and Pesaro, 77° at Lania, 71° at Oporto, Turin, Loma and Naples; the lowest were 52° at Le Mans (where fog prevailed), 51° at Sumburgh Head, 54° at all stations in the North of Scotland, and at Holyhead and Parsonstown, 58° at Belmullet and Oxford, 59° at Brussels, Paris, Belfast, and 60° in London.

Later in the day passing showers fell in many parts of the British Islands, separated by bright intervals - the fall was heaviest in the south and east of England - and thunderstorms occurred at Cambridge and Yarmouth. The night was cold inland but fine.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for FRIDAY 9th AUGUST. 1889.

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

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.54	50	2	0	0	29.41	-19	55	55	-4	NNW	2	7	*	59	50	0.35	
	Hernösand ...	29.62	58	2	0	bc	29.61	0.0	56	51	-7	NNW	4	8	*	73	56	—	
	Stockholm ...	29.61	57	2	0	c	29.67	+0.8	57	52	-7	NNW	2	8	*	68	50	0.88	
	Wisby ...	29.63	59	ENE	4	bc	29.71	+0.8	60	58	+1	NNW	4	c	*	66	54	—	
	Bodö ...	29.67	51	2	0	0	29.58	+0.2	52	49	+1	SE	2	0	1	52	46	0.08	
	Christiansund...	29.80	53	WNW	5	f	29.77	-0.3	57	50	-1	W	5	7	2	55	48	0.20	
	Skudesnaes ...	29.90	54	NW	4	bc	29.88	+0.4	56	52	+1	NNW	4	c	2	57	46	—	
	Christiania Fjord (Farder)	29.69	62	NNW	2	c	29.76	+1.4	57	51	-2	NNE	2	c	2	63	53	—	
	Skagen (The Scaw)	29.68	59	NNW	2	c	29.75	+1.5	59	54	-2	NW	2	8	2	66	55	—	
	Fanc ...	29.94	57	W	5	c	29.92	+0.5	61	55	+2	NNW	4	8	*	64	53	—	
BRITISH ISLANDS.	Sumburgh Head	29.9	56	NNW	1	bc	29.85	-0.9	57	55	+2	SE	1	bc	2	59	48	—	
	Stornoway ...	29.88	59	E	2	bc	29.68	-2.1	57	57	+4	SE	2	0	2	61	54	—	
	Wick ...	29.96	56	SE	2	bc	29.77	-2.3	57	55	0	S	5	0	4	62	51	—	
	Nairn ...	29.90	60	ENE	1	c	29.72	-2.7	56	53	+1	E	1	cm	1	64	45	—	
	Aberdeen...	29.97	56	S	2	bc	29.81	-2.1	57	53	-1	S	2	c	2	60	52	0.09	
	Leith ...	29.92	56	SE	1	c	29.75	-2.6	55	54	-1	SE	1	7	*	62	52	0.37	
	Shields ...	29.94	57	S	2	c	29.81	-2.0	57	55	+1	S	2	7	2	63	54	0.32	
	Spurn Head ...	29.97	60	S	2	0	29.89	-1.5	57	56	-1	NNW	2	0	2	67	56	0.11	
	York ...	29.98	63	S	1	bc	29.87	-1.8	56	55	-1	S	2	7	*	68	54	0.04	
	Loughborough	29.99	66	NNW	2	c	29.90	-1.8	60	56	+1	ENE	2	c	*	72	54	—	
BRITISH ISLANDS.	Ardrossan ...	29.92	60	NNW	2	c	29.70	-2.1	59	52	+2	NNW	1	0	1	64	54	0.25	
	Malin Head ...	29.83	56	ENE	4	07	29.71	-2.9	56	54	-1	W	2	07	2	64	54	0.38	
	Mullaghmore...	29.81	58	SE	5	7	29.75	-2.7	57	55	-2	NNW	4	0	2	60	55	0.29	
	Belmullet ...	29.75	57	S	5	07	29.76	-2.2	56	53	0	NNW	2	0	*	59	53	0.77	
	Donaghadee ...	29.94	57	SEW	2	7	29.76	-2.8	52	57	+1	NNW	2	c	0	61	56	0.37	
	Barrow-in-Furness	29.96	59	SW	2	bc	29.77	-2.4	57	57	-1	S	4	7	*	63	54	0.32	
	Liverpool (Bidston)	30.00	60	NNW	1	0	29.82	-2.3	58	56	-2	ENE	2	0	4	66	53	0.04	
	Holyhead ...	29.95	58	SW	4	c	29.80	-2.6	58	58	-2	NNW	2	dm	2	64	55	0.46	
	Parsonstown ...	29.88	57	SE	2	7	29.80	-2.6	57	54	+2	W	0	0	*	60	54	0.18	
	Valencia ...	29.84	59	SW	7	7m	29.85	-1.9	57	57	+1	NNW	1	0	2	61	54	0.48	
BRITISH ISLANDS.	Roche's Point...	29.94	58	SW	5	7	29.84	-2.6	57	55	-1	W	2	cf	2	61	53	0.30	
	Pembroke ...	30.03	59	SW	4	c	29.84	-2.6	58	57	0	NNW	4	07	2	61	56	0.54	
	Scilly ...	30.05	61	SW	2	0	29.87	-2.6	60	57	-1	NNW	2	0	5	66	58	0.10	
	Prawle Point ...	30.10	59	NNW	2	c	29.92	-2.4	57	57	-1	S	4	07	2	62	53	0.11	
	Jersey ...	30.12	64	W	2	bc	30.02	-1.7	63	57	+3	SW	2	cm	2	68	51	—	
	Hurst Castle ...	30.02	62	W	4	bc	29.97	-1.9	60	59	+1	SW	6	c	2	66	58	0.01	
	Dungeness ...	30.05	63	NNW	5	bc	29.98	-1.3	61	57	0	W	4	c	2	69	58	—	
	London ...	30.03	65	SW	3	07	29.97	-1.5	61	56	+2	SW	2	c	*	71	52	—	
	Oxford ...	30.05	60	SW	2	0	29.94	-1.8	57	55	0	S	3	c	*	67	52	—	
	Cambridge ...	30.03	63	SW	1	c	29.94	-1.7	62	57	+2	SW	1	c	*	72	51	—	
GERMANY.	Yarmouth ...	30.01	65	S	1	bc	29.92	-1.5	60	58	+2	NNW	2	bc	2	66	55	—	
	Cuxhaven ...	30.01	59	NNW	2	c	29.98	0.0	59	58	-2	SW	1	m	*	64	57	—	
	Berlin ...	30.01	62	NNW	2	c	30.02	-0.01	57	55	-1	W	1	bc	*	70	54	—	
	Wiesbaden ...	*	*	*	*	*	30.06	-1.1	57	54	0	2	0	c	*	72	52	—	
	Munich ...	30.14	60	NNE	2	c	30.08	-1.7	62	59	+1	W	2	c	*	70	50	—	
	The Helder ...	30.04	61	W	1	c	29.96	-1.0	61	57	+1	SW	2	c	2	64	50	—	
	Brussels ...	*	*	*	*	*	30.04	-1.1	58	55	+1	NNW	2	c	*	71	54	—	
	Cape Gris Nez...	?	61	NNW	4	c	?	?	60	55	0	NNW	2	c	2	66	59	—	
	Paris ...	30.08	68	E	1	c	30.06	-1.5	57	54	+2	E	1	c	*	72	52	—	
	Brest ...	?	?	W	1	bc	?	?	62	60	+4	SW	2	0	4	70	53	—	
FRANCE & NETHERLANDS.	Lorient ...	30.12	63	NNW	2	c	30.08	-1.0	57	55	+2	NNE	1	c	2	68	54	—	
	Rochefort ...	30.10	69	NW	4	c	30.11	-0.06	62	62	+2	NNW	2	c	2	79	57	—	
	Belfort ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	
	Lyons ...	30.01	72	NNE	1	c	30.05	-1.2	62	56	+2	NNW	1	c	*	78	60	—	
	Nice ...	30.00	79	SE	2	c	29.95	-1.1	72	68	+7	E	1	c	0	81	64	—	
	Perpignan ...	29.98	72	E	1	bc	30.01	-0.09	76	66	+6	W	2	c	*	78	64	—	
	Biarritz ...	30.09	71	NNW	2	0	30.09	0.0	68	65	+3	?	2	0	0	75	65	—	
	Corunna ...	*	*	*	*	*	?	?	?	?	?	?	?	?	?	?	?	?	
	Lisbon ...	*	*	*	*	*	?	?	?	?	?	?	?	?	?	?	?	?	
	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	

For Explanation of Columns, see p. 4.

‡ Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on

Friday, 9th August,

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;

→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

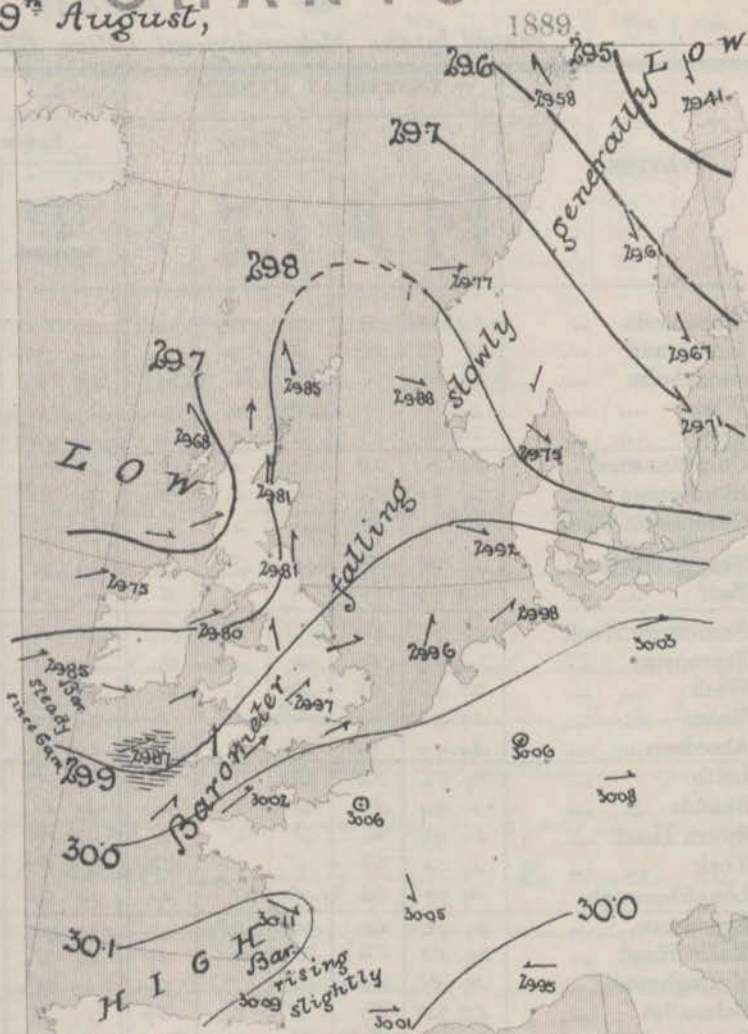
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
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York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
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Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M. WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

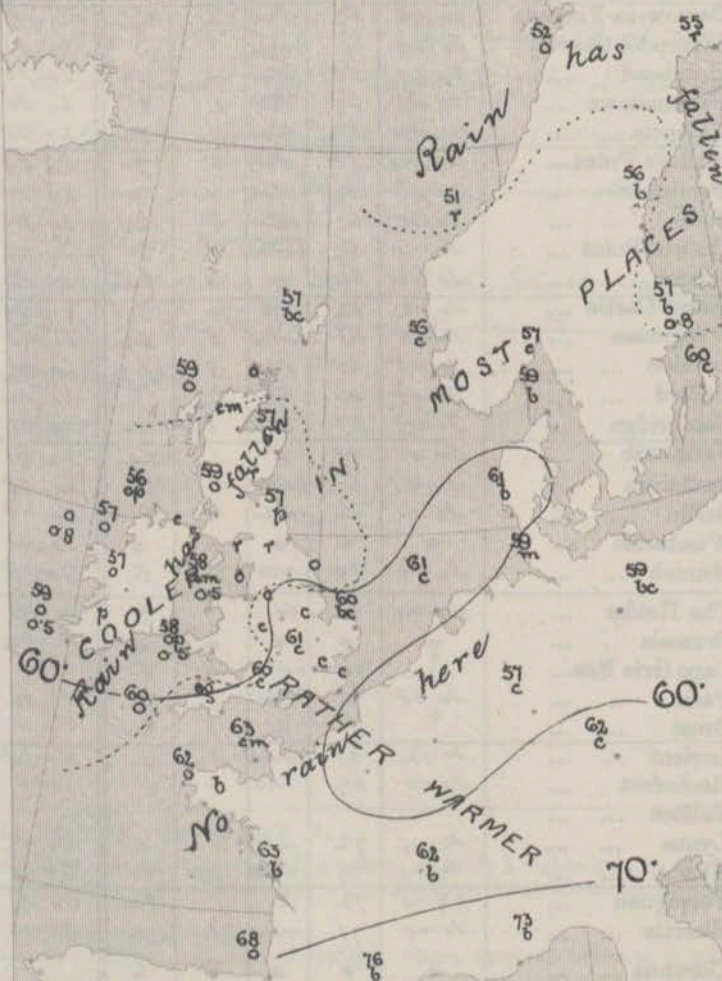
WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL. (For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick.....	61.1	48.0	55.2	53.2	2.35
Nairn.....	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith.....	65.8	61.4	67.6	64.6	2.62
Shields.....	63.5	52.3	67.5	64.9	2.81
York.....	68.1	61.4	68.0	65.3	2.47
Loughborough	70.5	62.1	69.9	67.4	2.61
Ardrossan	64.0	53.1	67.3	64.9	4.08
Donaghadee.....	61.8	52.0	67.0	65.5	2.99
Holyhead.....	64.3	55.0	68.5	66.4	2.89
Liverpool.....	65.7	54.3	68.7	65.5	2.79
Parsonstown	66.2	51.7	67.6	65.7	3.48
Valencia.....	65.0	54.1	69.4	67.0	4.65
Roche's Point.....	66.6	53.9	69.0	66.4	3.59
Pembroke.....	63.7	55.8	68.9	66.6	2.91
Scilly	64.9	57.2	67.1	69.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover.....	67.1	57.2	62.6	60.0	2.06
LONDON	71.8	53.7	61.4	67.8	2.20
Oxford.....	69.2	53.4	59.2	66.4	2.33
Cambridge.....	71.3	62.1	60.2	67.3	2.25
Yarmouth	66.4	55.1	60.8	67.9	2.17

NOTE—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. to 30.1 ins. over Germany, France, the Bay of Biscay and Spain.
 Lowest About 29.4 ins. over the eastern parts of Lapland - 29.7 ins. and less, off the west of Scotland.
 Gradients slight and variable - mainly favourable for S.W. to W. winds. Barometer now steady in the South of Ireland, falling over the United Kingdom as a whole, France and Germany, rising slightly in Denmark & the S. of Scandinavia.

TEMPERATURE

Highest 68° at Biarritz, 63° at Rochefort, 62° at Cambridge, 61° in London and at the Helder.
 Lowest 51° at Christiansund, 52° at Bodø, 55° at Haparanda and Leith, 56° at Helsingfors, 57° at Belmullet & Loughborough, 57° at Wiesbaden.
 Maxima of 68° to 72° were recorded over England yesterday, 75° to 79° over France, 81° at Nice.

WIND

Light to moderate from the NWnd over Scandinavia and Denmark.
 Light S.W. to W. over the British Isles, moderate to fresh S.W. in the Channel.
 Very light and variable in the South of France.

WEATHER

Fine at present at most of the Continental stations, cloudy and changeable in our Islands.
 Rain has fallen in the west, south and north, and appears to be spreading eastwards.

SEA

Rather rough at Scilly, moderate to slight on our western and northern coasts generally, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any material change.

FORECASTS

For the 24 hours ending at NOON on 10TH AUGUST 1889.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | } S.W. to S.W. breezes, light or moderate, changeable, rain at times. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | } S.W. to W. winds, moderate or fresh, changeable, rain at times, unsettled. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS

- | | | |
|---|---------------|--|
| 6 | SCOTLAND WEST | } Same as Nos 0. to 2. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | } Varying W. to S.W. winds, changeable, showery. |
| 9 | IRELAND NORTH | |
| 0 | 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.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.88	57	57	NW 7	C	4	Holyhead ...	30.03	60	56	SW 2	C	2
Sumburgh Head ...	29.95	56	55	NW 1	C	3	Valencia ...	29.92	61	57	S 6	PM	6
Stornoway ...	29.95	60	58	SE 2	C	2	Scilly ...	30.11	66	61	S 3	C	3
Aberdeen ...	30.00	60	56	S 2	CC	2	Jersey ...	30.15	67	60	WNW 3	CCM	3
Shields ...	29.78	56	56	SW 1	P	2	Dungeness ...	30.09	63	59	WNW 5	CC	3
Ardrossan ...	29.76	64	60	S 1	CC	0	London ...	30.07	68	59	W 2	CC	*
Malin Head ...	29.91	62	61	S 3	C	1	Yarmouth ...	30.05	66	62	SE 3	CC	3
Mullaghmore ...	29.93	56	53	SE 4	P	2	Rochefort ...	30.13	76	68	NW 3	C	2
Belmullet ...	29.86	56	56	SE 5	Q	*							

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

The reports for yesterday morning showed that while the highest pressures of all 30.2 ins. and upwards, were found in two small areas lying respectively over central France and the South of Germany, a large area of high readings 30.0 ins. and upwards, existed over nearly the whole of western and central Europe. The lowest readings 29.6 ins. and less, were found in two depressions, one of which lay over the North of Scandinavia, and the other over the South of Sweden. The wind was SE² in Ireland and Spain, and E² in the West of France, but W² over England, the Netherlands and Germany. On the eastern shores of the North Sea strong NW² breezes were reported, and over Sweden and the Baltic light SW² or S² breezes, but over Italy, the Mediterranean and eastern Europe the wind was very variable. The weather was fair on the whole, but dull in the extreme west and north of our Islands, the west of Norway and the North of Russia, as well as on the southern shores of the Baltic, with rain at Valencia, Bodø and Copenhagen. Temperature had fallen a few degrees over Central Europe, but changed very irregularly elsewhere; readings ranged from a little above 85° at some of the Algerian, and from a little above 80° at some of the Mediterranean stations to 55° or less, in the extreme North of our Islands and the west of Norway. The highest individual readings were 80° at La Caille and Nemours, 82° at Lesoir, 81° at Barcelona, Brindisi and Spaa, 79° at Baghiani and Malta, 78° at Sanguinaire, and 77° at Toulon, Nemours, Aras and Constantinople; the lowest 51° at Bodø, 52° at Christiansund, 54° at Sumburgh Head & Le Mans, and 55° at Skudesnaes, Stornoway, Naism and Parsonstown.

In the course of the day the barometer fell briskly in the west of our Islands and a large depression advanced to the Irish coast. The wind increased to a strong breeze or moderate gale from the S² in Ireland, with heavy rain, and showers were experienced in many parts of the Kingdom.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for SATURDAY 10TH AUGUST. 1889.

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

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 59° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.45	55	W	2	0	29.66	+2.5	57	52	+2	2	0	bc	+	57	48	0.12	
	Hernösand ...	29.62	56	NW	2	C	29.66	+2.5	54	48	-2	N	2	bc	+	70	54	—	
	Stockholm ...	29.69	59	SW	2	bc	29.71	+0.4	59	54	+2	NW	2	bc	+	68	50	—	
	Visby ...	29.76	60	NW	4	bc	29.75	+0.4	58	56	-2	WNW	2	0	+	64	53	—	
	Bodö ...	29.62	49	SW	2	0	29.58	0.0	47	46	-5	SW	4	7	2	54	46	0.08	
	Christiansund...	29.80	49	WNW	4	bc	29.75	-0.2	52	50	+1	WNW	6	0	2	54	48	0.08	
	Skudesnaes ...	29.82	54	NNW	6	bc	29.72	-1.6	57	54	+1	NNW	1	C	2	61	50	—	
	Christiania Fjord (Færder)	29.73	54	WSW	2	bc	29.71	-0.05	62	58	+5	S	2	0	2	63	50	—	
	Skagen (The Seaw)	29.74	57	NW	2	bc	29.73	-0.2	57	53	+2	W	2	bc	1	64	50	—	
	Fanö ...	29.84	58	2	0	7	29.72	-2.0	61	58	0	S	2	C	+	64	53	—	
BRITISH ISLANDS.	Sumburgh Head	29.80	56	SE	2	bc	29.75	-1.0	57	53	0	ENE	2	bc	2	61	52	—	
	Stornoway ...	29.66	58	W	2	0	29.65	-0.05	53	54	-4	2	0	C	2	60	49	0.03	
	Wick ...	29.70	58	SE	4	0	29.67	-1.0	58	57	+1	SE	4	0	4	62	53	0.20	
	Nairn ...	29.66	61	2	0	0	29.62	-1.0	56	53	0	2	0	0	1	62	53	0.08	
	Aberdeen...	29.72	55	SE	2	0.2 d	29.63	-1.8	53	54	-2	E	4	0.2 f	4	57	53	0.20	
	Leith ...	29.67	56	ENE	1	2	29.60	-1.5	54	52	-1	NW	1	7 m	+	64	49	0.09	
	Shields ...	29.69	57	SW	1	7	29.61	-2.0	53	53	-2	SW	2	bc	2	62	52	0.32	
	Spurn Head ...	29.73	59	S	2	7	29.69	-2.0	57	53	-2	W	2	0	2	66	53	0.28	
	York ...	29.78	60	S	1	7	29.67	-2.0	58	56	+2	W	2	C	+	62	51	0.38	
	Loughborough	29.76	57	SW	1	7	29.74	-1.6	54	53	-6	SW	2	0	+	62	50	0.42	
GERMANY.	Ardrossan ...	29.70	59	NNW	2	0	29.62	-0.8	56	53	-3	SW	1	C	0	62	45	—	
	Malin Head ...	29.71	59	NW	1	0.2 bc	29.62	-0.9	56	54	0	SW	2	0.2 f	2	61	52	0.13	
	Mullaghmore ...	29.74	57	WNW	2	0.2 f	29.61	-1.4	56	53	-1	SW	2	bc	2	59	50	0.73	
	Belmullet ...	29.76	59	W	4	0.2 f	29.56	-2.0	54	52	-2	SW	2	om	+	60	52	0.12	
	Donaghadee ...	29.71	58	SE	2	0	29.65	-1.1	56	53	-2	SW	2	0	0	63	54	0.30	
	Barrow-in-Furness	29.70	60	SW	2	bc	29.64	-1.2	57	54	0	SW	2	0	+	60	53	0.06	
	Liverpool (Bidston)	29.74	58	W	1	C	29.70	-1.2	53	52	-3	SW	1	0	2	61	52	0.31	
	Holyhead ...	29.76	59	SW	4	bc	29.68	-1.2	56	54	-2	WNW	2	Cg	2	65	52	0.02	
	Parsonstown ...	29.77	59	SW	2	bc	29.62	-1.8	54	52	-3	SE	1	0	+	62	48	0.03	
	Valencia ...	29.85	60	W	2	bc	29.53	-3.0	53	56	0	WNW	2	C	2	63	52	0.35	
FRANCE & NETHERLANDS.	Roche's Point...	29.81	61	NNW	2	bc	29.60	-2.4	56	53	-1	SW	4	Cf	4	62	52	0.35	
	Pembroke ...	29.81	60	WNW	4	bc	29.72	-1.2	58	54	0	SW	4	C	2	61	56	—	
	Scilly ...	29.88	62	W	4	bc	29.73	-1.4	63	60	+3	SW	6	0.2 f	5	63	56	0.02	
	Prawle Point ...	29.86	59	WNW	4	bc	29.81	-1.1	57	57	0	SW	3	Cg	2	59	54	0.10	
	Jersey ...	29.91	61	S	2	0	29.88	-1.4	57	57	-4	SW	5	0.2 f	4	65	57	0.34	
	Hurst Castle ...	29.83	59	WNW	7	7 bc	29.82	-1.5	60	60	0	WNW	5	C	2	62	58	0.21	
	Dungeness ...	29.86	62	W	4	C	29.82	-1.6	61	58	0	W	4	C	2	67	53	0.08	
	London ...	29.83	56	SW	2	0.2 f	29.80	-1.7	57	56	-4	W	1	0.2 f	+	66	52	0.12	
	Oxford ...	29.80	57	SW	4	f	29.78	-1.6	53	54	-2	SW	2	C	+	61	51	0.54	
	Cambridge ...	29.81	58	SW	1	7	29.77	-1.7	56	55	-6	SW	2	0	+	65	48	0.19	
PENIN-SULA.	Yarmouth ...	29.82	63	SW	2	C	29.75	-1.8	60	58	0	WNW	2	bc	2	67	52	0.08	
	Cuxhaven ...	29.83	60	NNW	1	bc	29.78	-2.0	58	57	-1	S	1	7	+	65	58	0.12	
	Berlin ...	29.83	66	2	0	bc	29.84	-1.9	63	57	+4	SW	2	C	+	72	59	—	
	Wiesbaden ...	29.85	66	2	0	bc	29.85	-1.7	62	57	+5	NW	1	bc	+	72	50	—	
	Munich ...	29.82	63	2	0	0	29.82	-0.6	62	58	0	SW	5	0	+	74	52	—	
	The Helder ...	29.86	61	SW	1	C	29.73	-2.3	60	57	-1	WNW	2	bc	2	66	57	0.32	
	Brussels ...	29.87	62	SW	4	0	29.87	-1.7	60	57	+2	WNW	2	C	+	69	56	0.28	
	Cape Gris Nez...	29.91	73	SW	3	C	29.98	-0.8	60	57	0	W	4	bc	4	68	57	0.04	
	Paris ...	29.91	63	NW	3	bc	29.98	-0.8	60	59	-2	W	3	bc	4	64	57	0.47	
	Brest ...	29.91	63	NW	3	bc	29.98	-0.8	60	59	-2	W	3	bc	4	64	57	0.47	
PENIN-SULA.	Lorient ...	29.92	72	SW	2	bc	29.89	-1.06	70	68	-3	W	2	bc	0	81	63	—	
	Rochefort ...	29.96	81	NW	2	C	29.96	0.0	70	61	-6	W	2	bc	+	91	62	—	
	Belfort ...	29.96	69	NNW	2	C	29.96	-0.06	65	60	-3	SW	2	bc	1	75	61	—	
	Lyons ...	29.92	72	SW	2	bc	29.89	-1.06	70	68	-3	W	2	bc	0	81	63	—	
	Nice ...	29.92	72	SW	2	bc	29.89	-1.06	70	68	-3	W	2	bc	0	81	63	—	
	Perpignan ...	29.96	81	NW	2	C	29.96	0.0	70	61	-6	W	2	bc	+	91	62	—	
	Biarritz ...	29.96	69	NNW	2	C	29.96	-0.06	65	60	-3	SW	2	bc	1	75	61	—	
PENIN-SULA.	Corunna ...	29.96	69	NNW	2	C	29.96	-0.06	65	60	-3	SW	2	bc	1	75	61	—	
	Lisbon ...	29.96	69	NNW	2	C	29.96	-0.06	65	60	-3	SW	2	bc	1	75	61	—	

For Explanation of Columns, see p. 4.

‡ Received too late for insertion in Chart on p. 2.

WEATHER CHARTS

for 8 a.m. on

Saturday, 10th August,

1889

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;
— forces 5 to 7; — forces 1 to 4.
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

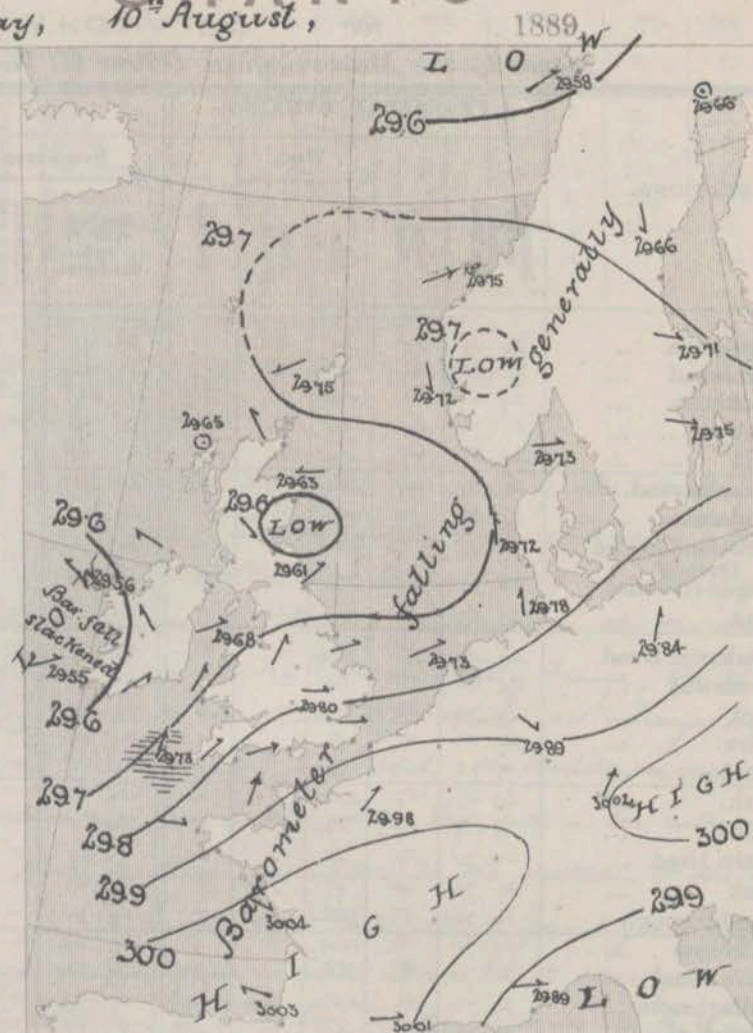
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.907
Loughborough	29.926
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.905
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Sally	29.958
Jersey	29.976
Hurst Castle	29.980
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M. WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

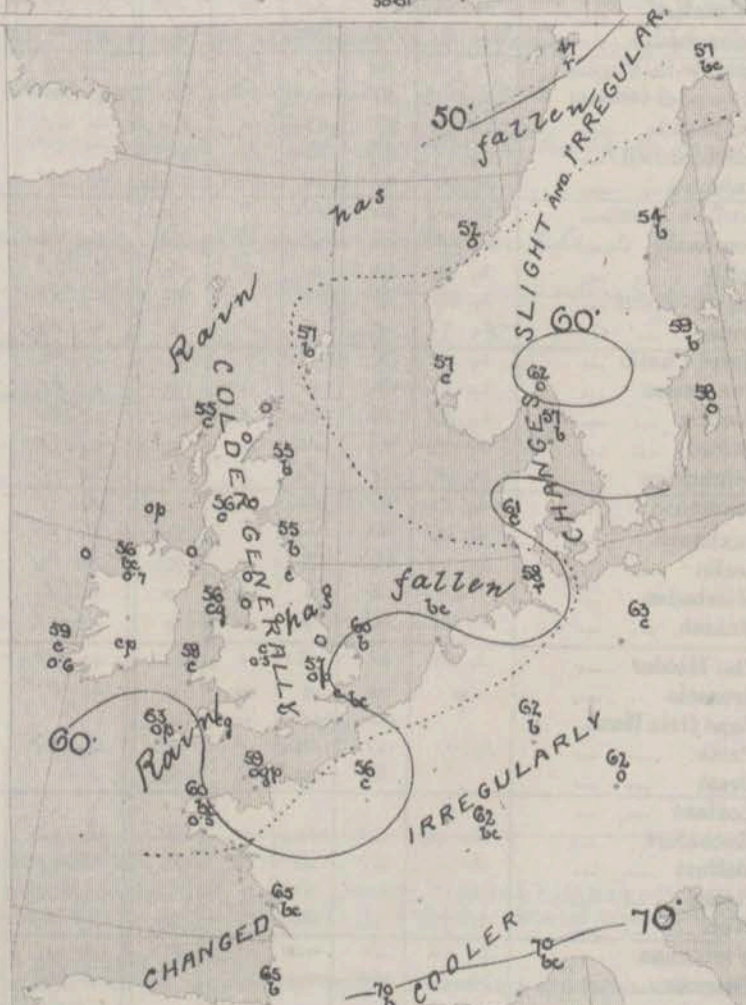
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.0	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.6	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	53.5	2.09
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Sally	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

NOTE—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.13 ins. to 3000 ins. over the Spanish Peninsula & the west of France, 3000 ins. and more, over South Germany.
 Lowest 29.6 ins. and less in Lapland in a small depression near Leith, and in a larger one off the west of Ireland.
 Gradients moderate in the South, slight and variable in the North.
 Barometer falling over the United Kingdom, rising a little over France. The fall at Valen. has slackened.

TEMPERATURE

Highest 70° at Perpignan and Nice, 65° at Biarritz and Rochefort, 63° at Berlin and Scilly.
 Lowest 47° at Bodo, 52° at Christiansund, 54° at Hermand, Leith, Belmullet and Netherborough.
 The daily maxima recorded over England yesterday ranged between 60° and 67°.

WIND

Mainly SW^{ly} over northwestern Europe, as a whole, and light to moderate in force. At Scilly and Christiansund, however, it is strong.
 Over the northern part of Ireland and Scotland it is SE^{ly} & E^{ly}, but light.

WEATHER

Fine over Spain and the southern part of France, as well as at some of the more northern of the Continental stations. In our Islands it is cloudy and changeable, with showers in several places.
 Rain has fallen very generally since yesterday.

SEA

Rather rough at Scilly, moderate in the English Channel, and at some of our northern stations, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is still no indication of any important change.

FORECASTS

For the 24 hours ending at NOON on 11TH AUGUST 1889.

DISTRICTS.



FORECASTS.

- | | | | |
|---|------------------|---|--|
| 0 | SCOTLAND NORTH | } | SE ^{ly} and variable airs, cloudy, changeable, rain at times. |
| 1 | SCOTLAND EAST | | |
| 2 | ENGLAND N.E. | } | W ^{ly} to S ^{ly} breezes, light or moderate; mild, unsettled, rain at times. |
| 3 | ENGLAND EAST | | |
| 4 | MIDLAND COUNTIES | | |
| 5 | ENGLAND SOUTH | | |

DISTRICTS.

FORECASTS

- | | | | |
|----------|---------------|---|---|
| 6 | SCOTLAND WEST | } | SE ^{ly} to S ^{ly} winds, changeable, cloudy, showery. |
| 7 | ENGLAND N.W. | | |
| 8 | ENGLAND S.W. | Same as No. 10. | |
| 9 | IRELAND NORTH | Same as Nos. 6. and 7. | |
| 10 | IRELAND SOUTH | Wind varying between W. and S. moderate, showery. | |
| 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.	Dry.	Wet.	Wind.	Wen.	Sea.		Bar.	Dry.	Wet.	Wind.	Wen.	Sea.
Skudesnæs ...	29.85	61	55	WNW 4	C	2	Holyhead ...	29.79	61	58	NW 1	C	2
Sumburgh Head ...	29.83	59	56	SE 2	C	2	Valencia ...	29.86	62	59	WNW 2	CCp	2
Stornoway ...	29.65	58	58	S 2	O	2	Scilly ...	29.88	63	60	W 4	C	5
Aberdeen ...	29.76	59	56	SE 2	O p	2	Jersey ...	29.97	60	59	SW 2	T	2
Shields ...	29.74	60	58	S 2	C	2	Dungeness ...	29.92	65	59	SW 4	C	2
Ardrossan ...	29.72	61	59	NW 2	O	2	London ...	29.88	66	58	SW 2	O p	2
Malin Head ...	29.72	61	59	WNW 2	C p	2	Yarmouth ...	29.87	66	62	SW 2	CC	2
Mullaghmore ...	29.75	59	55	WNW 2	O p	2	Rocheport ...	30.10	71	64	WNW 4	C	2
Belvalet ...	29.76	60	55	W 2	O	*							

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

The reports for yesterday morning showed that pressure exceeded 30 ins. over southeastern, central and southwestern Europe, and that in the western parts of Spain it exceeded 30.1 ins. To the northwards, however, readings decreased to about 29.4 ins. in a depression near the northern extremity of the Gulf of Bothnia, and to 29.7 ins. and less, in another disturbance which had advanced to our northwestern coast from the Atlantic during the night. Thus while the wind was extremely light and variable over the southern half of the continent, it was mainly SW^{ly} (S. to W.) over the British Islands and North Sea, and varied between NW. and SW. over Scandinavia, Finland and the Baltic. Weather was fine in the southwestern, southern, eastern and central parts of Europe, changeable in the North and Northwest, and very showery over the United Kingdom. Temperature was high (80° and more) at many of the Algerian and Mediterranean stations, but was below 60° in the west and north of the British Isles and over northern Europe generally, as well as at many stations over Germany and Central France. The highest morning values were 88° at Aumale, 84° at La Calle and Bimdisi, 83° at Barcelona, 82° at Palma, 81° at Palermo, 80° at Algiers and Baghara, 79° at Constantinople & Lesina, 78° at Leyhorn, and 76° at Perpignan; the lowest were 51° at Christiansund, 52° at Bodo, 55° at Noparanda, and also at Münster, Prague and Bracow, and 56° to 59° in many other places.

Showery weather continued very prevalent over Northwestern Europe during the day, and towards night a new depression began to approach Ireland from the Atlantic.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for SUNDAY 11TH AUGUST. 1889.

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

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.55	56	X	0	C	29.60	-0.06	58	56	+1	SW	2	C	*	64	50	—	
	Hernösand ...	29.68	54	X	0	C	29.68	+0.02	55	51	+1	X	0	C	*	68	48	—	
	Stockholm ...	29.71	59	X	0	O	29.69	-0.02	66	58	+7	ENE	2	C	*	66	52	—	
	Wisby ...	29.74	58	S	2	C	29.70	-0.05	60	58	+2	SE	4	C	*	64	53	—	
	Bodö ...	29.62	49	SW	2	C	29.65	+0.07	50	47	+3	SW	2	C	1	50	43	0.08	
	Christiansund...	29.75	52	NNE	2	C	29.68	-0.07	50	48	-2	E	2	C	1	54	45	—	
	Skudesnaes ...	29.67	53	X	0	C	29.62	-0.10	57	53	0	ENE	1	C	2	63	46	—	
	Christiania Fjord (Farder)	29.69	57	S	4	C	29.64	-0.07	61	58	-1	ENE	4	C	2	63	59	—	
	Skagen (The Scaw)	29.67	60	S	1	C	29.59	-0.14	59	57	+2	SW	1	O	1	66	55	0.28	
	Fanö ...	29.67	59	WSW	6	C	29.61	-0.11	53	57	-2	S	4	C	*	?	53	0.16	
BRITISH ISLANDS.	Sumburgh Head	29.74	57	NE	2	bc	29.69	-0.06	54	53	-3	NNE	2	C	3	60	52	—	
	Stornoway ...	29.65	59	E	4	bc	29.72	+0.07	57	54	+2	NE	5	C	4	60	52	0.05	
	Wick ...	29.70	56	ENE	3	bc	29.70	+0.03	53	53	-3	E	2	O	2	58	51	0.03	
	Nairn ...	29.61	56	NE	3	C	29.66	+0.04	56	53	0	ENE	3	O	2	57	53	0.22	
	Aberdeen...	29.61	54	E	5	bc	29.63	0.00	57	52	-2	NE	4	O	5	58	52	1.22	
	Leith ...	29.60	54	NW	1	C	29.59	-0.01	54	52	0	W	2	C	*	63	48	0.27	
	Shields ...	29.59	57	S	1	C	29.53	-0.08	52	52	-3	X	0	C	2	61	51	0.47	
	Spurn Head ...	29.63	59	SW	3	bc	29.52	+0.17	59	56	+2	ENE	2	C	3	64	53	0.04	
	York ...	29.62	61	NW	1	C	29.53	-0.14	55	53	-3	NNW	1	O	*	66	51	0.34	
	Loughborough	29.66	57	SW	1	C	29.54	-0.20	54	53	0	W	1	O	*	67	51	0.13	
GERMANY.	Ardrossan ...	29.56	58	SW	2	O	29.59	-0.03	57	55	+1	NE	1	O	1	62	52	0.04	
	Malin Head ...	29.56	56	ENE	2	C	29.62	0.00	54	54	-2	NE	3	O	2	57	54	0.45	
	Mullaghmore ...	29.55	54	NNE	2	C	29.61	0.00	57	55	+1	NE	1	C	1	63	50	0.31	
	Belmullet ...	29.56	57	NE	3	O	29.61	+0.05	57	53	+3	SE	2	O	*	63	53	0.12	
	Donaghadee ...	29.56	57	S	3	bc	29.58	-0.07	57	53	+1	NNE	4	C	2	63	53	0.01	
	Barrow-in-Furness	29.55	59	E	2	bc	29.51	-0.13	55	53	-2	NE	1	O	*	60	54	0.02	
	Liverpool (Bidston)	29.58	58	SE	1	C	29.54	-0.16	56	53	+1	NW	1	O	3	65	52	0.18	
	Holyhead ...	29.53	57	ENE	3	bc	29.55	-0.13	58	55	+2	X	0	C	0	64	50	0.02	
	Parsonstown ...	29.51	54	X	0	C	29.63	+0.13	53	52	-1	X	0	C	*	62	46	0.28	
	Valencia ...	29.48	58	W	3	C	29.71	+0.16	57	56	0	NW	3	C	4	61	53	0.21	
FRANCE & NETHERLANDS.	Roche's Point...	29.53	58	SW	4	bc	29.64	+0.04	56	52	0	NNW	4	C	3	64	50	0.12	
	Pembroke ...	29.53	59	SW	4	C	29.55	-0.17	56	53	-2	SW	1	C	2	59	53	0.35	
	Scilly ...	29.63	60	WSW	5	C	29.59	-0.14	59	57	-4	NW	5	C	5	66	52	0.29	
	Prawle Point ...	29.66	57	SW	4	bc	29.53	-0.28	55	53	-2	WSW	3	C	3	62	55	0.10	
	Jersey ...	29.74	65	WSW	2	O	29.57	-0.31	57	57	0	SW	6	C	4	66	57	0.02	
	Hurst Castle ...	29.69	60	SW	6	C	29.54	-0.28	52	52	-8	NW	3	C	2	66	52	0.32	
	Dungeness ...	29.72	62	SW	4	C	29.53	-0.29	57	56	-2	W	4	C	4	66	55	0.16	
	London ...	29.67	62	SW	1	C	29.54	-0.26	56	54	-1	SW	1	C	*	68	50	0.01	
	Oxford ...	29.63	57	S	3	O	29.54	-0.24	51	50	-4	S	1	C	*	66	47	—	
	Cambridge ...	29.65	64	S	1	C	29.52	-0.25	57	54	+1	SW	1	C	*	69	49	—	
PENINSULA.	Yarmouth ...	29.67	64	SW	3	C	29.52	-0.23	57	55	-3	SW	1	C	2	66	53	0.14	
	Cuxhaven ...	29.77	59	W	2	C	29.65	-0.13	57	56	-1	S	2	C	*	65	57	0.12	
	Berlin ...	*	*	*	*	*	29.74	-0.15	58	56	-4	X	0	O	*	72	54	0.08	
	Wiesbaden ...	*	*	*	*	*	29.74	-0.28	58	58	-4	SW	1	C	*	72	52	0.04	
	Munich ...	29.96	61	NE	1	C	29.74	-0.28	58	58	-4	SW	1	C	*	72	52	0.04	
	The Helder ...	29.72	60	S	1	C	29.53	-0.20	57	56	-3	S	1	C	2	64	57	0.12	
	Brussels ...	*	*	*	*	*	29.59	-0.28	57	56	-3	WSW	3	C	*	69	55	0.08	
	Cape Gris Nez...	?	60	SW	3	C	?	?	60	53	0	WSW	3	C	3	66	53	0.16	
	Paris ...	29.80	67	SW	2	C	29.70	-0.28	58	55	+2	SW	3	C	*	77	56	0.32	
	Brest ...	?	62	SW	5	O	?	?	58	55	-2	NNW	4	C	5	63	55	0.12	

WEATHER CHARTS

for 8 a.m. on

Sunday, 11th August,

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;

→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

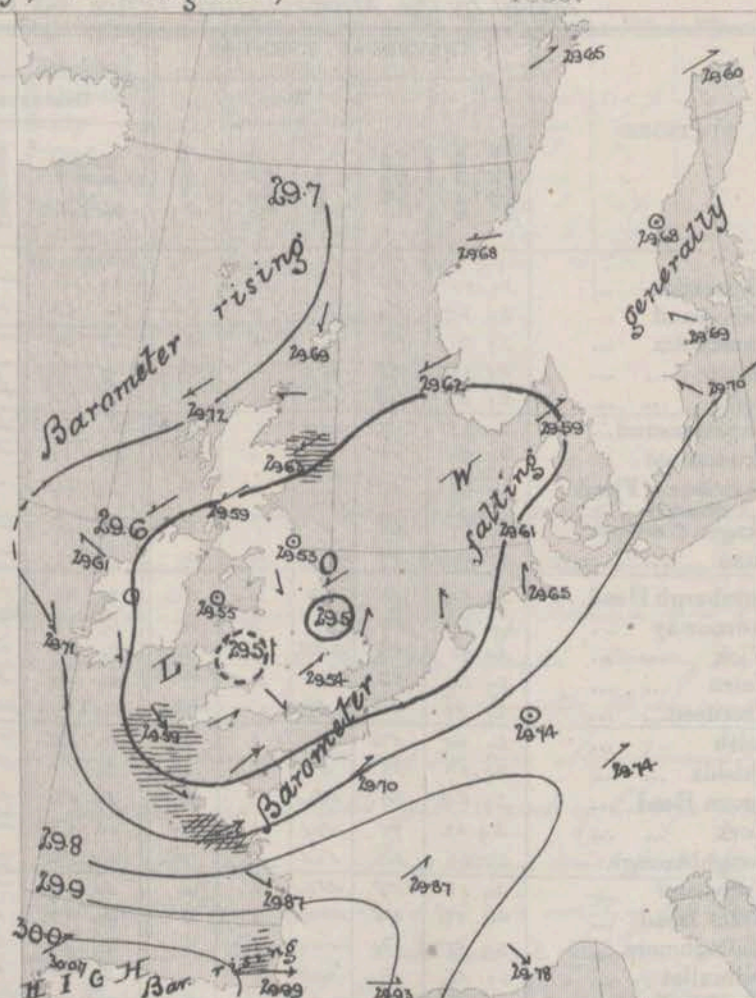
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.880
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Sailly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

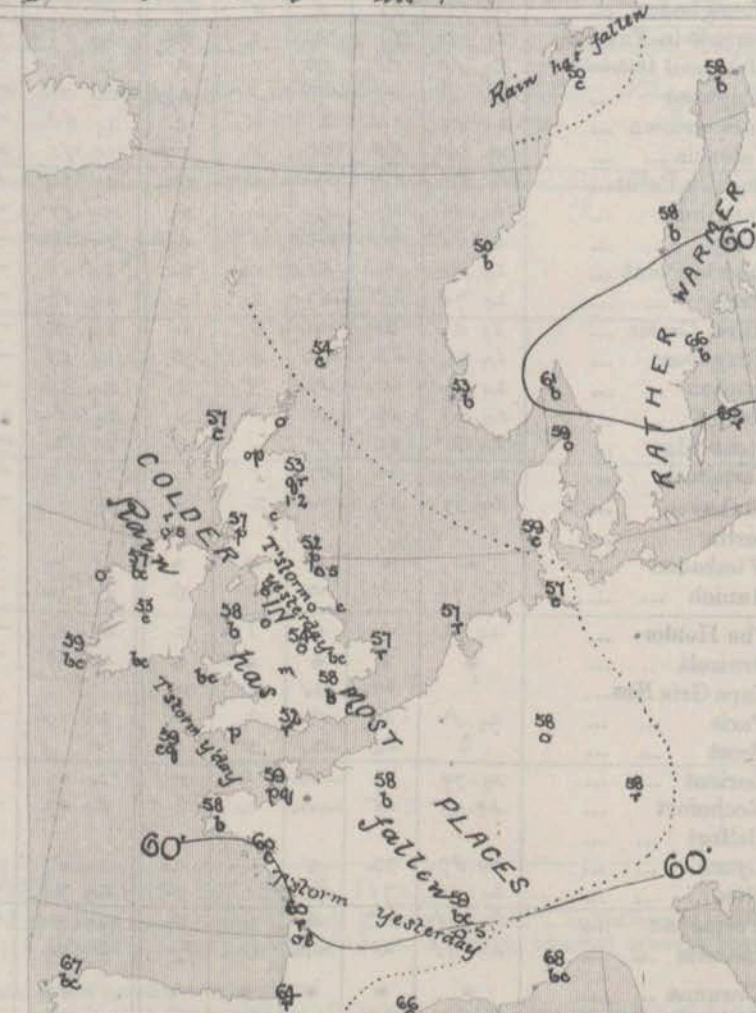
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet, at 8 a.m.	
Sumburgh Head	57.9	48.5	53.8	52.0	3.21
Stornoway	58.6	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	55.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.0	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Sailly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.5	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1868-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest 30.1 ins. and upwards, over the South of Portugal. Lowest 29.6 ins. and less in a large and complex depression lying over England and the North Sea. Gradients moderate over France and the Bay of Biscay, but slight elsewhere. Barometer falling at all but the Irish and Scotch stations.
TEMPERATURE	Highest 68° at Nice, 67° at Corunna, 66° at Stockholm and Perpignan, 65° at Biarritz, 64° at Færøer, & 60° at Whiby Lorient & Rochefort. Lowest 50° at Bodo and Christiansund, 51° at Bayford, 52° at Shields and Hurst Castle, and 53° at Aberdeen and Parsonstown. The highest maxima registered over our Islands yesterday were 69° at Cambridge, 68° in London, and 67° at Loughborough.
WIND	Light or moderate from the E. or N.E. over the northern parts of our Islands, and the west of Norway. Moderate from N.W. on our extreme southwest coasts, strong from W. in the west and north of France. Light from S.W. in Belgium from S. in Holland and Denmark, and from S.E. in the south of Sweden.
WEATHER	Fine in Norway, the South of Ireland and the central and southern parts of France. Cloudy or overcast elsewhere, with showers in many parts of our Islands, and steady rain in the southwest of France. Rain fell generally yesterday, the largest amounts being 1.2 ins. at Aberdeen, 0.8 ins. at Rochefort, and 0.5 ins. at Shields, Malin Head and Lyons. Thunderstorms occurred in some parts of England and France.
SEA	Rather rough in the Bay of Biscay and at the Mouth of the Channel, as well as at Aberdeen.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 12TH AUGUST 1889.

DISTRICTS.

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

FORECASTS.

NONE ISSUED

DISTRICTS.

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

WARNINGS

FORECASTS

NONE ISSUED

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.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudegnæs ...	29.69	62	57	WNW 4	8	2	Holyhead ...	29.63	57	55	S 4	on fog	4
Sumburgh Head ...	29.76	59	56	NE 2	6C	3	Valencia ...	29.50	60	56	SW 5	6C	5
Stornoway ...	29.64	57	58	E 3	0	3	Scilly ...	29.53	63	57	WNW 5	6C	6
Aberdeen ...	29.63	56	55	E 5	0 7 9	5	Jersey ...	29.81	64	60	SW 3	0 9	3
Shields ...	29.61	57	56	WNW 2	0	2	Dungeness ...	29.78	61	59	SW 5	6	4
Ardrossan ...	29.58	60	57	SW 2	C	1	London ...	29.73	65	59	SW 3	6C	*
Malin Head ...	29.60	57	55	ENE 2	C	1	Yarmouth ...	29.75	62	58	S 4	6C	3
Mullaghmore ...	29.57	59	53	ENE 4	C	2	Rochefort ...	29.98	66	65	WNW 5	f	3
Belmullet ...	29.53	57	55	ENE 3	0	*							

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

The reports for yesterday morning showed that pressure was highest, 30.1 ins. and upwards, over Portugal but high, 30.0 ins. and upwards, over the South of Russia. The lowest pressures 29.5 ins. and less, were found over Lapland and the extreme North of Russia, but a large depression with readings below 29.6 ins. was advancing over Ireland from the westward, while a small shallow disturbance with similarly low readings was lying near the mouth of the Firth of Forth. The wind was moderate or fresh from the SWnd over the southern parts of the United Kingdom and also in the west of Norway, light from SE in the north of Ireland, and moderate from the End in the north and east of Scotland, were reported, and in Russia light Wth breezes, while over the Mediterranean and southern Europe the wind was very variable. The weather was fine in all the more southern countries, as well as in Sweden and the east of England, but cloudy or overcast elsewhere with showers in the east of Scotland and the southwest of our Islands, steady rain at Lomborg, and a thunderstorm at Hermannstadt. Temperature had risen a little in Germany, as well as at some of the Russian and Austrian stations, but fallen elsewhere; readings ranged from a little above 80° over Algeria and the extreme South of Italy to a little below 55° at some of our own western and northern stations, and to slightly below 50° in the North of Norway. The highest individual readings were 83° at Malta, 82° at Brindisi, Genoa and La Caille, 81° at Barcelona and Aurnale, 79° at Constantinople, and 78° at Nemours and Palermo; the lowest were 47° at Bodø, 52° at Christiansund, 54° at Hermsand, Leith, Belmullet, Parsonstown and Loughborough, and 55° at Stornoway, Shields, Liverpool and Oxford.

In the course of the day the depression over Ireland spread eastward over the United Kingdom, and heavy rain fell in many places, with thunderstorms in some parts of England and France.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for MONDAY 12TH AUGUST. 1889.
 Issued by the Meteorological Office, 63 Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						6 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sec. (0 to 9.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ..	29.63	53	5	2	c	29.70	+1.10	55	51	-3	X	0	c	*	*	63	50	—
	Hernösand ...	29.70	52	2	0	c	29.69	+1.01	57	53	+2	NE	2	o	*	*	66	46	—
	Stockholm ...	29.67	59	2	2	o	29.54	-1.15	61	57	-5	E	4	o	*	*	72	54	—
	Wishby ...	29.67	57	5	4	c	29.72	-1.28	59	57	-1	ESE	4	T	*	*	66	54	0.71
	Bodö ...	29.65	50	2	0	c	29.63	+1.28	55	49	+5	E	2	c	1	*	59	45	—
	Christiansund...	29.65	53	NNE	2	c	29.68	0.03	53	50	+3	SEW	1	F	1	*	55	46	—
	Skudesnaes ...	29.62	57	NNW	2	c	29.58	-0.04	57	53	0	NNW	6	c	3	*	66	50	—
	Christiania Fjord (Færder)	29.61	62	SE	2	c	29.52	-1.12	58	56	-2	NNE	3	o	2	*	64	57	—
	Skagen (The Scaw)	29.56	61	SEW	1	c	29.43	-1.15	60	56	+1	E	3	o	2	*	64	57	—
	Fanö ...	29.49	56	E	4	T	29.42	-1.18	56	53	-3	E	1	T	*	*	66	54	0.28
BRITISH ISLANDS.	Sumburgh Head	29.72	55	NNE	2	c	29.75	+0.06	55	54	+1	NW	1	c	2	*	58	51	0.02
	Stornoway ...	29.80	58	NE	4	c	29.86	+1.14	54	53	-3	X	0	T	2	*	60	44	—
	Wick ...	29.57	54	N	2	o	29.80	+1.10	55	52	0	N	3	o	1	*	60	48	0.02
	Nairn ...	29.76	56	NE	2	o	29.83	+1.17	54	51	-2	NNW	3	o	2	*	60	51	0.03
	Aberdeen...	29.72	53	NNE	4	c	29.80	+1.17	54	51	+1	NW	3	c	3	*	58	50	0.05
	Leith ...	29.72	54	NNE	1	T	29.82	+1.23	56	50	+2	NW	1	cm	*	*	61	57	0.05
	Shields ...	29.59	57	N	3	o	29.71	+1.18	53	51	+1	N	4	c	5	*	59	51	0.20
	Spurn Head ...	29.54	59	N	4	c	29.63	+1.11	57	56	-2	N	6	o	5	*	64	54	0.88
	York ...	29.57	55	NNE	1	T	29.71	+1.18	54	52	-1	N	3	o	*	*	66	52	0.36
	Loughborough	29.58	56	2	0	o	29.73	+1.19	54	52	0	NW	3	ow	*	*	66	52	0.09
GERMANY.	Ardrossan ...	29.69	57	NE	4	o	29.86	+1.27	57	52	0	NNW	3	c	2	*	61	50	—
	Malin Head ...	29.72	57	NNE	4	c	29.91	+1.29	57	58	+1	N	4	c	4	*	59	54	0.05
	Mullaghmore ...	29.72	61	N	5	c	29.94	+1.23	57	53	0	NNW	5	c	3	*	62	54	—
	Belmullet ...	29.56	57	NE	3	o	29.89	+1.28	57	53	0	NNE	3	c	*	*	62	53	—
	Donaghadee ...	29.68	58	NE	4	c	29.88	+1.20	56	54	-1	NNW	4	c	2	*	62	53	—
	Barrow-in-Furness	29.57	59	N	1	o	29.82	+1.31	55	52	0	NNW	3	om	*	*	60	55	0.02
	Liverpool (Bldston)	29.61	53	NNW	2	c	29.80	+1.26	56	51	0	N	2	c	4	*	63	53	0.07
	Holyhead ...	29.63	59	NNW	3	c	29.83	+1.28	57	53	-1	NNW	4	c	3	*	60	53	—
	Parsonstown ...	29.70	58	2	0	o	29.93	+1.30	55	53	+2	X	0	c	*	*	67	52	0.15
	Valencia ...	29.69	61	N	3	c	29.98	+1.27	57	56	0	N	2	o	2	*	63	55	0.01
FRANCE & NETHERLANDS.	Roche's Point...	29.71	58	SE	3	T	29.91	+1.27	58	53	+2	N	2	c	3	*	64	52	0.10
	Pembroke ...	29.66	58	NNW	3	c	29.82	+1.27	58	54	+2	NNW	4	c	2	*	60	54	—
	Scilly ...	29.73	60	NNW	5	c	29.83	+1.24	57	58	0	NNW	4	o	4	*	61	55	—
	Prawle Point ...	29.67	58	NNW	4	c	29.77	+1.24	57	53	+2	NNW	3	c	2	*	63	49	0.03
	Jersey ...	29.71	62	NNW	5	c	29.78	+1.21	61	57	+2	NW	4	c	4	*	64	57	0.09
	Hurst Castle ...	29.63	62	NNW	5	c	29.74	+1.20	56	55	+4	NNW	3	om	2	*	64	50	0.06
	Dungeness ...	29.56	58	NW	3	c	29.66	+1.13	56	54	-3	NW	2	c	2	*	64	48	0.17
	London ...	29.57	61	N	1	c	29.69	+1.15	54	53	-2	NW	1	T	*	*	64	48	0.18
	Oxford ...	29.63	58	NW	2	o	29.73	+1.15	55	53	+4	NW	3	o	*	*	66	51	0.08
	Cambridge ...	29.59	58	NW	1	c	29.62	+1.10	54	53	-3	NW	1	o	*	*	69	50	0.14
PENINSULA.	Yarmouth ...	29.53	61	2	0	c	29.56	+1.04	55	54	-2	NNW	2	T	2	*	62	51	0.47
	Cuxhaven ...	29.51	58	SW	4	T	29.48	-1.17	57	56	0	SW	4	c	*	*	65	56	0.12
	Berlin ...	29.56	50	N	1	T	29.55	-0.06	58	58	0	W	4	o	*	*	73	54	1.22
	Wiesbaden ...	*	*	*	*	*	29.68	-0.06	58	54	0	SW	4	c	*	*	66	52	0.98
	Munich ...	29.82	56	SW	2	c	29.85	+1.11	58	52	0	NNW	6	c	*	*	63	48	0.39
	The Helder ...	*	*	*	*	*	29.64	+1.05	56	54	-1	NNW	4	o	*	*	66	54	0.43
	Brussels ...	*	*	*	*	*	29.77	+1.07	57	54	-3	N	3	o	4	*	63	55	0.16
	Cape Gris Nez...	*	*	*	*	*	29.77	+1.07	56	54	-2	SW	2	c	*	*	71	49	—
	Paris ...	29.69	62	NNW	2	c	29.77	+1.07	58	57	0	NNW	1	c	0	*	64	54	—
	Brest ...	29.69	62	NNW	3	c	29.77	+1.07	58	57	0	NNW	1	c	0	*	64	54	—
GERMANY.	Lorient ...	29.80	61	N	5	c	29.80	+1.13	56	56	-4	NNW	2	c	4	*	63	54	—
	Rochefort ...	29.93	62	N	6	o	29.85	-0.02	59	58	-1	NNW	3	o	2	*	70	54	0.43
	Belfort ...	29.86	68	NNW	2	c	29.88	+1.01	59	55	0	SE	1	o	*	*	74	53	—
	Lyons ...	29.62	79	NNW	6	c	29.72	-0.02	70	55	+2	N	1	m	3	*	86	63	—
	Nice ...	29.62	79	NNW	6	c	29.72	-0.02	70	55	+2	N	1	m	3	*	86	63	—
	Perpignan ...	29.93	70	E	3	o	29.92	-0.01	62	58	-4	2	o	o	*	*	75	53	—
	Biarritz ...	29.01	67	NNW	4	c	29.87	-1.12	67	63	+3	NNW	5	o	5	*	70	61	0.08
	Corunna ...	29.15	68	NNW	2	c	29.08	-1.10	66	64	+2	NNW	4	m	2	*	75	64	—
	Lisbon ...	29.15	68	NNW	2	c	29.08	-1.10	66	64	+2	NNW	4	m	2	*	75	64	—
	Lisbon ...	29.15	68	NNW	2	c	29.08	-1.10	66	64	+2	NNW	4	m	2	*	75	64	—

WEATHER CHARTS

for 8 a.m. on

Monday, 12th August,

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;

→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

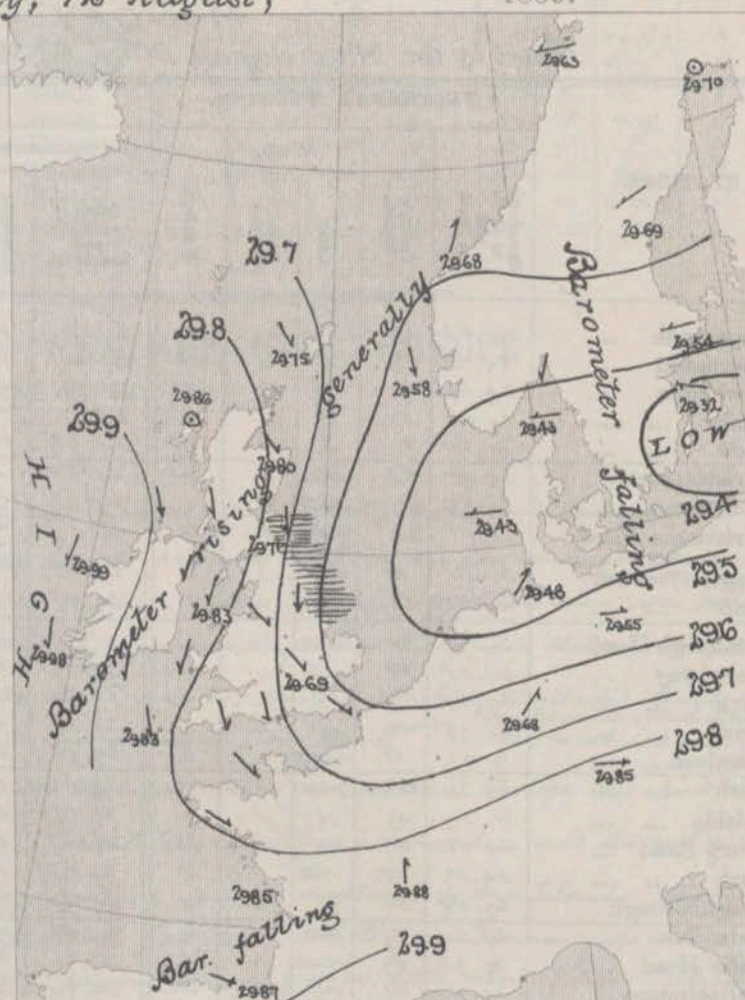
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.960
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Sally	29.958
Jersey	29.976
Hurst Castle	29.980
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

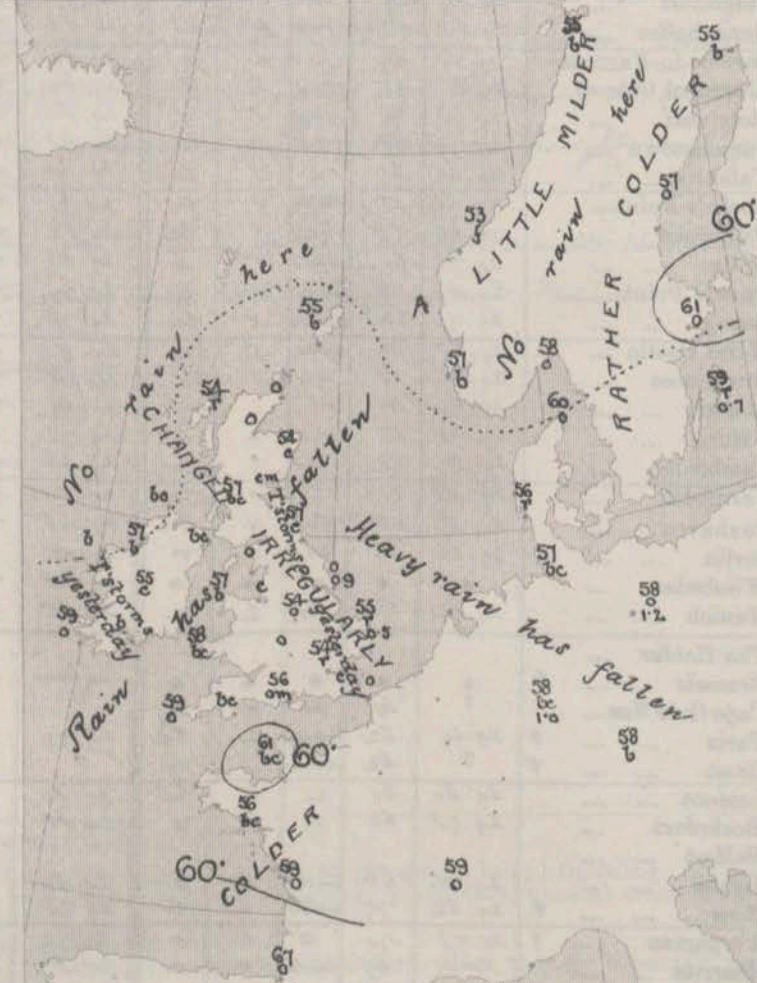
WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL. (For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick.....	61.1	48.5	55.2	53.2	2.35
Nairn.....	63.4	50.2	55.6	52.7	2.81
Aberdeen.....	63.1	50.2	56.7	53.6	3.13
Leith.....	66.8	51.4	57.6	54.6	2.62
Shields.....	63.5	52.3	57.5	54.9	2.81
York.....	68.1	51.4	58.0	55.3	2.47
Loughborough.....	70.6	52.1	59.9	57.4	2.61
Ardrossan.....	64.0	53.1	57.3	54.0	4.08
Donaghadee.....	61.8	52.0	57.0	55.5	2.99
Holyhead.....	64.3	55.0	58.5	56.4	2.89
Liverpool.....	65.7	54.3	58.7	55.5	2.70
Parsonstown.....	66.2	51.7	57.6	55.7	3.48
Valencia.....	65.0	54.1	59.4	57.0	4.65
Roche's Point.....	66.6	53.9	59.0	56.4	3.59
Pembroke.....	63.7	55.8	58.9	56.6	2.91
Sally.....	64.9	57.2	61.1	59.0	2.45
Jersey.....	69.0	57.4	63.1	60.0	2.26
Hurst Castle.....	68.1	56.1	61.2	59.1	2.31
Dover.....	67.1	57.2	62.6	59.0	2.06
LONDON.....	71.8	53.7	61.4	57.8	2.20
Oxford.....	69.2	53.4	59.2	56.4	2.33
Cambridge.....	71.3	52.1	60.2	57.3	2.25
Yarmouth.....	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1860-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. and more over the southwest of Spain - 29.9 ins. to 30 ins. over Ireland - 29.7 ins. over eastern Lapland.
 Lowest About 29.3 ins. in a depression over the Baltic, 29.6 ins. and less, on our extreme eastern coast.
 Gradients moderate to slight, and favourable for N. winds over our islands and the North Sea.
 Barometer rising over the United Kingdom generally - most in the west - falling in the southwest of France.

TEMPERATURE

Highest 67° at Biarritz, 66° at Lisbon, 61° at Stockholm.
 Lowest 53° at Christiansund, 54° at Stormoway, Nairn and Aberdeen, and below 60° over nearly the whole of NW. and central Europe.
 Maxima recorded yesterday were below 70° at all our stations; that in London was only 61°, that at Pembroke 60°.

WIND

N. to NW. in our islands - fresh on our northeast coasts, moderate to light elsewhere.
 Very variable over Scandinavia - E. over the southern half of Sweden and in Denmark - W. in Germany and Spain.
 In the extreme North of Scotland it is very light, and is backing W.

WEATHER

Fine and bright in the west of our islands - dull and gloomy elsewhere, with rain at several of our more eastern stations.
 Rain has fallen generally (heavily over Germany). Thunderstorms have been very prevalent over the eastern half of England.

SEA

Platier rough on our northeast coasts, moderate in the English and Irish Channels, slight or smooth in the far W.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A high pressure area off our western coasts appears to be spreading eastwards over the Kingdom, so that the fine weather now prevailing in the west will probably reach our eastern districts also very shortly.

FORECASTS

For the 24 hours ending at NOON on 13th AUGUST 1889.

DISTRICTS.

FORECASTS.

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

NW. winds, moderate or fresh; changeable, rain at times.

NW. and N. winds, moderate to light; rainy to fair, cold at night.

DISTRICTS.

FORECASTS

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

Same as N. 0 and 1.

N. and NW. winds; some showers, but fair as a whole.

N. breezes, moderate or light; fine generally, cold at night.

WARNINGS

NONE ISSUED.

No. 0.—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.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.61	66	56	WNW 4	C	2	Holyhead ...	29.61	60	57	N 3	C	2
Sumburgh Head ...							Valencia ...						
Stornoway ...	29.77	58	55	NE 4	C	4	Scilly ...						
Aberdeen ...							Jersey ...	29.66	64	58	W 6	bc	5
Shields ...							Dungeness ...	29.54	59	55	W 2	cf	3
Ardrossan ...							London ...						
Malin Head ...	29.68	58	56	NNE 3	O	2	Yarmouth ...						
Mullaghmore ...							Roshefort ...	29.71	68	61	WNW 6	C	4
Belmullet ...	29.72	61	57	N 3	C	*							

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

The reports for yesterday morning showed that pressure was highest, 30.1 ins. and upwards, in an anticyclone lying over the southwestern parts of the Iberian Peninsula, and somewhat high, 29.9 ins. and upwards, over the central and southern parts of Russia. The lowest readings, 29.5 ins. and less, were found in the neighbourhood of the White Sea, but a large and irregularly shaped area with readings below 29.6 ins. was lying over the North Sea, England and the east of Ireland. Over Western Europe the winds circulated round this low pressure system, being NE² in Norway and Scotland, N² in Ireland, W² over the Channel and France, S² on the eastern shores of the North Sea, and variable over the northern and central parts of England. In Spain the wind was chiefly NW² and in Russia W², but over Central and Southern Europe, and the Mediterranean light variable breezes were reported. The weather was fine in nearly all the more southern countries, as well as in Scandinavia, but showery over the United Kingdom, and rainy, for the southwest of France and some parts of Germany. Temperature had changed rather irregularly, but the general tendency was for a slight fall; readings ranged from a little above 80° in Algeria and the extreme south of Italy to 55° or less, over the west of Norway, the northeast of Great Britain and the central parts of England and Ireland. The highest individual readings were 84° at Tunis, 83° at Malta, 82° at Oran and La Calle, 81° at Brindisi and Algiers, 80° at Madrid, and 79° at Cagliari and Constantinople; the lowest were 50° at Bodø and Christianund, 51° at Apsford, 52° at Shields and Hurst Castle, 53° at Skudesnaes, Aberdeen and Parsonstown, 54° at Sumburgh Head, Malin Head and Loughborough, and 55° at Knapic, Helingsborg, Wick, York, Barrow-in-Furness and Pwllke Point. In the course of the day the large area of low pressure over England and the North Sea moved eastwards, but a small shallow depression advanced from the northwest to the south of Ireland. The weather over our Islands remained very unsettled with thunderstorms and heavy showers in many places.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 4TH TO THE 10TH AUG. 1889.

The weather experienced over the United Kingdom during this week was of a very changeable unsettled character, intervals of warm bright sunshine alternating frequently, with heavy showers and occasionally cold nights. These conditions were brought about by the fact that while pressure remained high, over southwestern and southern Europe depressions of no great depth followed one another from west to east across the northern parts of our Islands, and occasionally spread southwards as far as our extreme southern coasts. The SW² to W² wind (which has been the dominant current of the period) has consequently blown strongly at times in the English and Irish Channels, though it has been of little strength in the east and north and at times (e.g. on Tuesday and Saturday) there had been temporary spells of E² winds over the northern and northeastern parts of Scotland. Temperature has on no occasion been much above 70° in our Islands — in the North it has been generally below 60° — Rain has fallen daily in the west and north, and almost daily (in showers) in the south and east. Some of the amounts in the former districts have been large, the principal being those measured at Aberdeen on the mornings of the 6th and 11th, which were 1.18 ins. and 1.22 ins. respectively.

At the close of the week a complex low pressure system was passing directly over the United Kingdom, but the barometer seemed inclined to rise in the northwest, N² to NE² winds were beginning to spread over the Kingdom.

EXPLANATION OF 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. equally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

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

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for TUESDAY 13TH AUGUST 1889.

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

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.		WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.			Force (0 to 12.)	Max.		Min.	
SCANDINAVIA.	Haparanda ..	29.67	53	2	0	C	29.61	-0.09	59	52	+4	NNE	2	bc	*	64	41	—	
	Hernösand ...	29.76	58	ENE	2	0	29.41	-0.28	57	53	0	NNE	4	7	*	64	46	0.28	
	Stockholm ...	29.77	56	E	2	C	29.21	-0.33	57	53	-4	NNE	4	7	*	64	48	0.39	
	Wisby ...	29.11	53	SE	8	7	29.06	-0.26	59	57	0	N	8	c	*	64	53	0.55	
	Boðö ...	29.59	52	2	0	7	29.61	-0.02	50	49	-5	2	0	7	0	59	48	0.58	
	Christiansund...	29.62	57	WNW	2	C	29.63	-0.05	53	49	0	SW	1	0	1	55	48	—	
	Skudesnaes ...	29.60	?	NNW	8	C	29.62	+0.04	53	49	-2	NNW	8	C	4	59	48	—	
	Christiania Fjord (Færd)	29.42	64	NNE	5	C	29.43	-0.09	60	53	+2	NNW	5	C	2	64	57	—	
	Skagen (The Scaw)	29.38	61	N	3	bc	29.41	-0.02	61	58	+1	N	3	C	2	66	59	—	
	Fanö ...	29.52	57	NW	4	C	29.58	+0.15	56	53	+4	NW	6	C	*	63	53	—	
BRITISH ISLANDS.	Sumburgh Head	29.71	54	WNW	2	0	29.79	+0.04	57	50	-2	N	1	C	2	60	47	—	
	Stornoway ...	29.86	56	NW	4	7	29.90	+0.04	54	53	0	NW	3	C	3	60	50	0.10	
	Wick ...	29.80	54	N	2	0	29.85	+0.05	56	54	+1	N	2	bc	1	64	43	0.01	
	Nairn ...	29.82	56	WNW	3	0	29.87	+0.04	58	51	+1	W	1	C	1	63	51	—	
	Aberdeen...	29.82	57	NW	2	C	29.89	+0.09	53	50	+1	NW	2	bc	2	63	51	0.02	
	Leith ...	29.79	59	NW	2	C	29.91	+0.09	60	53	+4	W	2	C	*	67	51	—	
	Shields ...	29.84	57	N	3	0	29.88	+0.17	54	51	+1	W	3	C	4	59	50	—	
	Spurn Head ...	29.79	58	N	6	C	29.91	+0.28	57	53	0	W	5	0	4	60	54	0.06	
	York ...	29.84	58	N	3	C	29.93	+0.22	57	52	+3	WNW	2	C	*	62	52	—	
	Loughborough	29.86	57	WNW	2	0	29.98	+0.25	53	53	+1	W	3	ow	*	61	52	—	
GERMANY.	Ardrossan ...	29.90	59	NW	4	0	29.99	+0.13	59	56	+2	WNW	3	C	2	62	53	—	
	Malin Head ...	29.96	57	NW	4	bc	30.00	+0.09	56	52	-1	NW	4	op	3	58	54	0.03	
	Mullaghmore ...	30.03	59	WNW	4	C	30.06	+0.12	57	53	0	NW	3	C	2	61	53	0.02	
	Belmullet ...	30.06	59	NW	2	C	30.08	+0.09	57	54	0	NW	2	C	*	60	54	—	
	Donaghadee ...	29.96	58	NNE	4	bc	30.02	+0.14	56	54	0	WNW	3	C	1	61	53	—	
	Barrow-in-Furness	29.86	58	NW	4	0	29.93	+0.11	56	54	+1	NW	4	0	*	60	54	—	
	Liverpool (Bidston)	29.90	59	NW	3	bc	29.99	+0.19	57	52	+1	WNW	3	C	4	61	53	—	
	Holyhead ...	29.95	57	N	4	C	30.03	+0.20	57	53	0	NW	3	0	3	60	53	—	
	Parsonstown ...	30.02	60	NNE	1	C	30.11	+0.18	52	51	-3	2	0	C	*	65	45	—	
	Valencia ...	30.11	60	NNW	3	bc	30.16	+0.18	61	58	+2	WNW	1	bc	2	63	52	—	
FRANCE & NETHERLANDS.	Roche's Point...	30.03	60	N	3	bc	30.11	+0.20	57	54	-1	NW	2	bc	3	65	52	—	
	Pembroke ...	29.90	58	NW	3	C	30.09	+0.27	56	53	-2	NW	3	C	3	61	54	—	
	Silly ...	30.00	60	NNW	5	C	30.12	+0.29	60	57	+1	NNW	4	C	4	62	57	—	
	Prawle Point ...	29.90	60	N	4	bc	30.08	+0.31	57	56	0	NNW	3	bc	2	66	49	0.12	
	Jersey ...	29.89	64	NW	3	C	30.08	+0.30	60	57	-1	NW	4	bc	3	66	58	—	
	Hurst Castle ...	29.87	63	NNE	3	cm	30.04	+0.30	57	56	+1	NNW	2	C	1	66	51	—	
	Dungeness ...	29.78	58	NNW	5	7	29.96	+0.30	56	53	0	N	3	0	2	62	50	0.09	
	London ...	29.83	59	NW	2	C	29.97	+0.30	57	53	+3	WNW	1	0	*	61	53	0.02	
	Oxford ...	29.91	56	NW	3	C	30.02	+0.29	56	53	+1	NW	3	C	*	60	52	—	
	Cambridge ...	29.83	57	W	1	C	29.97	+0.35	56	54	+2	W	1	0	*	58	50	0.13	
PENIN-SULA.	Yarmouth ...	29.73	57	NNW	4	C	29.91	+0.35	57	53	+2	NW	3	cm	4	58	52	0.18	
	Cuxhaven ...	29.52	60	WNW	3	bc	29.65	+0.17	61	58	+4	NW	6	bc	*	64	?	0.18	
	Berlin ...	29.60	60	W	3	C	29.66	+0.11	58	54	0	NNW	3	bc	*	66	52	—	
	Wiesbaden ...	*	*	*	*	*	29.81	+0.13	60	57	+2	W	2	bc	*	68	54	0.08	
	Munich ...	29.88	53	SW	2	7	29.93	+0.08	56	53	-2	SW	5	C	*	64	52	0.12	
	The Helder ...	29.62	59	NNE	3	7	29.82	+0.27	60	53	+2	NNW	3	C	3	64	57	0.32	
	Brussels ...	*	*	*	*	*	29.91	+0.27	58	56	+2	W	3	0	*	63	53	0.27	
	Cape Gris Nez...	?	58	NNW	5	7	?	?	57	53	0	NNW	4	0	5	61	53	0.12	
	Paris ...	29.82	62	WNW	2	bc	30.02	+0.25	57	53	+1	SW	1	0	*	70	53	—	
	Brest ...	?	62	NNW	4	C	?	?	57	53	+1	NNW	2	C	2	64	54	—	
PENIN-SULA.	Lorient ...	29.54	63	W	3	C	30.11	+0.31	58	54	-1	N	3	bc	?	66	53	—	
	Rocheport ...	29.99	64	WNW	4	bc	30.10	+0.25	60	58	+1	N	3	C	2	66	54	—	
	Belfort ...	29.80	56	W	2	0	29.97	+0.15	56	50	-1	NNW	2	0	*	60	51	0.08	
	Lyons ...	29.85	61	W	2	0	30.02	+0.14	53	52	-4	NNW	1	C	*	70	50	0.24	
	Nice ...	29.76	67	NNW	6	C	29.76	+0.02	66	61	-4	SW	4	bc	3	84	59	—	
	Perpignan ...	29.91	69	W	3	0	30.04	+0.12	61	56	-1	N	3	0	*	77	61	0.04	
	Biarritz ...	?	67	NW	4	0	30.08	+0.21	65	?	-2	NW	5	7	?	72	53	?	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	30.09	64	?	5	0	30.14	+0.06	61	56	-5	N	5	C	5	70	59	—		

WEATHER CHARTS

for 8 a.m. on

Tuesday, 13th August.

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4.
○ = dead calm.

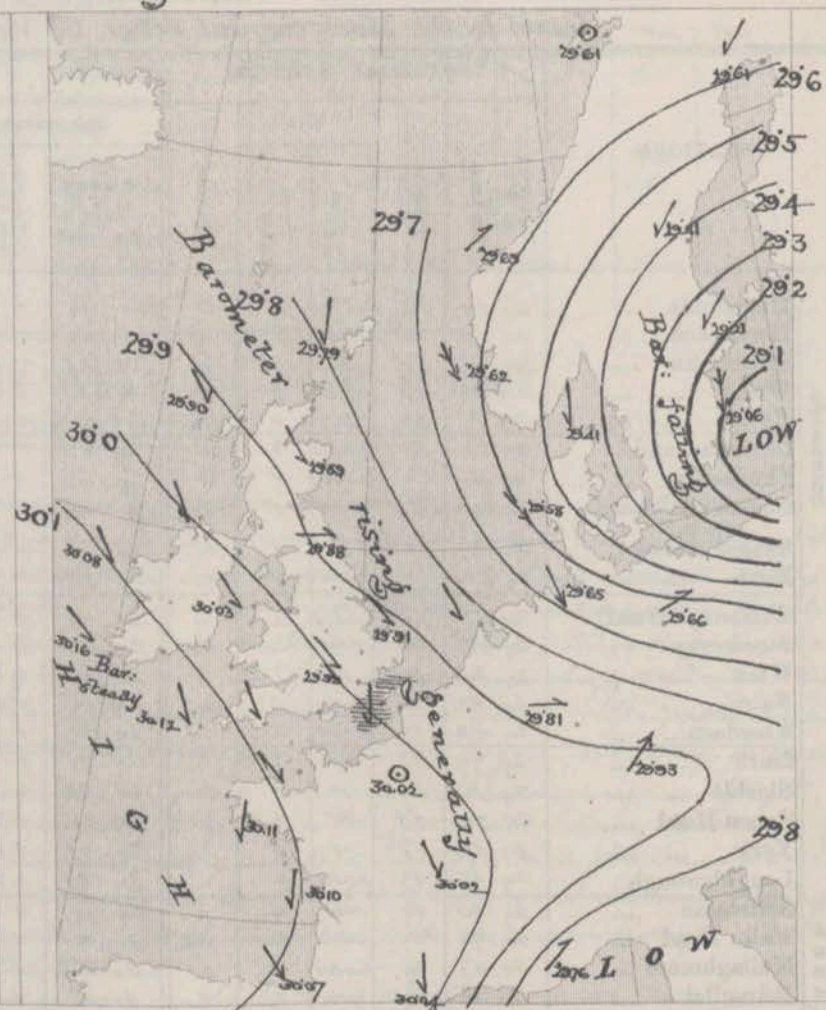
SEA DISTURBANCE—Where considerable, is shown thus:

■ = Rough. ■ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.
During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.798
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.855
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

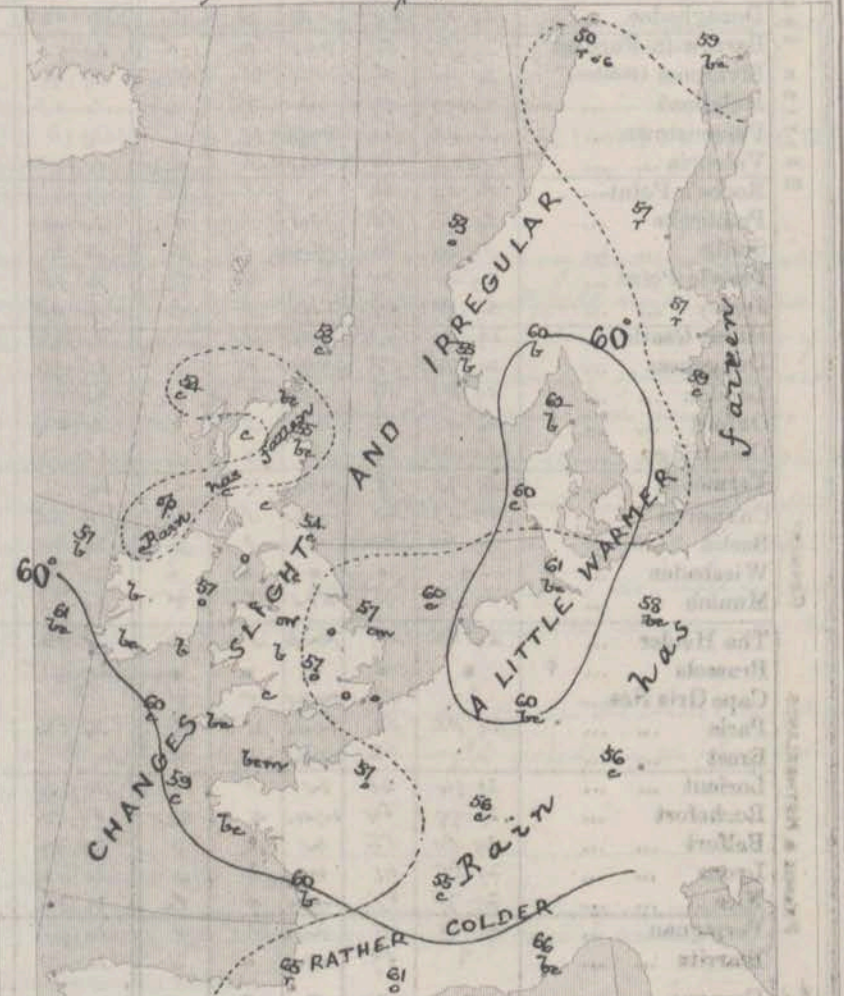
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick.....	61.1	48.5	55.2	53.2	2.35
Nairn.....	63.4	50.2	55.6	52.7	2.81
Aberdeen.....	63.1	60.2	56.7	53.6	3.13
Leith.....	65.8	51.4	57.6	54.6	2.62
Shields.....	63.5	52.3	57.5	54.9	2.81
York.....	68.1	51.4	58.0	55.3	2.47
Loughborough.....	70.5	52.1	59.9	57.4	2.61
Ardrossan.....	64.0	53.1	57.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	55.5	2.99
Holyhead.....	64.3	55.0	58.6	56.4	2.89
Liverpool.....	65.7	54.3	58.7	55.5	2.79
Parsonstown.....	66.2	51.7	57.6	55.7	3.48
Valencia.....	65.0	54.1	59.4	57.0	4.65
Roche's Point.....	66.6	53.9	59.0	56.4	3.59
Pembroke.....	63.7	55.8	58.9	56.6	2.91
Scilly.....	64.9	57.2	61.1	59.0	2.45
Jersey.....	69.0	57.4	63.1	60.0	2.28
Hurst Castle.....	68.1	56.1	61.2	59.1	2.81
Dover.....	67.1	57.2	62.6	59.0	2.66
LONDON.....	71.8	53.7	61.4	57.8	2.20
Oxford.....	69.2	53.4	59.2	56.4	2.33
Cambridge.....	71.3	52.1	60.2	57.3	2.25
Yarmouth.....	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.00 ins. to about 30.15 ins. over the western and southwestern parts of our Islands & the western half of France.
Lowest 29.1 ins. and less, in a well developed depression over the Baltic.
Gradients slight in our Islands, moderate over the North Sea and Denmark.
Barometer rising slightly in our Islands, falling over the Baltic.

TEMPERATURE

Highest 66° at Nice, 65° at Biarritz, 62° at the Scaw, 61° at Copenhagen and Valencia.
Lowest 50° at Bodø, 53° at Lumburg, 44° at Stornoway and Shields, 51° at Cairn, Aberdeen and Loughborough, 56° at Cambridge & Oxford.
The daily maxima over England yesterday were all below 65°, and the minima in many cases below 50°.

WIND

NW² over the British Isles, North of France and North Sea.
N² over Scandinavia - W² and SW² over Germany.
Light to moderate generally - strong to the eastward of the North Sea.
Blowing a gale at Skudenæs and Slidby.

WEATHER

Dull and rainy over the Baltic - fair elsewhere, but cloudy at several of our eastern stations, and in several parts of France.
Rainfall yesterday was slight in our Islands and France, considerable over the Baltic.

SEA

Slight or smooth at our extreme western and northwestern stations, moderate generally elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Some slight showers appear likely to fall over the northeastern and eastern parts of our Islands today, but fair weather is still probable in the west.

Erratum. Rainfall at Leith on August 11th for 0.24 in read 0.67 in

FORECASTS

For the 24 hours ending at NOON on 14TH AUGUST 1889.

DISTRICTS.

FORECASTS.

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

NW² breezes, light or moderate,
a few slight showers.
NW² breezes, light; fair as a whole.

DISTRICTS.

FORECASTS

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

NW² breezes, light or moderate,
fair generally.

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.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnes ...	29.57	58	58	NNW 3	c	3	Holyhead ...	29.91	60	56	NNW 4	bc	3
Sumburgh Head ...	29.73	58	56	NW 2	c	2	Valencia ...	30.07	63	58	NNW 2	bc m	3
Stornoway ...	29.85	58	54	W 3	o	3	Scilly ...	29.93	61	58	N 5	c	4
Aberdeen ...	29.82	62	53	NNW 3	bc	3	Jersey ...	29.85	65	60	NNW 4	bc	3
Shields ...	29.81	58	54	N 4	c	5	Dungeness ...	29.72	59	56	NNW 5	o	4
Ardrossan ...	29.88	56	53	NW 4	c	3	London ...	29.78	60	58	NW 3	og	4
Malin Head ...	29.96	56	53	NW 4	o p	3	Yarmouth ...	29.65	57	56	NW 4	og	4
Mullaghmore ...	30.00	61	53	NW 5	bc v	4	Rochefort ...	29.92	66	62	WW 4	bc	2
Belmullet ...	30.07	60	55	NW 2	bc	*							

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

The reports for yesterday morning showed that pressure was highest, 30.0 ins. and upwards, in a large area which extended from Algeria and Spain to our extreme west coasts, and also in a somewhat smaller area which lay over the south of Russia. The lowest readings 29.4 ins. and less, were found in a large, but somewhat shallow depression which had advanced from our Islands to the Baltic and south of Sweden, but another area of low readings (29.6 ins. and less) were reported over the White Sea. The wind was moderate from the N^W over our Islands, and light to moderate from the W^N or S^W over the Netherlands, Germany & the North of France, but E^W over Sweden and the Gulf of Finland. Over eastern and southern Europe the wind was light and somewhat variable, while in Algeria it was chiefly S^W. The weather was fine in the west of our Islands, as well as over the greater part of Russia and southern Europe, but cloudy elsewhere, with rain at several of the Baltic stations, as well as at Stornoway and Lönjog. Temperature had changed rather irregularly but the general tendency was for a slight fall, readings ranged from between 45° and 80° over the Mediterranean, the Adriatic and Eastern Europe to 55° or less, over the northern parts of Scandinavia and Russia, and many parts of the United Kingdom. The highest individual readings were 81° at Brindisi and Algiers, 80° at La Calle and Malta, and 79° at Cagliari, Oran and Constantinople, 78° at Lescia and Barcelona and 76° at Rome and Palermo; the lowest were 53° at Christiansund and Shields, 52° at Stornoway, Naun, Aberdeen, York, Loughborough, Cambridge and in London, and 51° in many other parts of the United Kingdom, as well as at Archangel, Ulesborg, Haparanda and Bodö.

In the course of the day the depression over the Baltic grew deeper, but no important change in pressure or wind occurred over western Europe. Showers were experienced in many parts of Great Britain and France, with thunder at Lyons.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for WEDNESDAY 14TH AUGUST. 1889.
 Issued by the Meteorological Office, 63 Victoria Street, London. R.H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.52	60	NNE	2	c	29.48	-13	56	55	-3	ENE	4	7	*	68	41	0.04	
	Hernösand ...	29.42	57	NNE	2	c	29.41	0	57	53	0	NNE	2	0	*	63	53	0.24	
	Stockholm ...	29.56	57	NW	2	o	29.59	+18	59	57	+2	X	0	0	*	63	53	0.12	
	Wisby ...	29.58	57	NW	2	c	29.59	+53	58	56	-1	W	1	6c	*	64	54	0.08	
	Bodö ...	29.65	57	W	1	o	29.65	+04	52	53	+2	X	0	7c	1	52	46	0.08	
	Christiansund...	29.70	52	NW	2	o	29.68	+05	53	53	0	X	0	0	1	57	48	—	
	Skudesnaes ...	29.70	52	NW	5	c	29.63	+01	53	53	0	NW	4	6c	3	57	48	—	
	Christiania Fjord (Fæder)	29.50	59	WNW	4	o	29.51	+08	57	51	-3	WNW	5	c	2	61	53	0.12	
	Skagen (The Seaw)	29.47	57	X	0	c	29.51	+10	53	54	-2	NNE	3	0	2	68	53	0.04	
	Fanö ...	29.71	53	WNW	5	c	29.71	+13	54	52	-6	WNW	5	c	*	64	54	0.12	
BRITISH ISLANDS.	Sumburgh Head	29.82	53	WNW	1	6c	29.73	-06	54	52	+1	X	0	6	0	57	41	—	
	Stornoway ...	29.89	60	NW	3	6c	29.62	-28	53	53	-1	S	4	7	4	60	44	0.20	
	Wick ...	29.85	58	NW	2	6c	29.69	-16	57	58	+1	S	2	6c	1	62	47	—	
	Nairn ...	29.88	58	W	2	c	29.68	-19	54	51	-1	X	0	0	1	61	41	0.04	
	Aberdeen...	29.89	56	SW	1	c	29.74	-15	56	51	+1	S	1	c	2	62	48	0.16	
	Leith ...	29.91	57	W	3	c	29.74	-17	53	53	-5	S	1	7m	*	67	51	0.01	
	Shields ...	29.94	53	ENE	1	7	29.82	-06	54	52	0	SW	2	0	3	60	50	0.06	
	Spurn Head ...	29.94	58	NNE	1	0	29.87	-04	57	58	0	SW	4	0	3	60	53	0.16	
	York ...	29.96	61	W	3	c	29.87	-06	56	54	-1	SW	2	0	*	65	51	—	
	Loughborough	30.02	59	W	2	0	29.92	-06	57	54	+2	W	3	c	*	63	52	0.01	
GERMANY.	Ardrossan ...	29.96	60	WNW	4	c	29.70	-29	53	53	-4	S	4	7m	3	62	51	0.33	
	Malin Head ...	29.99	57	W	4	0	29.60	-40	58	57	+2	S	4	107	2	62	54	0.42	
	Mullaghmore...	30.03	55	W	3	0	29.65	-41	60	59	+3	WNW	4	7	3	61	56	0.58	
	Belmullet ...	30.01	58	WNW	2	0	29.68	-40	58	58	+1	W	4	7	*	61	57	0.61	
	Donaghadee ...	30.03	56	SW	2	6c	29.69	-33	53	53	-1	SW	2	7	0	60	53	0.47	
	Barrow-in-Furness	29.98	58	NW	4	c	29.79	-14	56	53	0	S	5	7	*	60	55	0.04	
	Liverpool (Bidston)	30.02	57	WNW	3	0	29.86	-13	58	54	-2	SW	2	7	3	61	53	0.04	
	Holyhead ...	30.05	59	WNW	3	c	29.76	-27	56	56	-1	SW	5	7m	4	63	56	0.12	
	Parsonstown ...	30.01	62	X	0	c	29.73	-38	60	59	+8	X	0	7	*	75	52	0.57	
	Valencia ...	30.11	60	SW	4	0	29.79	-37	61	60	0	WNW	3	7m	4	64	57	0.48	
FRANCE & NETHERLANDS.	Roche's Point...	30.10	62	WNW	4	6c	29.79	-32	59	59	+2	SW	5	7	4	65	53	0.35	
	Pembroke ...	30.10	58	W	3	6c	29.88	-21	58	58	+2	SW	5	79	5	60	53	0.07	
	Scilly ...	30.15	60	W	2	c	29.97	-15	60	60	0	SW	5	7	5	63	56	0.09	
	Prawle Point ...	30.12	60	WNW	3	c	30.05	-03	57	56	0	WNW	4	09	3	62	51	—	
	Jersey ...	30.14	62	WNW	3	7m	30.13	+05	60	56	0	W	5	09	4	65	56	0.01	
	Hurst Castle ...	30.09	63	NW	3	6c	30.04	0	60	58	+3	W	5	6	2	66	53	—	
	Dungeness ...	30.00	62	NW	4	c	30.01	+05	59	54	+3	NW	4	c	2	65	50	—	
	London ...	30.03	61	NW	1	0	30.01	+02	59	54	+2	WNW	1	c	*	63	52	—	
	Oxford ...	30.06	57	NW	3	0	29.98	-04	58	53	+2	SW	4	c	*	66	52	—	
	Cambridge ...	30.01	59	WNW	1	0	29.96	-01	60	57	+4	SW	1	c	*	65	51	—	
PENINSULA.	Yarmouth ...	29.98	58	X	0	09	29.95	+04	57	54	0	W	3	6c	3	62	51	0.11	
	Cuxhaven ...	29.78	60	NW	6	7	29.81	+16	61	57	0	NW	5	6	*	63	59	0.08	
	Berlin ...	29.78	63	WNW	1	0	29.84	+18	57	53	-1	WNW	5	c	*	68	54	—	
	Wiesbaden ...	*	*	*	*	*	30.04	+23	57	54	-3	W	3	0	*	64	54	—	
	Munich ...	30.02	54	SW	2	7	30.12	+19	53	51	-3	W	5	0	*	61	50	0.28	
	The Helder ...	29.93	59	NW	2	c	29.89	+07	58	53	-2	W	2	0	3	63	57	0.12	
	Brussels ...	*	*	*	*	*	30.02	+11	58	53	0	SW	3	c	*	62	53	0.12	
	Cape Gris Nez...	?	60	NW	3	0	?	?	58	54	+1	W	3	0	2	63	53	—	
	Paris ...	30.08	62	WNW	2	6c	30.15	+13	57	54	0	SW	2	6c	*	68	50	—	
	Brest ...	?	62	WNW	3	6c	?	?	57	58	0	WNW	4	0	4	66	53	—	

WEATHER CHARTS

for 8 a.m. on Wednesday, 14th August.

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4.
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

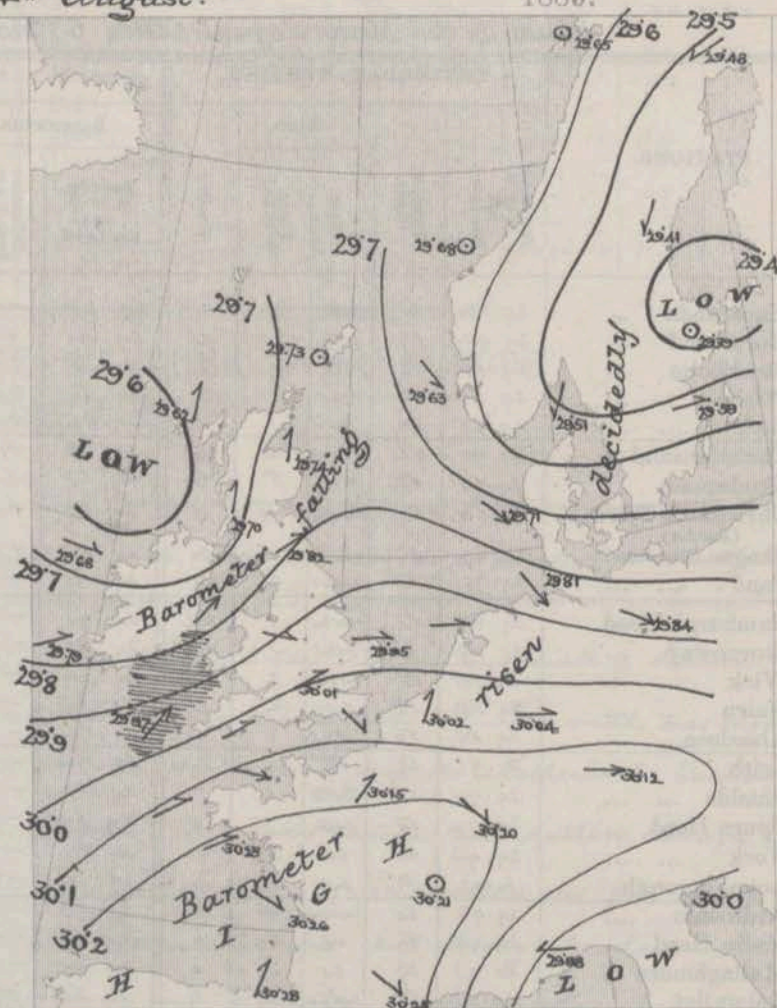
■ = Rough. ■ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.885
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

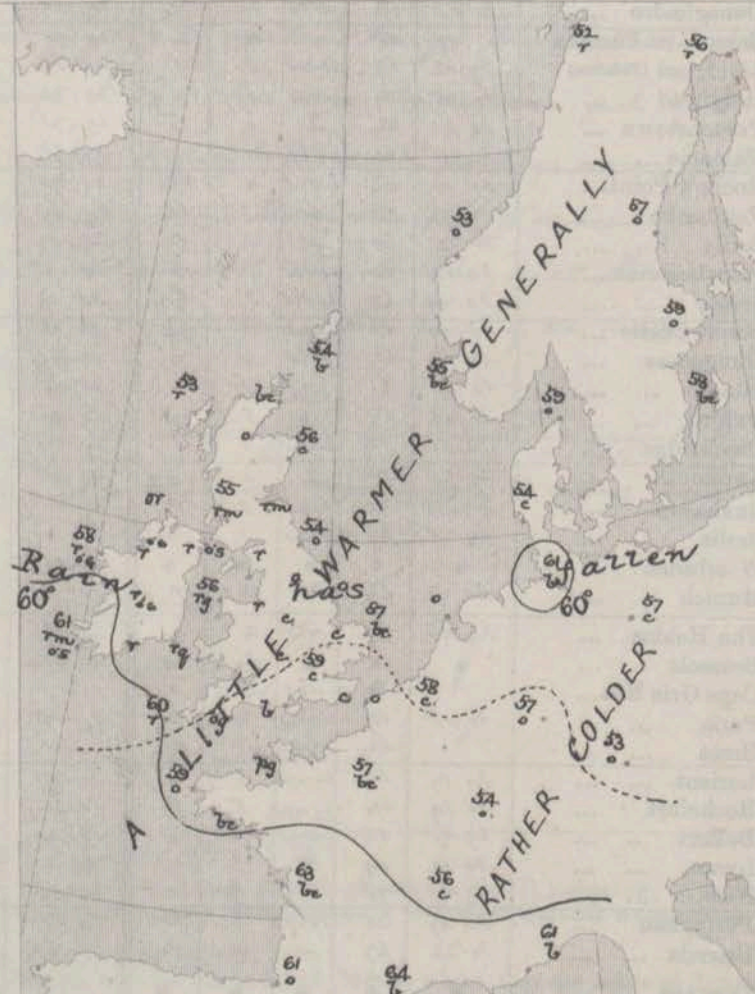
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Samburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick.....	61.1	48.5	55.2	53.2	2.35
Nairn.....	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.0	3.13
Leith.....	65.8	51.4	57.6	54.0	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York.....	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	55.4	2.99
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Parsonstown.....	66.2	51.7	57.6	55.7	3.48
Valencia.....	65.0	54.1	59.4	57.0	4.65
Roche's Point.....	66.6	53.9	59.0	56.4	3.59
Pembroke.....	63.7	55.8	58.9	56.6	2.91
Scilly.....	64.9	57.2	61.1	59.0	2.46
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LONDON.....	71.8	53.7	61.4	57.8	2.26
Oxford.....	69.2	53.4	59.2	56.4	2.33
Cambridge.....	71.3	52.1	60.2	57.3	2.25
Yarmouth.....	66.4	55.1	60.8	57.9	2.17

NOTE—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.10 ins. to nearly 30.3 ins. over Spain, the Bay of Biscay and France.
Lowest 29.4 ins. and less, in a depression (filling up) over the Baltic—29.6 ins. and less in another depression off our north-eastern coast.
Gradients are somewhat steep over our southwestern districts, moderate to slight elsewhere.
Barometer falling throughout our Islands, most in the northwest—rising in the south of France.

TEMPERATURE

Highest 65° at Lisbon, 64° at Perpignan, 60° at Hurst Castle and Cambridge.
Lowest 53° at Hornsey, 54° at Bumburgh Head and Nairn, 55° at Ardrossan and Donaghadee.
It is inclined to rise over the eastern counties of England, and some parts of France.

WIND

N² over Scandinavia, NW² to W² over the Baltic and Germany. (The gales reported there yesterday have died down)
W² to S² light to moderate over England and the east of Scotland.
W² to S² fresh and squally on all our western coasts, SW² moderate over the Bay of Biscay.

WEATHER

Fair generally over the eastern and southeastern counties—Dull and very rainy in the west.
Fine over France, cloudy over Germany the Baltic and eastern shores of the North Sea—rainy at Haparanda. Rainfall has exceeded half an inch at several of our western stations.

SEA

Moderate to rather rough on our west and southwest coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The unsettled weather now prevailing in the west seems likely to spread to our eastern and southern counties during the day and a continuance of squally, rainy weather at our western stations is probable.

FORECASTS

For the 24 hours ending at NOON on 15TH AUGUST 1889.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | S ² and SW ² winds freshening; gusty, rain at times |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | S ² and SW ² breezes, light to fresh; fair to showery. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | SW ² breezes, freshening; becoming rainy and unsettled. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS

- | | | |
|---|---------------|--|
| 6 | SCOTLAND WEST | W ² to S ² winds, fresh or strong, squally, rain at times. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | |
| 0 | IRELAND SOUTH | |

WARNINGS

None Issued at present.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Woa.	Sea.		Bar.	Dry.	Wet.	Wind.	Woa.	Sea.
Skudesnaes ...	29.66	57	51	NNW 7	C	4	Holyhead ...	30.06	62	58	WNW 2	C	2
Sumburgh Head ...	29.80	55	54	NNW 2	C	2	Valencia ...	30.15	64	57	SW 4	bc v	4
Stornoway ...	29.90	58	54	NW 3	O	3	Scilly ...	30.15	62	60	WNW 2	C	3
Aberdeen ...	29.90	61	53	NW 1	C	2	Jersey ...	30.18	64	58	WNW 4	bc m	3
Shields ...	29.92	57	54	N/E 2	O	4	Dungeness ...	29.99	62	56	NW 2	C	2
Ardrossan ...	29.97	62	58	WNW 4	C	3	London ...	30.03	62	58	WNW 2	O	*
Malin Head ...	30.01	60	58	WNW 4	bc	3	Yarmouth ...	29.95	62	57	WNW 3	C	3
Mullaghmore ...	30.05	60	56	WNW 3	C	2	Rochefort ...	30.16	62	63	NW 4	C	2
Belmullet ...	30.07	60	54	W 2	O	*							

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

The reports for yesterday morning showed that pressure was highest, 30.2 ins. and upwards, in a large anticyclone lying to the southwest of our Islands and the northwest of Spain, but high, 30.0 ins. and upwards, over the South of Russia. The lowest readings, 29.1 ins. and less, were found in a well defined and rather deep depression, the centre of which lay over the Island of Gotthland, but a shallow area of low readings (29.8 ins. and less) was reported over the southeast of France and the North of Italy. The wind was light or moderate from the NWnd over our Islands and France, and strong from the same quarter on the eastern shores of the North Sea. Over Germany and the Baltic provinces, however, it drew into the SWnd, while in Finland it was SEth, and in Sweden NEth or Nth; gales from the Nnd were reported at Skudesnaes and Ulsby. Over southern and eastern Europe the wind was upon the whole very variable, but in Spain it was NEth or Nth. The weather was dull and unsettled over Northern Europe, as well as in Austria, the north of Italy and the extreme south of France, with rain in several places. Elsewhere, however, conditions were mostly fair or fine. Temperature had changed very irregularly, and readings ranged from 80° and upwards, over Algeria and the extreme south of Italy to 55° or less, over the west of Norway and the northern and central parts of the United Kingdom. The highest individual readings were 86° at La Balie, 82° at Brindisi and Oran, 81° at Sfax, 80° at Algiers, 79° at Constantinople, 78° at Lema, and 77° at Baghara, Palermo, Malta and Annala; the lowest were 58° at Bodo, 52° at Parsonstown, 53° at Christiansund and Sumburgh Head, 54° at Stornoway and Shields, and 55° at Uleaborg, Kuopio, Skudesnaes, Nairn, Aberdeen, Loughborough and Lorient.

In the course of the day the depression over the Baltic began to fill up, but a new fall of the barometer set in over the west of our Islands accompanied by a backing wind and an increase of cloud. During the ensuing night heavy rain fell at many of our western stations.

EXPLANATION OF 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.
† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for THURSDAY 15TH AUGUST. 1889.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.		Difference from 8 a.m. yesterday.	WIND.		Weather.	Sea. (0 to 9.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.		Dir.	Force. (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ..	29.42	57	NW	2	C	29.42	-16	58	56	+2	NE	4	T	*		61	52	0.12
	Hernösand ...	29.49	54	W	0	C	29.40	-01	56	53	-1	NNE	2	T	*		62	54	0.16
	Stockholm ...	29.40	56	W	0	O	29.39	0.0	56	54	-2	NNW	2	O	*		62	52	0.04
	Wisby ...	29.61	58	NW	4	bc	29.59	0.0	57	56	+1	NW	2	C	*		64	54	—
	Bodö ...	29.59	53	W	0	O	29.56	-03	53	51	+1	W	0	O	O		53	50	—
	Christiansund...	29.65	58	NW	2	C	29.59	-06	57	48	-2	W	2	C	1		53	43	—
	Skudesnaes ...	29.63	58	NW	4	bc	29.61	-02	56	52	+1	NNW	2	C	3		57	46	—
	Christiania Fjord (Færd)	29.52	61	WNW	2	O	29.53	+02	56	50	-1	NNW	2	C	2		61	53	—
	Skagen (The Scaw)	29.51	58	WNW	2	C	29.51	0.0	60	53	+1	N	1	C	1		64	54	—
	Fanö ...	29.67	58	W	4	C	29.62	-05	59	52	+5	E	1	C	*		63	50	—
	Sumburgh Head	29.66	58	S	1	bc	29.55	-11	56	56	+2	S	1	O	1		57	47	0.01
	Stornoway ...	29.60	59	SW	2	O	29.59	-01	56	53	+3	SW	2	O	2		57	52	0.22
	Wick ...	29.63	57	SE	2	bc	29.57	-12	60	58	+3	NW	2	bc	1		60	52	0.02
	Nairn ...	29.60	60	W	0	C	29.60	-08	59	57	+5	SW	1	bc	1		65	53	0.03
	Aberdeen...	29.64	58	S	2	C	29.62	-12	60	57	+4	SW	1	om	2		60	50	0.01
BRITISH ISLANDS.	Leith ...	29.62	57	W	1	C	29.65	-09	59	56	+4	W	2	C	*		61	54	0.08
	Shields ...	29.61	58	SW	2	OT	29.64	-14	56	53	+2	WNW	2	O	2		57	52	0.34
	Spurn Head ...	29.73	59	SW	4	T	29.74	-13	58	56	+1	WNW	2	O	3		60	56	0.27
	York ...	29.63	59	S	1	T	29.74	-13	59	57	+2	W	2	O	*		61	54	0.39
	Loughborough	29.69	61	SW	2	C	29.80	+12	61	58	+4	WNW	2	bc	*		62	56	0.12
	Ardrossan ...	29.62	59	W	0	dm	29.68	-02	57	56	+2	SW	2	O	1		61	54	0.32
	Malin Head ...	29.67	57	NW	5	O	29.63	+03	57	57	-1	W	5	od	3		59	53	0.11
	Mullaghmore ...	29.77	58	WNW	5	omfo	29.75	+10	58	57	-2	WNW	6	od	4		61	53	0.06
	Belmullet ...	29.81	58	WNW	2	O	29.80	+12	57	56	-1	WNW	4	O	*		57	56	0.06
	Donaghadee ...	29.67	62	NNW	4	C	29.71	+02	56	56	+1	SW	4	T	2		64	54	0.21
	Barrow-in-Furness	29.61	60	N	4	T	29.74	-05	57	56	+1	SW	2	O	*		60	53	0.98
	Liverpool (Bidston)	29.66	60	W	5	T	29.72	-08	57	53	+4	W	2	O	3		63	53	0.22
	Holyhead ...	29.69	61	WNW	4	cg	29.78	+02	56	56	0	SW	4	dm	4		63	53	0.17
	Parsonstown ...	29.80	63	W	0	C	29.81	+10	60	58	0	SW	3	O	*		63	53	0.03
	Valencia ...	29.94	59	NW	2	cm	29.96	+17	60	59	-1	WNW	2	T	2		64	57	0.22
GERMANY.	Roche's Point...	29.83	64	NNW	5	bc	29.89	+10	63	59	+4	NW	3	bc	3		66	56	0.02
	Pembroke ...	29.76	60	WNW	4	C	29.85	-03	59	58	+1	WNW	3	C	2		60	53	0.22
	Scilly ...	29.85	60	WNW	5	omfo	29.97	0.0	61	60	+1	WNW	5	om	6		62	58	0.23
	Prawle Point ...	29.79	58	W	6	T	29.91	-14	58	58	+1	W	5	om	4		59	56	0.19
	Jersey ...	29.91	60	WNW	6	omfo	29.98	-15	61	59	+1	W	6	om	5		62	54	0.14
	Hurst Castle ...	29.79	60	SW	3	T	29.88	-16	61	60	+1	W	4	C	3		65	53	0.42
	Dungeness ...	29.91	58	SW	6	T	29.79	-22	65	61	+6	NW	4	bc	3		65	53	0.19
	London ...	29.77	59	SW	3	omfo	29.83	-18	62	58	+3	NW	1	bc	*		67	57	0.14
	Oxford ...	29.71	60	SW	2	O	29.84	-14	60	57	+2	W	2	cg	*		62	54	0.11
	Cambridge ...	29.76	57	SW	2	T	29.79	-17	62	60	+2	W	1	O	*		67	47	0.12
	Yarmouth ...	29.77	57	SW	4	rog	29.75	-20	59	57	+2	NW	2	C	3		64	58	0.20
	Cuxhaven ...	29.82	58	WNW	2	T	29.75	-09	56	54	-1	SW	2	O	*		63	52	0.20
	Berlin ...	29.80	58	W	2	T	29.80	-24	53	52	-2	SW	2	T	*		62	52	0.25
	Wiesbaden ...	29.83	58	W	2	C	29.98	-14	58	57	+2	SW	5	O	*		61	50	—
FRANCE & NETHERLANDS.	The Helder ...	29.78	58	SW	4	T	29.62	-27	60	59	+2	WNW	2	O	3		63	57	0.38
	Brussels ...	29.76	58	W	2	T	29.76	-26	59	58	+1	WNW	1	T	*		64	54	0.16
	Cape Gris Nez...	29.76	58	SW	2	T	29.76	-26	62	60	+4	NW	4	bc	5		63	57	0.20
	Paris ...	29.82	63	WNW	2	C	29.90	-25	62	61	+5	SW	2	C	*		70	53	0.04
	Brest ...	29.82	60	SW	6	T	29.82	-25	60	59	+1	NW	2	O	5		64	54	0.17
	Lorient ...	29.97	61	SW	6	T	29.88	-15	59	58	0	NW	4	O	5		63	57	0.24
	Rochefort ...	29.19	64	W	4	O	29.12	-14	63	62	0	WNW	4	O	2		72	57	0.12
	Belfort ...	29.09	56	WNW	3	bc	29.94	-26	56	50	+2	W	4	T	*		63	51	—
	Lyons ...	29.15	62	N	1	C	29.09	-12	54	52	-2	S	2	T	*		83	57	0.04
	Nice ...	29.98	67	SW	4	C	29.93	-05	65	58	-3	NE	2	bc	0		77	58	—
	Perpignan ...	29.18	71	N	3	bc	29.15	-10	63	58	-1	NW	2	C	*		77	53	—
	Biarritz ...	29.23	67	W	0	O	29.19	-09	64	63	+3	WNW	5	T	3		72	61	0.04
PENINSULA.	Corunna ...	29.17	68	WNW	6	C	29.17	+01	68	59	+3	NNE	3	C	2		82	45	—
	Lisbon ...	29.17	68	WNW	6	C	29.17	+01	68	59	+3	NNE	3	C	2		82	45	—

For Explanation of Columns, see p. 4.

‡ Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on

Thursday, 15th August.

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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⊙ = dead calm.

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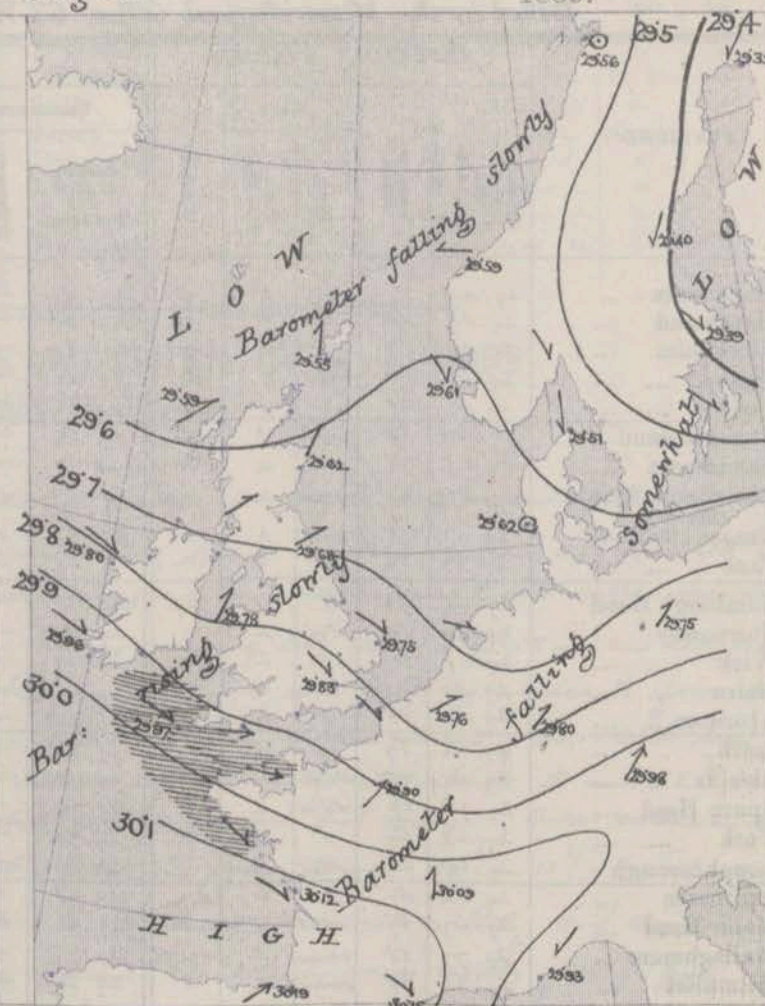
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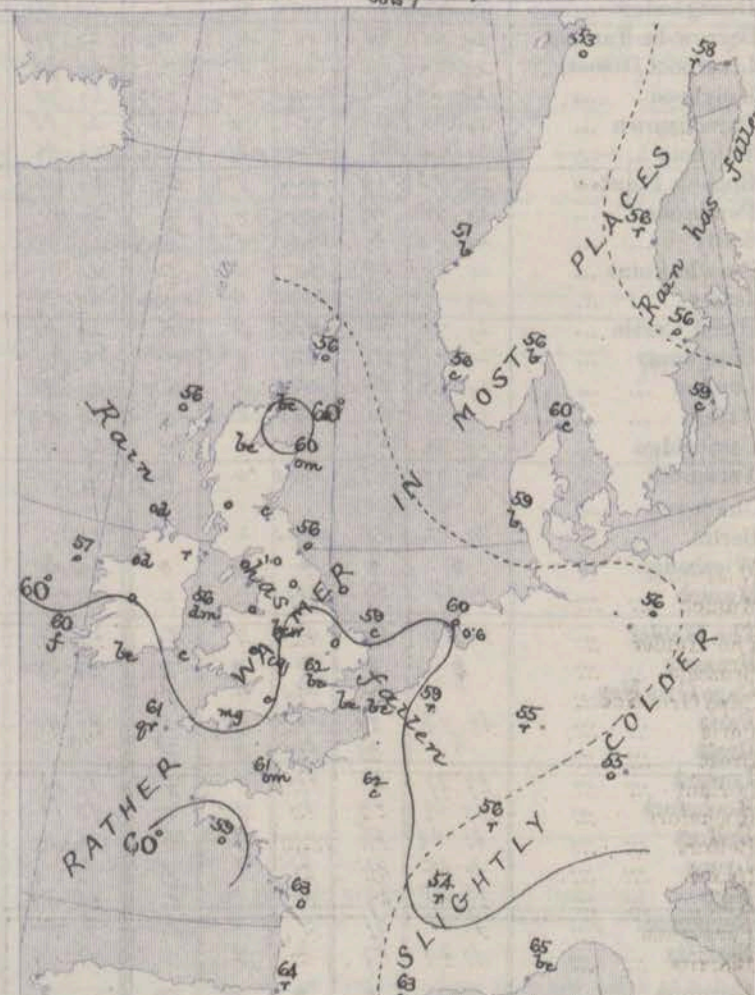
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MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
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Holyhead.....	64.3	55.0	58.5	56.4	2.89
Liverpool.....	65.7	54.3	58.7	55.5	2.79
Parsonstown.....	66.2	51.7	57.0	55.7	3.48
Valencia.....	65.0	54.1	59.4	57.0	4.65
Roche's Point.....	66.6	53.9	59.0	56.4	3.59
Pembroke.....	63.7	55.8	58.9	56.6	2.91
Selly.....	64.9	57.2	61.1	59.0	2.45
Jersey.....	69.0	57.4	63.1	60.0	2.26
Hurst Castle.....	68.1	56.1	61.2	59.1	2.31
Dover.....	67.1	57.2	62.6	59.0	2.06
LONDON.....	71.8	53.7	61.4	57.8	2.20
Oxford.....	69.2	53.4	59.2	56.4	2.33
Cambridge.....	71.3	62.1	60.2	57.3	2.25
Yarmouth.....	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. to 30.2 ins. over the Iberian Peninsula, the Bay of Biscay, the Sth part of France & Switzerland.
Lowest 29.4 ins. and less over the Gulf of Bothnia; 29.6 ins. and less, in a shallow depression lying to the North of our Islands.
Gradients slight. Barometer rising in England and the south of Ireland, but falling in most other localities.

TEMPERATURE

Highest 65° at Dungeness and Nice, 64° at Biarritz, 63° at Rocher's Point, Rochefort and Perpignan, and 62° at Cambridge, Paris and in London.
Lowest 51° at Christiansund, 53° at Bordeaux, 52° at Lyons, and 55° at Wiesbaden and Munich.
The highest maxima registered over our Islands were 68° at Port Antonio, and 67° in London, and in Cambridge.

WIND

SW^{ly} or W^{ly} over our Islands, the Netherlands, Germany and the North of France, fresh in force at the Channel stations.
Light from the NW or N in Sweden, the South of Norway and the extreme South of France.

WEATHER

Fine in the north of Scotland and the southeast of England, as well as in Denmark and the south of Norway.
Cloudy or overcast elsewhere, with rain in the north of Ireland, and the east and central parts of France.
Rain fell generally yesterday, the largest amounts being 1.0 in. at Barrow-in-Furness, 0.6 in. at the Helder, and 0.4 in. at Cork and Hurst Castle.

SEA

Rather rough in the English Channel, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It is probable that the shallow disturbances referred to above will cause passing showers in most places today, to be followed by a fine and rather cold night.

FORECASTS

For the 24 hours ending at NOON on 16TH AUGUST 1889.

DISTRICTS.

FORECASTS.

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

SW^{ly} to NW^{ly} winds, light or moderate;
some showers.
W^{ly} and NW^{ly} breezes, moderate;
some showers, bright intervals.

DISTRICTS.

FORECASTS

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

SW^{ly} to NW^{ly} winds, moderate;
cloudy, showery to fair.

WARNINGS

None Issued.

No. 1.—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.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.62	58	57	NW 6	C	3	Holyhead ...	29.69	60	59	SW 6	om	5
Sumburgh Head ...	29.69	57	54	X 0	C	0	Valencia ...	29.88	62	60	NW 3	om	3
Stornoway ...	29.61	56	56	SW 2	0	3	Scilly ...	29.88	61	61	WSW 5	F	4
Aberdeen ...	29.66	56	58	S 2	0	2	Jersey ...	30.03	60	58	SSW 5	OT	4
Shields ...	29.70	57	56	SW 2	7	2	Dungeness ...	29.92	62	57	WSW 5	C	4
Ardrossan ...	29.60	61	60	SSW 1	C	0	London ...	29.90	62	57	SW 4	OT	*
Malin Head ...	29.62	57	58	NW 5	om	3	Yarmouth ...	29.85	62	57	WSW 3	Cp	2
Mullaghmore ...	29.72	60	58	WSW 6	Cmfo	4	Rochefort ...	30.26	69	61	WNW 4	bc	2
Belmullet ...	29.78	57	57	WSW 5	0	*							

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

The reports for yesterday morning showed that pressure was highest, 30.3 ins. and upwards, in an anticyclone lying over the North of Spain, and lowest, 29.3 ins. and less, in a small depression lying over the Gulf of Finland. Another disturbance with readings below 29.6 ins. was, however, approaching the west of Scotland. The wind was moderate to fresh from the SWnd over Ireland, England and the North of France, and light or moderate from the Snd in Scotland. Over Germany, Denmark and the South of France, however, moderate Wth or NWth breezes were reported, and in Lapland and North Russia moderate Eth breezes. In Italy the wind was very variable, while in Spain and Algeria it was chiefly NEth. Rain was falling in all the more western parts of the United Kingdom, as well as at Haparanda, Helsingfors and Vienna, and cloudy weather was reported in all but the southern countries of Europe where conditions were fine. Temperature had risen a little in France and the west and south of our Islands, but fallen in most other localities; readings ranged from between 75° and 80° over the central and southern parts of the Mediterranean to 55° or less, over the northern parts of the United Kingdom and the west of Norway, as well as in some parts of France and Germany. The highest individual readings were 81° at Brindisi, 80° at Constantinople and La Caille, 79° at Palermo, 76° at Baghari, and 74° at Lesina, Oran and Algiers; the lowest were 49° at Limoges, 52° at Bodi, 53° at Christiansund, Stornoway and Munich, 54° at Sumburgh Head, Hain and Shields, and 55° at Leith, Ardrossan, Donaghadee and Liverpool.

In the course of the day the depression off the west of Scotland travelled away northeastwards, but a "V shaped" secondary disturbance advanced eastwards over the United Kingdom and occasioned heavy rain in many places. In the rear of these depressions the wind on our west coasts veered to the NWnd.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for FRIDAY 16th AUGUST 1889.

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

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)		SHADE TEMP.		Amount of Rainfall.
			Dir.	Force. (0 to 12.)			Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ..	29.59	SE	2	C		29.51	-0.01	59	53	-1	NW	4	0	*		61	54	0.12
	Hernösand ...	29.44	SE	0	C		29.35	-0.05	58	53	+2	N	2	0	*		66	52	—
	Stockholm ...	29.42	W	2	C		29.38	-0.01	61	57	+5	W	2	0	*		64	52	—
	Wisby ...	29.58	NW	4	bc		29.59	0.00	59	56	0	NW	2	0	*		63	53	—
	Bodö ...	29.59	SE	0	0		29.50	-0.06	53	51	0	N	1	0	1		58	50	—
	Christiansund...	29.54	NW	3	C		29.52	-0.02	52	50	+1	SW	3	bc	2		59	41	—
	Skudesnaes ...	29.58	SE	0	C		29.58	-0.03	53	52	-1	SE	0	0	3		63	53	0.24
	Christiania Fjord (Færder)	29.47	SW	4	C		29.43	-0.10	60	57	+4	NE	3	C	3		64	53	—
	Skagen (The Scaw)	29.49	W	3	C		29.45	-0.06	60	56	0	W	3	C	3		66	53	—
	Fanö ...	29.67	W	4	C		29.60	-0.02	61	56	+2	NW	6	C	*		64	53	0.16
BRITISH ISLANDS.	Sumburgh Head	29.54	WNW	1	0		29.65	+0.10	56	53	0	WNW	3	C	3		59	52	0.25
	Stornoway ...	29.65	W	4	C		29.69	+0.10	56	54	0	W	3	0	4		60	51	0.06
	Wick ...	29.60	NW	2	bc		29.70	+0.13	58	53	-2	N	3	C	1		68	48	0.40
	Nairn ...	29.60	W	2	C		29.73	+0.13	57	53	-2	W	2	C	1		64	51	—
	Aberdeen...	29.62	W	1	C		29.77	+0.15	60	54	0	SW	2	C	1		62	50	0.14
	Leith ...	29.68	W	4	C		29.83	+0.18	61	53	+2	W	2	C	*		67	52	—
	Shields ...	29.65	SW	4	C		29.87	+0.19	57	51	-3	WNW	3	bc	2		64	50	—
	Spurn Head ...	29.74	W	6	C		29.92	+0.18	59	56	+1	WNW	3	C	3		65	54	—
	York ...	29.75	W	4	C		29.92	+0.18	59	56	0	W	3	C	*		66	49	—
	Loughborough	29.83	W	2	C		29.98	+0.18	61	58	0	W	1	CW	*		71	50	—
GERMANY.	Ardrossan ...	29.75	W	4	C		29.83	+0.15	59	56	0	SW	4	0	3		63	54	0.01
	Malin Head ...	29.80	WNW	4	of		29.80	+0.17	56	54	-1	SW	4	of	2		60	54	0.08
	Mullaghmore ...	29.88	W	4	of		29.84	+0.09	58	53	0	SW	3	0	2		60	53	0.02
	Belmullet ...	29.86	W	2	0		29.81	+0.01	58	56	+1	SW	2	0	*		61	53	—
	Donaghadee ...	29.82	WNW	5	bc		29.88	+0.17	58	57	+2	WNW	3	m	1		69	54	0.02
	Barrow-in-Furness	29.78	NW	4	C		29.90	+0.16	59	56	+2	SW	3	0	*		62	56	0.05
	Liverpool (Bidston)	29.84	W	4	C		29.94	+0.16	60	57	+1	W	3	bc	3		66	57	—
	Holyhead ...	29.87	WNW	3	C		29.95	+0.17	58	56	+2	WNW	1	of	2		68	53	0.01
	Parsonstown ...	29.92	SE	0	bc		29.91	+0.08	59	56	-1	SE	0	C	*		67	53	—
	Valencia ...	30.01	WNW	3	of		29.88	-0.08	60	59	0	SW	3	rm	4		62	54	0.08
FRANCE & NETHERLANDS.	Roche's Point...	29.96	W	4	bc		29.93	+0.04	58	57	-5	SW	3	f	3		66	56	—
	Pembroke ...	29.94	WNW	4	C		30.00	+0.15	58	57	-1	SW	3	of	3		63	57	—
	Scilly ...	30.05	W	5	of		30.06	+0.09	61	61	0	WNW	2	of	5		63	59	0.01
	Prawle Point ...	30.00	W	3	bc		30.07	+0.16	59	59	+1	W	3	f	3		65	56	0.06
	Jersey ...	30.05	W	5	of		30.12	+0.14	62	61	+1	W	5	of	4		65	59	0.08
	Hurst Castle ...	29.94	WNW	4	C		30.05	+0.17	62	61	+1	WNW	3	C	3		70	59	—
	Dungeness ...	29.86	W	5	C		30.00	+0.21	63	60	-2	WNW	4	C	2		69	53	—
	London ...	29.85	W	2	C		30.02	+0.19	62	60	0	W	1	C	*		72	53	—
	Oxford ...	29.90	WNW	4	bc		30.01	+0.17	60	58	0	WNW	2	CW	*		71	53	—
	Cambridge ...	29.82	SW	2	bc		30.01	+0.22	62	58	0	W	1	C	*		72	52	—
PENINSULA.	Yarmouth ...	29.79	W	1	C		29.94	+0.19	60	56	+1	WNW	3	C	2		65	54	—
	Cuxhaven ...	29.73	W	3	C		29.66	-0.07	61	59	-2	NW	6	C	*		62	53	0.08
	Berlin ...	29.73	W	2	0		29.73	-0.02	57	56	+1	SW	2	0	*		61	52	0.16
	Wiesbaden ...	*	*	*	*		29.97	+0.17	64	61	+9	SW	4	C	*		70	53	0.04
	Munich ...	30.03	?	5	0		30.08	+0.10	57	57	+2	SW	6	0	*		61	54	0.43
	The Helder ...	29.79	SW	1	C		29.88	+0.26	60	56	0	WNW	3	C	3		64	59	—
	Brussels ...	*	*	*	*		30.00	+0.24	62	60	+3	WNW	2	0	*		69	?	—
	Cape Gris Nez...	?	W	4	0		?	?	60	59	-2	W	4	bc	4		64	59	—
	Paris ...	30.01	SW	2	0		30.12	+0.22	63	60	+1	SW	1	bc	*		75	61	—
	Brest ...	?	WNW	3	m		?	?	60	58	0	W	1	m	4		66	53	0.08
PENINSULA.	Lorient ...	30.13	WNW	4	m		30.20	+0.12	60	60	+1	W	3	f	4		63	59	0.04
	Rochefort ...	30.28	WNW	5	m		30.25	+0.13	64	64	+1	WNW	4	0	2		70	59	—
	Belfort ...	30.07	W	2	P		30.11	+0.19	61	52	+5	NW	3	bc	*		63	?	0.24
	Lyons ...	30.10	SW	1	0		30.20	+0.11	63	62	+9	SW	1	0	*		72	?	0.08
	Nice ...	29.89	WNW	2	C		30.03	+0.10	67	64	+2	W	1	C	0		77	57	—
	Perpignan ...	30.11	W	4	C		30.19	+0.04	70	62	+9	W	4	C	*		83	66	—
	Biarritz ...	30.29	WNW	4	0		30.25	+0.06	68	64	+1	SW	1	0	2		72	63	0.12
	Corunna ...	*	*	*	*		*	*	*	*	*	*	*	*	*		*	*	*
	Lisbon ...	30.01	W	5	C		30.01	-0.18	75	62	+7	NW	5	C	2		84	?	—

WEATHER CHARTS

for 8 a.m. on

Friday, 16th August

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4.
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:

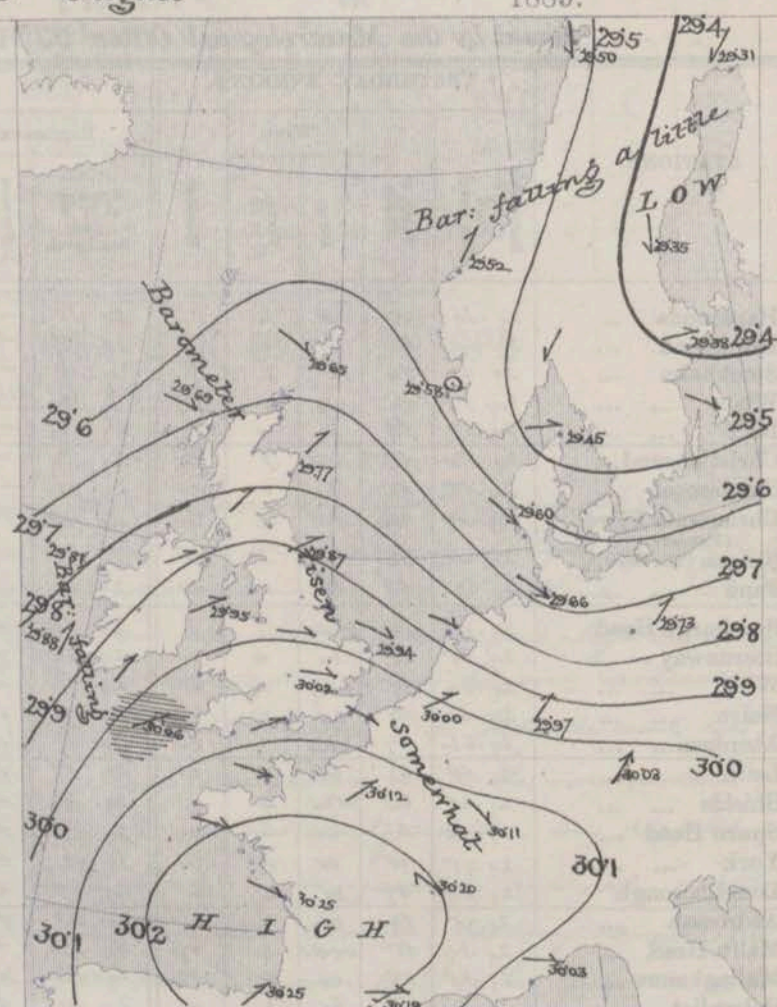
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.00 ins. to 30.25 ins. in an anticyclone covering Spain, France, the Bay of Biscay and the southern coast of England.
 Lowest 29.4 ins. and less, over Finland and the Gulf of Bothnia, 29.7 ins. at Skomaway, 29.9 ins. at Valencia.
 Gradients moderate; favourable for NW winds in the east, S.W. in the west; latter increasing.
 Barometer falling briskly in the extreme west, rising slowly in the east.

TEMPERATURE

Highest 75° at Lisbon, 70° at Perpignan, 64° at Nice, 65° at Biarritz, 64° at Wiesbaden, 63° at Nice, 62° in London, 60° at Aberdeen.
 Lowest 52° at Christiansund, 56° at Skomaway, and Malin Head, 54° at Ardrossan and Berlin.
 It rose to 70° and more, in many parts of England yesterday afternoon.

WIND

Light N.W. in Sweden, strong NW in Denmark and Holstein, moderate SW in Germany.
 Moderate W. over the greater part of England and north of France (fresh in the Channel).
 Moderate SW to S.W. on our western coast — NE at Lisbon.

WEATHER

Dull over Scandinavia. Fine over the North Sea, France, and the east of England.
 Very foggy off our southwest coasts — dull and unsettled in Ireland, with rain and mist at Valencia.

SEA

Rather rough, and rising in the southwest, moderate to smooth in other places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fresh fall of the barometer in the west points to the advance of a fresh series of depressions to our coasts from the Atlantic, which will probably cause strong S.W. winds and rain in the west today. The rainy weather will extend to our southern and eastern coasts later.

FORECASTS

For the 24 hours ending at NOON on 17TH AUGUST 1889.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | S.W. winds, freshening; becoming unsettled, gusty and rainy. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | SW. breezes, light to moderate; fine today, rainy later. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | SW. breezes, moderate; fine, warm, freshening later, unsettled with rain. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS

- | | | |
|---|---------------|--|
| 6 | SCOTLAND WEST | S.W. and SW. winds, increasing in force; dull, showery, unsettled. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | S.W. winds, strong, squally, rainy. |
| 0 | IRELAND SOUTH | |

WARNINGS

None Issued at present.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...	29.63	63	53	WNW 4	C	3	Holyhead ...	29.84	64	60	WNW 4	C	4
Sumburgh Head ...	29.54	57	56	WNW 2	C	2	Valencia ...	30.00	62	62	W 2	od m	4
Stornoway ...	29.59	60	57	W 4	C	4	Scilly ...	30.02	62	62	W 5	f	3
Aberdeen ...	29.62	57	56	ENE 1	og f	2	Jersey ...	30.03	65	63	W 5	og m	5
Shields ...	29.68	60	58	SW 1	o	2	Dungeness ...	29.85	65	62	WNW 6	C	4
Ardrossan ...	29.67	61	57	W 2	C	1	London ...	29.85	68	62	W 2	o	*
Malin Head ...	29.76	57	53	WNW 6	o	4	Yarmouth ...	29.79	64	61	WNW 2	bc	3
Mullaghmore ...	29.86	58	56	W 5	od	4	Rochefort ...	30.23	66	65	WNW 5	o	2
Belmullet ...	29.91	59	57	WNW 3	o	*							

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

The continental information not yet received.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 3 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for SATURDAY 17TH AUGST 1889.

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

		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.		Min.	
SCANDINAVIA.	Haparanda ..	29.07	54	N	2	0	29.05	-26	56	54	-1	N	4	P	*	61	52	0.39	
	Hernösand ...	29.31	59	WNW	4	0	29.23	-02	56	50	-2	N	6	bc	*	68	52	—	
	Stockholm ...	29.41	59	W	2	0	29.50	+12	58	52	-3	W	2	bc	*	68	52	—	
	Wisby ...	29.63	59	SW	4	0	29.65	0	58	56	-1	WNW	6	bc	*	64	53	—	
	Boðö ...	29.48	53	W	0	0	29.29	-11	49	48	-4	WNW	2	P	2	53	48	0.04	
	Christiansund...	29.59	53	N	1	bc	29.49	-02	53	51	+3	E	3	C	1	61	50	—	
	Skudesnaes ...	29.70	56	WNW	2	bc	29.39	-19	53	53	0	WNW	6	P	4	59	52	0.08	
	Christiania Fjord (Færd)	29.51	62	WNW	5	bc	29.56	+13	58	51	-2	W	3	0	3	66	57	—	
	Skagen (The Scaw)	29.60	58	NW	5	bc	29.61	+16	56	53	-4	W	3	P	3	66	53	—	
	Fanö ...	29.82	58	W	5	bc	29.69	+09	61	57	0	SW	6	C	*	64	57	0.04	
BRITISH ISLANDS.	Sumburgh Head	29.62	56	W	0	C	29.04	-61	54	54	-2	SW	1	0	5	61	51	0.59	
	Stornoway ..	29.54	55	S	4	P	29.28	-41	53	53	-1	SW	4	C	4	60	50	0.25	
	Wick ...	29.61	56	S	3	0	29.24	-46	53	53	0	W	6	bc	3	62	51	0.25	
	Nairn ...	29.53	58	W	2	0	29.31	-42	53	53	+1	W	4	0	1	63	53	0.42	
	Aberdeen...	29.68	54	S	2	0P	29.37	-40	61	54	+1	WNW	4	bc	3	66	54	0.46	
	Leith ...	29.63	59	SW	1	C	29.47	-36	58	53	-3	W	5	C	*	65	54	0.07	
	Shields ...	29.75	62	SW	3	0P	29.51	-36	57	54	+4	WNW	4	bc	2	64	51	0.01	
	Spurn Head ...	29.82	67	SW	3	0	29.63	-29	63	61	+4	SW	6	C	4	71	7	0.01	
	York ...	29.82	65	WNW	3	P	29.62	-30	61	57	+2	W	3	bc	*	69	57	0.11	
	Loughborough	29.86	68	SW	3	C	29.68	-30	63	60	+2	SW	4	C	*	74	59	0.12	
BRITISH ISLANDS.	Ardrossan ...	29.56	58	SW	3	P	29.51	-32	58	56	+1	WNW	5	bc	4	59	54	0.36	
	Malin Head ...	29.44	59	SW	5	0P	29.52	-28	56	52	0	W	5	bc	4	60	53	1.02	
	Mullaghmore ...	29.49	60	S	5	P	29.62	-22	56	53	-2	WNW	6	bc	5	63	52	1.16	
	Belmullet ...	29.52	54	WNW	3	P	29.64	-17	57	54	-1	W	6	bc	*	61	54	0.70	
	Donaghadee ...	29.59	62	SW	4	C	29.61	-23	56	54	-2	W	6	bc	4	64	56	0.37	
	Barrow-in-Furness	29.70	61	SW	6	0	29.58	-32	57	53	-2	WNW	5	C	*	63	56	0.13	
	Liverpool (Bidston)	29.74	65	SW	5	0	29.67	-27	58	53	-2	W	5	C	4	69	56	0.12	
	Holyhead ...	29.75	53	SW	6	0P	29.69	-26	58	56	0	W	4	bc	4	64	54	0.14	
	Parsonstown ...	29.63	63	W	0	0	29.73	-18	56	53	-3	W	0	bc	*	67	57	0.35	
	Valencia ...	29.64	61	SW	7	P	29.81	-07	60	56	0	WNW	2	C	4	68	53	0.38	
BRITISH ISLANDS.	Roche's Point...	29.71	60	SW	6	P	29.79	-14	57	54	-1	W	4	bc	4	62	50	0.50	
	Pembroke ...	29.84	60	SW	6	0	29.79	-21	57	54	-1	WNW	5	bc	5	61	56	0.19	
	Scilly ...	29.95	61	SW	5	0P	29.86	-20	60	58	-1	WNW	4	bc	5	66	57	0.04	
	Prawle Point ...	29.99	57	WNW	4	P	29.84	-23	57	57	0	WNW	5	bc	4	59	56	0.03	
	Jersey ...	30.08	64	WNW	3	C	29.93	-15	61	61	+1	SW	4	bc	3	65	60	0.02	
	Hurst Castle ...	30.02	62	WNW	5	0	29.84	-21	60	60	-2	WNW	7	mod	5	68	60	—	
	Dungeness ...	29.98	62	W	4	C	29.85	-15	63	61	0	WNW	5	C	4	69	61	—	
	London ...	29.95	69	SW	3	C	29.80	-22	63	60	+1	SW	5	0	*	75	60	—	
	Oxford ...	29.91	64	SW	3	0	29.76	-25	62	59	+2	SW	5	0	*	72	59	0.09	
	Cambridge ...	29.89	68	SW	1	bc	29.75	-26	63	61	+1	SW	3	C	*	74	59	0.03	
GERMANY.	Yarmouth ...	29.93	65	S	3	bc	29.74	-20	63	60	+3	SW	5	C	4	69	59	—	
	Cuxhaven ...	29.89	58	WNW	5	C	29.84	+18	57	53	-4	SW	3	0	*	64	56	—	
	Berlin ...	29.91	61	WNW	3	bc	29.98	+25	58	53	+1	SW	2	bc	*	63	52	0.04	
	Wiesbaden ...	*	*	*	*	*	30.08	+11	57	57	-5	NW	1	0	*	70	52	—	
	Munich ...	30.17	59	W	1	bc	30.18	+10	60	58	+3	SW	3	bc	*	66	48	0.32	
	The Helder ...	29.97	61	SW	1	bc	29.79	-09	63	61	+3	SW	4	C	3	64	53	—	
	Brussels ...	*	*	*	*	*	29.93	-07	66	63	+4	SW	3	C	*	70	60	—	
	Cape Gris Nez...	?	62	WNW	4	0	?	?	63	61	+3	WNW	5	0	4	68	57	—	
	Paris ...	30.19	70	SW	1	bc	30.02	-10	59	59	-4	SW	2	bc	*	77	56	—	
	Brest ...	?	60	SW	3	0	?	?	60	59	0	SW	3	P	5	64	54	0.08	
FRANCE & NETHERLANDS.	Lorient ...	30.13	64	S	3	0	29.97	-23	63	61	+3	WNW	2	C	2	68	57	—	
	Rochefort ...	30.17	71	NW	1	C	30.02	-23	64	63	0	SW	3	bc	2	?	57	—	
	Belfort ...	30.12	61	N	2	bc	30.15	+04	59	52	-2	NW	1	bc	*	67	48	—	
	Lyons ...	30.14	70	N	1	bc	30.10	-10	61	57	-2	SW	1	bc	*	75	53	—	
	Nice ...	30.08	69	WNW	3	bc	30.10	+07	67	63	0	WNW	3	bc	1	77	61	—	
	Perpignan ...	30.08	77	W	2	bc	30.13	-06	67	63	-3	W	0	bc	*	86	56	—	
	Biarritz ...	30.10	76	E	3	bc	29.99	-26	70	63	+5	?	2	bc	0	79	63	—	
	Corunna ...	*	*	*	*	*	30.09	-10	73	65	+4	N	2	C	4	81	57	—	
	Lisbon ...	29.88	82	WNW	5	*	29.99	-02	70	62	-5	WNW	2	bc	?	?	?	—	
PENINSULA.																			

For Explanation of Columns, see p. 4.

‡ Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on *Saturday 17th August.*

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;

→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

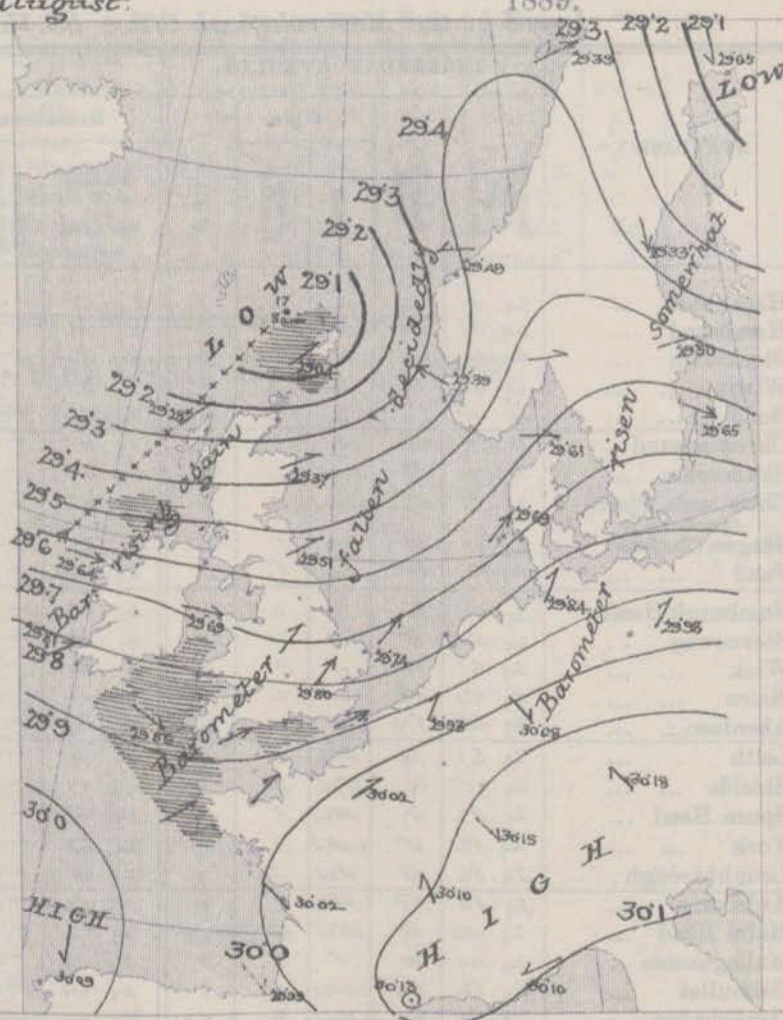
☼ = Rough. ☼ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.815
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.905
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.921
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.969
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

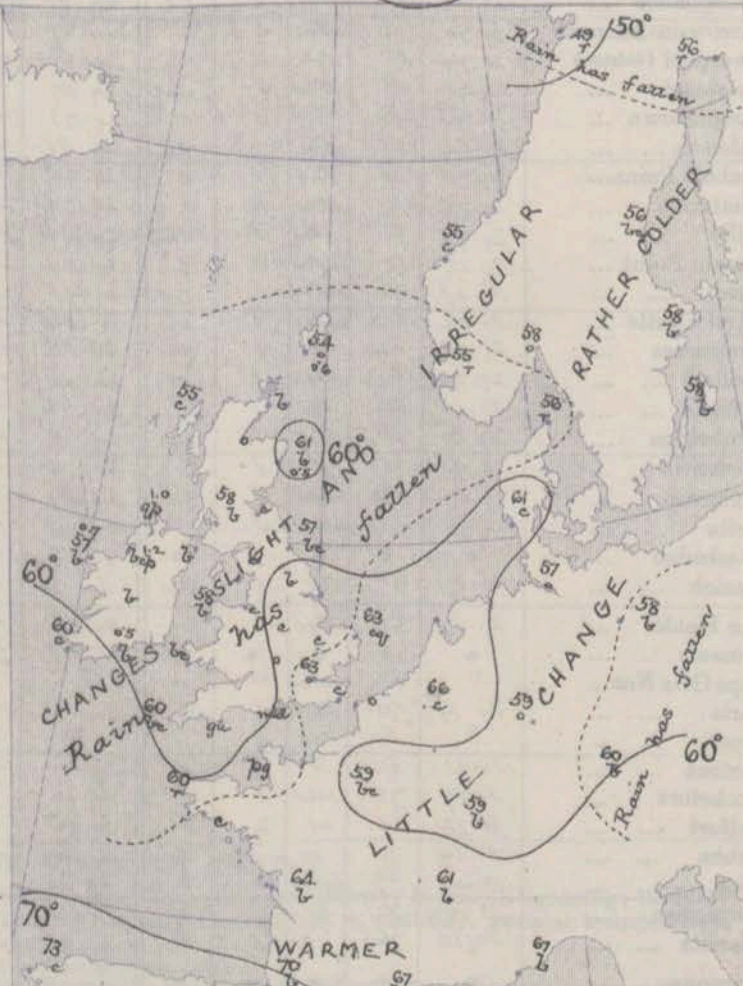
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	67.9	48.5	53.8	52.0	3.21
Stornoway.....	58.5	49.0	55.2	53.3	3.57
Wick.....	61.1	48.5	55.2	53.2	2.35
Nairn.....	63.4	50.2	55.6	52.7	2.81
Aberdeen.....	63.1	50.2	56.7	53.6	3.13
Leith.....	65.8	51.4	57.6	54.6	2.62
Shields.....	63.5	52.3	57.5	54.9	2.81
York.....	68.1	51.4	58.0	55.3	2.47
Loughborough.....	70.5	52.1	59.9	57.4	2.61
Ardrossan.....	64.0	53.1	57.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	53.6	2.99
Holyhead.....	64.3	55.0	58.5	56.4	2.89
Liverpool.....	65.7	54.3	58.7	55.5	2.79
Parsonstown.....	66.2	51.7	57.6	55.7	3.48
Valencia.....	65.0	54.1	59.4	57.0	4.65
Roche's Point.....	66.6	53.9	59.0	56.4	3.59
Pembroke.....	63.7	55.8	58.0	56.6	2.91
Scilly.....	64.9	57.2	61.1	59.0	2.45
Jersey.....	69.0	57.4	63.1	60.0	2.26
Hurst Castle.....	68.1	56.1	61.2	59.1	2.31
Dover.....	67.1	57.2	62.6	59.0	2.06
LONDON.....	71.8	63.7	61.4	57.8	2.20
Oxford.....	69.2	63.4	59.2	56.4	2.33
Cambridge.....	71.3	62.1	60.2	57.3	2.25
Yarmouth.....	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.00 ins. to 30.15 ins. in an anticyclone lying over South Germany and the southern and eastern parts of France. Lowest 29.1 ins. and less, in a well marked depression near the Shetlands, and in another near Copenhagen. Gradients somewhat steep for W. winds, over the United Kingdom, slight over Norway. Barometer beginning to rise in the west and north, falling slightly in the east.

TEMPERATURE

Highest 70° at Bearisly, 67° at Perpignan and Nice, 63° at Lorient, Jersey, 60° at Cape Gris Nez and London. Lowest 49° at Rods, 54° at Lumburg Head, 55° at Christiansund, Skudesnæs and Hovø, 56° at Donaghadee, Parsonstown and the Heav. It rose to between 70° and 75° over the inland part of England yesterday, and to 86° at Perpignan.

WIND

- (1) W. over the British Islands generally, moderate at some northern and south-eastern stations, but strong generally elsewhere - E. in the west of Norway.
- (2) N. in the North of Sweden, W. over the Baltic - SW. in Denmark. It blew a gale at some of our south-western stations last night.

WEATHER

Rainy in the North of Scandinavia - Variable (cloudy to clear) in our Islands, and squally in several places - Fair over France. Rain has fallen except in the southeast - heavily in the northwest and north. The fog prevalent in the southwest yesterday has dispersed.

SEA

Rather rough in the English Channel, smooth on our northeast coasts and over the Bay of Biscay slightly elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now rising rather irregularly in our Islands, and it appears probable that the N. wind will subside very slowly in the west, but blow strongly at times in the south and east during the day. The warning signals have therefore been lowered on our west and southwest coasts.

FORECASTS

For the 24 hours ending at NOON on 18TH AUGUST 1889.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	} W. breezes, fresh; gusty, perhaps a shower or two.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	} W. breezes, strong and squally to fair.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS

6	SCOTLAND WEST	} W. and S.W. breezes, strong; squally, some showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	} W. breezes, moderating slowly; fair as a whole, gusty.
0	IRELAND SOUTH	

WARNINGS

The S. Cone was hoisted yesterday in district 5, 4, 10 and part of 3, but has been lowered again this morning except in district 5, the part of 3.

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.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.67	59	53	WNW 4	c	3	Holyhead ...	29.85	59	58	SWW 5	dm	4
Sumburgh Head ...	29.65	60	56	W 3	c	3	Valencia ...	29.78	62	61	S 7	om	6
Stornoway ...	29.63	59	56	W 4	o	4	Scilly ...	30.11	65	63	SWW 5	c f	5
Aberdeen ...	29.75	62	53	SW 3	o	1	Jersey ...	30.13	64	63	W 4	om	3
Shields ...	29.82	63	57	SW 3	c	2	Dungeness ...	30.02	62	?	W 4	bc	3
Ardrossan ...	29.75	59	58	SW 3	o f	2	London ...	29.98	74	64	WSW 3	bc	*
Malin Head ...	29.65	59	56	SE 3	o. p	3	Yarmouth ...	29.97	64	58	SE 3	bc	3
Mullaghmore ...	29.62	61	57	SE 5	p o	3	Rocheport ...	30.24	73	69	WNW 3	bc	2
Belmullet ...	29.58	61	60	SW 5	o.	*							

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

The reports for yesterday morning showed that pressure had increased except over Finland and Northern Russia, where a rather decided decrease had taken place, and a well formed depression was profound. Readings ranged from between 30.00 and 30.25 in. in an anticyclone which lay over Spain, France, the Bay of Biscay and southern counties of England, to 29.4 in. and less over extreme northwestern coasts, and to 29.2 in. and less over central Finland. The wind was NE^{ly} over Spain and the western part of Italy, very variable at the other south European stations; it was W^{ly} and SW^{ly} over central Europe, and varied between SW. and NW. in most other places. Over the Baltic and northern Europe there was a cyclonic circulation of moderate winds round the depression mentioned above, while in the west of our Islands the wind was backing to the S^{wd} and freshening. The weather was fine over southern and southeastern Europe, as well as over the North Sea and the east and southeast of England; elsewhere it was cloudy or overcast, with rain at St. Petersburg, on the one hand, and in the west of Ireland, on the other. Temperature was inclined to increase over the United Kingdom, but was decidedly low over the Mediterranean (even on the southern shores) than it had been recently. The highest morning readings were 77° at Barcelona, Palma and La Calle, and Brindisi, 75° at Cagliari and Constantinople, 73° at Annaba and Sanguinaria, 72° at Oran, 71° at Lesina and Trieste, 70° at Malta; the lowest were 52° at Christiansund, 53° at Moscow, Warsaw and Rode, 54° at Helsingfors, 55° at Kiev, Simenunde, Skudsnæs and Kuopio, 56° at Lemberg, Stornoway, Sumburgh Head and Ulenborg, and 57° at Berlin, Breslau and Cracow.

Later in the day a complex set of depressions came over Ireland from the Atlantic, and the SW^{ly} wind increased in force over our western districts with rain.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Sunday 18th August 1883
 Issued by the Meteorological Office, 63 Victoria Street, London. R.H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.13	53	Z	0	b	29.15	+ .13	55	52	—	1	W	4	b	*	57	52	0.24
	Hernösand ...	29.33	51	Z	0	b	29.25	— .08	58	53	+	2	SW	2	b	*	72	52	—
	Stockholm ...	29.47	59	WSW	2	o	29.49	— .01	60	54	+	2	W	4	b	*	70	50	—
	Wisby ...	29.73	59	NN	8	r	29.74	+ .09	58	54	—	0	W	4	b	*	64	55	0.04
	Boö ...	29.06	49	W	2	r	29.19	— .20	48	48	—	1	W	2	r	1	52	46	0.39
	Christiansund...	29.25	57	E	2	o	29.30	— .19	55	51	—	0	W	4	c	2	61	50	0.04
	Skudesnaes ...	29.49	57	SSW	4	o	29.56	+ .47	57	54	+	2	SW	5	o	4	59	54	0.16
	Christiania Fjord (Fjorden)	29.42	63	WSW	6	b	29.52	— .04	59	55	+	1	WSW	6	b	5	63	57	0.12
	Skagen (The Scaw)	29.55	58	W	5	b	29.60	— .01	60	55	+	4	W	4	o	2	63	55	0.16
	Fanö ...	29.71	58	WSW	4	b	29.78	+ .09	62	57	+	1	W	5	b	*	64	57	—
BRITISH ISLANDS.	Sumburgh Head	29.27	55	W	6	c	29.39	+ .35	55	53	+	1	W	4	c	5	58	51	0.03
	Sornoway ...	29.41	56	SW	4	b	29.49	+ .21	56	53	+	1	W	4	b	4	59	49	0.16
	Wick ...	29.40	57	WSW	c	b	29.49	+ .25	58	52	—	0	WNN	4	c	3	64	49	—
	Nairn ...	29.47	56	W	2	c	29.55	+ .24	54	51	—	4	WSW	3	b	2	63	51	0.01
	Aberdeen...	29.51	59	SW	3	c	29.60	+ .23	60	53	—	1	SW	2	b	1	67	57	—
	Leith ...	29.60	60	W	4	c	29.67	+ .20	59	54	+	1	W	5	b	*	64	52	—
	Shields ...	29.66	63	WSW	4	c	29.73	+ .22	56	53	—	1	WSW	3	c	2	65	53	0.19
	Spurn Head ...	29.74	63	WSW	5	b	29.87	+ .24	59	56	—	4	SW	4	b	3	66	53	—
	York ...	29.75	62	W	3	b	29.85	+ .28	58	54	—	3	W	4	o	*	68	51	—
	Loughborough	29.81	64	W	3	b	29.93	+ .25	59	55	—	4	WSW	4	b	*	70	52	—
GERMANY.	Ardrossan ...	29.60	56	WSW	6	o	29.69	+ .17	52	51	—	4	W	5	c	4	62	49	0.31
	Malin Head ...	29.69	58	WSW	b	c	29.71	+ .45	57	54	+	1	SW	6	c	5	62	53	0.12
	Mullaghmore ...	29.70	58	W	4	c	29.78	+ .14	57	53	—	0	W	5	c	*	60	53	0.06
	Belmullet ...	29.69	60	WNN	4	b	29.78	+ .17	59	56	+	3	SW	4	b	2	66	55	0.08
	Barrow-in-Furness	29.72	59	S	6	c	29.79	+ .21	58	53	+	1	WSW	5	c	*	61	55	—
	Liverpool (Bidston)	29.79	59	SW	3	c	29.87	+ .20	59	53	+	1	WSW	3	c	3	64	54	—
	Holyhead ...	29.78	59	WSW	4	b	29.87	+ .18	58	55	—	0	WSW	5	c	4	63	55	—
	Parsonstown ...	29.80	59	Z	0	c	29.85	+ .12	56	54	—	0	Z	0	o	*	64	53	0.05
	Valencia ...	29.87	57	W	3	o	29.89	+ .08	60	55	—	0	SW	3	m	4	63	54	0.11
	Roche's Point...	29.88	63	W	4	b	29.92	+ .13	58	55	+	1	W	2	c	3	64	55	—
FRANCE & NETHERLANDS.	Pembroke ...	29.88	59	WSW	5	b	29.94	+ .15	59	56	+	2	WSW	4	c	4	61	56	0.03
	Scilly ...	29.97	60	WSW	3	b	29.99	+ .13	60	58	—	0	S	3	o	4	63	55	—
	Prawle Point ...	29.95	59	WSW	4	b	30.04	+ .20	59	58	—	0	SW	3	b	2	62	55	—
	Jersey ...	29.99	63	W	3	b	30.08	+ .15	60	58	—	3	WSW	3	b	3	65	52	—
	Hurst Castle ...	29.91	64	WSW	5	b	30.04	+ .20	61	60	+	1	W	4	b	3	68	55	—
	Dungeness ...	29.85	63	WSW	5	c	30.02	+ .17	62	58	—	1	W	4	c	2	68	52	0.01
	London ...	29.85	67	W	2	b	30.00	+ .20	59	55	—	4	WSW	2	c	*	72	50	—
	Oxford ...	29.86	57	WSW	3	b	29.99	+ .23	57	54	—	5	SW	1	c	*	69	50	—
	Cambridge ...	29.84	63	W	1	b	29.98	+ .23	59	55	—	4	SW	1	b	*	72	48	0.04
	Yarmouth ...	29.78	68	WNN	2	b	29.94	+ .20	59	55	—	4	W	4	b	2	71	50	—
PENIN- SULA.	Cuxhaven ...	29.79	61	W	4	b	29.87	+ .03	62	61	+	5	WSW	3	b	*	69	?	—
	Berlin ...	29.89	67	SW	2	o	29.93	— .05	64	62	+	6	W	2	c	*	75	61	0.08
	Wiesbaden ...	*	*	*	*	*	30.05	— .03	64	62	+	5	Z	0	b	*	77	57	—
	Munich ...	30.10	63	SE	2	b	30.17	— .01	69	63	+	9	SW	4	b	*	73	55	—
	The Helder ...	29.80	63	SW	3	c	29.94	+ .15	61	57	—	2	SW	2	b	3	68	61	—
	Brussels ...	*	*	*	*	*	30.05	+ .12	58	55	—	8	SW	1	b	*	73	55	—
	Cape Gris Nez...	?	61	WSW	5	b	?	?	59	55	—	4	W	3	b	3	68	57	—
	Paris ...	29.94	73	SW	2	b	30.10	+ .08	59	57	—	0	Z	0	b	*	82	53	—
	Brest ...	?	64	W	2	b	?	?	59	59	—	1	W	2	c	2	66	54	—
	Lorient ...	30.03	63	WNN	4	b	30.09	+ .12	56	55	—	7	E	2	b	2	66	52	—
PENIN- SULA.	Roche fort ...	30.05	68	NN	4	c	30.10	+ .08	61	54	—	3	ESE	1	c	2	77	54	—
	Belfort ...	30.13	65	SW	1	b	30.13	— .02	61	50	+	2	SW	1	c	*	72	51	—
	Lyons ...	30.00	78	SW	4	b	30.11	+ .01	66	60	+	5	S	1	o	*	85	54	—
	Nice ...	30.13	71	NNN	2	b	30.15	+ .05	69	62	+	2	E	1	b	1	87	63	—
	Perpignan ...	30.12	71	ENE	1	o	30.11	— .02	70	68	+	3	ENE	2	c	*	80	67	—
	Biarritz ...	30.10	68	W	4	o	30.00	+ .01	66	64	—	4	SE	4	c	3	73	64	0.04
	Corunna ...	*	*	*	*	*	30.00	— .09	60	59	—	13	ENE	2	o	2	75	57	—
	Lisbon ...	29.97	72	NN	4	b	29.97	— .02	69	63	—	1	NE	1	b	2	82	64	—

WEATHER CHARTS

for 8 a.m. on

Sunday, 18th August,

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4.
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

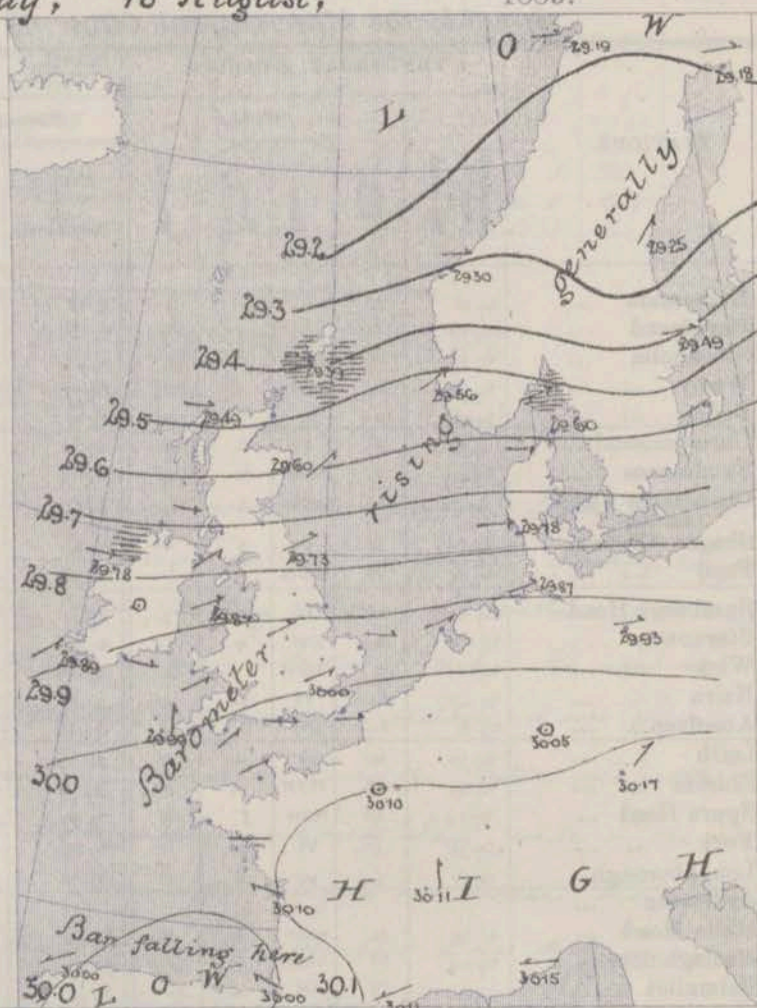
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.1 in. and upwards, in an anticyclone lying over the Central and Southern parts of France.</p> <p>Lowest, 29.2 in. and less, in the extreme north of Scandinavia.</p> <p>Gradients moderate over our Islands, Scandinavia, and the North Sea, but slight over France.</p> <p>Barometer rising generally, but steady at Valencia.</p>
TEMPERATURE	<p>Highest, 70° at Perpignan, 63° at Munich, Kiev and Riga, 66° at Lyons and Biarritz, and 64° at Berlin and Wiesbaden.</p> <p>Lowest, 48° at Bodo, 52° at Malin Head, 54° at Kaun, and 55° at Haparanda, Christiansund and Lumburgh Head.</p> <p>The highest maxima registered over our Islands yesterday were 72° in London and at Cambridge, 71° at Yarmouth, and 70° at Loughborough.</p>
WIND	<p>Light to fresh from the West or S.W. over our Islands, the North Sea, Scandinavia, Denmark, Germany, and the Netherlands.</p> <p>Light from N.E. in Spain, from E. in the south of France, and from S.E. in the southwest of France.</p>
WEATHER	<p>Fine generally, but dull in the extreme southwest of our Islands, showery in the north of Ireland, and raining at Bodo.</p> <p>Showers fell yesterday in many parts of the Kingdom.</p>
SEA	<p>Rather rough at Lander, Lumburgh Head and Mullaghmore, but moderate to smooth elsewhere.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 19th AUG^r 1889.

DISTRICTS.

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

FORECASTS.

NONE ISSUED

DISTRICTS.

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

WARNINGS

FORECASTS

NONE ISSUED

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.	Dry.	Wet.	Wind.	Wva.	Sea.		Bar.	Dry.	Wet.	Wind.	Wva.	Sea.
Skudesnaes ...	29.43	59	55	SW 6	r	4	Holyhead ...	29.77	62	56	WSW 4	bc	4
Sumburgh Head ...	29.16	56	53	W 7	bc	6	Valencia ...	29.67	63	57	WSW 5	bcp	5
Stornoway ...	29.37	59	55	W 4	bc	4	Scilly ...	29.95	63	60	W 4	bc	5
Aberdeen ...	29.46	65	54	WSW 5	bcp	3	Jersey ...	29.96	64	60	WNW 4	bc	3
Shields ...	29.62	63	56	WSW 4	c	2	Dungeness ...	29.83	63	62	WSW 6	cp	4*
Ardrossan ...	29.60	61	58	WSW 5	bc	4	London ...	29.80	69	63	W 3	bc	
Malin Head ...	29.58	60	54	W 6	bc	4	Yarmouth ...	29.74	71	64	WSW 4	c	3
Mullaghmore ...	29.68	61	56	WSW 6	c	5	Rocheport ...	30.02	77	71	NW 2	b	2
Belmullet ...	29.70	60	54	W 4	b	*							

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

The reports for yesterday morning showed that pressure was highest, 30.1 ins. and upwards, in a large anticyclone lying over the Adriatic, North Italy, and the southern parts of France and Germany, as well as in a smaller system lying near Tunis. The lowest reading 29.1 ins. and less, were found in two well defined depressions, one of which lay over Lapland and the north of Finland, while the other was situated to the northwards of Scotland. The wind was moderate to strong from the Wnd on the west coast of our Islands, from the SWnd over the southern parts of the North Sea, and from the SEnd or End in the west of Norway. Over Sweden, the Baltic, and North Russia a separate cyclonic circulation was shown round the depression lying in that region. In Spain, Algeria, and the south of France the wind was chiefly NEnd or Nnd, while in Italy, Central France, and the southern parts of Austria and Russia it was light and very variable. The weather was dull and unsettled over Northern Europe and the southern and northwestern portions of the United Kingdom, with rain in many places. Elsewhere, however, conditions were mostly fair. Temperature had changed little and irregularly and readings ranged from 75° and upwards at several of the Mediterranean stations to 55° or less in Central Russia, the west of Norway and the extreme north of our Islands. The highest individual readings were 81° at Barcelona and Aumale, 79° at La Calle, 77° at Brindisi, 75° at Malta, 74° at Constantinople, and 73° at Trieste, Larnaca, Kilia, Corunna, and Nemours; the lowest were 49° at Bodo, 54° at Sumburgh Head, 55° at Uleaborg, Havem, Mäml, Kivi, Christiansund, Skudenes and Stornoway.

In the course of the day the depression to the northward of Scotland travelled away in a northerly direction, and the winds on our coast decreased somewhat in force. No important change was observed in the weather.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Monday, August 19th, 1889.*
Issued by the Meteorological Office, 63 Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Dirac.	Force. (0 to 12.)		Reading at 8 ^h P.M. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)		Weather.	Max.		Min.	
SCANDINAVIA.	Haparanda ..	29.26	54	WNW	2	c	29.33	+15	55	51	0	SW	2	bc	*	59	50	-	
	Hernösand ...	29.43	56	NW	2	c	29.47	+22	58	52	0	WNW	2	b	*	70	48	-	
	Stockholm ...	29.51	59	W	4	o	29.65	+16	59	53	-1	W	4	b	*	68	55	-	
	Wisby ...	29.78	59	WNW	6	b	29.78	+04	58	54	0	WNW	6	b	*	66	55	-	
	Bodö ...	29.23	49	SE	2	o	29.25	+06	54	53	+6	SW	0	o	1	?	48	0.16	
	Christiansund...	29.36	56	WSW	8	o	29.51	+21	56	51	+1	WSW	6	c	4	57	52	-	
	Skudesnaes ...	29.69	56	WSW	4	c	29.73	+17	56	54	-1	S	2	c	3	?	50	0.32	
	Christiania Fjord (Færdar)	29.58	60	WSW	6	b	29.71	+19	57	54	-2	W	6	b	4	?	55	1.58	
	Skagen (The Scaw)	29.68	58	W	5	b	29.79	+19	60	55	0	W	3	bc	2	63	52	-	
	Fanö ...	29.88	59	WSW	5	b	29.89	+11	63	59	+1	WNW	4	b	*	66	59	-	
BRITISH ISLANDS.	Sumburgh Head	29.50	52	W	4	bc	29.60	+21	55	52	0	W	2	b	4	59	50	0.01	
	Stornoway ..	29.62	58	W	4	bc	29.64	+15	55	54	-1	SW	2	o	3	60	60	0.02	
	Wick ...	29.61	58	W	5	bc	29.66	+17	58	54	0	W	2	b	1	64	50	-	
	Nairn ...	29.65	58	WNW	3	c	29.66	+11	55	53	+1	SW	0	c	1	63	50	0.04	
	Aberdeen...	29.71	60	WSW	2	bc	29.72	+12	54	52	-6	S	1	orm	2	68	49	0.04	
	Leith ...	29.76	59	W	3	b	29.70	+03	59	57	0	NE	1	cm	*	64	52	0.06	
	Shields ...	29.80	62	WSW	3	bc	29.75	+02	57	55	+1	SSW	1	orm	2	64	54	-	
	Spurn Head ...	29.88	63	WSW	3	c	29.76	-11	59	58	0	SSE	3	o	3	66	57	-	
	York ...	29.89	62	W	2	bc	29.76	-09	57	55	-1	SSE	1	o	*	68	55	-	
	Loughborough	29.93	64	SW	1	c	29.77	-16	56	54	-3	SE	1	orm	*	67	53	-	
GERMANY.	Ardrossan ...	29.78	60	WSW	2	c	29.68	-10	57	57	0	ENE	1	cm	1	62	53	0.09	
	Malin Head ...	29.77	57	WSW	4	cg	29.63	-06	55	54	+3	SSE	3	org	1	61	51	0.02	
	Mullaghmore ...	29.80	57	SW	2	og	29.63	-14	57	55	0	SSE	1	o	2	62	55	0.06	
	Belmullet ...	29.82	59	WSW	3	o	29.61	-17	57	56	0	SSE	2	o	*	60	55	0.19	
	Donaghadee ...	29.81	60	SSE	2	c	29.69	-09	57	57	-2	WSW	3	c	1	67	57	0.16	
	Barrow-in-Furness	29.84	60	SW	4	c	29.69	-10	58	56	0	E	5	o	*	61	56	-	
	Liverpool (Bilston)	29.89	61	W	1	c	29.72	-15	57	55	-2	SE	2	o	2	65	55	-	
	Holyhead ...	29.89	59	SW	5	c	29.71	-16	58	57	0	S	1	agpm	*	62	56	0.03	
	Parsonstown ...	29.83	61	SW	0	r	29.64	-21	56	54	0	SW	0	o	*	61	53	0.10	
	Valencia ...	29.82	59	SSE	3	o	29.53	-36	55	54	-5	ENE	2	bcm	2	62	55	0.25	
FRANCE & NETHERLANDS.	Roche's Point...	29.87	59	SW	3	c	29.58	-34	55	55	0	SE	5	mm	4	63	56	0.30	
	Pembroke ...	29.92	59	SSW	3	c	29.67	-27	57	56	-2	SSE	3	op	3	61	56	0.09	
	Scilly ...	29.92	61	SSW	4	o	29.57	-42	60	59	0	SE	4	op	4	67	57	-	
	Prawle Point ...	29.97	58	WSW	1	c	29.66	-38	59	58	0	E	4	og	3	62	53	0.01	
	Jersey ...	29.98	64	ENE	2	bc	29.68	-40	65	63	+5	ENE	2	orm	2	68	59	-	
	Hurst Castle ...	29.98	60	SW	3	c	29.71	-33	62	61	+1	E	2	cm	2	67	55	-	
	Dungeness ...	29.98	63	W	3	bc	29.73	-29	63	60	+1	SE	3	c	2	68	55	-	
	London ...	29.94	68	SW	1	c	29.74	-26	60	57	+1	SSE	2	o	*	71	52	-	
	Oxford ...	29.95	60	SW	2	c	29.74	-25	56	54	-1	S	1	o	*	68	52	-	
	Cambridge ...	29.96	60	W	1	o	29.76	-22	60	57	+1	E	1	o	*	71	51	-	
PENIN- SULA.	Yarmouth ...	29.97	66	W	2	bc	29.81	-13	61	59	+2	SSE	4	bc	3	68	55	-	
	Cuxhaven ...	29.97	59	WNW	3	b	29.96	+09	59	58	-3	S	2	b	*	65	57	-	
	Berlin ...	30.02	65	Z	0	b	29.99	+06	62	57	-2	Z	0	b	*	73	55	-	
	Wiesbaden ...	"	"	"	"	"	29.95	-10	63	62	-1	Z	0	bc	*	77	59	0.16	
	Munich ...	30.16	67	Z	0	b	30.06	-11	65	62	-4	S	2	b	*	81	57	0.04	
	The Helder ...	29.98	61	SW	2	b	29.88	-06	58	55	-3	ESE	1	bc	1	64	52	-	
	Brussels ... 9 AM	"	"	"	"	"	29.83	-22	63	60	+5	SSE	1	o	*	69	55	-	
	Cape Gris Nez...	"	61	WSW	1	b	?	?	62	57	+3	SE	2	o	1	66	54	-	
	Paris ...	29.98	70	Z	0	o	29.83	-27	67	65	+8	SSE	2	o	*	78	?	-	
	Brest ...	?	63	SW	1	c	?	?	60	58	+1	S	2	o	2	66	54	0.08	
PENIN- SULA.	Lorient ...	29.95	66	WNW	1	c	29.72	-37	61	59	+5	SSW	2	o	3	70	55	-	
	Rochefort ...	29.94	73	ENE	2	tl	29.78	-32	66	65	+5	ESE	4	tl	2	81	?	0.20	
	Belfort ...	30.00	65	NW	2	bc	29.93	-20	65	56	+4	NW	1	c	*	75	58	-	
	Lyons ...	29.95	78	S	4	bc	29.93	-18	68	59	+2	E	1	bc	*	86	64	-	
	Nice ...	30.12	70	WSW	3	bc	30.06	-09	72	59	+3	E	2	b	1	81	63	-	
	Perpignan ...	30.01	72	E	3	c	29.95	-16	69	68	-1	E	3	o	*	80	66	-	
	Biarritz ...	29.85	81	E	3	c	29.86	-14	72	64	+6	WSW	9	tlg	4	86	66	-	
	Corunna ...	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
Lisbon ...	29.92	66	WSW	4	o	29.95	-02	66	64	-3	SSW	4	o	?	77	64	-		

For Explanation of Columns, see p. 4.

‡ Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on *Monday, 19th August* 1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

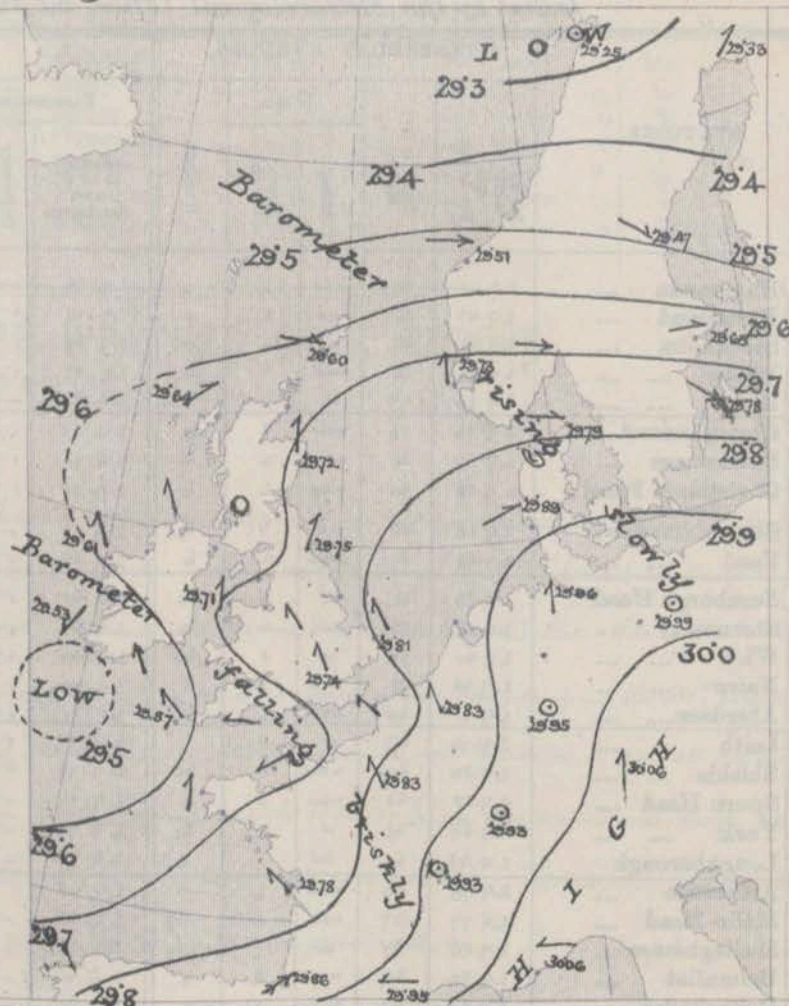
at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

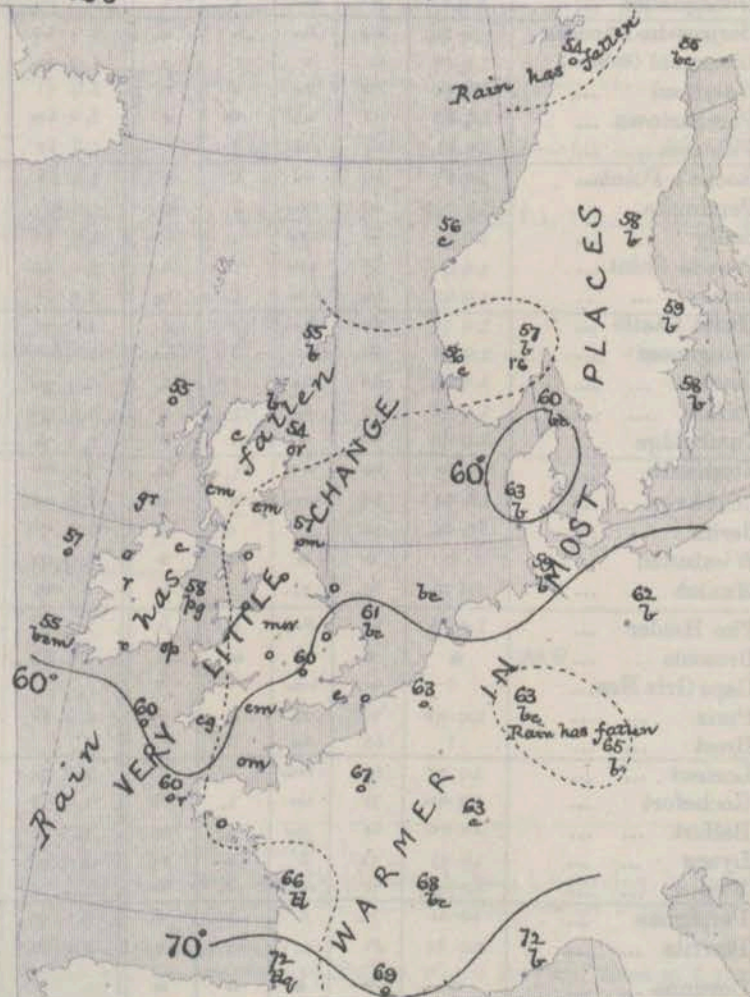
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway.....	58.5	49.0	55.2	53.3	3.57
Wick.....	61.1	48.5	55.2	53.2	2.35
Nairn.....	63.4	50.2	55.6	52.7	2.81
Aberdeen.....	63.1	50.2	56.7	53.6	3.13
Leith.....	65.8	51.4	57.0	54.6	2.62
Shields.....	63.5	52.3	57.5	54.9	2.81
York.....	68.1	51.4	58.0	55.3	2.47
Loughborough.....	70.5	52.1	59.9	57.4	2.61
Ardrossan.....	64.0	53.1	57.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	55.5	2.99
Holyhead.....	64.3	55.0	58.5	56.4	2.89
Liverpool.....	65.7	54.3	58.7	55.5	2.79
Parsonstown.....	66.2	51.7	57.6	55.7	3.48
Valencia.....	65.0	54.1	59.4	57.0	4.65
Roche's Point.....	66.6	53.9	59.0	56.4	3.59
Pembroke.....	63.7	55.8	58.9	56.6	2.91
Scilly.....	64.9	57.2	61.1	59.0	2.45
Jersey.....	69.0	57.4	63.1	60.0	2.26
Hurst Castle.....	68.1	56.1	61.2	59.1	2.31
Dover.....	67.1	57.2	62.6	59.0	2.06
LONDON.....	71.8	53.7	61.4	57.8	2.20
Oxford.....	69.2	53.4	59.2	56.4	2.33
Cambridge.....	71.3	52.1	60.2	57.3	2.25
Yarmouth.....	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.90 in. to 30.00 in. and more over Central, Southern, and Southwestern Europe; 29.7 in. to 29.8 in. over the North Sea, lowest, 29.5 in. and less, in a depression off the south of Ireland; 29.3 in. and less, over the west of England. Radiant, moderate and variable. Barometer falling decidedly and irregularly in the south, where shallow secondary disturbances are found, rising in the north.

TEMPERATURE

Highest, 72° at Biarritz and Nice, 68° at Lyons, 67° at Paris, 63° at Nicotaden and Tarragona; lowest, 54° at Bodo and Aberdeen, 55° at Haparanda, Sumburg H., Stormoy and Malin Head, 56° at Parnostown. The daily maxima recorded yesterday were 67° to 71° over England, 80° to 86° in many parts of France.

WIND

Light to moderate, over our Islands, and chiefly E. in direction. E. at Jersey, NE at Valencia. Variables and light over France. Moderate from SW. at Lisbon. Strong gale from WSW. at Biarritz.

WEATHER

Fine and bright over Sweden, Denmark, Germany and the southeast of France. Dull and unsettled in our Islands, with rain at some western and northern stations, and a rainlike appearance in some parts of England. Thunderstorms are very prevalent in the southwest of France.

SEA

Moderate on our southwest coast and at Biarritz, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It appears probable that rainy threatening weather will extend to the greater part of England shortly.

FORECASTS

For the 24 hours ending at NOON on 20th AUG^r 1889.

DISTRICTS.

FORECASTS.

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

$\frac{1}{2}$ S^w and SE^w winds, light to moderate; dull, close, rain at times.

$\frac{1}{2}$ SE^w and Variable winds; unsettled; rain at times, thunder locally.

DISTRICTS.

FORECASTS

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

Same as N^o 0 to 2

SE^w to SW^w winds, light or moderate; rain at times, thunder.

Same as N^o 0 to 2

E^w and Variable breezes, light or moderate; rainy, thunder, unsettled.

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 (\blacktriangle), 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.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.62	58	54	hsw 4	c	4	Holyhead ...	29.90	60	57	sw 5	c 9	4
Sumburgh Head ...							Valencia ...						
Stornoway ...	29.57	59	55	w 4	bc	4	Scilly ...						
Aberdeen ...							Jersey ...	30.06	64	59	sse 2	c	2
Shields ...							Dungeness ...	30.01	64	60	w 4	bc	3
Ardrossan ...							London ...						
Malin Head ...	29.76	58	54	w 5	c	4	Yarmouth ...						
Mullaghmore ...							Rochefort ...	30.01	74	70	nw 1	c	2
Belmullet ...	29.61	59	54	ws 3	o	*							

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

The reports for yesterday morning showed that while the highest pressures of all 30.2 ins. and upwards, were found in two small areas lying respectively over the south of Russia and the extreme south of Italy, a large area of high readings 30.1 ins. and upwards, was lying over the whole of Southern Europe, with the exception of the Spanish Peninsula. The lowest readings 29.2 ins. and less, were found over Lapland and to the northwestward of Norway. Light to fresh breezes from the W. or S.W. were reported over the whole of northern and northwestern Europe, but in Spain and the extreme south of France the wind was NE², while in Italy, Central France and the southern parts of Austria and Russia it was very variable. The weather was fine generally, but dull in the extreme southwest of our Islands, as well as in North Germany and the West of Russia, with rain at Helmingfors and Mamel. Temperature had risen somewhat in Italy, Algeria, Germany and Central France, and fallen in the southeast of our Islands, but changed irregularly elsewhere; readings ranged from 70° and upwards, over Italy, Spain and the Mediterranean to 55° or less, at some of our own extreme northern and northwestern stations, and to 50° or less, in the North of Norway. The highest individual readings were 81° at Algiers, 79° at Brindisi, 77° at Cagliari, 76° at Aram, 75° at Barcelona, Cagliari and Constantinople, and 74° at Trieste and Naples, the lowest were 48° at Bodö, 52° at Malin Head, 54° at Kuopio and Naiv, and 55° at Haparanda, Christiansund, Helsingfors, Moscow, Kharkov and Sumburgh Head.

In the course of the day the barometer fell somewhat decidedly over France and the southern parts of our Islands, and the wind on our southwest coast backed to the S² or SE². Rain fell at night at many of our western stations.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 11TH TO THE 17TH AUGUST 1889

The weather over the British Islands has continued in a changeable, showery condition during the week, though the rainfall has been less frequent and heavy at the southern and eastern stations than it had been previously. As the complex depression, which lay over our Islands on Sunday the 11th, passed off, the barometer rose so decidedly, and the wind veered to completely round to NW and N. with a decided fall of temperature, that it appeared probable that the showery SW⁴ conditions were giving way to those of light N² breezes and fine dry weather. The shallow secondary disturbances of the next two days, however, were sufficient to cause considerable falls of rain in most districts, and on the 16th pressure again began to give way in the west, the wind backed round to SW and S, and increased greatly in force, accompanied by large quantities of rain in the northwest and north, and smaller amounts elsewhere. The disturbed weather resulted from the advance in a northeasterly direction of a rather large depression over our extreme western and northwestern districts during Friday night and the earlier hours of Saturday morning. On Saturday evening the sky had cleared considerably over England; the strong W² winds had subsided very generally, and the appearance of the sky in London was more tranquil than of late. Temperature, which was very low during the earlier part of the week, rose decidedly as the wind backed to the SW², so that under the influence of several intervals of bright sunshine, the thermometer rose on several occasions to between 70° and 75° over the inland parts of England.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Tuesday, 20th August, 1889.*
Issued by the Meteorological Office, 63 Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.		Min.	
SCANDINAVIA.	Haparanda ..	29.36	SE	2	bc	29.50	+ 17	52	51	- 3	NNE	2	b	*	61	46			
	Hernösand ...	29.62	SE	0	bc	29.70	+ 13	55	51	- 3	SE	0	b	*	70	46	0.08		
	Stockholm ...	29.72	WSW	2	b	29.72	+ 07	60	56	+ 1	SE	0	c	*	68	54			
	Wisby ...	29.78	S	4	b	29.78	- 03	61	57	+ 3	S	2	c	*	66	55			
	Bodö ...	29.49	SW	2	c	29.61	+ 36	51	46	- 3	E	2	b	1	54	46	0.16		
	Christiansund...	29.62	WSW	6	r	29.66	+ 15	52	50	- 4	ESE	3	b	2	57	48	0.04		
	Skudesnaes ...	29.71	SE	0	o	29.48	- 23	60	53	+ 4	ESE	4	o	3	61	52			
	Christiania Fjord (Færdø)	29.69	WSW	6	b	29.62	- 09	59	57	+ 2	ESE	3	o	2	61	57			
	Skagen (The Scaw)	29.74	W	1	b	29.52	- 27	60	57	0	ESE	3	o	3	64	55			
	Fanö ...	29.65	E	4	o	29.34	- 33	61	61	- 2	SE	4	o	*	66	57	0.12		
BRITISH ISLANDS.	Sumburgh Head	29.63	SE	0	bc	29.44	- 19	55	54	0	E	3	o	4	60	47			
	Stornoway ..	29.54	E	3	r	29.31	- 33	55	55	0	E	4	r	4	58	52	0.60		
	Wick ...	29.57	S	3	o	29.32	- 34	55	55	- 3	SE	3	r	3	62	54	0.05		
	Nairn ...	29.51	SE	0	o	29.26	- 40	55	54	0	SE	0	r	1	62	52	0.29		
	Aberdeen...	29.58	SE	2	om	29.20	- 52	55	54	+ 1	ESE	6	agg r	5	60	53	0.26		
	Leith ...	29.51	E	1	o	29.14	- 56	55	55	- 4	NE	2	r m	*	63	54	0.92		
	Shields ...	29.53	SE	2	r	29.10	- 63	57	57	0	SW	1	r f	2	63	55	0.89		
	Spurn Head ...	29.48	E	6	o	29.14	- 62	61	60	+ 2	S	3	o	4	63	58	0.17		
	York ...	29.51	E	1	o	29.12	- 64	59	58	+ 2	SSE	1	r	*	67	56	0.49		
	Loughborough	29.45	ESE	1	r	29.15	- 62	60	59	+ 4	SW	2	o	*	70	56	0.33		
GERMANY.	Ardrossan ...	29.48	SE	0	r	29.16	- 52	55	54	- 2	NW	3	r	2	62	53	1.09		
	Malin Head ...	29.47	ESE	3	o	29.28	- 35	54	53	- 1	NW	4	opm	3	60	51	0.33		
	Mullaghmore ...	29.44	E	2	r	29.40	- 23	55	52	- 2	NW	6	o q	5	60	53	0.46		
	Belmullet ...	29.45	NE	1	o	29.49	- 12	56	52	- 1	NW	4	c	*	59	53	0.24		
	Donaghadee ...	29.45	E	3	r	29.23	- 46	54	54	- 3	W	3	o	1	61	54	1.84		
	Barrow-in-Furness	29.42	NE	3	r	29.07	- 62	58	58	0	NE	2	r	*	62	57	0.58		
	Liverpool (Bidston)	29.42	ESE	3	r	29.10	- 62	58	55	- 2	S	1	r	4	63	55	0.34		
	Holyhead ...	29.39	ESE	4	q m r	29.25	- 46	54	53	- 4	NW	7	q m q	6	62	53	0.85		
	Parsonstown ...	29.35	NW	1	r	29.46	- 18	54	52	- 2	NW	1	c	*	56	51	2.20		
	Valencia ...	29.38	NW	4	o	29.62	+ 09	57	53	+ 2	WNW	4	bc	4	58	53	1.66		
FRANCE & NETHERLANDS.	Roche's Point...	29.34	S	5	r	29.52	- 06	57	53	- 1	NW	6	b	4	62	53	1.85		
	Pembroke ...	29.36	SE	4	o	29.42	- 25	57	54	0	W	7	bc q	6	61	54	0.47		
	Soilly ...	29.27	ESE	5	q m	29.61	+ 04	59	56	- 1	WNW	7	c	6	63	56	0.16		
	Prawle Point ...	29.42	ESE	2	o	29.50	- 16	56	55	- 3	W	8	c r q	6	62	54	0.17		
	Jersey ...	29.50	ESE	2	o r	29.59	- 09	61	57	- 4	W	7	c g m	5	70	59	0.11		
	Hurst Castle ...	29.49	SW	2	c m	29.38	- 33	59	58	- 3	WNW	7	c	4	67	58	0.31		
	Dungones ...	29.50	SW	3	r	29.21	- 52	61	60	- 2	W	7	p	5	68	60	0.40		
	London ...	29.48	S	1	o r	29.24	- 50	58	57	- 2	W	5	o q p	*	73	58	0.31		
	Oxford ...	29.42	S	4	o	29.24	- 50	56	55	0	W	5	q p	*	69	55	0.24		
	Cambridge ...	29.50	?	?	r	29.17	- 59	62	61	+ 2	S	1	r	*	73	47	0.08		
PENIN-SULA.	Yarmouth ...	29.49	SE	4	cp	29.20	- 61	63	62	+ 2	SSW	2	c	3	65	59	0.24		
	Cuxhaven ...	29.50	E	4	r	29.40	- 56	65	64	+ 6	SSW	2	c	*	67	62	0.70		
	Berlin ...	29.76	SE	3	b	29.50	- 49	68	65	+ 6	SE	3	o	*	77	?			
	Wiesbaden ...	*	*	*	*	29.58	- 37	68	62	+ 5	SW	4	o	*	79	61			
	Munich ...	29.82	SE	2	b	29.79	- 27	65	60	0	W	6	o	*	81	57			
	The Helder ...	29.85	ESE	1	r	29.28	- 60	64	63	+ 6	S	3	o	3	66	57	0.71		
	Brussels ...	*	*	*	*	29.35	- 48	63	61	0	S	3	r	*	72	62	0.75		
	Cape Gris Nez...	?	SW	2	r	?	?	61	61	- 1	SW	5	r	5	77	59	1.58		
	Paris ...	29.62	S	2	bc	29.52	- 31	61	59	- 6	SW	5	o	*	?	61	0.75		
	Brest ...	?	S	4	o	?	?	60	58	0	NW	6	o	6	64	54	0.08		
FRANCE & NETHERLANDS.	Lorient ...	29.46	SW	5	c	29.75	+ 03	60	56	- 1	W	6	c	7	64	57	0.12		
	Rocheport ...	29.67	SW	3	E	29.88	+ 10	64	61	- 2	W	6	o	4	73	59	0.16		
	Belfort ...	29.78	NW	1	c	29.73	- 20	62	50	- 3	W	3	b c	*	78	58	0.28		
	Lyons ...	29.75	S	4	o	29.83	- 10	64	61	- 4	SSW	3	b	*	86	59	1.02		
	Nice ...	29.97	WSW	2	c	29.80	- 26	70	62	- 2	SW	1	bc	1	86	63	0.04		
	Perpignan ...	29.74	E	2	c	29.94	- 01	70	64	+ 1	NW	3	o	*	84	65			
	Biarritz ...	29.66	WSW	5	E	30.02	+ 16	68	62	- 4	WNW	6	o	5	86	66			
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Lisbon ...	30.02	WSW	4	r	30.13	+ 18	64	62	- 2	NW	4	b	?	72	63	0.08		

For Explanation of Columns, see p. 1.

3 Received too late for insertion in Charts on p. 2.

1889.

EXPLANATION OF MAP

\rightarrow = forces above 10; \rightarrow = forces 8 to 10;
 \rightarrow = forces 5 to 7; \rightarrow = forces 1 to 4.
 \odot = dead calm.

= *Rough*. = *High*.

at 8.0 a.m. for the month of August.
During the 15 Years: 1871—1885.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more, are quoted in figures.

(For the month of August.)

Heavy rain

Colder

RATHER

Lightning last night

Thunderstorm y'day

MOST PLACES

Rain has fallen

Fallen

60°

55°

50°

45°

40°

35°

30°

25°

20°

15°

10°

5°

0°

5°

10°

15°

20°

25°

30°

35°

40°

45°

50°

55°

60°

65°

70°

75°

80°

85°

90°

95°

100°

105°

110°

115°

120°

125°

130°

135°

140°

145°

150°

155°

160°

165°

170°

175°

180°

185°

190°

195°

200°

205°

210°

215°

220°

225°

230°

235°

240°

245°

250°

255°

260°

265°

270°

275°

280°

285°

290°

295°

300°

305°

310°

315°

320°

325°

330°

335°

340°

345°

350°

355°

360°

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins: and upwards in Portugal

Lowest, 29.1 ins: and less, in a depression lying over the north of England

Gradient steep over the coast and south of our Islands and the north of France, but moderate or slight elsewhere

Barometer rising again at our extreme western and southern stations, and also in France, but falling elsewhere—quickly, on our N. and E. coasts

Highest, 70° at Kiev, 68° at Berlin, Wiesbaden, and Bismarck, 65° at Copenhagen, and 64° at Hilder, Lyons, and Rochefort.

TEMPERATURE

Lowest, 51° at Bodo, 52° at Haparanda and Christiansund, 54° at Malin Head, Donaghadee, Holyhead and Larnaca.

The highest maxima registered over our Islands yesterday, were 73° in Londonderry at Cambridge, and 70° at Loughborough and Cambridge.

Strong from the NWth or Wnd on our western and southern coasts, with a gale in the English Channel.

WIND

Light or moderate from the SWth or Snd over the Netherlands and the eastern parts of England and France.

Moderate from SE. in Denmark, and from E. in Norway and Scotland

Fine in the extreme southwest of our Islands, the south of France, and the north of Scandinavia.

WEATHER

Dull elsewhere, with rain in all the more northern and eastern parts of the United Kingdom.

Since yesterday morning 1.6 ins: of rain has fallen at C. Fris Neg, 1.7 ins: at Valencia, 1.8 ins: at Donaghadee, 1.9 ins: at Rock Point, 2.2 ins: at Larnaca.

SEA

Rough in the English and St. George Channels, and rather rough at Aberdeen and Mullaghmore, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the north of England will probably travel away across the North Sea, and the improvement in the weather now reported in the southwest is likely to extend slowly to most districts. There are, however, at present no reasons for anticipating that the change will prove permanent.

FORECASTS

For the 24 hours ending at NOON on 21st AUG^r.

1889.

DISTRICTS.		FORECASTS.	
0	SCOTLAND NORTH	}	E ^{ly} to NE ^{ly} winds, fresh or strong; squally and rainy at first, some improvement later.
1	SCOTLAND EAST		
2	ENGLAND N.E.	}	Wind veering to the W ^{ly} or NW ^{ly} and increasing in force; squally, showery.
3	ENGLAND EAST		
4	MIDLAND COUNTIES	}	W ^{ly} to NW ^{ly} winds, strong and squally; weather improving somewhat, but still showery.
5	ENGLAND SOUTH		

DISTRICTS.		FORECASTS.	
6	SCOTLAND WEST	}	NW ^{ly} winds, freshening, squally, showery.
7	ENGLAND N.W.		
8	ENGLAND S.W.	}	NW ^{ly} winds, increasing to a gale, squally and rainy to fair. W ^{ly} and NW ^{ly} winds, moderating gradually; gusty, showery.
9	IRELAND NORTH		
0	IRELAND SOUTH		

WARNINGS	
The S. cone was hoisted last evening in districts 3, 5, and 8, and this morning in districts 2, 7.	

No's.—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.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnes ...							Holyhead ...	29.55	60	56	nnc 1	op	2
Sumburgh Head ...	29.65	57	53	w 2	bc	3	Valencia ...	29.37	55	55	n 4	rm	4
Stornoway ...	29.60	54	55	sw 2	o	3	Scilly ...	29.40	61	61	sse 5	op	5
Aberdeen ...	29.65	59	57	se 1	bc	2	Jersey ...	29.60	67	63	s 3	o	3
Shields ...	29.61	61	58	e 2	c	2	Dungeness ...	29.59	66	64	s 3	cp	2
Ardrossan ...	29.58	61	58	sw 1	o	1	London ...	29.50	71	66	ese 2	o	2
Malin Head ...	29.55	57	56	n 1	o	1	Yarmouth ...	29.65	63	61	ese 1	op	3
Mullaghmore ...	29.52	58	56	e 2	od	2	Rochefort ...	29.77	71	69	sw 4	o	2
Belmullet ...	29.51	57	56	n 2	or	2							

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

The reports for yesterday morning showed that pressure was highest, 30.1 ins. and upwards, in two large areas, one of which lay over the southern parts of Russia and Austria, and the other over France, the South of Italy and the adjacent portions of the Mediterranean. The lowest pressures 29.3 ins. and less, were found in a depression lying over the North of Norway, but another disturbance with readings below 29.5 ins. was lying off the south of Ireland. The wind was moderate from the S. or S.W. in Spain, and from the S.E. over the greater part of Ireland, England and France, as well as in Algeria. Over Russia, Scandinavia, the Baltic and the North of Scotland, however, W. breezes were reported, while in Italy, Austria and the South of Russia the wind was light and very variable. The weather was dull and unsettled over the greater part of our Islands and France, with rain at many of our own western stations, and thunderstorms in the West of France. Elsewhere conditions were mostly fine, but over central Russia the sky was overcast. Temperature had risen over Southern and Eastern Europe, but changed irregularly elsewhere; readings ranged from a little above 90° in Tunis, and a little above 80° over the central parts of the Mediterranean to 55° or less, over the northern parts of Scandinavia and Russia, and the extreme North of Scotland. The highest individual readings were 91° at La Calle, 88° at Aumale, 82° at Palma, 81° at Cagliari, 79° at Brindisi, 78° at Algiers, and 77° at Lervia, the lowest were 53° at Archangel, 54° at Bodø, Kuopio and Aberdeen, and 55 at Naparanda, St. Petersburg, Sumburgh, Stornoway, Malin Head and Valencia.

In the course of the day the depression off the south of Ireland increased steadily in depth and moved slowly in a northeasterly direction to the mouth of the St. George's Channel. Very heavy rain fell at all our western stations, and at night the wind increased to a strong breeze or moderate gale from the S. and S.W. in the English Channel.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for WEDNESDAY 21ST AUGST 1889.
 Issued by the Meteorological Office, 63 Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	† YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 5.)	SHADE TEMP.				
			Dir.	Force. (0 to 12.)		Reading at 8 a.m. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.		
SCANDINAVIA.	Haparanda ..	29.65	57	X	0	bc	29.71	+0.21	58	53	+6	W	2	c	*	64	43	—	
	Hernösand ...	29.70	51	X	0	bc	29.56	-0.14	58	57	+3	ENE	6	o	*	68	48	—	
	Stockholm ...	29.60	57	E	4	o	29.33	-0.29	58	57	-2	E	4	T	*	68	50	0.43	
	Visby ...	29.49	59	S	4	P	29.35	-0.38	60	59	-1	ENE	4	T	*	64	52	0.79	
	Bodö ...	29.69	50	X	0	bc	29.58	-0.27	53	49	+4	E	2	bc	1	53	45	—	
	Christiansund...	29.41	58	NE	3	bc	29.18	-0.48	57	54	+5	SSE	3	T	2	59	?	0.04	
	Skudesnaes ...	29.23	57	ENE	2	o	29.10	-0.38	57	53	-3	SE	2	T	3	58	54	0.51	
	Christiania Fjord (Færdor)	29.36	58	ENE	7	o	29.19	-0.43	60	59	+1	SSE	3	o	2	63	57	0.95	
	Skagen (The Scaw)	29.22	60	ENE	4	T	29.13	-0.29	60	59	0	S	3	o	2	61	53	0.78	
	Fanö ...	29.22	61	SSE	6	o	29.34	0.0	59	53	-2	WNW	6	c	*	68	57	0.39	
BRITISH ISLANDS.	Sumburgh Head	29.24	51	NE	6	T	29.02	-0.42	54	54	-1	NE	4	T	6	53	49	2.05	
	Stornoway ..	29.25	54	E	6	T	29.25	-0.06	54	53	-1	NE	4	o	4	53	49	0.82	
	Wick ...	29.14	52	NNE	7	T	29.05	-0.27	54	53	-1	N	5	Tu	6	56	49	1.88	
	Nairn ...	29.18	53	NNE	4	T	29.18	-0.08	55	52	0	W	3	c	3	56	50	1.34	
	Aberdeen...	29.00	54	W	5	og	29.16	-0.04	58	52	+3	W	5	bc	3	58	52	0.44	
	Leith ...	29.16	57	W	5	c	29.28	+0.14	57	52	+2	W	5	c	*	58	50	0.07	
	Shields ...	29.22	58	WNW	5	c	29.35	+0.25	52	50	-5	SW	4	bc	2	59	50	0.20	
	Spurn Head ...	29.34	59	WNW	7	bc	29.45	+0.31	58	53	-3	SW	4	bc	4	63	51	0.01	
	York ...	29.33	60	W	5	c	29.44	+0.22	56	52	-3	SW	2	bc	*	63	49	0.07	
	Loughborough	29.48	60	W	3	bc	29.50	+0.38	56	54	-4	WNW	2	bc	*	62	50	0.01	
GERMANY.	Ardrossan ...	29.29	57	W	7	o	29.31	+0.15	56	52	+1	SW	3	bc	3	60	52	0.09	
	Malin Head ...	29.35	56	NW	7	bc	29.30	+0.02	53	50	-1	SSE	1	bc	2	57	48	0.04	
	Mullaghmore ...	29.48	56	WNW	5	bc	29.26	-0.14	52	50	-3	E	4	OT	2	60	49	0.03	
	Belmullet ...	29.52	57	W	3	bc	29.22	-0.27	51	50	-5	ENE	2	OT	*	58	49	0.44	
	Donaghadee ...	29.41	59	WNW	4	bc	29.35	+0.12	53	52	-1	SSE	4	o	2	61	45	0.01	
	Barrow-in-Furness	29.35	58	WNW	6	c	29.38	+0.31	56	53	-2	S	4	o	*	59	40	0.41	
	Liverpool (Bidston)	29.44	60	W	6	c	29.42	+0.32	58	52	+3	SSE	2	bc	3	61	50	0.26	
	Holyhead ...	29.49	58	W	5	bc	29.38	+0.13	56	58	+2	SW	3	cmg	3	63	55	0.03	
	Parsonstown ...	29.54	59	SW	1	bc	29.23	-0.23	55	54	+1	SW	1	T	*	62	50	0.16	
	Valencia ...	29.58	56	SSE	2	bc	29.21	-0.41	57	57	+2	SW	4	cf	3	61	53	0.56	
FRANCE & NETHERLANDS.	Roche's Point...	29.61	57	W	4	bc	29.25	-0.27	58	57	+1	WNW	5	T	4	61	54	0.60	
	Pembroke ...	29.60	57	WNW	7	o	29.36	-0.06	57	57	0	S	5	og	5	60	55	0.03	
	Scilly ...	29.68	53	X	0	Tu	29.42	-0.19	62	60	+3	SW	5	om	4	63	57	0.16	
	Prawle Point ...	29.71	57	W	5	c	29.52	+0.02	59	57	+1	SW	4	mg	3	61	52	0.14	
	Jersey ...	29.80	62	W	6	bc	29.65	+0.06	62	60	+1	SW	4	mg	4	64	57	0.26	
	Hurst Castle ...	29.68	60	WNW	8	bc	29.56	+0.18	60	59	+1	SW	6	c	5	65	56	0.06	
	Dungeness ...	29.56	62	W	9	bc	29.53	+0.32	61	60	0	WNW	5	cd	4	66	53	0.05	
	London ...	29.58	63	WNW	4	c	29.53	+0.31	57	53	-1	SW	1	o	*	66	54	0.12	
	Oxford ...	29.62	59	W	5	o	29.53	+0.29	56	54	0	S	1	og	*	62	50	—	
	Cambridge ...	29.50	61	SW	2	o	29.53	+0.36	57	53	-5	SW	2	o	*	64	47	0.02	
PENIN- SULA.	Yarmouth ...	29.43	58	W	5	c	29.53	+0.33	58	53	-5	SW	3	bc	3	64	52	0.15	
	Cuxhaven ...	29.34	60	SW	7	T	29.50	+0.10	62	60	-3	SW	6	bc	*	64	59	0.52	
	Berlin ...	29.58	62	W	4	T	29.73	+0.23	60	53	-8	SW	4	bc	*	77	53	0.08	
	Wiesbaden ...	*	*	*	*	*	29.85	+0.27	59	53	-9	SW	1	o	*	70	52	—	
	Munich ...	29.98	60	W	4	bc	30.01	+0.22	57	53	-6	SW	4	c	*	70	52	0.04	
	The Helder ...	29.40	60	WNW	7	c	29.57	+0.29	60	53	-4	WNW	3	c	4	66	57	0.12	
	Brussels ...	*	*	*	*	*	29.68	+0.33	55	54	-8	SSE	3	T	*	64	53	0.08	
	Cape Gris Nez...	?	60	W	7	c	?	?	55	53	-6	S	2	T	2	?	54	0.12	
	Paris ...	29.83	64	SW	2	bc	29.77	+0.25	60	59	-1	SW	2	bc	*	?	?	—	
	Brest ...	?	60	SW	5	o	?	?	61	60	+1	SW	4	o	5	63	53	0.16	

WEATHER CHARTS

for 8 a.m. on

Wednesday, 21st August.

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4.
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

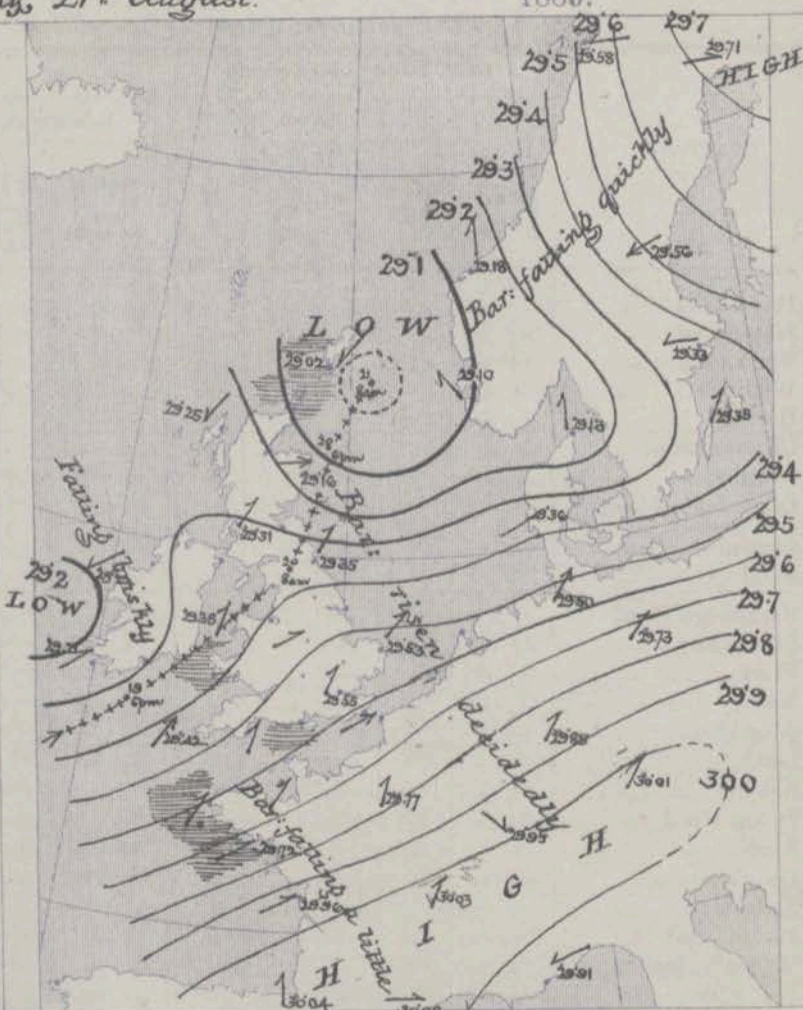
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.905
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

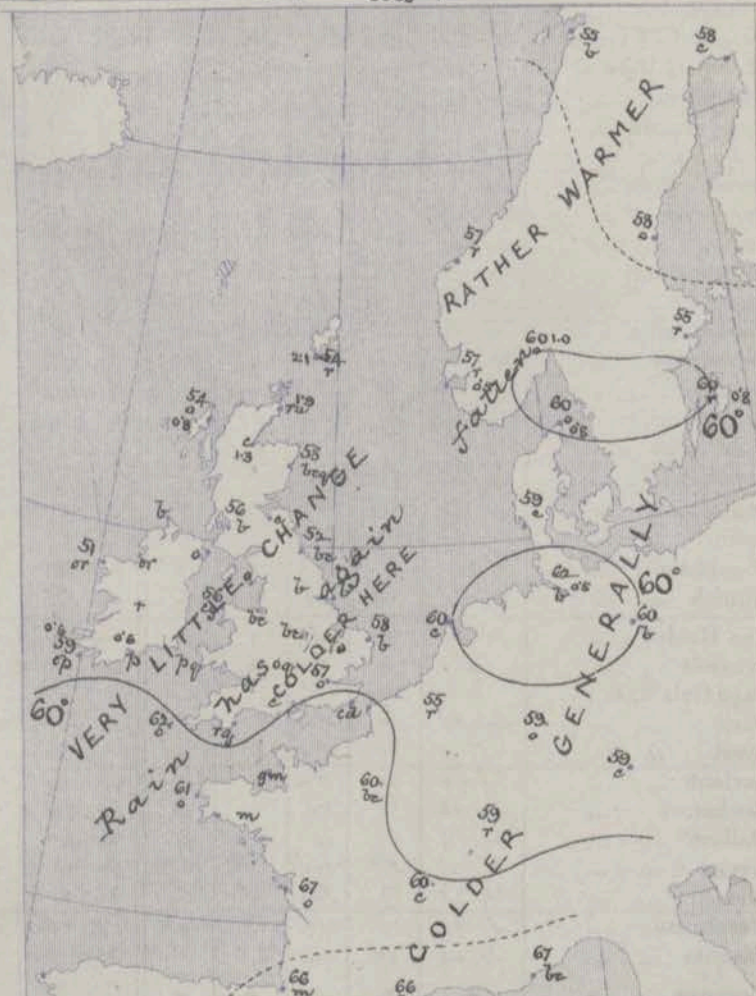
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.2	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins: and upwards in Portugal; 30.0 ins: and upwards, over the whole of the Iberian Peninsula and also over the southern part of France and Germany.
Lowest, 29.0 ins: and less, in a depression lying a little to the south-eastward of the Shetlands; 29.2 ins: and less, in another disturbance lying off the west of Ireland.
Gradients rather steep generally. Barometer falling again quickly on our west and southern coasts, as well as in Scandinavia.

TEMPERATURE

Highest, 67° at Rochefort and Nice, 66° at Bismitz and Perpignan, 65° at Lirion, and 62° at Copenhagen, Dublin, Jersey, and Genoa.
Lowest, 51° at Belmullet, 52° at Shields and Mullaghmore, 53° at Malin Head and Donaghadee, and 54° at Sumburgh Head, Stromway, and Wick.
The maxima registered over our islands yesterday were below 40° in all places, and below 60° on our north and north-west coasts.

WIND

Moderate from the End or NEnd in the extreme north and north-west of our islands, and from the SEnd in Norway.
SWnd in most other localities; fresh or strong in force at several of our southern and south-western stations.
Moderate to fresh gales from the Wnd were experienced yesterday at several of the English stations.

WEATHER

Dull and rainy at several of our western and south-western stations, as well as in the north of Scotland, the west of Norway, and the south of Sweden.
Fine in the north and east of England; variably clouded over France, Belgium and Germany, with rain at Brussels and Belfast.
Heavy rain fell yesterday in the north of our islands, the largest amounts being 2.4 ins: at Sumburgh Head, 1.9 ins: at Wick, and 1.3 ins: at Skarso.

SEA

Rough off the north of Scotland, and rather rough at Pembroke and Hurst Castle, as well as off the northwest of France.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression in the west will probably advance across our islands in a northeasterly or an easterly direction. Rainy weather is therefore again likely to set in generally, with gales on many parts of our southern coasts.

FORECASTS

For the 24 hours ending at NOON on 22nd AUGUST 1889.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS
0 SCOTLAND NORTH	E nd winds, moderate or fresh; unsettled, rain at times.	6 SCOTLAND WEST	S nd and SE nd winds, freshening considerably; fair to squally and rainy.
1 SCOTLAND EAST	Wind backing to the S nd or SE nd ; fair to unsettled and some rain.	7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	SW nd to W nd winds, increasing to a gale; squally, rainy.
3 ENGLAND EAST	S nd and SW nd winds, moderate to strong; fair to unsettled and rainy.	9 IRELAND NORTH	E nd to NE nd or N nd winds, fresh; unsettled, rain at times.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as No 8.
5 ENGLAND SOUTH	SW nd winds, strong, a gale on coast; squally unsettled, some showers.		

WARNINGS

The S CONE was hoisted last evening in district 10. and is still flying there as well as in district 3. 5. 7 and 8.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.31	58	54	ENE 4	P	3	Holyhead ...	29.42	61	56	WNW 6	bc q	5
Sumburgh Head ...	29.34	52	51	ENE 4	P	6	Valencia ...	29.64	59	54	WNW 3	o	3
Stornoway ...	29.27	53	55	E 3	P	3	Scilly ...	29.71	60	57	WNW 4	bc q	5
Aberdeen ...	29.24	55	54	NNE 5	OT	6	Jersey ...	29.76	63	57	W 7	bc m	5
Shields ...	29.12	58	57	SW 3	P	2	Dungeness ...	29.45	62	60	W 9	c q	7
Ardrossan ...	29.23	57	58	W 6	C	4	London ...	29.46	65	57	W 5	c q	3
Malin Head ...	29.33	57	53	NW 7	c q	5	Yarmouth ...	29.29	57	56	W 5	po q	3
Mullaghmore ...	29.48	58	53	WNW 6	bc	5	Rocheport ...	30.00	67	61	WNW 6	c	3
Belmullet ...	29.52	58	52	W 4	bc	*							

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

The reports for yesterday morning showed that pressure varied from between 30.0 ins. and 30.2 ins. over the Spanish Peninsula, from 30.0 ins. and more, over the South of Russia, and from between 29.6 ins. and 29.7 ins. over Scandinavia to 29.5 ins. and less, in the extreme North of Russia, and to 29.1 ins. and less, in a well marked depression the centre of which lay over the north of England. NW² winds, strong to a gale in force, were prevalent on our western coasts, W² gales and strong winds in the Channel and South of England, S² and SE² breezes over the North Sea, and E² winds in the North of Scotland, over the greater part of France the wind was strong to moderate from W. and SW, over Central Europe it was S² and SE², in all other regions it was light and variable. The weather was dull, squally and rainy in the British Islands, especially in the northwest and north, and dull and showery over the North Sea, unsettled, but improving in France. Over southwestern, southern and southeastern Europe it was fine, except on the northwestern shores of the Mediterranean, where it was dull. Temperature was above 70° on the shores of the Mediterranean, and exceeded 80° in a few places, but was below 60° over the British Islands, Russia and Northern Europe generally. The highest morning values were 83° at Sfax (Tunis) 81° at Barcelona, 79° at Annale, 77° at Brindisi and Algiers, 76° at Malta, 75° at Lesina, 74° at Palermo and Constantinople, 73° at Naples and Leghorn, and 70° at Nice, Le Sicie and Perpignan, the lowest were 51° at Bodo, 52° at Haparanda and Christiansund, 53° at Kuopio, 54° at Malin Head, Donaglassa, Parsonstown and Holyhead, and 55° at Sumburgh Head, Stornoway and Liverpool.

Later in the day the weather improved a little in the southwest, south and east, but very heavy rain fell in the North as the depression in the north travelled across the southeast of Scotland.

EXPLANATION OF 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.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 5.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.59	SE	2	bc	29.46	- .25	56	54	- 2	SSE	4	r	*	64	41	-		
	Hernösand ...	29.29	ENE	6	r	29.32	- .24	58	54	0	SSE	6	C	*	61	55	0.91		
	Stockholm ...	29.38	SEW	4	O	29.43	+ .10	60	56	+ 2	SE	4	O	*	68	54	0.20		
	Wisby ...	29.51	SW	4	b	29.42	+ .07	59	55	- 1	S	2	O	*	64	55	-		
	Bodö ...	29.40	SE	2	O	29.20	- .38	59	52	+ 4	SSE	6	O	2	64	45	0.39		
	Christiansund...	29.05	SW	2	O	29.08	- .10	55	54	- 2	SE	3	r	2	66	52	0.59		
	Skudesnaes ...	29.18	S	8	r	29.03	- .07	57	54	0	E	1	O	3	?	54	0.39		
	Christiania Fjord (Fjorder)	29.25	W	7	O	29.10	- .09	57	56	- 3	ESE	7	r	5	?	55	-		
	Skagen (The Scaw)	29.38	W	4	b	29.02	- .11	60	58	0	SSW	6	O	4	63	55	0.47		
	Fanö ...	29.32	S	6	O	29.10	- .24	59	56	0	SW	5	C	*	63	55	0.83		
BRITISH ISLANDS.	Sumburgh Head	29.02	NNE	3	O	29.05	+ .03	51	50	- 3	NNE	4	r	5	65	50	0.97		
	Stornoway ...	29.24	N	6	ru	29.39	+ .14	53	52	- 1	N	5	C	4	57	49	0.50		
	Wick ...	29.06	N	3	r	29.23	+ .18	53	51	- 1	N	7	O	5	55	49	0.70		
	Nairn ...	29.12	W	2	O	29.31	+ .13	53	51	- 2	WNW	3	O	3	62	50	0.23		
	Aberdeen...	29.11	W	3	bc	29.22	+ .06	55	50	- 3	NW	7	C	4	65	51	0.18		
	Leith ...	29.16	W	3	bc	29.31	+ .03	54	52	- 3	W	2	C	*	66	50	0.05		
	Shields ...	29.18	S	1	r	29.27	- .08	55	53	+ 3	W	2	P	2	62	50	0.20		
	Spurn Head ...	29.16	SSW	4	bc	29.28	- .17	57	54	- 1	W	6	bc	4	65	54	0.02		
	York ...	29.15	SSW	1	cp	29.31	- .13	56	52	0	WNW	3	C	*	67	52	0.17		
	Loughborough	29.19	SW	1	C	29.38	- .12	56	54	0	W	3	O	*	65	52	1.01		
GERMANY.	Ardrossan ...	29.18	WNW	2	O	29.38	+ .07	56	52	0	NW	5	O	3	60	53	0.01		
	Malin Head ...	29.25	NW	4	bc	29.47	+ .17	54	51	+ 1	WNW	6	op	4	57	51	-		
	Mullaghmore ...	29.26	NW	4	C	29.59	+ .33	54	51	+ 2	WNW	5	op	3	56	50	0.46		
	Belmullet ...	29.34	N	4	C	29.67	+ .45	55	50	+ 4	NW	5	O	*	57	50	0.29		
	Donaghadee ...	29.17	NE	4	O	29.45	+ .10	53	53	0	NE	4	O	2	55	52	0.48		
	Barrow-in-Furness	29.11	E	3	C	29.33	- .05	55	54	- 1	NW	5	r	*	60	53	0.47		
	Liverpool (Bidston)	29.15	SSE	1	C	29.38	- .04	55	53	- 3	W	6	C	5	60	53	0.43		
	Holyhead ...	29.14	WSW	4	bc	29.45	+ .07	55	53	- 1	NW	6	op	5	62	53	0.34		
	Parsonstown ...	29.23	NW	2	O	29.61	+ .38	53	51	- 2	SW	2	O	*	64	48	0.30		
	Valencia ...	29.40	NW	4	cp	29.76	+ .55	57	54	- 2	WNW	3	bc	4	63	52	0.43		
FRANCE & NETHERLANDS.	Roche's Point...	29.27	WNW	7	bc	29.67	+ .42	55	51	- 3	WNW	5	b	4	60	51	0.65		
	Pembroke ...	29.17	WSW	7	bc	29.56	+ .20	57	54	0	WNW	6	bc	6	61	54	0.15		
	Scilly ...	29.37	W	6	C	29.66	+ .24	58	55	- 4	WNW	4	bc	5	64	53	0.17		
	Prawle Point ...	29.32	SW	7	bc	29.60	+ .38	57	55	0	W	5	bc	4	60	51	0.17		
	Jersey ...	29.49	WSW	6	C	29.67	+ .02	60	56	- 2	W	6	C	5	69	57	0.32		
	Hurst Castle ...	29.33	WSW	4	C	29.54	- .02	59	58	- 1	WNW	7	C	5	63	58	0.39		
	Dungeness ...	29.32	WSW	8	C	29.43	- .10	59	57	- 2	W	8	C	6	66	58	0.07		
	London ...	29.29	SW	3	C	29.46	- .09	57	55	0	WSW	2	O	*	65	55	0.20		
	Oxford ...	29.23	SW	3	r	29.47	- .06	54	52	- 2	WSW	3	op	*	63	54	0.27		
	Cambridge ...	29.23	SW	1	r	29.41	- .12	56	54	- 1	W	2	r	*	65	51	0.35		
PENINSULA.	Yarmouth ...	29.27	SW	4	C	29.34	- .19	55	54	- 3	W	4	op	4	64	53	0.13		
	Cuxhaven ...	29.55	SSW	4	O	29.27	- .23	59	57	- 3	SW	7	r	*	63	58	0.04		
	Berlin ...	29.69	SSE	3	O	29.50	- .23	63	60	+ 3	SW	5	C	*	68	59	0.20		
	Wiesbaden ...	*	*	*	*	29.63	- .22	62	57	+ 3	SW	5	O	*	70	57	0.16		
	Munich ...	29.92	SW	1	C	29.86	- .15	64	59	+ 5	SW	1	O	*	70	55	0.04		
	The Helder ...	29.27	S	3	C	29.25	- .32	59	56	- 1	WSW	5	r	4	63	57	0.71		
	Brussels ...	*	*	*	*	29.50	- .18	59	54	+ 4	SSW	6	C	*	70	?	0.16		
	Cape Gris Nez...	?	61	WSW	6	bc	?	?	50	57	+ 4	WSW	7	r	7	68	55	0.32	
	Paris ...	29.61	SW	5	O	29.74	- .03	58	54	- 2	SSW	4	b	*	72	55	0.24		
	Brest ...	?	62	W	7	C	?	?	58	56	- 3	W	8	O	8	64	52	0.28	

For Explanation of Columns, see p. 4.

‡ Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on

Thursday, 22nd August.

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; →→ = forces 8 to 10;
→→ = forces 5 to 7; → = forces 1 to 4;
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

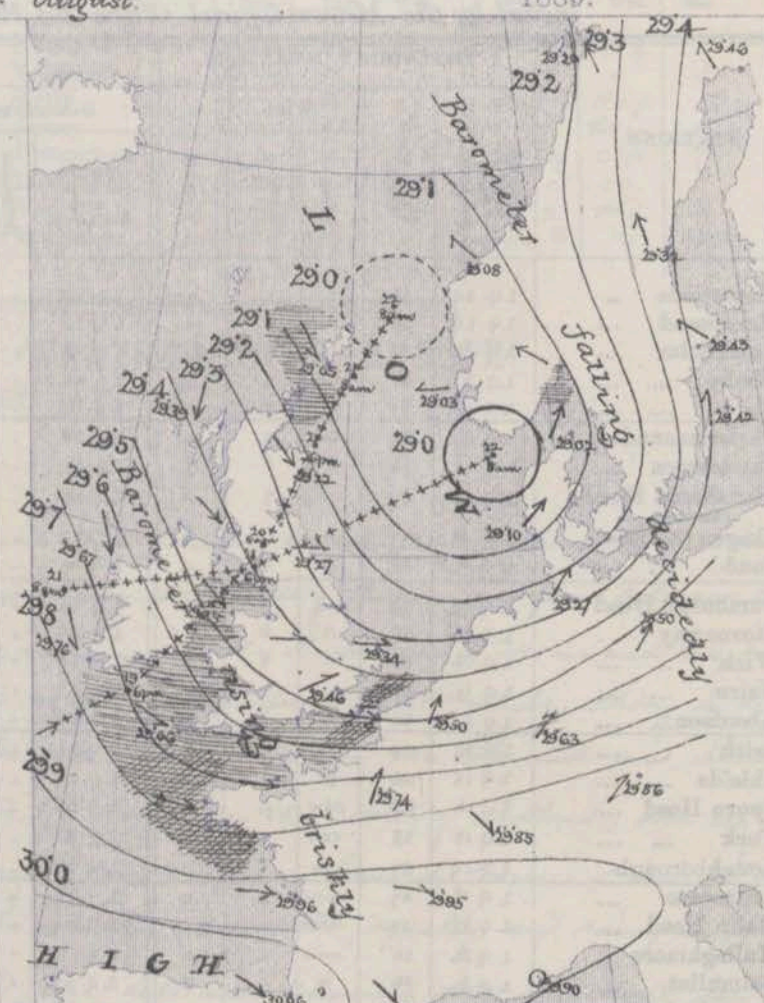
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

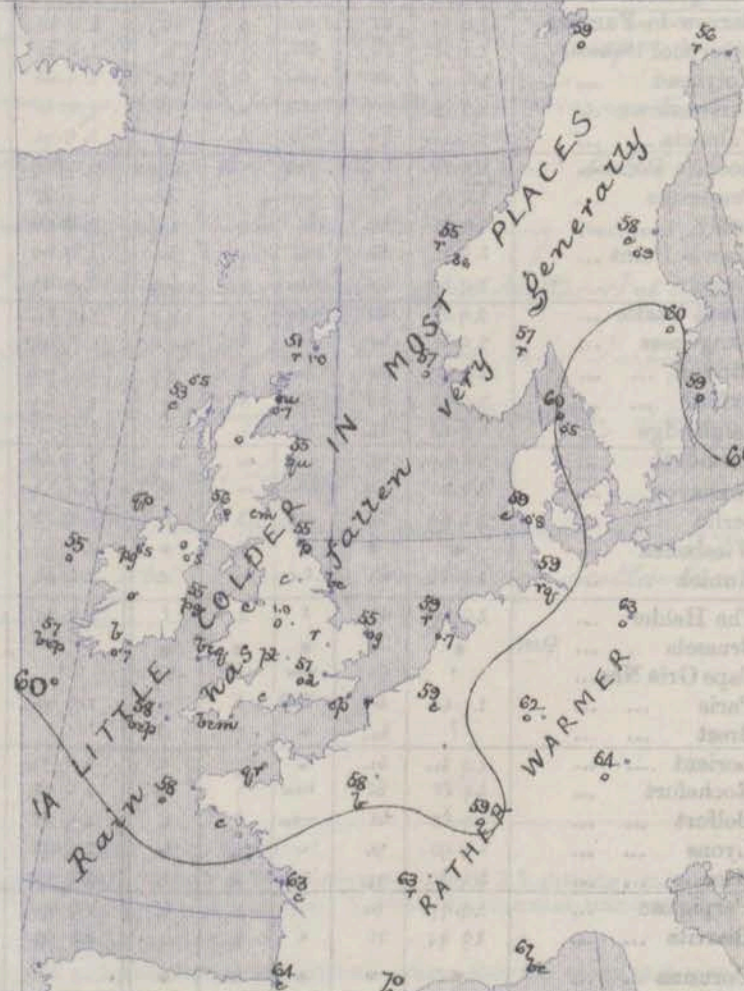
WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL (For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick.....	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith.....	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	55.5	2.99
Holyhead.....	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke.....	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards over Portugal.

Lowest, 29.0 in. and less, in a small depression lying off the south of Norway, and also apparently in another lying to the NE. of the Shetlands.

Gradients rather steep generally. Barometer rising at all but the Norwegian, Danish and German stations.

TEMPERATURE

Highest, 70° at Perpignan, 67° at Aix and Lisbon, 64° at Munich and Bismarck, and 63° at Berlin, Rostock, and Lyons.

Lowest, 51° at Lumbagh H., 53° at Stromway, Wick, Kilm, and Larnaca, and 54° at Leith, Malin Head, Mullaghmore, and Oxford.

The highest maxima registered over our Islands yesterday were 63° at Jersey, 67° at York, and 66° at Rith and Dungeness.

WIND

Strong from the NW. at many of our western and northern stations, and from the W. on our eastern, southern, and the French coasts.

Weak or strong from SW over Denmark, Germany, and the Netherlands, and from the S. or SE. in Scandinavia.

A strong to whole gale from the W. was experienced yesterday over the eastern parts of the Channel.

WEATHER

Squally and showery in nearly all parts of the United Kingdom, with thunder at Oxford; rainy in Norway and also in Holland and N. Germany.

Cloudy in most other countries, but fair in the west and south of France.

Since yesterday morning 0.7 in. of rain has fallen at Wick and Rocherpoint, and 1.0 in. at Lumbagh H. and Loughborough.

SEA

High off the north and northwest of France, and rough or rather so on nearly all the British coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is at present rising briskly in the west; and although the general appearance remains unsettled there are no definite indications of the advance of any further depressions.

FORECASTS

For the 24 hours ending at NOON on 23rd August, 1889.

DISTRICTS.		FORECASTS.	
0	SCOTLAND NORTH	{	NW ^{ly} or N ^{ly} strong winds or gales; squally, showery.
1	SCOTLAND EAST		
2	ENGLAND N.E.	{	W ^{ly} to NW ^{ly} winds, fresh or strong; squally, some showers.
3	ENGLAND EAST		
4	MIDLAND COUNTIES		
5	ENGLAND SOUTH		W ^{ly} to NW ^{ly} winds, strong, a gale on coast; squally, some showers.

DISTRICTS.		FORECASTS.	
6	SCOTLAND WEST	{	NW ^{ly} winds, strong, a gale in places; squally, some showers.
7	ENGLAND N.W.		
8	ENGLAND S.W.		
9	IRELAND NORTH	{	NW ^{ly} and N ^{ly} winds, strong to moderate; fair generally, but some showers.
10	IRELAND SOUTH		
WARNINGS		The <u>NORTH CONE</u> was hoisted last evening in districts 0.1. and 5 to 10.	

The NORTH CONE was hoisted last evening in districts 0.1. and 5 to 10.

No. 0. — 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.	Dry.	Wet.	Wind.	Wca.	Sea.		Bar.	Dry.	Wet.	Wind.	Wca.	Sea.
Skudesnaes ...	29.17	55	54	SSW 4	r	5	Holyhead ...	29.18	62	59	SSW 4	c	4
Sumburgh Head ...	29.01	55	55	NE 3	r	6	Valencia ...	29.30	58	55	NW 5	o q	5
Stornoway ...	29.22	56	55	NE 5	0	4	Sailly ...	29.32	62	60	WSW 7	bc q	6
Aberdeen ...	29.15	62	54	W 3	c	3	Jersey ...	29.53	67	62	WSW 6	0	5
Shields ...	29.24	60	55	SW 1	0	2	Dungeness ...	29.45	64	61	SW 6	c	4
Ardrossan ...	29.23	57	52	SSW 1	0	1	London ...	29.37	61	60	SSW 3	op	4
Malin Head ...	29.25	55	51	ENE 2	c	1	Yarmouth ...	29.41	63	59	S 4	by	4
Mullaghmore ...	29.20	54	53	NE 5	0	3	Rocheport ...	29.43	68	66	WSW 7	0	4
Belmullet ...	29.25	55	52	NNE 4	0	*							

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

The Continental Information is not yet available.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Friday, 23rd August, 1889.
Issued by the Meteorological Office, 63 Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dirac.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.50	55	S	2	bc	29.36	- 10	57	55	+ 1	E	2	0	*	59	48	0.20	
	Hernösand ...	29.21	58	SE	8	r	29.17	- 15	58	56	0	E	4	0	*	63	54	0.43	
	Stockholm ...	29.34	57	S	2	b	29.24	- 19	61	57	+ 1	SSW	4	0	*	64	50	0.16	
	Wisby ...	29.33	59	SW	6	c	29.37	- 05	58	56	- 1	SSW	8	0	*	64	54	0.08	
	Bodö ...	29.20	58	E	2	b	29.20	- 00	57	53	- 2	ESE	4	0	2	64	52	-	
	Christiansund...	28.99	56	W	0	b	29.12	+ 04	51	48	- 1	W	7	P	5	59	50	0.08	
	Skudesnaes ...	29.11	56	W	2	S	29.38	+ 35	51	47	- 6	WSW	7	C	4	63	46	0.12	
	Christiania Fjord (Furder)	29.06	59	S	3	b	29.15	+ 05	58	54	+ 1	WSW	5	0	4	61	55	-	
	Skagen (The Seaw)	29.10	57	WSW	4	r	29.28	+ 26	56	50	- 4	WSW	7	bc	4	63	55	0.43	
	Fanö ...	29.28	57	WSW	6	r	29.57	+ 47	55	50	- 4	WSW	6	C	*	63	54	0.16	
BRITISH ISLANDS.	Sumburgh Head	29.27	48	WSW	6	C	29.22	+ 17	48	48	- 3	WSW	6	r	6	54	40	0.24	
	Stornoway ...	29.60	54	SW	5	bc	29.62	+ 23	52	48	- 1	W	4	bc	3	55	43	0.08	
	Wick ...	29.47	48	N	5	0	29.55	+ 32	53	47	0	N	8	C	6	53	40	0.05	
	Nairn ...	29.58	53	WSW	4	C	29.61	+ 30	53	52	0	W	3	bc	1	58	52	0.03	
	Aberdeen...	29.52	52	SW	6	bc	29.62	+ 40	52	49	- 3	W	2	bc	2	57	47	0.11	
	Leith ...	29.57	55	WSW	5	C	29.67	+ 36	55	50	+ 1	W	5	C	*	65	47	-	
	Shields ...	29.55	55	N	2	Op	29.72	+ 45	54	50	- 1	SW	4	bc	2	64	47	0.03	
	Spurn Head ...	29.54	57	WSW	3	0	29.81	+ 53	54	51	- 3	WSW	4	bc	4	59	49	0.15	
	York ...	29.58	56	W	1	0	29.82	+ 51	55	51	- 1	W	4	C	*	61	45	0.22	
	Loughborough	29.66	55	W	1	r	29.91	+ 53	53	50	- 3	W	3	C	*	62	48	0.03	
GERMANY.	Ardrossan ...	29.65	56	SW	6	bc	29.74	+ 36	56	52	0	W	5	C	4	61	51	0.05	
	Malin Head ...	29.75	54	WSW	5	C	29.78	+ 31	55	51	+ 1	SW	6	Op	4	57	50	0.08	
	Mullaghmore...	29.84	53	SW	6	Op	29.91	+ 32	54	52	0	WSW	6	Op	5	59	51	0.03	
	Belmullet ...	29.92	55	SW	4	0	29.97	+ 30	54	52	- 1	W	5	0	*	57	51	0.06	
	Donaghadee ...	29.93	54	N	4	0	29.84	+ 39	54	52	+ 1	WSW	4	bc	2	60	52	-	
	Barrow-in-Furness	29.61	58	WSW	6	bc	29.82	+ 49	54	51	- 1	WSW	6	C	*	60	52	0.04	
	Liverpool (Bidston)	29.67	58	WSW	6	C	29.87	+ 49	54	50	- 1	W	6	0	4	59	52	0.04	
	Holyhead ...	29.73	56	SW	6	C	29.93	+ 48	56	52	+ 1	WSW	5	C	5	59	51	0.05	
	Parsonstown ...	29.87	55	SW	2	C	30.00	+ 39	54	51	+ 1	SW	2	C	*	60	48	0.02	
	Valencia ...	29.98	56	WSW	3	C	30.13	+ 37	57	53	0	WSW	3	0	3	60	53	0.01	
FRANCE & NETHERLANDS.	Roche's Point...	29.90	58	WSW	5	b	30.07	+ 40	55	52	0	WSW	3	bc	3	61	50	-	
	Pembroke ...	29.81	58	WSW	5	C	30.02	+ 46	55	53	- 2	SW	5	C	5	59	53	0.09	
	Scilly ...	29.88	59	SW	5	bc	30.10	+ 44	57	53	- 1	SW	4	0	4	60	55	0.03	
	Prawle Point ...	29.81	57	WSW	4	bc	30.06	+ 46	54	52	- 3	WSW	2	Op	2	61	48	0.05	
	Jersey ...	29.83	61	W	6	bc	30.05	+ 38	60	56	0	SW	4	bc	4	63	56	0.11	
	Hurst Castle ...	29.74	60	WSW	6	C	30.00	+ 46	56	55	- 3	SW	4	0	3	65	54	0.03	
	Dungeness ...	29.64	61	W	4	bc	29.93	+ 50	56	52	- 3	SW	3	b	2	66	50	0.11	
	London ...	29.68	55	WSW	3	Op	29.96	+ 50	55	51	- 2	SW	2	bc	*	66	49	0.11	
	Oxford ...	29.77	58	WSW	2	C	29.97	+ 50	52	48	- 2	WSW	2	C	*	65	49	0.09	
	Cambridge ...	29.67	55	SW	1	r	29.93	+ 52	55	51	+ 1	W	2	bc	*	65	46	0.08	
PENINS.	Yarmouth ...	29.59	56	SW	3	C	29.84	+ 50	53	50	- 2	WSW	4	b	3	64	48	0.04	
	Cuxhaven ...	29.43	57	WSW	5	r	29.69	+ 42	57	54	- 2	SW	5	bc	*	62	55	0.36	
	Berlin ...	29.67	65	SW	7	*	29.81	+ 31	60	55	- 3	SW	4	0	*	70	52	-	
	Wiesbaden ...	*	*	*	*	*	29.97	+ 34	59	54	- 3	SW	3	b	*	68	54	-	
	Munich ...	29.99	57	W	4	r	30.10	+ 24	55	53	- 9	SW	4	C	*	70	52	0.08	
	The Helder ...	29.59	58	WSW	3	C	29.81	+ 56	58	53	- 1	W	1	C	2	61	55	0.24	
	Brussels ...	*	*	*	*	*	29.93	+ 43	56	54	- 3	WSW	3	C	*	65	54	0.04	
	Cape Gris Nez...	?	61	WSW	5	C	?	?	56	51	- 3	SW	4	bc	4	63	54	0.67	
	Paris ...	29.82	59	SW	2	0	30.04	+ 30	53	51	- 5	SSW	1	0	*	70	47	0.12	
	Brest ...	29.98	59	SW	4	bc	?	?	58	55	0	WSW	2	C	3	63	52	0.16	

For Explanation of Columns, see p. 4.

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for 8 a.m. on

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1889.

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MEAN HEIGHT OF THE BAROMETER

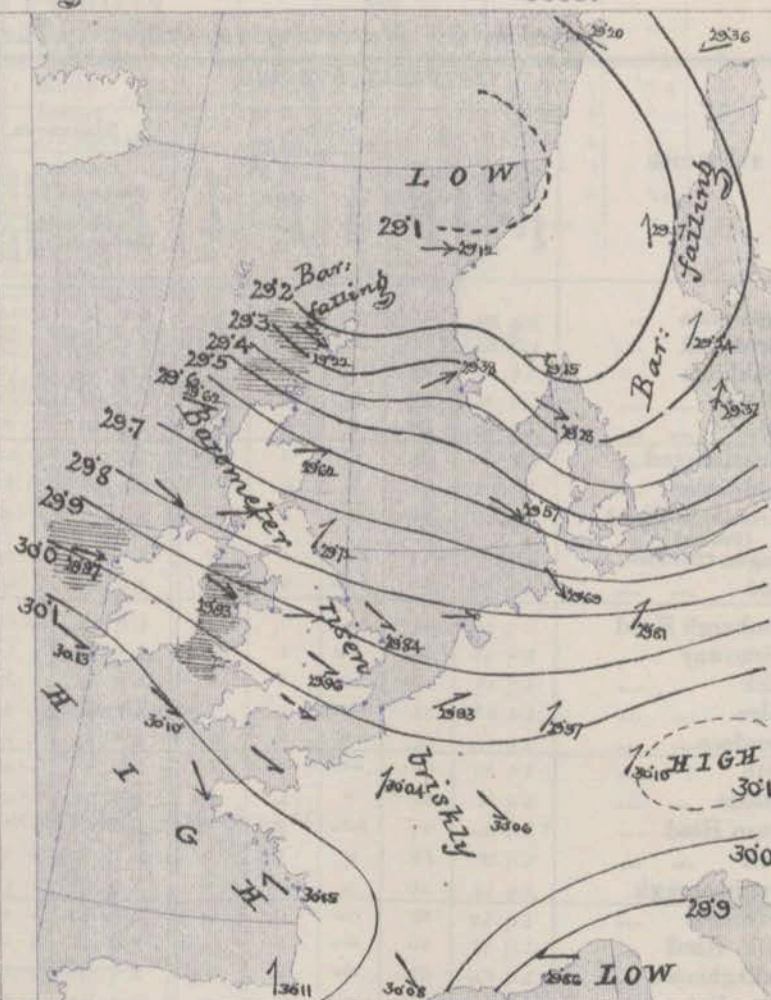
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During the 15 Years: 1871—1885.

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MEAN READINGS.

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Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
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Yarmouth	29.929



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WEATHER is shown by Letters of the Beaufort Scale.

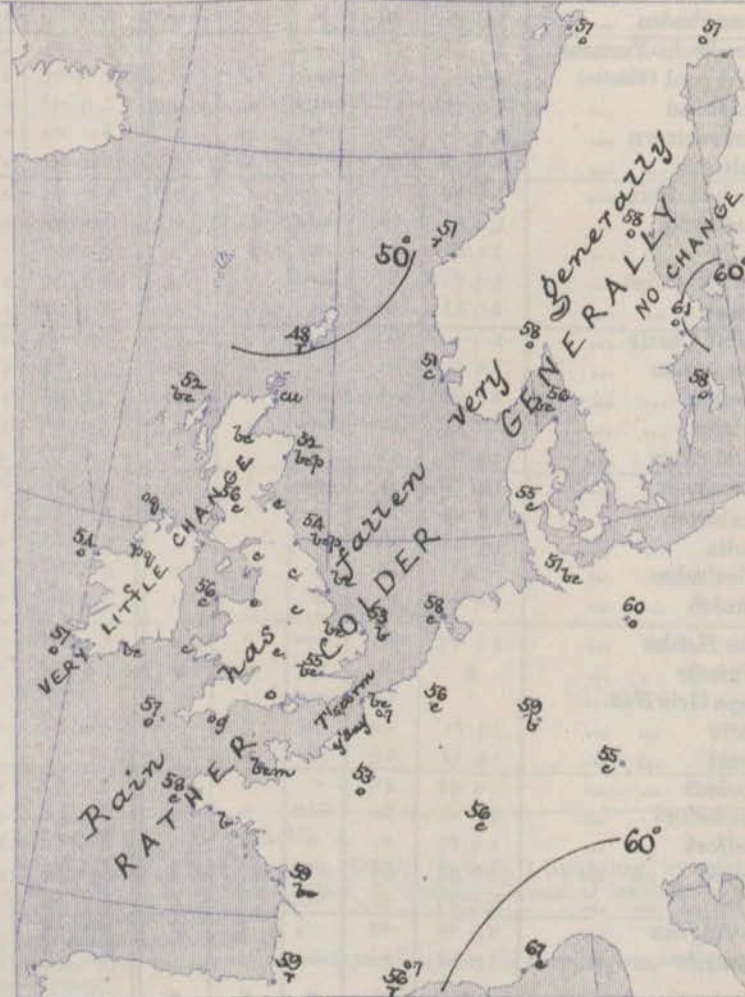
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Sornoway.....	58.5	49.0	55.2	53.3	3.57
Wick.....	61.1	48.5	55.2	53.2	2.35
Nairn.....	63.4	50.2	55.6	52.7	2.81
Aberdeen.....	63.1	50.2	56.7	53.6	3.13
Leith.....	65.8	51.4	57.6	54.6	2.62
Shields.....	63.5	52.3	57.5	54.9	2.81
York.....	68.1	51.4	58.0	55.3	2.47
Loughborough.....	70.5	52.1	59.9	57.4	2.61
Ardrossan.....	64.0	53.1	57.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	55.5	2.99
Holyhead.....	64.3	55.0	58.5	56.4	2.89
Liverpool.....	65.7	54.3	58.7	55.5	2.79
Parsonstown.....	66.2	51.7	57.6	55.7	3.48
Valencia.....	65.9	54.1	59.4	57.0	4.65
Roche's Point.....	66.6	53.9	59.0	56.4	3.59
Pembroke.....	63.7	55.8	58.9	56.6	2.01
Scilly.....	64.9	57.2	61.1	59.0	2.45
Jersey.....	69.0	57.4	63.1	60.0	2.26
Hurst Castle.....	68.1	56.1	61.2	59.1	2.31
Dover.....	67.1	57.2	62.6	59.0	2.06
LONDON.....	71.8	53.7	61.4	57.8	2.20
Oxford.....	69.2	53.4	59.2	56.4	2.33
Cambridge.....	71.3	52.1	60.2	57.3	2.25
Yarmouth.....	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards in an anticyclone extending from Spain and the Bay of Biscay to our extreme southwest coasts.
Lowest, 29.1 in. and less, in a depression lying off the west of Norway, 29.2 in. over nearly the whole of Scandinavia.
Gradients steep over the North Sea and the north of Scotland, but moderate or slight elsewhere.
Barometer falling in Sweden and also in the Shetlands but rising elsewhere.

TEMPERATURE

Highest, 67° at Nice, 64° at Stockholm, 63° at Jersey, Berlin and Lirio, and 59° at Wiesbaden, Rochefort and Biarritz.
Lowest, 48° at Edinburgh Head, 51° at Christiansund and Skudenes, 52° at Stornoway, Aberdeen, Oxford, and Lyons, and 53° at Mirk, Kinn, Loughborough and Yarmouth.
The maxima registered over our Islands yesterday were below 60° at several of our western and northern stations.

WIND

W^{ly} or NW^{ly} over our Islands, the north of France and the eastern shores of the North Sea; strong in force in the west and northwest, with a gale at Mirk.
Moderate from SW. in Germany; S^{ly} in Sweden, with a gale at Mirk; E^{ly} in the north of Scandinavia.
Light S^{ly} in the southwest of France; variable in the rest and south of that country.

WEATHER

Showery in the north and east of our Islands, rainy at Christiansund and Edinburgh Hd., as well as in the south of France.
Fair in most other localities, but dull in the extreme west and southwest of the United Kingdom.
Rain fell yesterday in nearly all parts of Western Europe, and a thunderstorm was experienced at Bingen.

SEA

Rough in the north of Scotland, and rather rough on the more exposed parts of our western and southern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A small depression is apparently forming near the Shetlands, and strong winds or gales from the NW^{ly} are probable on our northern coasts. In the southern part of our Islands, however, a temporary improvement in the weather is likely.

FORECASTS

For the 24 hours ending at NOON on 24th AUGUST 1889.

DISTRICTS.

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

FORECASTS.

NW^{ly} strong winds and gales; squally, some rain.
W^{ly} winds, moderate to strong; squally, showery.
W^{ly} winds, moderate; fair generally, but some showers.

DISTRICTS.

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

FORECASTS

W^{ly} and NW^{ly} winds, strong; squally, some showers.
NW^{ly} to W^{ly} winds, moderate or fresh; fair generally, but not settled.
Same as No 6 and 7.
NW^{ly} to SW^{ly} winds, moderate; fair to unsettled and some rain.

WARNINGS

The NORTH CONE is still flying in districts 6, 7, and 9, but the signals have been lowered this morning in districts 5, 8, and 10.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wea.	Sea.		Bar.	Dry.	Wet.	Wind.	Wea.	Sea.
Skudesnaes ...							Holyhead ...	29.62	58	54	W 5	c q	5
Sumburgh Head ...	29.17	52	50	W 5	0	6	Valencia ...	29.92	60	54	W 5	c q m	4
Stornoway ...	29.57	55	51	W 5	C	4	Scilly ...	29.81	59	57	W 5	b c q	5
Aberdeen ...	29.41	55	48	W 7	c q	5	Jersey ...	29.76	62	57	W 7	b c	5
Shields ...	29.43	60	54	W 4	C	3	Dungeness ...	29.55	60	59	W 6	b c	5
Ardrossan ...	29.34	61	48	W 5	C	4	London ...	29.57	65	57	W 5	C	3
Malin Head ...	29.65	55	50	W 6	0	4	Yarmouth ...	29.46	64	57	W 5	b c	3
Mullaghmore ...	29.76	57	52	W 6	c q p	5	Rochefort ...	30.00	67	62	W 5	C	2
Belmullet ...						*							

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

The reports for yesterday morning showed that pressure was still highest (30.0 ins. to 30.2 ins.) over the Spanish Peninsula, and that it varied between 29.8 ins. and 30.0 ins. over the whole of southern and southeastern Europe, and between 29.6 ins. to 29.8 ins. over Russia. From these regions it decreased to 29.0 ins. in a double depression which lay over the southwest of Norway and northeastern parts of the North Sea. Gradients were somewhat steep over the British Islands and their neighbourhood, as well as over the Netherlands and North Germany — elsewhere they were slight, especially over Russia and southeastern Europe. The wind was moderate to strong and squally from N. and NW. over the British Islands, from W. in the North of France, moderate to fresh from SW. over Germany, S. over the Baltic and SE. over Norway. Over southwestern, southern and southeastern Europe it was light and variable. The weather was squally and showery over the northwestern and northern countries generally, and was dull & unsettled over the greater part of France and Germany; over Spain, the Mediterranean and southeastern Europe, however, it was fine and bright. Temperature was below 60° over all the northwestern countries, as well as over the northern parts of Scandinavia and Russia, it was above 60° over Germany, the southern half of France and South of Russia, and above 70° at most of the Mediterranean stations. The highest individual values were 82° at Palma, 81° at Brindisi, 80° at Barcelona, 79° at Sfax and Algiers, 77° at Cagliari, 75° at Malta, Lissina and Trieste, 73° at Palermo, Pescara and Leghorn, 71° at Naples and Rome, and 70° at Perpignan; the lowest were 51° at Sumburgh Head and Archangel, 53° at Wick, Stornoway and Donaghadee, 54° at Leith and Oxford, and 55° in many other parts of the British Islands and their neighbourhood.

Later in the day the barometer rose in most places, and the weather though showery and squally showed some tendency to improve over the British Islands, but temperature was low.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Saturday, 24th August, 1889*
Issued by the Meteorological Office, 63 Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ..	29.28	SE	2	0	29.30	-.06	56	55	-1	2	0	0	*	59	48	0.00		
	Hernösand ...	29.20	SE	0	0	29.34	+.17	54	48	-4	SW	6	6	*	63	?	-		
	Stockholm ...	29.46	SE	4	b	29.62	+.38	56	51	-5	NSW	4	bc	*	66	52	-		
	Wisby ...	29.64	SE	8	b	29.74	+.37	64	60	+6	SW	4	c	*	?	54	-		
	Bodö ...	29.21	SE	2	c	29.28	+.08	52	50	-5	SE	0	0	0	64	48	-		
	Christiansund...	29.19	NE	3	bc	29.34	+.22	54	51	+3	NSW	2	0	3	55	50	-		
	Skudesnaes ...	29.39	NSW	8	r	29.50	+.12	53	52	+2	W	6	r	5	?	50	1.10		
	Christiania Fjord (Færdar)	29.43	NSW	7	0	29.49	+.34	55	51	-3	NSW	8	b	5	59	55	-		
	Skagen (The Seaw)	29.53	W	4	bc	29.61	+.33	54	50	-2	NSW	4	bc	2	59	52	-		
	Fanö ...	29.72	W	4	b	29.69	+.12	59	55	+4	W	5	c	*	61	54	0.08		
BRITISH ISLANDS.	Sumburgh Head	29.35	WNW	6	r	29.52	+.30	50	49	+2	WNW	2	0	4	50	45	0.60		
	Stornoway ..	29.63	NW	4	bc	29.72	+.10	50	49	-2	NW	3	0	3	57	45	0.02		
	Wick ...	29.56	NW	4	c	29.63	+.08	52	49	-1	N	5	c	4	57	44	0.07		
	Nairn ...	29.61	W	2	bc	29.71	+.10	50	50	-2	W	1	c	1	60	47	0.06		
	Aberdeen...	29.62	NW	2	cp	29.70	+.08	52	48	0	WNW	2	c	2	59	43	0.03		
	Leith ...	29.65	W	5	c	29.73	+.06	55	50	0	W	2	cm	*	62	47	0.03		
	Shields ...	29.71	NSW	5	c	29.72	-.01	54	52	0	NW	2	c	2	60	50	-		
	Spurn Head ...	29.80	W	5	c	29.74	-.07	53	52	-1	NSW	3	r	4	61	51	0.06		
	York ...	29.82	W	3	c	29.76	-.06	52	51	-3	W	1	c	*	64	50	0.28		
	Loughborough	29.89	NSW	3	c	29.81	-.10	53	52	0	W	2	0	*	62	50	0.10		
GERMANY.	Ardrossan ...	29.71	W	6	cp	29.76	+.02	55	51	-1	W	3	b	2	59	48	0.10		
	Malin Head ...	29.75	WNW	5	ogp	29.80	+.02	53	49	-2	W	4	bp	3	57	51	0.05		
	Mullaghmore ...	29.87	W	7	ogp	29.85	-.06	54	51	0	NW	4	cv	2	59	52	0.47		
	Belmullet ...	29.93	WNW	5	ogp	29.89	-.08	54	51	0	NW	1	b	*	57	51	0.47		
	Donaghadee ...	29.82	WNW	3	r	29.80	-.04	53	51	-1	WNW	3	b	1	62	52	0.02		
	Barrow-in-Furness	29.79	SW	6	r	29.73	-.09	54	52	0	N	2	bc	*	59	53	0.17		
	Liverpool (Bidston)	29.86	NSW	6	bc	29.77	-.10	54	51	0	W	3	c	4	59	50	0.82		
	Holyhead ...	29.90	W	4	rg	29.80	-.13	55	53	-1	WNW	4	bc	4	63	52	0.18		
	Parsonstown ...	29.97	SW	2	c	29.89	-.11	52	50	-2	NSW	2	b	*	60	49	0.06		
	Valencia ...	30.09	W	3	omp	29.98	-.15	56	55	-1	WNW	3	om	3	60	53	0.12		
FRANCE & NETHERLANDS.	Roche's Point...	30.06	WNW	4	0	29.94	-.13	55	52	0	WNW	4	bcp	4	61	50	0.08		
	Pembroke ...	29.99	W	6	c	29.87	-.15	55	53	0	NSW	7	capp	6	58	52	0.10		
	Scilly ...	30.10	WNW	5	c	29.99	-.11	58	55	+1	NW	5	0	4	61	54	-		
	Prawle Point ...	30.07	W	3	bc	29.95	-.11	56	54	+2	W	5	ogu	4	61	47	0.01		
	Jersey ...	30.09	WNW	3	b	30.01	-.04	59	55	-1	W	5	ogpm	4	62	54	0.04		
	Hurst Castle ...	30.02	NW	3	c	29.91	-.09	55	54	-1	WNW	6	cp	3	64	54	0.02		
	Dungeness ...	29.94	NW	4	bc	29.88	-.05	56	53	0	WNW	4	c	2	65	52	-		
	London ...	29.95	NSW	2	0	29.86	-.10	54	52	-1	SSW	2	OT	*	63	51	0.03		
	Oxford ...	29.96	NSW	4	c	29.85	-.12	52	51	0	SW	2	r	*	62	52	0.06		
	Cambridge ...	29.92	SW	1	0	29.83	-.10	54	53	-1	SW	2	r	*	63	50	0.05		
PENINSULA.	Yarmouth ...	29.89	W	3	bc	29.80	-.04	55	52	+2	NSW	3	c	3	62	50	-		
	Cuxhaven ...	29.82	SW	2	bc	29.80	+.11	56	54	-1	SW	3	b	*	62	56	-		
	Berlin ...	29.93	NSW	2	b	29.90	+.09	56	53	-4	WNW	2	0	*	66	54	-		
	Wiesbaden ...	*	*	*	*	29.95	-.02	57	54	-2	SW	1	c	*	64	50	-		
	Munich ...	30.07	SE	4	0	30.00	-.10	49	49	-6	W	3	r	*	63	48	0.59		
	The Helder ...	29.86	W	3	r	29.79	-.02	58	54	0	NSW	2	c	3	59	57	0.04		
	Brussels ...	*	*	*	*	29.91	-.02	54	52	-2	SSW	3	bc	*	63	51	-		
	Cape Gris Nez...	?	60	W	4	c	?	56	54	0	NSW	4	0	4	63	54	-		
	Paris ...	30.05	NSW	2	0	30.04	-.00	52	50	-1	SW	1	bc	*	68	46	-		
	Brest ...	?	58	NW	1	0	?	60	57	+2	WNW	2	0	3	71	52	-		

For Explanation of Columns, see p. 4.

‡ Received too late for insertion in Charts on p. 2.

1889.

EXPLANATION OF MAP

Changes since previous morning are stated in words.

→ = forces above 10; → = forces 8 to 10;
 → = forces 5 to 7; → = forces 1 to 4.
 ☉ = dead calm.

= Rough. = High.

at 8.0 a.m. for the month of August.
During the 15 Years: 1871—1885.

A hand-drawn map of Europe and the North Atlantic showing isobars and weather trends. The map includes labels for 'LOW' at the top right, 'HIGH' at the bottom left, and various isobars ranging from 29.3 to 30.2. Handwritten notes indicate 'Bar: rising' and 'Bar: falling' in different regions, along with 'Barometer' and 'Somewhat'.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more, are quoted in figures.

TEMPERATURE.

[illegible]

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins. and upwards, in an anticyclone lying over the Bay of Biscay.
Lowest, 29.3 ins. and less, in a large depression lying over the north of Scandinavia; 29.8 ins. and less, in another disturbance lying over the Gulf of Genoa.
Gradient moderate. Barometer falling over England, the Netherlands, Germany and the north of France, but rising elsewhere.

TEMPERATURE

Highest, 64° at Wick, 63° at Ales, 61° at Lisbon, 60° at Biarritz and Tarpignan, 59° at Cuxhaven, and 58° at Scilly.
Lowest, 48° at Munich and 50° at Sumburgh Head, Stromway and Jäms, and 52° at Bodø, Wick, York, Parsonstown and Oxford.
The maxima registered yesterday were again below 60° at several of our western and northern stations.

WIND

Moderate or fresh from W. or NW. over the greater part of our islands and the west of France.
SW in most other localities; strong to a gale in force over the Christiania Fjord.

WEATHER

Rainy over Central England, and showery at several of our western and southern stations.
Fair in most other localities, but rainy at Skudsmo and Munich. A thunderstorm is reported at Biarritz.
Rain fell yesterday in most parts of Western Europe, the largest amounts being 0.8 in. at Liverpool, and 0.6 in. at Sumburgh Head and Munich.

SEA

Rough at Pembroke and rather rough at Lander, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the depressions over our islands move eastwards some temporary improvement in the weather is likely to take place. Conditions are, however, still very unsettled.

FORECASTS

For the 24 hours ending at NOON on 25th August. 1889.

DISTRICTS.

FORECASTS.

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

NW^{ly} winds, moderate, fair generally, but some showers.
SW^{ly} to NW^{ly} winds, moderate, showery to fair.
W^{ly} to NW^{ly} winds, fresh, showery to fair.

DISTRICTS.



FORECASTS

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

Same as Nos 0 and 1.
NW^{ly} winds, fresh or strong, changeable, some showers.
NW^{ly} winds, backing later, fair to showery.

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.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...							Holyhead ...	29.93	57	54	W 4	c q p	4
Sumburgh Head ...	29.29	50	49	WNW 7	0	7	Valencia ...	30.12	59	53	WNW 4	o m	4
Stornoway ...	29.62	57	52	W 3	6 c	3	Scilly ...	30.12	59	56	WNW 5	c	5
Aberdeen ...	29.60	59	50	WNW 3	6 c	3	Jersey ...	30.12	61	54	WNW 3	0	3
Shields ...	29.72	59	54	WNW 4	c	3	Dungeness ...	29.95	64	55	WNW 4	6	2
Ardrossan ...	29.74	59	56	W 6	c	4	London ...	29.98	63	55	WNW 3	c	*
Malin Head ...	29.77	56	53	W 5	0	4	Yarmouth ...	29.88	61	54	W 4	6 c	2
Mullaghmore ...	29.90	57	55	WNW 6	o q p	5	Rochefort ...	30.19	66	61	WNW 4	6 c	2
Belmullet ...	29.97	55	53	WNW 5	o q p	*							

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

Yesterday morning's reports showed that pressure had increased since the previous morning in all regions except over Sweden, the Gulf of Bothnia, Finland, and the Baltic Provinces towards which districts the depression which passed over our Islands on the previous day had advanced. Readings varied from between 30.34 ins: and 30.10 ins: over Spain, and the west of France, the Bay of Biscay, and extreme southwest of Ireland, and from between 29.9 ins: and 30.0 ins: over the southern half of Russia to 29.2 ins: and less in a depression lying over Scandinavia, and in a small secondary disturbance lying over or near to the Shetlands. The wind was fresh to strong from between W. and NW. over the British Isles and the north of France, as a whole, and blew a gale from N. at Nice; it was moderate from W. in the Netherlands, from SW. over Germany and the Baltic Provinces, from S. over Finland and Sweden and from SE. in Lapland and the north of Russia. The weather was unsettled except in the extreme southeast of Europe and over the greater part of the Mediterranean, though fairer over the British Isles than on the previous day, much rain was falling over Finland. Temperature continued high over the southern and eastern parts of the Mediterranean, but was very low over the northwest and extreme west of Europe. The highest morning values were 86° at Sfax (Tunis), 81° at Brindisi and Algiers, 80° at Cagliari, 79° at Barcelona, 77° at Trieste, 75° at Constantinople, Linnæ, Lighorn, and Sangunario, and 67° at Nice. The lowest were 48° at Sumburgh H., 51° at Christiansund and Skudesnaes, 52° at Aberdeen, Oxford, and Lyons, 53° at Airm, Yarmouth and Paris, 54° at Uleaborg, Belmullet, Banow in Funnos, Liverpool, Sperm H., and Thorsd. 55° at Munich and 56° at Perpignan and Belfast.

Later on some shallow secondary system passed over the United Kingdom, where the weather continued unsettled and showery generally, and thunderstorms were experienced in the southwest of France.

EXPLANATION OF 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.

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The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Sunday 25th August 1889
 Issued by the Meteorological Office, 63 Victoria Street, London. R. H. SCOTT, Secretary.

		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
STATIONS.		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.		WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.		
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.			Force. (0 to 12.)	Max.		Min.	
SCANDINAVIA.	Haparanda ..	29.48	55	S	4	0	29.53	+ .23	55	53	—	1	S	4	0	59	52	—	
	Hernösand ...	29.47	52	SW	2	0	29.57	+ .23	52	49	—	2	SW	4	0	63	48	0.39	
	Stockholm ...	29.67	54	SW	2	0	29.62	+ .01	55	53	—	1	Z	0	0	64	48	—	
	Wisby ...	29.78	55	W	4	0	29.63	— .11	58	55	—	6	NNW	4	0	64	54	—	
	Bodö ...	29.39	52	Z	0	0	29.44	+ .16	52	51	—	0	Z	0	0	55	50	—	
	Christiansund...	29.49	53	WSW	5	0	29.52	+ .16	53	50	—	1	W	7	0	54	50	0.04	
	Skudesnaes ...	29.64	53	W	2	0	29.66	+ .16	55	51	+	2	SSE	2	0	58	46	0.24	
	Christiania Fjord (Fjorder)	29.57	58	WSW	5	0	29.58	+ .09	54	50	—	1	WSW	3	0	59	54	—	
	Skagen (The Seaw)	29.65	53	W	1	0	29.63	+ .02	54	51	—	0	W	2	0	61	48	—	
	Fanö ...	29.71	54	S	1	0	29.65	— .04	53	53	—	6	ENE	1	0	63	52	0.20	
BRITISH ISLANDS.	Sumburgh Head	29.57	52	N	1	0	29.65	+ .13	49	49	—	1	N	3	0	55	44	0.09	
	Stornoway ...	29.69	52	W	4	0	29.74	+ .07	50	49	—	0	N	5	0	55	48	0.30	
	Wick ...	29.62	49	W	3	0	29.70	+ .07	52	50	—	0	N	3	0	55	45	0.10	
	Nairn ...	29.68	51	W	2	0	29.73	+ .02	53	52	+	3	W	1	0	58	48	0.07	
	Aberdeen...	29.71	56	NNW	1	0	29.71	+ .01	55	50	+	3	NNW	3	0	60	50	—	
	Leith ...	29.74	56	W	2	0	29.72	— .01	56	52	+	1	NW	2	0	65	50	0.01	
	Shields ...	29.76	54	ENE	1	0	29.73	+ .01	52	51	—	2	W	2	0	56	47	0.02	
	Spurn Head ...	29.74	54	NE	1	0	29.78	+ .04	53	50	—	0	WSW	3	0	59	47	0.13	
	York ...	29.77	56	E	1	0	29.79	+ .03	51	49	—	1	S	1	0	65	43	0.04	
	Loughborough	29.79	58	NNW	2	0	29.85	+ .04	51	49	—	2	W	2	0	63	44	0.05	
GERMANY.	Ardrossan ...	29.78	55	N	3	0	29.82	+ .06	55	53	—	0	NW	5	0	60	53	0.01	
	Malin Head ...	29.82	55	NW	3	0	29.87	+ .07	52	50	—	1	NNW	6	0	58	51	0.04	
	Mullaghmore ...	29.88	56	NW	4	0	29.95	+ .10	55	51	+	1	NNW	5	0	60	52	0.01	
	Belmullet ...	29.92	56	NNW	2	0	29.99	+ .10	56	51	+	2	N	3	0	58	47	0.02	
	Donaghadee ...	29.84	56	N	5	0	29.86	+ .06	54	53	+	1	NW	4	0	60	48	0.02	
	Barrow-in-Furness	29.77	56	NW	4	0	29.76	+ .03	54	53	—	0	NW	4	0	59	52	0.10	
	Liverpool (Bidston)	29.80	55	NNW	2	0	29.82	+ .05	53	51	—	1	W	4	0	59	50	0.11	
	Holyhead ...	29.83	55	NNW	2	0	29.86	+ .06	54	52	—	1	NW	4	0	62	49	—	
	Parsonstown ...	29.89	55	Z	0	0	29.99	+ .10	50	49	—	2	Z	0	0	61	41	—	
	Valencia ...	29.96	57	NNW	2	0	30.05	+ .07	55	53	—	1	NNE	2	0	63	51	0.28	
FRANCE & NETHERLANDS.	Roche's Point...	29.90	59	NW	3	0	30.01	+ .07	52	51	—	3	N	3	0	61	47	—	
	Pembroke ...	29.87	57	N	4	0	29.93	+ .06	55	52	—	0	NW	4	0	58	51	0.04	
	Scilly ...	29.95	59	WSW	4	0	29.94	— .05	57	54	—	1	NNW	4	0	60	54	0.05	
	Prawle Point ...	29.91	55	NW	4	0	29.93	— .02	59	56	+	3	W	3	0	68	54	0.18	
	Jersey ...	29.97	59	NNW	5	0	29.96	— .05	59	56	—	0	W	5	0	64	55	0.21	
	Hurst Castle ...	29.86	58	W	6	0	29.92	+ .01	57	56	+	2	N	2	0	60	48	0.34	
	Dungeness ...	29.80	59	W	5	0	29.87	— .01	57	50	—	2	NW	3	0	63	45	0.21	
	London ...	29.82	54	WSW	2	0	29.88	+ .02	55	51	+	1	NW	1	0	65	44	0.24	
	Oxford ...	29.85	53	NNW	3	0	29.90	+ .05	57	49	—	1	WSW	1	0	62	43	0.21	
	Cambridge ...	29.79	55	Z	0	0	29.87	+ .04	54	51	—	0	W	1	0	64	42	0.05	
GERMANY.	Yarmouth ...	29.77	54	NNW	1	0	29.81	+ .01	53	51	—	2	NNW	2	0	59	45	0.02	
	Cuxhaven ...	29.75	55	SW	3	0	29.71	— .09	55	54	—	1	SW	3	0	63	54	0.04	
	Berlin ...	29.84	53	SW	2	0	29.85	— .05	55	53	—	1	WSW	3	0	64	52	—	
	Wiesbaden ...	*	*	*	*	*	29.94	— .01	57	54	—	0	SW	1	0	64	52	0.08	
	Munich ...	30.08	51	SW	4	0	30.06	+ .06	53	50	+	4	SW	4	0	35	48	0.35	
	The Helder ...	29.75	56	WSW	1	0	29.77	— .02	53	52	—	5	SSW	1	0	59	53	0.35	
	Brussels ...	*	*	*	*	*	29.84	— .02	54	52	—	0	WSW	1	0	60	52	0.12	
	Cape Gris Nez...	?	59	W	5	0	?	?	55	53	—	1	NNW	2	0	61	54	0.12	
	Paris ...	29.98	55	S	1	0	29.98	— .06	53	51	+	1	SW	2	0	?	50	0.04	
	Brest ...	?	60	NNW	2	0	?	?	58	56	—	2	NW	2	0	63	52	0.04	
FRANCE & NETHERLANDS.	Lorient ...	30.07	59	W	5	0	30.01	— .11	57	53	—	0	W	2	0	61	55	—	
	Rocheport ...	30.16	61	NNW	4	0	30.09	— .12	59	57	+	2	WSW	2	0	68	52	0.20	
	Belfort ...	30.01	52	SW	1	0	30.01	— .01	53	47	—	1	WSW	1	0	58	45	1.18	
	Lyons ...	30.09	59	W	1	0	30.08	— .01	55	50	+	1	W	1	0	65	51	—	
	Nice ...	29.89	65	SE	5	0	29.93	+ .15	63	56	—	0	SSW	4	0	75	55	—	
	Perpignan ...	30.08	66	NW	3	0	30.10	— .05	61	57	+	1	W	2	0	72	52	—	
	Biarritz ...	30.15	66	WSW	3	0	30.04	— .14	57	55	—	3	ESE	3	0	66	54	—	
	Corunna ...	*	*	*	*	*	29.97	+ .31	61	59	+	6	ESE	1	0	73	52	0.04	
	Lisbon ...	30.08	64	NNW	5	0	30.08	— .04	62	55	+	1	NNE	3	0	77	57	—	
	PERIN. SLA.																		

WEATHER CHARTS

for 8 a.m. on

Sunday, 25th August,

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;

→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

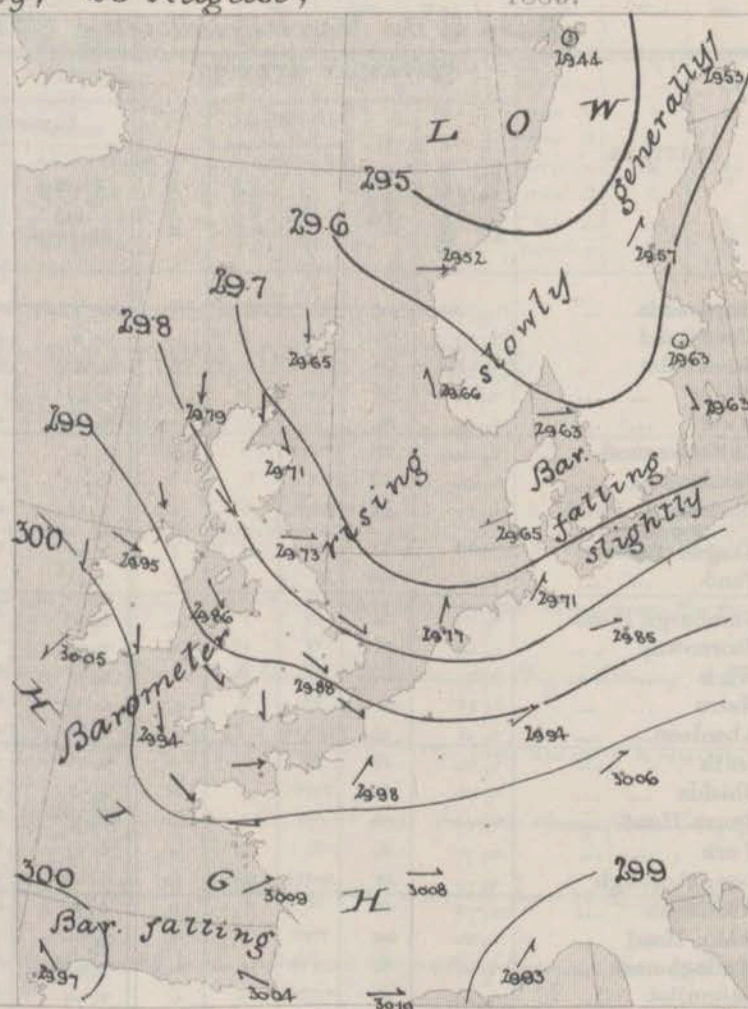
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.885
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roehe's Point	29.922
Pembroke	29.921
Silly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

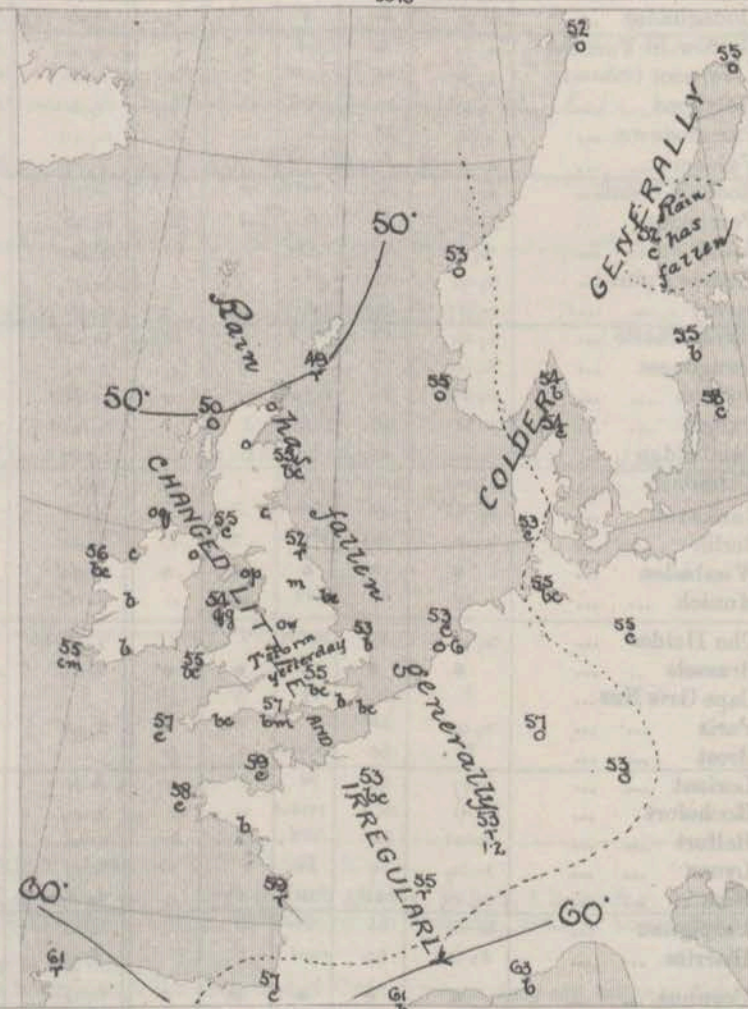
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.8	3.13
Leith.....	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	55.5	2.99
Holyhead.....	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roehe's Point	66.5	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Silly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	65.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.10 in. at Perpignan, 30.0 in. and upwards, over the Bay of Biscay, the greater part of Spain, the southern part of France and Germany, and the south of Ireland.
Lowest, 29.5 in. and less, in a large depression lying over the north of Scandinavia.

Gradients slight. Barometer rising in most part of our Islands and Scandinavia, but falling elsewhere.

TEMPERATURE

Highest, 63° at Kiel, 62° at Lisbon, 61° at Comuna and Perpignan, 59° at Haute Point, Jersey and Rochefort, and 58° at Nisby.

Lowest, 49° at Sunninghill, 48° at Stornoway and Barmston, and 51° at York, Loughborough and Oxford.

The maxima reported over our Islands yesterday were again below 60° at several of our western and northern stations.

WIND

Light to fresh from the NWth or Nth over the greater part of our Islands, but Wth in the east of England and also in the west of France.

Light from the SWth over the Netherlands, Germany and the east of France, as well as at some of the Scandinavian stations.

WEATHER

Fair generally, but showery in the north of England, and rainy over Central France as well as at Comuna.

Showers fell yesterday in most part of Western Europe, and thunderstorms were experienced at some of the English stations.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 26th AUG: 1889.

DISTRICTS.

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

FORECASTS.

NONE ISSUED

DISTRICTS.

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

WARNINGS

FORECASTS

NONE ISSUED.

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.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		
Skudesnaes ...	29.54	58	54	W	2	0	4	Holyhead ...	29.83	59	55	NN	3	6	3
Sumburgh Head ...	29.57	58	49	NNN	1	C	4	Valencia ...	29.96	63	60	NNN	4	cp	5
Stornoway ...	29.42	53	62	NN	4	0	4	Scilly ...	29.98	60	57	NNN	4	bep	4
Aberdeen ...	29.72	58	56	NNN	2	C	2	Jersey ...	29.99	58	54	NNN	5	C	4
Shields ...	29.74	56	51	NE	2	bc	3	Dungeness ...	29.80	59	54	W	5	r	3
Ardrossan ...	29.78	58	53	W	3	bc	2	London ...	29.82	62	55	W	3	C	3
Malin Head ...	29.83	60	52	NN	3	bc	2	Yarmouth ...	29.76	59	55	W	3	bc	3
Mullaghmore ...	29.58	58	53	NNN	5	bv	3	Rochefort ...	20.19	?	58	NNN	4	C	2
Belmullet ...	29.91	56	51	NW	2	bc	*								

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

The reports for yesterday morning showed that pressure ranged from ^{between} 30.0 ins. to 30.3 ins. in a high pressure area covering the Bay of Biscay, the Spanish Peninsula and France, and from 30.0 ins. and more, in another system lying over the southern half of Russia to 29.3 ins. and less, in a large low pressure system the central portion of which lay over Lapland and the north of Scandinavia, and to 29.8 ins. and less, in another (complex) disturbance lying over the Gulf of Genoa, Northern Italy, and the adjacent parts of Austria and the Adriatic. Thus, while the wind was moderate to strong from between W. and NW. over our Islands, and from between W. and SW. over Germany and the Baltic, and blew a gale at one or two isolated stations, there was a strong cyclonic circulation over the northern parts of the Mediterranean and Adriatic, and light to moderate NW^{ly} breezes over the Spanish Peninsula, and Algeria. The weather was unsettled except in the ^{extreme} southwest, south, and southeast, the sky was cloudy, rain was falling in several places, and a thunderstorm was prevalent at Sicily. Temperature was low except on the southern and southeastern shores of the Mediterranean; in the large majority of places the morning readings were below 60° and in a few places they were below 50°. The highest individual values were 84° at Sfax (Tunis), 82° at Palermo, 81° at Brindisi, 75° at Cagliari and Constantinople, 74° at Palma, Oran and Pdeira, 73° at Rome, and 70° at Lefhorn and Trieste; at Perpignan the temperature was 60° and at Toulon 57°. The lowest values were 43° at Munka and L. Mans, 50° at Sumburgh H., Stornoway and Nain, 52° at Aberdeen, York, Oxford and Paris, and 53° to 55° over the greater part of England and France.

(During the day cold weather prevailed generally, showers in the northern and central countries, thunder in places.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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for *Monday, 26th August, 1889.*
Issued by the Meteorological Office, 63 Victoria Street, London. R.H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 3 P.M. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Dir.	Force (0 to 12.)		Reading at 3 P.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force (0 to 12.)		Weather.	Max.		Min.	
SCANDINAVIA.	Haparanda ..	29.56	53	S	2	0	29.58	+ .05	54	53	- 1	SE	2	0	*	57	52	0.08	
	Hernösand ...	29.61	56	SE	0	0	29.65	+ .08	56	54	+ 4	SE	0	0	*	64	46	0.12	
	Stockholm ...	29.68	57	SW	2	6	29.65	- .08	57	55	+ 2	SE	0	0	*	64	50	-	
	Wisby ...	29.71	56	SW	4	0	29.73	+ .10	53	52	- 5	S	4	0	*	64	?	0.12	
	Bodö ...	29.57	53	SW	1	0	29.58	+ .14	55	53	+ 3	SE	0	0	1	57	52	-	
	Christiansund...	29.62	53	NE	2	0	29.64	+ .12	54	52	+ 1	SEA	2	0	1	55	48	0.04	
	Skudesnaes ...	29.69	54	W	1	0	29.73	+ .07	56	52	- 0	SE	0	0	3	61	48	-	
	Christiania Fjord (Farder)	29.62	58	SSW	3	6	29.64	+ .06	55	54	+ 1	NE	3	0	3	61	?	-	
	Skagen (The Scaw)	29.64	54	W	2	6	29.68	+ .05	58	54	+ 4	NE	3	6C	2	61	52	-	
	Fanö ...	29.77	51	SE	0	7	29.79	+ .14	59	54	+ 6	W	3	6	*	59	49	0.43	
BRITISH ISLANDS.	Sumburgh Head	29.86	50	N	3	0	29.78	+ .13	51	49	+ 2	N	3	0	4	53	47	0.07	
	Stornoway ..	29.90	54	NE	4	6C	29.93	+ .14	52	51	+ 2	W	3	0	3	55	45	0.05	
	Wick ...	29.80	48	N	4	0	29.89	+ .19	53	51	+ 1	NE	2	6C	2	58	42	0.04	
	Nairn ...	29.86	52	W	3	C	29.92	+ .19	52	49	- 1	NE	1	E	2	55	46	0.03	
	Aberdeen...	29.81	52	N	4	CPE	29.93	+ .22	54	49	- 1	NE	3	6C	3	58	45	0.04	
	Leith ...	29.83	56	SE	2	7	29.99	+ .27	56	50	- 0	W	1	bm	*	68	44	0.35	
	Shields ...	29.79	55	SE	0	P	29.95	+ .22	49	47	- 3	NE	3	6C	2	57	47	0.07	
	Spurn Head ...	29.79	54	NE	3	C	29.95	+ .17	54	52	+ 1	N	4	7C	3	58	52	0.03	
	York ...	29.82	59	W	1	C	30.00	+ .21	52	50	+ 1	NE	2	6	*	61	49	0.19	
	Loughborough	29.87	57	NE	3	0	30.01	+ .16	53	51	+ 2	W	2	om	*	61	49	0.04	
GERMANY.	Ardrossan ...	29.84	55	NE	6	C	30.01	+ .19	55	52	- 0	NE	3	0	3	60	45	0.02	
	Malin Head ...	29.98	54	NE	5	CPE	30.04	+ .17	53	50	+ 1	NE	4	op	2	55	51	0.04	
	Mullaghmore ...	30.02	55	E	4	6C	30.10	+ .15	55	51	- 0	SW	4	og	2	60	52	-	
	Belmullet ...	29.92	56	NE	2	6	30.13	+ .14	55	52	- 1	W	3	0	*	58	48	-	
	Donaghadee ...	29.94	55	NE	4	C	30.09	+ .23	52	51	- 2	W	2	m	0	58	51	-	
	Barrow-in-Furness	29.83	58	NE	5	C	30.01	+ .25	52	49	- 2	NE	2	6	*	61	50	0.03	
	Liverpool (Bidston)	29.89	56	NE	5	0	30.06	+ .24	56	49	+ 3	NE	3	6	4	60	53	0.03	
	Holyhead ...	29.93	57	NE	4	og	30.09	+ .23	56	52	+ 2	NE	3	6	2	58	53	-	
	Parsonstown ...	30.02	58	NE	1	6C	30.16	+ .17	53	50	+ 3	SE	0	6C	*	64	47	-	
	Valencia ...	30.12	57	NE	2	6C	30.23	+ .18	59	55	+ 4	NE	1	6C	1	62	51	-	
FRANCE & NETHERLANDS.	Roche's Point...	30.05	59	NE	3	6	30.20	+ .19	53	50	+ 1	NE	2	6C	3	62	48	-	
	Pembroke ...	29.99	58	W	4	6	30.15	+ .22	55	53	- 0	NE	4	6	3	59	51	-	
	Scilly ...	30.04	58	NE	4	6	30.17	+ .23	58	56	+ 1	NE	4	C	3	59	55	-	
	Prawle Point ...	29.99	58	W	2	6	30.14	+ .21	59	55	- 0	NE	3	6	2	62	51	-	
	Jersey ...	29.99	61	NE	3	6	30.13	+ .17	60	56	+ 1	NE	3	6C	3	63	53	0.01	
	Hurst Castle ...	29.95	61	NE	2	6C	30.10	+ .18	55	53	- 2	NE	3	6C	2	66	51	-	
	Dungeness ...	29.87	60	NE	5	C	30.02	+ .15	57	53	+ 3	NE	3	C	2	66	49	-	
	London ...	29.89	60	W	1	0	30.04	+ .16	53	51	- 2	W	1	6W	*	65	48	0.01	
	Oxford ...	29.95	54	NE	2	0	30.05	+ .15	52	49	+ 1	W	3	0	*	63	47	0.19	
	Cambridge ...	29.87	58	SW	4	0	30.01	+ .14	54	51	- 0	W	2	6	*	64	51	0.14	
GERMANY.	Yarmouth ...	29.83	56	NE	2	OT	29.94	+ .13	54	53	+ 1	W	3	em	2	60	48	0.01	
	Cuxhaven ...	29.79	54	W	3	7	29.84	+ .13	51	50	- 4	S	1	6C	*	60	50	0.44	
	Berlin ...	29.88	56	SW	2	6	29.96	+ .11	51	50	- 4	HSW	2	0	*	64	46	-	
	Wiesbaden ...	*	*	*	*	*	30.02	+ .08	55	52	- 2	SW	2	6C	*	63	46	0.04	
	Munich ...	30.07	49	SE	0	6	30.11	+ .05	54	50	+ 1	SW	4	6C	*	59	43	-	
	The Helder ...	29.84	57	W	1	C	29.87	+ .10	57	54	+ 4	NE	2	C	3	59	7	0.12	
	Brussels ... 9AM	*	*	*	*	*	29.99	+ .10	55	54	+ 1	SW	3	0	*	60	52	0.08	
	Cape Gris Nez...	?	55	W	3	C	?	?	55	53	- 0	NE	4	C	4	63	52	-	
	Paris ...	29.98	57	SW	2	7	30.10	+ .12	51	51	- 2	SSW	1	m	*	67	46	0.47	
	Brest ...	?	59	N	3	C	?	?	62	57	+ 4	N	1	6	2	64	50	-	
FRANCE & NETHERLANDS.	Lorient ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	
	Rochefort ...	30.09	64	NE	3	6C	30.18	+ .09	56	53	- 3	NE	3	6	2	73	50	-	
	Belfort ...	30.04	54	NE	1	6C	30.06	+ .05	51	47	- 2	NE	1	6	*	61	45	0.04	
	Lyons ...	30.03	62	NE	1	C	30.12	+ .04	55	50	- 0	NE	1	6	*	71	51	-	
	Nice ...	29.90	67	SE	2	6C	29.97	+ .04	60	55	- 3	E	4	C	1	75	55	-	
	Perpignan ...	30.02	65	SW	1	0	30.09	- .01	63	61	+ 2	SW	1	0	*	72	59	-	
	Biarritz ...	30.03	65	SE	2	0	30.12	+ .08	61	59	+ 4	SSW	3	0	1	68	55	-	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	30.02	67	NE	4	6	30.04	- .04	65	62	+ 3	N	4	6	?	79	?	-	

For Explanation of Columns, see p. 4.

Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on

Monday, 26th August

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4.
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

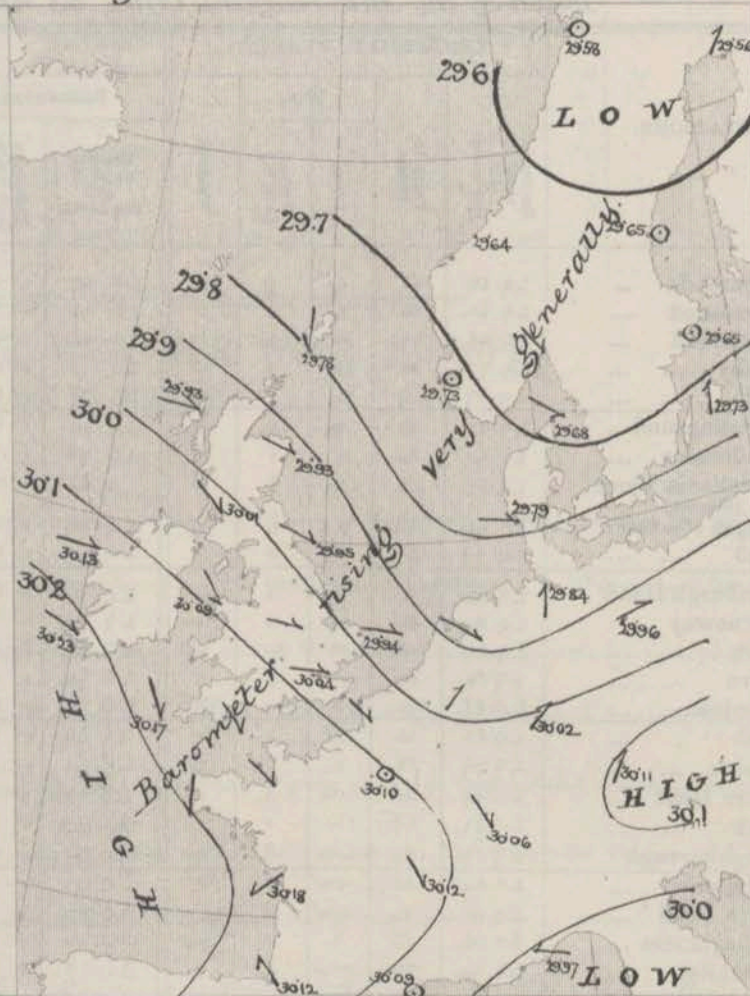
■ = Rough. ■ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.905
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

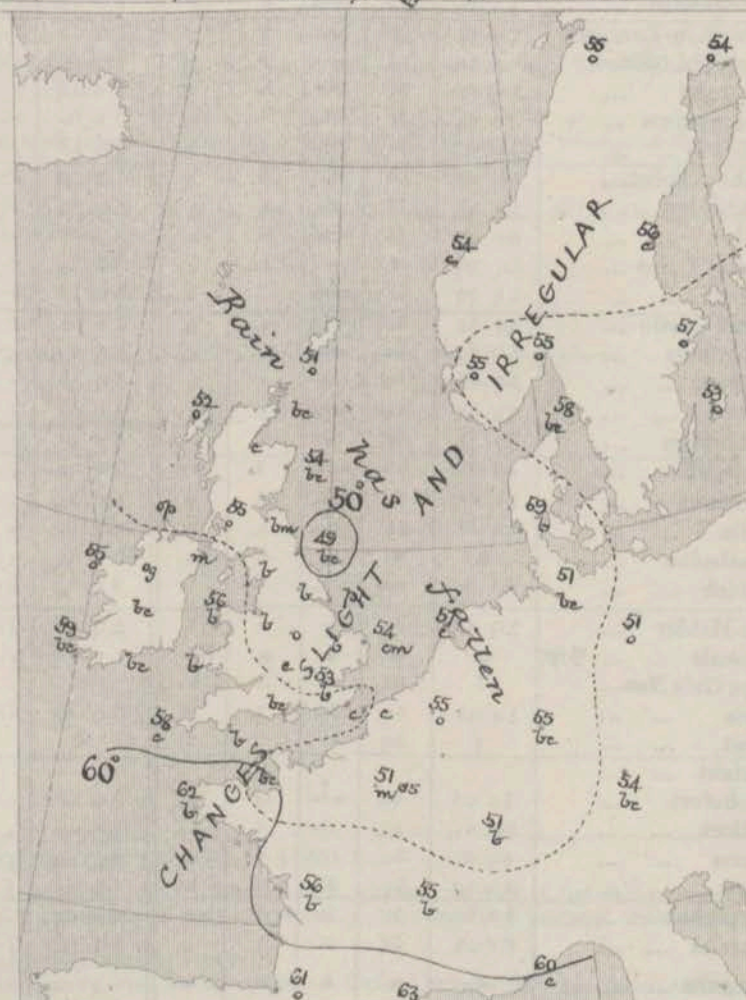
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway.....	58.5	49.0	55.2	53.3	3.57
Wick.....	61.1	48.5	55.2	53.2	2.35
Nairn.....	63.4	50.2	55.6	52.7	2.81
Aberdeen.....	63.1	50.2	56.7	53.6	3.13
Leith.....	65.8	51.4	57.6	54.6	2.62
Shields.....	63.5	52.3	57.5	54.9	2.81
York.....	68.1	51.4	58.0	55.3	2.47
Loughborough.....	70.5	52.1	59.9	57.4	2.61
Ardrossan.....	64.0	53.1	57.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	55.5	2.89
Holyhead.....	64.3	55.0	58.5	56.4	2.89
Liverpool.....	65.7	54.3	58.7	55.5	2.79
Parsonstown.....	66.2	51.7	57.6	55.7	3.48
Valencia.....	65.0	54.1	59.4	57.0	4.65
Roche's Point.....	66.6	53.9	59.0	56.4	3.59
Pembroke.....	63.7	55.8	58.9	56.6	2.91
Scilly.....	64.9	57.2	61.1	59.0	2.45
Jersey.....	69.0	57.4	63.1	60.0	2.26
Hurst Castle.....	68.1	56.1	61.2	59.1	2.31
Dover.....	67.1	57.2	62.6	59.0	2.06
LONDON.....	71.8	53.7	61.4	57.8	2.20
Oxford.....	69.2	53.4	59.2	56.4	2.33
Cambridge.....	71.3	62.1	60.2	57.3	2.25
Yarmouth.....	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins. to 30.25 ins. over the southeastern parts of our Islands, the western parts of France, the Bay of Biscay and Spain.
 Lowest, 29.6 ins. and less, over the north of Scandinavia—30.0 ins. and less, in the south of France.
 Gradient moderate to slight—mainly favourable for NW winds in our Islands.
 Barometer still rising, but not quickly.

TEMPERATURE

Highest, 65° at Lisbon, 63° at Perpignan, 61° at Biarritz, 60° at Jersey and Valencia, and 59° at Hawke Point.
 Lowest, 48° at Shields, 51° at Lumbly Head and Copenhagen, 52° at Remourey, Harin, York and Oxford, 53° at Malin, ^{44°} at Killybegs, and in London.
 It is very uniformly low over Northern Europe.

WIND

Light to moderate from between W. and N. over the British Islands and Channel.
 Light SW^{ly} over Germany, S^{ly} over the Baltic.
 Very variable and light elsewhere.

WEATHER

Fair generally at present—Cloudy at several stations, clear at others—Showery at Malin Head and Spurn Head.
 Rain fell yesterday in the north and east—as well as at Paris.

SEA

Moderate at a very few exposed stations, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Slight passing showers at still probable in most places, but, as a whole, fair cold weather is indicated.

FORECASTS

For the 24 hours ending at NOON on 27th AUGUST 1889.

DISTRICTS.

FORECASTS.

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

W^{ly} and NW^{ly} winds, moderate, some showers.
 } NW^{ly} breezes, light, fair as a whole.
 } W^{ly} and NW^{ly} breezes, light, fair as a whole but local showers not improbable.

DISTRICTS.

FORECASTS

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

W^{ly} and NW^{ly} winds, moderate or light, some showers, bright intervals.

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.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.68	60	53	Sw 2	c	3	Holyhead ...	29.91	57	61	NW 5	0	4
Sumburgh Head ...	29.87	53	50	NW 5	c	4	Valencia ...						
Stornoway ...							Scilly ...						
Aberdeen ...							Jersey ...	29.98	61	57	WNW 3	c	3
Shields ...							Dungeness ...	29.87	63	56	WNW 4	bc	2
Ardrossan ...							London ...						
Malin Head ...	29.94	54	51	N 5	0	3	Yarmouth ...						
Mallaghmore ...							Rochefort ...	30.10	70	63	WNW 2	b	2
Belmullet ...	30.05	58	52	W 2	c	*							

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

The reports for yesterday morning showed that while pressure has been increasing slowly over the United Kingdom, it had given way a little over Spain and Russia. A small depression was apparently advancing towards Portugal from the Atlantic, and another, very well formed system had been developed over the Baltic Provinces. Reading varied from 30.0 ins. and more over the southwest of Ireland, the Bay of Biscay, the southern part of France and Germany, and also over central Russia to about 29.5 ins. in the new depression over the Baltic Provinces and to a rather lower value in a larger disturbance lying over the North of Norway. The wind was N. and N.W. over the British Islands, W. in France and in Norway, S.W. over Germany and Austria, S. and S.E. over the northern half of Russia. Elsewhere it varied greatly, both in force and direction. The weather was fine and quiet in the extreme S.W., S. and S.E. only; elsewhere it was varying greatly from time to time - clear in some localities, cloudy in others, with local rains. Temperature was low generally, especially over northwestern Europe. The highest individual values were 78° at Brindisi, 75° at La Coruña, 73° at Palermo, 72° at Barcelona, 71° at Cagliari, and 70° at Sanjuane. The lowest were 49° at Sumburgh Head, 50° at Stornoway, 51° at York, Loughborough and Oxford, 53° at Lani, the Helder, Paris and Munich, and below 60° over the whole of northern and northwestern Europe. At Nice the temperature was 63°, at Rome 64°, and at Naples 66°.

Showers fell in many parts of western and northwestern Europe during the day - especially at Leith and in Paris, and the weather remained very unseasonable generally.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 18TH TO THE 24TH AUGUST 1889.

The weather of the past week has been exceedingly rough, wet and unsettled. Gales of considerable violence have occurred on our southern coasts, and temperature has been everywhere low for the time of year.

Barometrical pressure has been unusually highest over Spain and the south of France, and lowest over the northern part of the United Kingdom, so that the prevailing winds (excepting in the extreme north) have been W. Several cyclonic disturbances have passed across our more western and northern districts, and in two instances these systems have been of considerable size and depth.

The first, a depression of gradually increasing intensity, first appeared off our extreme southwest coast on the night of the 18th, at which time the system was exceedingly shallow. In the course of the ensuing 48 hours it travelled first in a N.E. direction to the north of England, and finally in a N.N.E. direction past the East coast of Scotland to the Norwegian coast, where it eventually dispersed. The passage of the disturbance was attended by exceedingly heavy falls of rain in Ireland and Scotland, amounts exceeding 2 inches in the space of 24 hours being measured in many places, & by fresh to strong W. gales in several parts of England.

The second, a somewhat shallower system, appeared off the west of Ireland on the morning of the 21st, and afterwards travelled in an E.N.E. direction to the North Sea and the south of Scandinavia. Heavy rains were again experienced in many parts of the country, and strong W. gales over the Channel. In the Straits of Dover a severe gale occurred on the afternoon of the 21st.

At the close of the week some small shallow depressions were travelling eastwards across Ireland and England, and showery weather was reported generally, with thunderstorms at some of the English stations.

Temperature has been low, especially towards the close of the week, when the daily maxima were below 60° in many of the more western and northern parts of the Kingdom.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for Tuesday, 27th August, 1889.
 Issued by the Meteorological Office, 63 Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)		SHADE TEMP.		
			Dir.	Force (0 to 12.)			Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force (0 to 12.)				Max.	Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ..	29.61	53	2	0	0	29.69	+ .11	55	54	+ 1	SE	2	0	*		55	52	
	Hernösand ...	29.69	55	2	0	0	29.77	+ .12	58	53	- 1	2S	0	7	*		66	52	0.08
	Stockholm ...	29.74	63	2	0	6	29.82	+ .17	57	53	0	SW	2	6	*		64	52	0.12
	Wisby ...	29.80	54	SW	4	6	29.85	+ .12	55	54	+ 2	SEW	4	C	*		64	52	0.75
	Bodö ...	29.67	53	SW	2	0	29.76	+ .18	51	50	- 4	SW	2	7	1		65	50	0.28
	Christiansund...	29.72	54	WSW	2	C	29.84	+ .20	54	51	0	WSW	2	C	2		57	52	
	Skudesnaes ...	29.82	54	NW	4	C	29.93	+ .20	54	52	- 1	WNW	6	0	3		7	50	0.04
	Christiania Fjord (Fjorder)	29.71	58	S	3	bc	29.80	+ .16	54	53	- 1	NNE	3	0	2		59	52	
	Skagen (The Scaw)	29.73	55	W	2	6	29.77	+ .09	58	54	0	WNW	1	6	1		63	52	
	Fanö ...	29.86	52	2S	0	6	29.94	+ .15	57	54	- 2	NW	4	C	*		61	52	0.12
BRITISH ISLANDS.	Sumburgh Head	29.88	52	NW	2	C	29.90	+ .12	58	52	+ 2	SW	1	0	3		58	45	0.02
	Sornoway ...	29.94	58	W	3	bc	29.94	+ .01	54	53	+ 2	SW	2	0	3		58	50	0.02
	Wick ...	29.98	53	NW	1	bc	29.95	+ .06	57	53	+ 4	NW	1	C	1		60	49	0.03
	Nairn ...	29.97	56	W	2	6	29.97	+ .05	57	54	+ 5	2S	0	6	1		59	51	
	Aberdeen...	30.00	56	NW	1	0	30.01	+ .08	58	55	+ 4	2S	0	bc	1		61	46	0.02
	Leith ...	30.02	57	W	2	C	30.04	+ .05	58	56	+ 2	W	4	om	*		63	53	
	Shields ...	30.02	57	W	3	C	30.07	+ .12	58	55	+ 9	W	3	op	2		62	49	
	Spurn Head ...	30.05	57	NW	4	0	30.14	+ .19	56	54	+ 2	WSW	4	C	3		60	53	0.01
	York ...	30.07	56	W	2	C	30.14	+ .14	57	55	+ 5	W	2	0	*		64	47	
	Loughborough	30.12	57	WNW	3	C	30.20	+ .19	56	54	+ 3	W	3	SW	*		64	48	
GERMANY.	Ardrossan ...	30.05	56	NW	2	op	30.07	+ .06	56	55	+ 1	WSW	4	7	2		60	53	0.09
	Malin Head ...	30.07	55	W	4	od	30.07	+ .03	55	52	+ 2	WNW	4	C	3		59	52	0.13
	Mullaghmore ...	30.14	56	WSW	5	op	30.14	+ .04	55	53	0	SW	4	og	2		58	54	0.01
	Belmullet ...	30.17	56	W	4	0	30.12	- .01	57	54	+ 2	SW	4	0	*		58	54	0.01
	Donaghadee ...	30.11	58	WNW	2	C	30.14	+ .05	54	54	+ 2	WSW	2	m	1		60	51	0.06
	Barrow-in-Furness	30.08	56	NW	4	bc	30.13	+ .12	57	56	+ 5	W	3	C	*		59	52	
	Liverpool (Bidston)	30.13	55	WNW	4	bc	30.19	+ .13	56	54	0	W	3	0	4		60	54	
	Holyhead ...	30.15	57	WSW	1	C	30.20	+ .11	56	54	0	WSW	2	og	2		62	54	
	Parsonstown ...	30.19	57	SW	2	0	30.21	+ .05	54	52	+ 1	2S	0	0	*		60	52	
	Valencia ...	30.26	58	W	2	0	30.25	+ .02	58	53	- 1	SW	3	0	3		62	52	
FRANCE & NETHERLANDS.	Roche's Point...	30.25	58	WSW	2	C	30.26	+ .06	56	54	+ 3	W	2	0	2		60	47	
	Pembroke ...	30.20	57	WNW	3	bc	30.27	+ .12	57	55	+ 2	WSW	3	bc	2		58	55	
	Scilly ...	30.24	58	NW	4	C	30.29	+ .12	60	57	+ 2	WNW	1	C	1		61	53	
	Prawle Point ...	30.21	58	NW	2	C	30.30	+ .16	57	55	- 2	WNW	2	6	1		62	49	
	Jersey ...	30.22	62	WNW	3	6	30.31	+ .18	62	56	+ 2	NW	2	bc	2		63	50	
	Hurst Castle ...	30.16	60	WNW	2	bc	30.29	+ .19	58	57	+ 3	WNW	3	bc	1		65	48	
	Dungeness ...	30.09	57	NW	4	m	30.23	+ .21	54	50	- 3	WNW	3	bc	2		65	44	
	London ...	30.12	58	W	2	bc m	30.25	+ .21	55	52	+ 2	WSW	2	6W	*		62	45	
	Oxford ...	30.17	54	NW	2	C	30.26	+ .21	54	52	+ 2	WNW	1	6	*		63	45	
	Cambridge ...	30.11	58	NW	1	0	30.23	+ .22	54	51	0	WSW	1	bc	*		62	45	0.01
PENINSULA.	Yarmouth ...	30.06	57	NW	2	bc	30.16	+ .22	54	52	0	WNW	3	bc	3		57	46	0.18
	Cuxhaven ...	29.86	55	WNW	2	bc	29.98	+ .14	55	54	+ 4	NW	4	7	*		59	7	0.16
	Berlin ...	29.95	61	2S	0	0	30.02	+ .06	56	53	+ 5	WNW	4	0	*		64	7	
	Wiesbaden ...	*	*	*	*	*	30.21	+ .19	55	51	0	NW	2	C	*		64	52	0.12
	Munich ...	30.14	53	W	3	C	30.19	+ .08	50	49	- 4	W	5	7	*		61	48	0.04
	The Helder ...	30.02	56	NW	3	C	30.12	+ .25	57	54	0	NW	2	bc	3		59	55	0.04
	Brussels ...	*	*	*	*	*	30.23	+ .24	52	51	- 3	WSW	2	6	*		64	50	0.24
	Cape Gris Nez...	?	58	NW	4	0	?	?	57	54	+ 2	WNW	3	m	3		63	54	
	Paris ...	30.15	58	W	2	bc	30.28	+ .18	50	50	- 1	S	1	6	*		64	45	0.08
	Brest ...	?	60	N	3	6	?	?	55	53	- 7	2S	0	6	1		64	46	
PENINSULA.	Lorient ...	30.24	61	N	3	6	30.34		55	51		NE	1	6	2		63	52	
	Rochefort ...	30.25	65	NW	3	6	30.34	+ .16	56	53	0	NE	3	6	2		70	48	
	Belfort ...	30.08	54	NW	2	7	30.21	+ .15	51	47	0	NW	1	6	*		61	49	0.08
	Lyons ...	30.12	63	N	2	bc	30.27	+ .15	55	50	0	N	1	6	*		69	49	
	Nice ...	29.91	68	NE	2	6	30.03	+ .06	63	56	+ 3	E	1	6	1		75	55	
	Perpignan ...	30.09	71	WNW	3	0	30.23	+ .14	66	56	+ 3	NW	1	6	*		79	53	
	Biarritz ...	30.18	67	NNE	3	6	30.24	+ .12	60	55	- 1	SSW	2	6	1		72	55	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*	
	Lisbon ...	30.02	66	WNW	5	6	30.04	- .00	66	62	+ 1	NNE	2	6	2		81	45	

For Explanation of Columns, see p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on

Tuesday, 27th August.

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;

→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

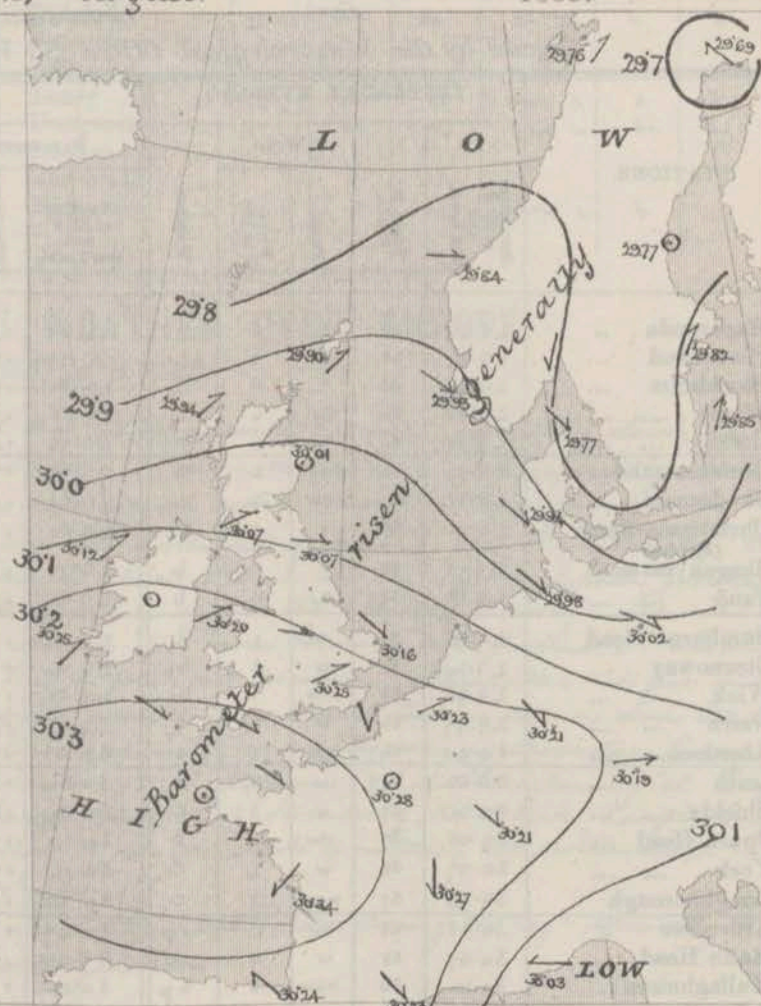
■ = Rough. ■ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.920



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

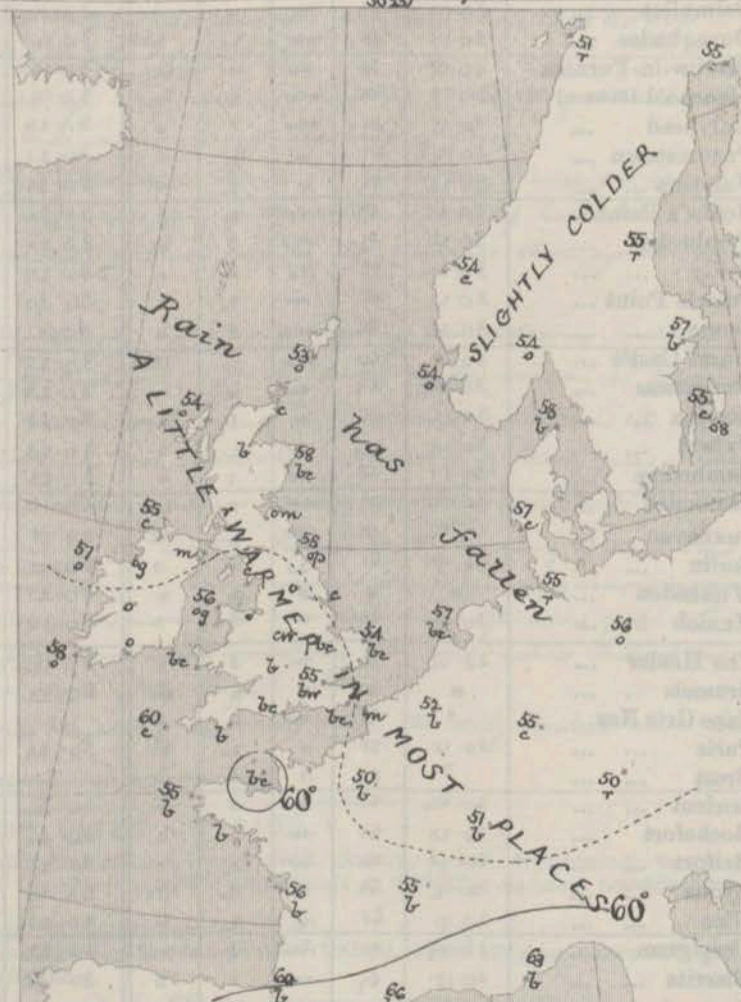
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick.....	61.1	48.3	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith.....	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.17
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	57.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	55.5	2.99
Holyhead.....	64.3	55.0	58.5	56.4	2.89
Liverpool	65.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.6	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.66
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.9	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.15
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	65.1	56.1	61.2	59.1	2.31
Dover	67.1	57.2	62.6	59.0	2.08
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.20 in. to about 30.35 in.: in an anticyclone covering the Bay of Biscay, France, the southern part of our Islands and the N. of Spain.
 Lowest, 29.9 in.: and less, to the northward of our Islands, 29.7 in.: and less, over the north of Sweden, and about 30.0 in.: over the Gulf of Genoa.
 Gradients slight generally — very slight in the southwest.
 Barometer rather unsteady in the west, rising slowly in the east.

TEMPERATURE

Highest, 66° at Lisbon and Perpignan, 63° at Aix, 62° at Jersey, 60° at Biscaya, 58° at Aberdeen, Shields, Valencia, and Huelmo Castle.
 Lowest, 50° at Munich and Paris, 51° at Belfast and also at Biscaya, 53° at Edinburgh, 54° at Donaghadee and Yarmouth.
 Its tendency is now to increase somewhat, especially at our inland stations.

WIND

Light to moderate generally — SW^{ly} in the west of Ireland, W^{ly} over the Irish Sea and Great Britain — NW^{ly} in the Channel, at Yarmouth and on the eastern shore of the North Sea — NE^{ly} over the Bay of Biscay.

WEATHER

Rainy at several of the Scandinavian and German stations.
 Dull over Great Britain and France — dull on our western coast, rainy in the northwest of Ireland.
 Rainfall yesterday was slight and confined to the northern and eastern districts.

SEA

Slight or smooth on all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fine mild weather is likely to prevail over England and the East of Scotland, but slightly showery weather in the west and northwest of our Islands.

ERRATUM.

In yesterday's Daily Weather Report under "Probable changes in system now prevalent" for showers at H. read "showers are still possible at H."

FORECASTS

For the 24 hours ending at NOON on 28th AUGUST 1889.

DISTRICTS.

FORECASTS.

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

SW^{ly} breezes, light or moderate, slight rain
 SW^{ly} breezes, light, fair, warmer than of late.

DISTRICTS.

FORECASTS

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

SW^{ly} breezes, light or moderate; cloudy, some few showers.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	29.78	60	55	W 1/4 NW 4	C	3	Holyhead ...	30.14	59	55	NW 3	O 9	2
Sumburgh Head ...	29.86	52	49	N 2	O	4	Valencia ...	30.27	61	56	W 1/4 NW 2	O	2
Stornoway ...	29.95	57	54	W 3	C	3	Scilly ...	30.23	60	57	NW 4	6	3
Aberdeen ...	29.98	57	51	W 1/4 NW 3	C	2	Jersey ...	30.20	63	55	W 1/4 NW 3	6	3
Shields ...	30.00	59	53	W 3	C	2	Dungeness ...	30.06	61	54	NW 4	C	2
Ardrossan ...	30.05	58	53	NW 3	O	2	London ...	30.09	60	54	W 1/4 NW 3	O	2
Malin Head ...	30.07	57	54	W 4	O	3	Yarmouth ...	30.04	56	54	NW 3	Cp	3
Mullaghmore ...	30.13	56	55	W 1/4 NW 5	O	4	Rocheport ...	30.24	69	61	NW 3	6	2
Belmullet ...	30.17	57	55	W 4	O	*							

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

The reports for yesterday morning showed some further increase of pressure over western, northern, and Central Europe, while slight and irregular changes had occurred elsewhere. The depression noticed over the British Provinces on Sunday had disappeared completely. Readings varied from between 30.2 ins. and 30.0 ins. over the Bay of Biscay, and the southwest of our Islands, the whole of France, the Mediterranean and South Germany, and from 30.0 ins. and more over Central Russia, to 29.6 ins. and less, in a large low-pressure lying over Lapland and the northern parts of Scandinavia. The wind was light or moderate generally. It was W^{1/2} or NW^{1/2} in our Islands, SW^{1/2} over the Netherlands and North Germany, SW^{1/2} and S^{1/2} over the Baltic and Finland. Over the Mediterranean and the Spanish Peninsula it was mainly E^{1/2}, while over Central, Eastern, and southeastern Europe it was very light and variable. The weather was cloudy and changeable over northern, eastern, and central Europe, as well as on the various shores of the North Sea, fine in the southeast, south, and west, as well as over the southwestern and southern parts of the British Islands. Temperature remained low generally; the highest morning values being 78° at Brindisi, 75° at Tunis, La Calle and Palma, 74° at Constantinople, 73° at Odessa and Algiers, 71° at Barcelona, and 70° at San Fernando, Cagliari, Sanguinaria and Nikolaioff. At Kiev and Yekaterinburg it was as low as 60°. The lowest were 49° at Uleaborg, and also at Shields and Le Mans, 51° at Sumburgh, 44° at Alesund, Berlin, Paris and Rostock, 52° at Stornoway, York, Oxford, Münster and Copenhagen, and below 60° over nearly the whole of the western, central and northern parts of Europe.

Later on the weather improved over the British Isles and France, but rain fell in many parts of Germany and over the Baltic.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for WEDNESDAY 28TH AUGST 1889.

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

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sec. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.		Min.	
SCANDINAVIA.	Haparanda ..	29.81	53	SE	2	bc	29.83	+19	54	54	-1	X	0	0	*	59	50	—	
	Hernösand ...	29.86	53	SE	0	c	29.95	+18	53	51	0	X	0	0	*	66	50	0.12	
	Stockholm ...	29.93	53	SE	0	c	29.99	+17	56	53	-1	SE	2	0	*	66	50	—	
	Wisby ...	29.93	53	SE	4	c	30.00	+15	57	53	+2	SE	4	bc	*	63	50	—	
	Bodö ...	29.83	51	SE	0	c	29.89	+13	52	51	+1	SE	2	bc	1	53	50	0.16	
	Christiansund...	29.95	53	SE	3	bc	29.84	0.0	52	50	-2	E	4	0	2	53	46	—	
	Skudesnaes ...	30.01	51	NW	2	bc	29.87	-04	54	51	0	SE	6	7	4	58	46	0.16	
	Christiania Fjord (Færd)	29.89	59	SE	0	c	29.94	+14	54	54	0	NW	3	m	2	61	54	—	
	Skagen (The Scaw)	29.94	53	W	1	c	29.97	+20	58	54	0	W	3	0	2	63	52	—	
	Fanö ...	30.07	52	WNW	3	c	30.06	+12	59	57	+2	WNW	2	c	*	61	?	—	
BRITISH ISLANDS.	Sumburgh Head	29.90	54	SE	1	0	29.91	-39	53	53	0	S	6	7	5	59	50	0.46	
	Stornoway ..	29.81	54	SE	6	7u	29.94	-40	59	58	+5	SE	5	0	4	59	53	0.70	
	Wick ...	29.90	56	W	2	0	29.94	-41	58	56	+1	SE	4	0	3	60	52	0.65	
	Nairn ...	29.90	56	W	2	c	29.98	-39	60	56	+3	SE	4	c	3	60	52	0.13	
	Aberdeen...	29.97	57	SE	2	0p	29.71	-30	53	53	-3	SE	3	cq	3	61	53	0.45	
	Leith ...	30.03	57	W	3	7	29.79	-25	59	55	+1	W	5	0p	*	59	54	0.13	
	Shields ...	30.08	58	WNW	3	7	29.92	-15	53	52	-3	SE	3	0	2	60	53	0.07	
	Spurn Head ...	30.16	58	WNW	3	0	30.07	-07	58	54	+2	SE	4	c	4	61	53	—	
	York ...	30.17	57	W	1	0	30.06	-08	56	52	-1	SE	3	0	*	62	50	0.05	
	Loughborough	30.21	60	WNW	1	0	30.14	-06	56	54	0	WNW	4	0	*	60	53	—	
GERMANY.	Ardrossan ...	30.04	56	S	3	7	29.84	-23	56	53	0	SE	5	0	4	60	54	0.15	
	Malin Head ...	29.96	57	SE	5	0	29.75	-32	57	57	+2	S	6	0p	4	58	53	0.05	
	Mullaghmore ...	30.02	59	SE	5	0	29.85	-29	58	57	+3	SE	6	0m	4	60	53	—	
	Belmullet ...	30.00	59	SE	6	0	29.85	-27	59	58	+2	SE	8	0p	*	60	53	0.13	
	Donaghadee ...	30.09	58	WNW	3	c	29.92	-22	58	53	+4	WNW	5	c	3	60	53	—	
	Barrow-in-Furness	30.13	57	SE	4	0	30.03	-10	57	54	0	SE	7	0	*	53	53	—	
	Liverpool (Bidston)	30.18	57	W	1	0	30.08	-11	59	53	+3	SE	3	bc	4	59	53	—	
	Holyhead ...	30.16	57	SE	4	0g	30.06	-14	58	54	+2	SE	6	cq	5	59	53	—	
	Parsonstown ...	30.12	59	SE	2	c	30.00	-21	58	54	+4	SE	2	c	*	61	51	—	
	Valencia ...	30.16	59	SE	5	0	30.06	-19	58	57	0	SE	6	0m	5	60	57	—	
FRANCE & NETHERLANDS.	Roche's Point...	30.22	58	WNW	4	c	30.12	-14	53	56	+3	WNW	5	0	4	60	52	—	
	Pembroke ...	30.23	57	WNW	4	c	30.17	-10	58	56	+1	WNW	6	0	5	60	56	—	
	Seilly ...	30.27	60	SE	3	c	30.21	-08	60	56	0	SE	3	0	3	64	54	—	
	Prawle Point ...	30.31	57	W	3	bc	30.25	-05	58	53	+1	WNW	3	bc	2	62	52	—	
	Jersey ...	30.32	64	WNW	3	c	30.29	-02	63	59	+1	SE	2	0m	2	65	47	—	
	Hurst Castle ...	30.29	60	W	3	c	30.27	-02	60	59	+2	WNW	4	c	1	67	53	—	
	Dungeness ...	30.24	62	W	4	bc	30.22	-01	62	57	+8	WNW	5	bc	3	65	52	—	
	London ...	30.24	64	WNW	2	bc	30.22	-03	58	53	+3	SE	2	bc	*	67	50	—	
	Oxford ...	30.26	56	W	2	c	30.22	-04	56	52	+2	SE	3	bc	*	64	49	—	
	Cambridge ...	30.22	62	SE	1	0	30.19	-04	58	54	+4	SE	3	bc	*	66	47	—	
PENINSULA.	Yarmouth ...	30.21	62	NW	2	c	30.18	+02	58	54	+4	WNW	4	c	3	64	52	0.01	
	Cuxhaven ...	30.09	59	W	3	c	30.14	+16	58	57	+3	SE	1	7	*	61	?	0.12	
	Berlin ...	30.12	53	WNW	3	c	30.23	+21	54	51	-2	WNW	2	c	*	64	48	—	
	Wiesbaden ...	*	*	*	*	*	30.23	+12	54	51	-1	X	0	0	*	64	52	—	
	Munich ...	30.33	48	W	4	7	30.37	+18	49	48	-1	W	4	bc	*	53	48	0.47	
	The Helder ...	30.18	57	WNW	2	7	30.17	+05	60	57	+3	WNW	2	c	3	61	57	0.12	
	Brussels ...	*	*	*	*	*	30.30	+07	57	53	+5	WNW	2	0	*	64	?	—	
	Cape Gris Nez...	?	62	SE	3	c	?	?	60	57	+3	SE	4	c	4	63	50	—	
	Paris ...	30.30	59	SE	1	c	30.34	+06	50	49	0	X	0	c	*	?	44	—	
	Brest ...	?	60	N	2	c	?	?	58	57	+3	SE	1	c	1	64	50	—	

WEATHER CHARTS

for 8 a.m. on

Wednesday, 28th August.

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; →→ = forces 8 to 10;
→→ = forces 5 to 7; →→ = forces 1 to 4.
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

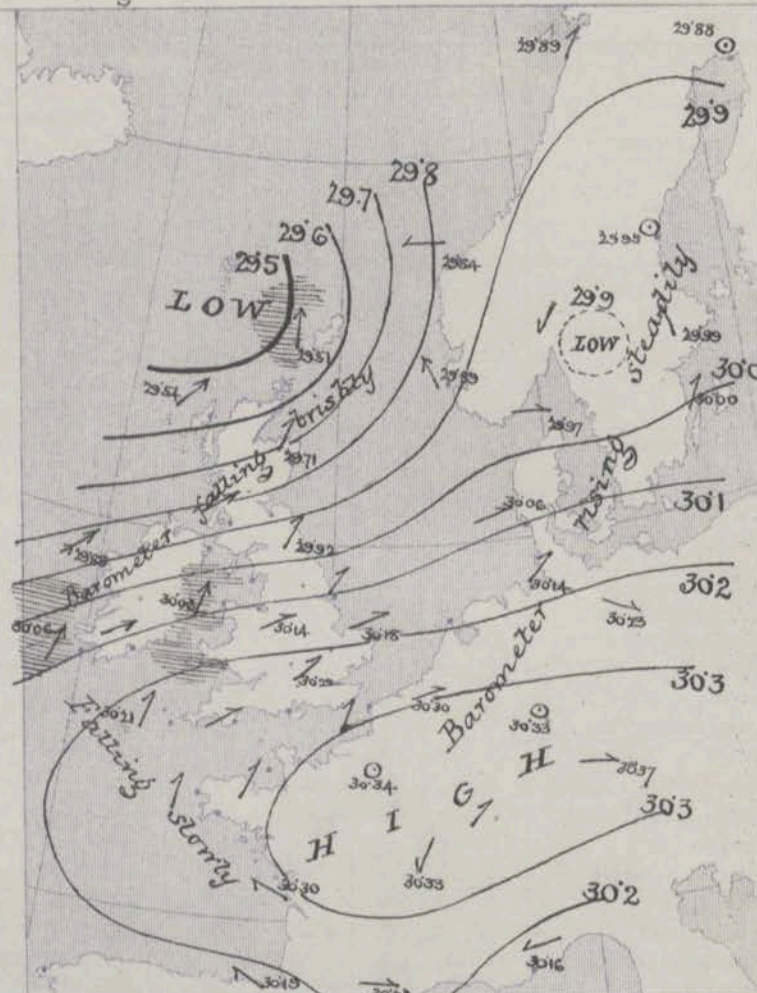
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Silly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

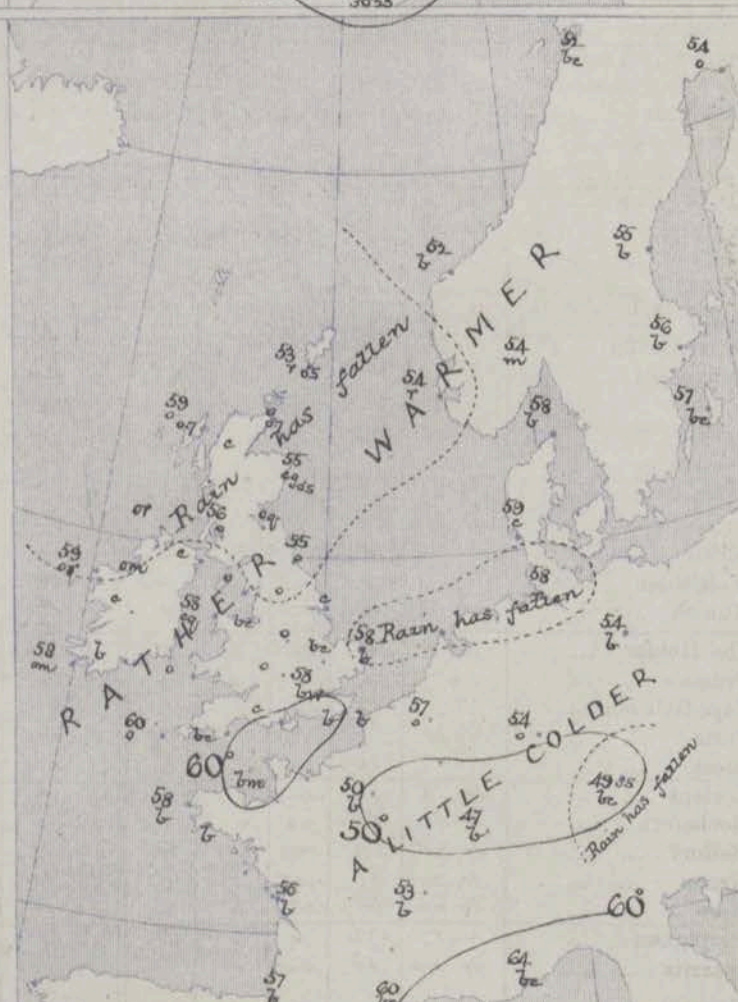
WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL. (For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway	58.5	49.0	55.2	53.3	3.57
Wick	61.1	48.5	55.2	53.2	2.35
Nairn	63.4	50.2	55.6	52.7	2.81
Aberdeen	63.1	50.2	56.7	53.6	3.13
Leith	65.8	51.4	57.6	54.6	2.62
Shields	63.5	52.3	57.5	54.9	2.81
York	68.1	51.4	58.0	55.3	2.47
Loughborough	70.5	52.1	59.9	57.4	2.61
Ardrossan	64.0	53.1	67.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	55.5	2.99
Holyhead	64.3	55.0	58.5	56.4	2.89
Liverpool	66.7	54.3	58.7	55.5	2.79
Parsonstown	66.2	51.7	57.0	55.7	3.48
Valencia	65.0	54.1	59.4	57.0	4.65
Roche's Point	66.6	53.9	59.0	56.4	3.59
Pembroke	63.7	55.8	58.0	56.6	2.91
Scilly	64.9	57.2	61.1	59.0	2.45
Jersey	69.0	57.4	63.1	60.0	2.26
Hurst Castle	68.1	56.1	61.2	59.1	2.81
Dover	67.1	57.2	62.6	60.0	2.06
LONDON	71.8	53.7	61.4	57.8	2.20
Oxford	69.2	53.4	59.2	56.4	2.33
Cambridge	71.3	52.1	60.2	57.3	2.25
Yarmouth	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1866-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.20 ins. to about 30.55 ins. in an anticyclone lying over Germany, France, the Bay of Biscay, and south of England.
Lowest, 29.5 ins. and less, in a depression, the centre of which lies off our extreme northern coast and is moving northwards.
Gradients very slight in the south, rather steep in the west and north.
Barometer falling in our islands, fast in the northwest, slightly in the southeast, rising slightly in France, Germany, and Denmark.

TEMPERATURE

Highest, 64° at Nice, 63° at Lisbon and Jersey, 62° at (Lunenburg), and 60° at Perpignan, Scilly, Hurst Castle and Kinn.
Lowest, 47° at Belfast, 49° at Munich, 50° at Paris, 52° at Rost and Christiansund.
It is rising over our islands generally — but has fallen (apparently temporarily) over France and South Germany during the night.

WIND

Calm over Central France. SE^{ly}, moderate, over the Bay of Biscay.
SW^{ly} throughout our islands — moderate in the east and south — strong and squally in the west and northwest, a gale at Balmuccia. It blew a gale at Stromway also during the night.

WEATHER

Fair over England, France, North Germany and the Baltic.
Dull and squally over the western and northern parts of our area, with rain in some places.
The rainfall has been heavy in the Hebrides, Shetlands and north of Scotland, and considerable at Munich.

SEA

Rather rough on our western and northwestern coasts generally, slight in the south and east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Rough unsettled weather is still probable in the north and west, but the changes are not at present indicative of any serious gale in those regions. In the east and south fair weather is at present likely.

FORECASTS

For the 24 hours ending at NOON on 29th AUGUST 1889.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S ^{ly} and SW ^{ly} winds, strong, squally, rain at times.
1	SCOTLAND EAST	SW ^{ly} breezes, moderate to fresh; fair to unsettled and perhaps rainy.
2	ENGLAND N.E.	
3	ENGLAND EAST	SW ^{ly} breezes, moderate to fresh; fair to unsettled and perhaps rainy.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS

6	SCOTLAND WEST	S ^{ly} and SW ^{ly} winds, strong; squally, rain at times.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
0	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.	Dry.	Wet.	Wind.	Wet.	Sea.		Bar.	Dry.	Wet.	Wind.	Wet.	Sea.
Skudesnes ...	29.99	58	54	WNW 6	bc	3	Holyhead ...	30.20	58	54	SW 3	o q	3
Sumburgh Head ...	29.91	56	54	W 2	c	3	Valencia ...	30.21	59	55	S 5	o	4
Stornoway ...	29.91	57	55	SW 3	o	3	Scilly ...	30.30	63	58	SW 2	c	3
Aberdeen ...	30.00	62	57	SW 1	o	1	Jersey ...	30.35	64	55	WNW 3	o	3
Shields ...	30.39	58	56	WNW 3	T	2	Dungeness ...	30.24	64	57	WNW 4	bc	2
Ardrossan ...	30.08	56	53	WNW 2	o f	2	London ...	30.24	67	59	W 2	o	*
Malin Head ...	30.02	57	53	SW 4	o g	3	Yarmouth ...	30.19	62	59	WNW 1	c	2
Mullaghmore ...	30.29	59	54	SW 5	o g	4	Rochefort ...	30.35	69	59	NNW 2	bc	2
Belmullet ...	30.07	60	54	SW 5	o	*							

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

The reports for yesterday morning showed that pressure was highest (30.20 ins. to about 30.35 ins.) in an anticyclone lying over the Bay of Biscay, France, and the southern part of our Islands — that it exceeded 30.0 ins. over Central Russia also, and that over the whole of Central and Eastern Europe it ranged between 29.9 ins. and 30.1 ins. To the northward of these regions readings decreased to about 29.8 ins. over the Black Sea. Gradients were slight. The wind was light to moderate in most places; SW to W in our Islands, NW over the North Sea, the English Channel and France, NE over the Bay of Biscay, the Spanish Peninsula and on the northern shores of the Mediterranean. In the Baltic and Northern Russia it was S to SW. The weather was fine over the greater part of Western Europe, (dull in Ireland), dull and unsettled over the northern and central countries, with rain in several places. Over Spain and the Mediterranean it was fine and bright. Temperature showed some tendency to recover over the British Isles but was low generally on the Continent. The highest morning values were 78° at La Calle, 77° at Constantinople, Brindisi, and Malta, 73° at Palermo and Cagliari, 72° at Algiers and Oran; on the southern shores of France it was below 70° and at Toulon was only 59°, at Florence 58°. The lowest were 47° at Le Mans, 48° at Limoges, 50° at Paris and Munich, 51° at Athens, 52° at Moscow, 53° at Vienna, St. Petersburg, Archangel and Sumburgh H.

Later on a large depression began to approach our western and northwestern coasts from the Atlantic, and the wind at our western and northwestern stations increased in force, with unsettled weather, and in places rain.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for *Thursday, 29th August, 1889.*
Issued by the Meteorological Office, 63 Victoria Street, London. R.H. SCOTT, Secretary.

STATIONS.		† YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.		
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.		Min.	
SCANDINAVIA.	Haparanda ..	29.90	SE	2	0	29.89	+ .01	54	53	0	SW	2	0	*	59	50	-		
	Hernösand ...	29.91	SE	2	1	29.85	- .10	55	53	0	SSW	4	0	*	66	48	0.04		
	Stockholm ...	30.02	SE	0	0	29.99	- .00	58	53	+ 2	S	2	0	*	68	46	-		
	Wisby ...	30.07	SE	2	0	30.05	+ .05	59	57	+ 2	SSW	4	0	*	63	50	-		
	Bodö ...	29.78	NE	1	0	29.65	- .24	57	53	+ 5	E	2	0	1	55	48	-		
	Christiansund...	29.60	SE	0	0	29.69	- .15	55	54	+ 3	SE	0	0	1	63	?	0.04		
	Skudesnaes ...	29.80	S	4	1	29.88	- .01	58	57	+ 4	S	5	0	1	?	?	0.91		
	Christiania Fjord (Fjord)	29.88	S	5	1	29.89	- .05	59	58	+ 5	WSW	5	0	3	59	?	0.16		
	Skagen (The Scaw)	29.91	WSW	3	0	29.96	- .01	59	58	+ 1	W	2	0	1	61	54	0.28		
	Fanö ...	30.02	WSW	4	1	30.06	- .00	62	60	+ 3	W	4	0	*	61	55	0.71		
BRITISH ISLANDS.	Sumburgh Head	29.89	WSW	4	0	29.77	+ .26	55	52	+ 2	WSW	3	0	4	59	51	0.08		
	Stornoway ...	29.68	W	5	0	29.84	+ .30	57	56	- 2	SW	4	0	4	64	52	0.02		
	Wick ...	29.71	NW	1	0	29.87	+ .33	56	52	- 2	SW	2	0	1	70	53	-		
	Nairn ...	29.74	SW	2	0	29.89	+ .31	55	53	- 5	SW	1	0	1	70	53	0.09		
	Aberdeen...	29.77	SW	3	0	29.93	+ .22	58	56	+ 3	WSW	1	0	2	69	55	0.02		
	Leith ...	29.87	WSW	4	0	29.93	+ .14	63	59	+ 4	W	5	0	*	66	58	0.04		
	Shields ...	29.92	SW	5	0	29.97	+ .05	59	58	+ 4	SSW	3	0	2	63	54	-		
	Spurn Head ...	30.04	SW	5	0	30.10	+ .03	56	54	- 2	SW	5	0	4	66	51	-		
	York ...	30.04	W	2	0	30.10	+ .04	56	53	0	SSW	1	0	*	68	51	-		
	Loughborough	30.12	W	3	0	30.17	+ .03	54	54	+ 1	WSW	3	0	*	68	48	-		
GERMANY.	Ardrossan ...	29.88	SSW	4	1	29.96	+ .12	54	53	- 2	W	1	0	1	61	54	0.20		
	Malin Head ...	29.83	SW	3	0	29.96	+ .31	58	58	+ 1	S	1	0	1	60	57	0.64		
	Mullaghmore ...	29.88	SSW	5	1	29.97	+ .12	53	53	- 5	WSW	4	0	2	61	53	0.82		
	Belmullet ...	29.87	SW	6	0	29.99	+ .14	53	52	- 6	SSW	2	0	*	61	52	1.52		
	Donaghadee ...	29.94	SW	3	0	29.99	+ .04	61	59	+ 3	SW	4	0	2	64	57	-		
	Barrow-in-Furness	30.03	SW	7	0	30.05	+ .02	58	57	+ 1	SW	7	0	*	61	57	-		
	Liverpool (Bidston)	30.06	SW	3	0	30.12	+ .04	59	54	0	WSW	2	0	3	66	55	-		
	Holyhead ...	30.06	SSW	6	0	30.09	+ .03	58	55	0	SSW	4	0	4	63	56	-		
	Parsonstown ...	30.01	SW	2	0	30.04	+ .04	58	55	0	SW	2	0	*	68	57	-		
	Valencia ...	30.03	SSW	7	0	30.05	- .01	58	57	0	SSW	6	0	5	60	56	0.02		
FRANCE & NETHERLANDS.	Roche's Point...	30.09	WSW	5	0	30.10	- .02	58	55	- 1	WSW	4	0	4	61	55	-		
	Pembroke ...	30.16	SW	5	0	30.16	- .01	58	57	0	SSW	4	0	3	60	58	-		
	Seilly ...	30.18	SSW	4	0	30.14	- .04	61	59	+ 1	ESE	1	0	5	66	53	-		
	Prawle Point ...	30.21	WSW	1	0	30.20	- .05	56	58	?	ESE	2	0	1	62	53	-		
	Jersey ...	30.23	SSW	2	0	30.21	- .08	65	60	+ 2	SE	0	0	0	70	51	-		
	Hurst Castle ...	30.22	WSW	4	0	30.23	- .04	58	57	- 2	NNE	1	0	1	67	51	-		
	Dungeness ...	30.19	W	5	0	30.22	- .00	64	60	+ 2	WSW	3	0	2	66	59	-		
	London ...	30.17	SSW	3	0	30.21	- .01	59	56	+ 1	WSW	1	0	*	71	45	-		
	Oxford ...	30.18	SW	2	0	30.22	- .00	52	51	- 4	SW	2	0	*	67	45	-		
	Cambridge ...	30.14	SW	1	0	30.22	+ .03	53	52	- 5	SW	2	0	*	69	45	-		
PENINSULA.	Yarmouth ...	30.12	W	3	0	30.18	- .00	58	55	0	WSW	3	0	2	67	50	-		
	Cuxhaven ...	30.14	WSW	3	0	30.14	- .00	61	60	+ 3	WSW	3	0	*	62	?	0.26		
	Berlin ...	30.23	SE	0	0	30.22	- .01	57	56	+ 3	SW	2	0	*	66	?	0.08		
	Wiesbaden ...	*	*	*	*	30.32	- .01	53	52	- 1	SE	0	0	*	66	48	-		
	Munich ...	30.38	SE	2	0	30.38	+ .01	57	53	+ 8	S	1	0	*	61	48	-		
	The Helder ...	30.14	SW	2	0	30.17	- .00	61	59	+ 1	WSW	2	0	3	63	61	-		
	Brussels ...	*	*	*	*	30.24	- .03	60	56	+ 3	SSW	3	0	*	68	55	-		
	Cape Gris Nez...	?	SW	4	0	?	?	60	57	0	SW	2	0	4	64	?	-		
	Paris ...	30.26	S	1	0	30.28	- .06	54	52	+ 4	SE	0	0	*	72	48	-		
	Brest ...	?	SE	0	0	?	?	60	57	+ 2	ESE	3	0	2	70	48	-		

WEATHER CHARTS

for 8 a.m. on

Thursday, 29th August,

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;

→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

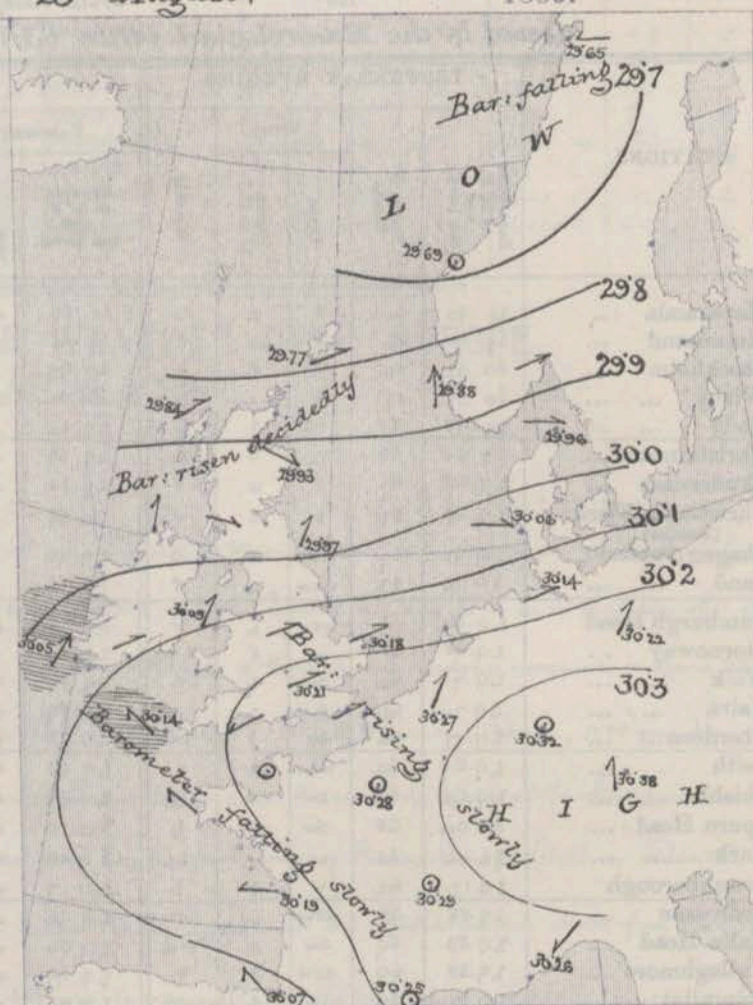
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.860
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Scilly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



GENERAL SITUATION AT 8 A.M.

PRESSURE	Highest, 30.20 in.: to nearly 30.40 in.: over Germany, France, and the south of England. Lowest, 30.00 in.: and less, over the northwest of Spain — 29.7 in.: and less, in the northwest of Norway. Gradients slight, especially in the south. Barometer rising except over the Bay of Biscay — met in the north of our islands.
TEMPERATURE	Highest, 69° at Lisbon, 65° at Biarritz and Jersey, 64° at Nice, 63° at Seville, and 62° at Genoa. Lowest, 53° at Wiesbaden, 54° at Belfort and Paris, 55° at Edinburgh H ^{ts} and Naïro. It rose to between 60° and 71° yesterday afternoon over the inland parts of Great Britain.
WIND	SE ^{ly} , moderate, over the Bay of Biscay — S ^{ly} , moderate to strong, in Ireland. SW ^{ly} to W ^{ly} in the northern parts of Great Britain — a gale at Harrow in Farnes, moderate to light elsewhere. Variable airs are reported over the Channel, France and Germany.
WEATHER	Cloudy or overcast in the west and north, with rain in the northwest of Ireland, where the fall has been large. Fine over England, France and Germany — foggy in the western part of the Channel. The general tendency is towards an improvement in the weather even in the west.
SEA	Rather rough off our extreme southeastern coast, moderate in the northwest, north and northeast, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fine weather seems likely to continue over England, but with haze in several places.

FORECASTS

For the 24 hours ending at NOON on 30th AUG: 1889.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS
0 SCOTLAND NORTH	SW ^{ly} breezes, light to moderate, fair as a whole	6 SCOTLAND WEST	Same as N ^o 0 and 1.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	SW ^{ly} and SE ^{ly} breezes, light; fair.	8 ENGLAND S.W.	Same as N ^o 5.
3 ENGLAND EAST		9 IRELAND NORTH	S ^{ly} and SE ^{ly} breezes, moderate, dull and misty to fair.
4 MIDLAND COUNTIES		0 IRELAND SOUTH	
5 ENGLAND SOUTH	SE ^{ly} and E ^{ly} breezes, moderate, fine, hazy.	WARNINGS	The SOUTH CONE which was hoisted in districts 6, 7, 9, and 10 has been lowered again this morning.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnæsa ...	29.80	55	54	SSW 8	0	5	Holyhead ...	30.08	62	57	SSW 6	6	6
Sumburgh Head ...	29.50	45	58	W 4	0	5	Valencia ...	30.05	60	58	S 6	om	5
Stornoway ...	29.65	62	60	W 4	C	3	Scilly ...	30.21	65	61	S 4	6	3
Aberdeen ...	29.73	66	60	SSW 4	C	3	Jersey ...	30.27	69	62	S 2	6	2
Shields ...	29.93	62	59	W 5	C	2	Dungeness ...	30.22	65	60	W 5	6c	3
Ardrossan ...	29.88	58	56	SSW 4	0	4	London ...	30.17	69	60	SSW 4	6c	*
Malin Head ...	29.82	60	59	SSW 4	0	4	Yarmouth ...	30.14	65	58	W 4	6	3
Mullaghmore ...	29.89	61	60	SW 5	0.2	4	Rochefort ...	30.26	80	75	ENE 3	6	2
Belmullet ...	29.88	59	59	W 5	0.1	*							

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

The reports for yesterday morning showed that pressure was highest (30.20 in. to about 30.35 in.) in an anticyclone covering Germany, France, and the south of our Islands, whence a ridge stretched northwards over the Baltic, ~~and~~ Western Russia, and Finland to the Baltic Sea; it was lowest in a well formed depression, the centre of which lay off our northern coast, and was rather low over the Black Sea also. SW^{ly} and S^{ly} winds prevailed over our Islands and their neighbourhood, and was strong to a gale in force on our western and northwestern coast; over Central Europe there was an anticyclonic circulation of light breezes, while in Russia the wind was light from N., and over the Mediterranean and Spain from NE. Weather was very fine over Southwestern, Southern, and Western Europe, and also over the greater part of England; dull and squally in the west and north of our Islands, with rain in several places. Over Russia and Southeastern Europe it was dull - foggy in some places, raining in others. Temperature was lowest over France and Germany, but was rising in the British Isles. The highest morning values were 77° at Constantinople, 75° at Brindisi and Malta, 73° at Nemours, 72° at Calcutta, 71° at Barcelona and Corunna, and 70° at Palermo and Cagliari, 67° at Bighorn, St. Quier, Kiel, and Khar'kov, 63° at Lisbon and Jersey. The lowest were 47° at Belfort, 45° at Munich, 50° at Le Mans and Paris, 51° at Breslau and Warsaw, 51° at Archangel, Rodeo and Christiansund as well as at Prague.

The anticyclone over France and Germany moved eastwards during the day, while the depression off our northern coast moved northwards. The rainfall at Belmullet was heavy, but fine weather prevailed over England, where the thermometer rose to 70° and more at the inland stations.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for *Friday, 30th August, 1889.*
Issued by the Meteorological Office, 63 Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		+ YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.80	SW	2	0	29.73	- .16	54	50	0	NW	2	0	0	55	50	0.16		
	Hernösand ...	29.85	E	2	0	29.96	+ .11	53	50	- 2	SEW	2	0	0	63	?	0.12		
	Stockholm ...	29.99	SEW	2	0	30.03	+ .04	59	58	+ 1	WSEW	4	0	0	66	52	-		
	Wisby ...	30.09	SW	4	0	30.10	+ .05	62	60	+ 3	WSEW	6	0	0	63	54	-		
	Bodö ...	29.68	SW	4	0	29.70	+ .05	49	45	- 8	SEE	2	0	1	57	48	0.28		
	Christiansund ...	29.86	WSEW	5	0	29.87	+ .17	54	48	+ 2	WSEW	5	0	0	57	50	0.08		
	Skudesnaes ...	30.04	SE	0	0	30.06	+ .18	54	53	- .11	ESE	2	0	0	59	52	0.16		
	Christiania Fjord (Farder) ...	29.92	WSEW	6	0	30.05	+ .16	59	58	0	SE	0	0	0	63	57	-		
	Skingen (The Bow) ...	30.04	W	3	0	30.09	+ .13	60	57	+ 1	W	2	0	1	64	53	-		
	Fanö ...	30.15	W	4	0	30.17	+ .11	60	58	- 2	W	2	0	0	64	59	-		
BRITISH ISLANDS.	Sumburgh Head ...	29.90	WSEW	3	0	29.93	+ .16	55	52	0	WSEW	3	0	0	59	50	-		
	Stornoway ...	29.93	W	4	0	30.00	+ .16	55	55	- 2	SW	4	0	0	62	46	0.02		
	Wick ...	29.98	WSEW	2	0	30.01	+ .14	56	51	0	WSEW	3	0	0	64	48	-		
	Nairn ...	29.97	SW	1	0	30.05	+ .16	56	52	0	SW	1	0	0	64	47	-		
	Aberdeen ...	29.99	NE	1	0	30.07	+ .14	58	53	0	W	1	0	0	63	55	0.03		
	Leith ...	30.02	W	2	0	30.07	+ .14	56	55	- 1	W	2	0	0	63	55	0.11		
	Shields ...	30.06	SEW	2	0	30.12	+ .02	60	54	+ 4	SE	1	0	0	70	55	-		
	Spurn Head ...	30.10	SE	1	0	30.14	+ .04	60	54	- 4	W	1	0	0	70	45	-		
	York ...	30.12	W	1	0	30.16	- .01	55	54	- 2	SE	0	0	0	75	46	-		
	Loughborough ...	30.13	W	1	0	30.16	- .01	55	54	- 2	SE	0	0	0	75	46	-		
GERMANY.	Ardrossan ...	30.01	SW	1	0	30.09	+ .13	56	55	+ 2	NW	1	0	0	60	53	0.32		
	Malin Head ...	30.02	SE	1	0	30.10	+ .14	54	52	- .11	NW	1	0	0	58	53	0.10		
	Mullaghmore ...	30.03	SE	0	0	30.12	+ .15	57	56	+ .11	SE	0	0	0	59	53	0.41		
	Belmullet ...	30.05	NE	2	0	30.14	+ .15	55	54	+ 2	W	1	0	0	56	49	0.16		
	Donaghadee ...	30.05	SW	2	0	30.10	+ .11	55	55	- 6	NE	2	0	0	65	55	0.11		
	Barrow-in-Furness ...	30.00	SW	4	0	30.10	+ .05	55	54	- 3	NE	2	0	0	62	53	0.02		
	Liverpool (Bilston) ...	30.12	WSEW	1	0	30.13	+ .01	62	57	+ 3	SE	1	0	0	68	51	-		
	Holyhead ...	30.10	SEW	4	0	30.11	+ .02	60	58	+ 2	SE	1	0	0	64	52	-		
	Parsonstown ...	30.09	SE	0	0	30.12	+ .08	57	55	- 1	SE	0	0	0	63	54	-		
	Valencia ...	30.09	SE	5	0	30.13	+ .08	58	57	0	ESE	2	0	0	60	56	0.03		
FRANCE & NETHERLANDS.	Roche's Point ...	30.11	SE	2	0	30.14	+ .04	58	56	0	NW	1	0	0	62	53	-		
	Pembroke ...	30.14	ESE	1	0	30.13	- .03	60	60	+ 2	SE	1	0	0	61	56	-		
	Scilly ...	30.10	ESE	4	0	30.09	- .05	64	63	+ 3	SSW	1	0	0	65	57	-		
	Prawle Point ...	30.16	ESE	1	0	30.14	- .06	66	61	+ 8	NE	1	0	0	69	55	-		
	Jersey ...	30.14	SE	1	0	30.17	- .04	68	63	+ 3	SE	0	0	0	77	52	-		
	Hurst Castle ...	30.16	ESE	2	0	30.16	- .07	64	61	+ 6	ESE	2	0	0	70	52	-		
	Dungeness ...	30.17	W	1	0	30.15	- .07	66	63	+ 2	SE	1	0	0	69	59	-		
	London ...	30.16	SSW	2	0	30.15	- .06	60	58	+ 1	SE	0	0	0	77	49	-		
	Oxford ...	30.17	SW	1	0	30.17	- .05	56	53	+ 4	SE	0	0	0	75	45	-		
	Cambridge ...	30.15	SE	1	0	30.17	- .05	58	57	+ 5	SE	1	0	0	77	46	-		
PENINSULA.	Yarmouth ...	30.17	SSW	2	0	30.16	- .02	62	60	+ 4	SE	0	0	0	73	56	-		
	Cuxhaven ...	30.17	W	1	0	30.22	+ .08	55	54	- 6	SW	1	0	0	65	54	-		
	Berlin ...	30.24	SW	1	0	30.25	+ .03	62	60	+ 5	WSEW	1	0	0	68	55	0.04		
	Wiesbaden ...	30.24	SE	1	0	30.27	+ .05	57	55	+ 4	SE	0	0	0	73	52	-		
	Munich ...	30.35	SE	0	0	30.35	- .03	58	56	+ 1	E	2	0	0	68	48	-		
	The Helder ...	30.21	SW	1	0	30.19	+ .02	59	58	- 2	SE	1	0	0	66	52	-		
	Brussels ...	30.22	SE	1	0	30.22	- .05	64	59	+ 4	SE	1	0	0	74	56	-		
	Cape Gris Nez ...	30.21	SE	0	0	30.21	- .07	67	60	+ 7	SE	1	0	0	73	59	-		
	Paris ...	30.21	E	1	0	30.21	- .07	56	54	+ 2	ESE	1	0	0	70	50	-		
	Brest ...	30.21	SE	0	0	30.21	- .07	63	58	+ 3	E	1	0	0	77	50	-		
FRANCE & NETHERLANDS.	Lorient ...	30.14	SE	0	0	30.15	- .02	60	57	+ 2	SE	2	0	0	77	55	-		
	Rochefort ...	30.15	ESE	3	0	30.19	- .04	64	61	+ 6	SE	3	0	0	71	50	-		
	Belfort ...	30.21	E	1	0	30.22	- .05	55	50	+ 1	E	1	0	0	67	47	-		
	Lyons ...	30.18	ESE	1	0	30.25	- .04	59	54	+ 2	SE	1	0	0	74	55	-		
	Nice ...	30.22	SW	2	0	30.20	- .06	67	59	+ 3	E	1	0	0	75	50	-		
	Perpignan ...	30.20	E	3	0	30.23	- .02	65	64	+ 8	SE	3	0	0	74	?	-		
	Biarritz ...	30.08	ESE	1	0	30.10	+ .03	74	66	+ 9	ESE	3	0	0	91	?	-		
	Corunna ...	30.05	WSEW	4	0	30.08	+ .06	68	66	- 1	ESE	2	0	0	82	66	-		
	Lisbon ...	30.05	WSEW	4	0	30.08	+ .06	68	66	- 1	ESE	2	0	0	82	66	-		
	Lisbon ...	30.05	WSEW	4	0	30.08	+ .06	68	66	- 1	ESE	2	0	0	82	66	-		

WEATHER CHARTS

for 8 a.m. on

Friday, 30th August.

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;

→ = forces 5 to 7; → = forces 1 to 4;

→ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

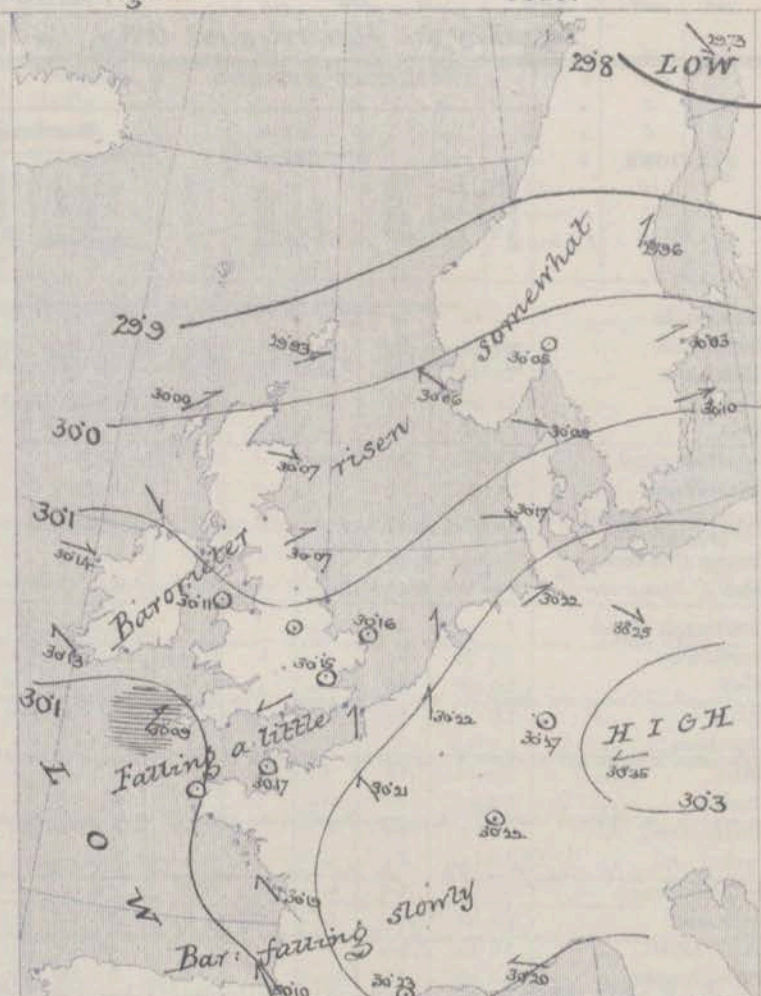
→ = Rough. → = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.875
York	29.907
Loughborough	29.925
Ardrossan	29.960
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Sally	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

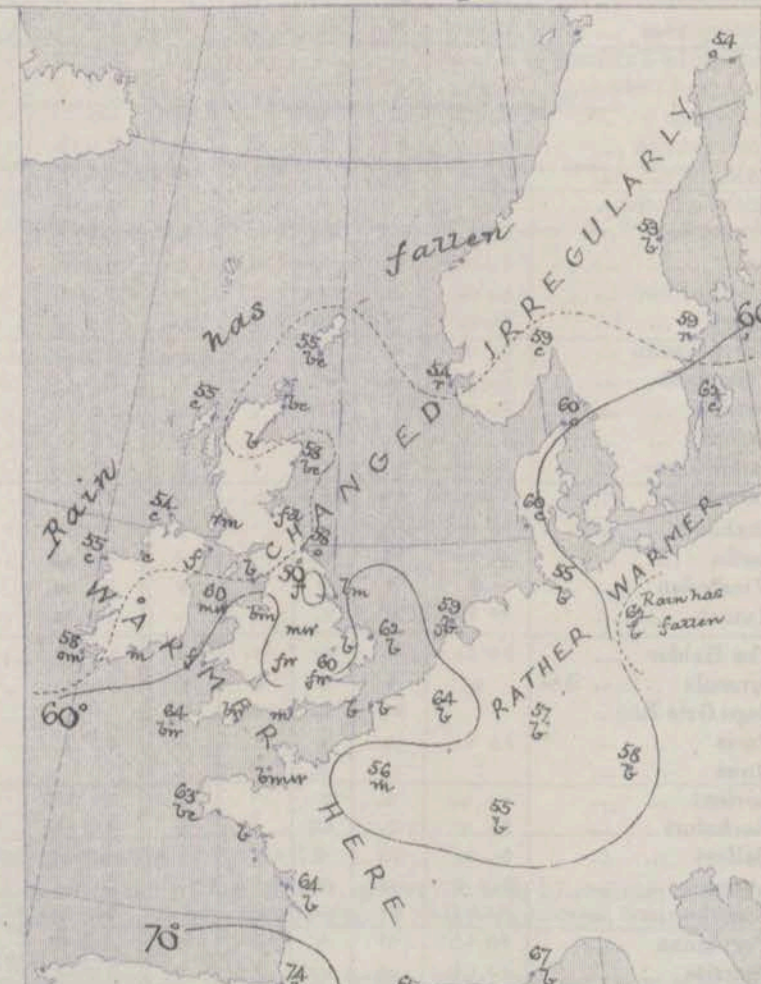
WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more, are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL. (For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.9	48.5	53.8	52.0	3.21
Stornoway.....	58.5	49.0	55.2	53.3	3.57
Wick.....	61.1	48.5	55.2	53.2	2.35
Nairn.....	63.4	50.2	55.6	52.7	2.81
Aberdeen.....	63.1	50.2	56.7	53.6	3.13
Leith.....	65.8	51.4	57.6	54.6	2.62
Shields.....	63.5	52.3	57.5	54.9	2.81
York.....	68.1	51.4	58.0	55.3	2.47
Loughborough.....	70.5	52.1	59.9	57.4	2.61
Ardrossan.....	64.0	53.1	57.3	54.9	4.08
Donaghadee.....	61.8	52.0	57.0	55.5	2.99
Holyhead.....	64.3	55.0	58.5	56.4	2.89
Liverpool.....	65.7	54.3	58.7	55.5	2.79
Parsonstown.....	66.2	51.7	57.6	55.7	3.48
Valencia.....	65.0	54.1	59.4	57.0	4.65
Roche's Point.....	66.6	53.9	59.0	56.4	3.59
Pembroke.....	63.7	55.8	58.9	56.6	2.91
Sally.....	64.9	57.2	61.1	59.0	2.45
Jersey.....	69.0	57.4	63.1	60.0	2.26
Hurst Castle.....	65.1	56.1	61.2	59.1	2.31
Dover.....	67.1	57.2	62.6	59.0	2.06
LONDON.....	71.8	53.7	61.4	57.8	2.20
Oxford.....	69.2	53.4	59.2	56.4	2.33
Cambridge.....	71.3	52.1	60.2	57.3	2.25
Yarmouth.....	66.4	55.1	60.8	57.9	2.17

NOTE.—The Temperature means are for the 15 years 1871-85, the Rainfall means are mainly those for the 20 years 1868-85.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.20 in. to 30.35 in. over France and Germany — 30.1 in. and more over England and Ireland.
 Lowest, 29.7 in. at Bodo and below 29.8 in. over Scotland generally —
 Gradient slight, for W. winds in the north — very slight and variable elsewhere.
 Barometer rising in the north and west, changing very little elsewhere.

TEMPERATURE

Highest, 74° at Biarritz, 68° at Lisbon and Jersey, 67° at Cape Fin Fay, 66° at Hawk Point and Lungeness, 64° at Bally, 63° at Liverpool, Berlin, and Nuremberg.
 Lowest, 49° at York (with thick fog) and at Bodo, 53° at Helsingland, 54° at Hvalen Head and Skudenness, and 55° at Belfast.
 It has changed irregularly (owing to local fogs) but is now rising fast in London.

WIND

W. to SW. at most of the northern stations — light to moderate in Scotland.
 SE., light over the Bay of Biscay — extremely light and variable elsewhere.
 Calm in several parts of Ireland and England.

WEATHER

Rainy, locally in south of Scotland and at several Scandinavian stations, dull in Ireland,
 fine generally elsewhere, but with morning fogs in many places.

SEA

Smooth except at Bally (where there is a ground swell from the W.) and at Stromsund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any important change at present.

FORECASTS

For the 24 hours ending at NOON on 31st August 1889.

DISTRICTS.

FORECASTS.

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

W. breezes, light, fair as a whole.
 Variable airs; fine generally, mist locally.
 Varying airs; fine, warm, local fogs.

DISTRICTS.

FORECASTS.

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

Calms and variable light breezes;
 foggy in places, bright at times.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	Bar.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnes ...	29.98	59	55	NW 4	0	4	Holyhead ...	30.12	61	57	SSW 3	c	4
Sumburgh Head ...	29.87	58	54	NW 3	c	3	Valencia ...	30.08	59	57	S 4	om	4
Stornoway ...	29.90	62	59	SW 4	bc	4	Scilly ...	30.11	68	63	SE 4	b	5
Aberdeen ...	29.98	60	57	SE 2	c	2	Jersey ...	30.15	74	64	ESE 1	b	1
Shields ...	30.04	66	63	SW 4	c	2	Dungeness ...	30.21	69	64	SSW 2	b	1
Ardrossan ...	30.01	56	55	SW 1	0	1	London ...	30.18	75	63	SSW 2	b	2
Malin Head ...	30.01	54	54	E 1	0	1	Yarmouth ...	30.17	72	60	NW 2	b	2
Mullaghmore ...	30.01	56	56	NNE 1	gd	1	Rochefort ...	30.17	89	72	ESE 3	b	2
Balmillet ...	30.02	56	55	NNE 3	cd	*							

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

Continental Information not available.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

DAILY WEATHER REPORT.

for *Saturday, 31st August, 1889.*
Issued by the Meteorological Office, 63 Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	+ YESTERDAY EVENING.						8 A.M. TO DAY.										PAST 24 HOURS.		
	Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.			Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)		SHADE TEMP.		
			Dir.	Force (0 to 12.)			Reading at 8 A.M. and Sea Level.	Difference from 8 A.M. yesterday.	Dry.	Wet.	Difference from 8 A.M. yesterday.	Dir.	Force (0 to 12.)				Max.	Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ..	29.79	SW	2	b		29.71	-.02	56	53	+ 2	SW	4	bc	*		59	52	-
	Hernösand ...	29.93	S	4	c		29.90	-.06	53	51	0	W	2	b	*		68	48	-
	Stockholm ...	30.02	Z	0	b		29.99	-.04	61	58	+ 2	SW	2	o	*		69	55	-
	Wisby ...	30.07	SW	4	b		30.04	-.06	59	57	- 3	W	5	o	*		66	57	-
	Bodö ...	29.62	SEW	6	o		29.55	-.15	50	48	+ 1	SW	8	r	5		43	0.55	
	Christiansund...	29.86	WSW	7	c		29.95	+.08	51	49	- 6	WNW	8	r	5		57	42	0.12
	Skudesnaes ...	30.09	Z	0	bc		30.18	+.12	56	53	+ 2	WNW	2	c	3		59	50	0.20
	Christiania Fjord (Fjorder)	29.98	SSW	4	o		30.04	-.01	55	49	- 4	WNW	3	b	2		61	54	-
	Skagen (The Scaw)	30.02	WSW	1	o		30.07	-.02	58	52	- 2	NW	2	b	1		66	55	-
	Fanö ...	30.12	WSW	1	b		30.15	-.02	59	58	- 1	ENE	1	b	*		66	55	-
BRITISH ISLANDS.	Sumburgh Head	29.98	WSW	3	c		30.11	+.18	54	51	- 7	W	1	o	2		58	49	0.01
	Stornoway ..	30.08	W	4	bc		30.10	+.10	55	55	0	SW	3	r	3		60	50	0.42
	Wick ...	30.10	WNW	3	o		30.15	+.14	54	52	- 2	W	2	p	1		64	45	0.03
	Nairn ...	30.11	SW	1	bc		30.15	+.10	55	51	0	WSW	1	bc	1		64	48	-
	Aberdeen...	30.12	SE	2	bc		30.21	+.14	54	52	- 4	W	1	bmw	1		62	45	-
	Leith ...	30.12	WSW	2	bc		30.22	+.15	56	52	0	SW	1	bm	*		67	42	0.02
	Shields ...	30.13	NE	1	o		30.20	+.13	54	53	- 4	WNW	1	c	2		68	51	-
	Spurn Head ...	30.09	ENE	2	b		30.19	+.07	60	57	0	NE	3	bc	3		69	55	-
	York ...	30.11	NW	1	bc		30.22	+.08	58	56	+ 9	N	1	b	*		72	47	-
	Loughborough	30.10	Z	0	b		30.21	+.05	56	54	+ 1	WNW	1	cmw	*		81	50	-
GERMANY.	Ardrossan ...	30.15	W	2	b		30.22	+.13	53	51	- 3	Z	0	bmw	0		62	44	-
	Malin Head ...	30.15	WNW	1	b		30.21	+.11	54	51	0	S	2	bw	1		60	49	-
	Mullaghmore ...	30.19	SW	3	b		30.24	+.12	54	53	- 3	Z	0	bmw	0		61	48	-
	Belmullet ...	30.20	WNW	2	b		30.23	+.09	55	53	0	SW	2	b	*		61	50	-
	Donaghadee ...	30.18	ENE	2	bc		30.24	+.14	53	52	- 2	W	2	c	0		65	52	0.02
	Barrow-in-Furness	30.11	NW	3	b		30.23	+.13	57	56	+ 2	NW	1	bm	*		63	54	-
	Liverpool (Bidston)	30.15	NW	1	c		30.21	+.08	58	57	- 4	WNW	1	cm	1		69	55	-
	Holyhead ...	30.16	ENE	2	c		30.21	+.10	57	55	- 3	NE	2	cm	1		63	55	-
	Parsonstown ...	30.18	Z	0	c		30.25	+.13	48	47	- 9	Z	0	f	*		63	44	0.01
	Valencia ...	30.20	WNW	2	b		30.24	+.11	57	55	- 1	NE	1	b	1		64	53	-
FRANCE & NETHERLANDS.	Roche's Point...	30.16	NW	2	o		30.23	+.09	56	53	- 2	N	2	c	2		62	51	-
	Pembroke ...	30.14	NW	1	m		30.19	+.06	59	58	- 1	NE	2	bmw	1		66	55	-
	Scilly ...	30.13	N	4	om		30.16	+.07	59	59	- 5	N	3	afp	4		68	57	0.02
	Prawle Point ...	30.07	WNW	1	c		30.16	+.02	62	59	- 4	N	1	ogm	0		72	54	-
	Jersey ...	30.13	ESE	1	bm		30.14	-.03	64	62	- 4	WNW	2	ogm	2		78	59	-
	Hurst Castle ...	30.13	SW	2	b		30.16	.00	61	59	- 3	N	2	m	1		76	51	-
	Dungeness ...	30.12	SW	2	b		30.12	-.03	65	61	- 1	W	1	m	0		72	51	-
	London ...	30.11	SSW	1	b		30.15	.00	59	57	- 1	Z	0	sw	*		83	53	-
	Oxford ...	30.12	Z	0	b		30.17	.00	59	57	+ 3	NW	1	bw	*		82	52	-
	Cambridge ...	30.10	SW	1	b		30.18	+.01	56	56	- 2	N	1	o	*		82	52	-
PENIN- SULA.	Yarmouth ...	30.12	SE	1	b		30.16	.00	63	61	+ 1	ENE	1	bw	1		67	59	-
	Cuxhaven ...	30.18	ESE	1	b		30.14	-.08	63	61	+ 8	N	1	m	*		71	57	-
	Berlin ...	30.18	Z	0	b		30.19	-.06	61	59	- 1	ESE	1	b	*		75	57	-
	Wiesbaden ...	*	*	*	*		30.19	-.08	59	57	+ 2	Z	0	b	*		77	55	-
	Munich ...	30.25	NE	3	b		30.23	-.12	59	58	+ 1	E	1	b	*		73	48	-
	The Helder ...	30.14	NE	1	b		30.15	-.04	62	61	+ 3	NE	1	b	1		73	59	-
	Brussels ...	*	*	*	*		30.15	-.07	65	61	+ 1	WSW	1	f	*		80	58	-
	Cape Gris Nez...	?	Z	0	b		?	?	64	61	- 3	Z	0	m	0		77	59	-
	Paris ...	30.14	SSW	1	b		30.17	-.04	56	55	0	Z	0	m	*		82	51	-
	Brest ...	?	WNW	3	m		?	?	65	60	+ 2	E	2	o	2		66	54	-

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for 8 a.m. on

Saturday, 31st August.

1889.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;

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○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

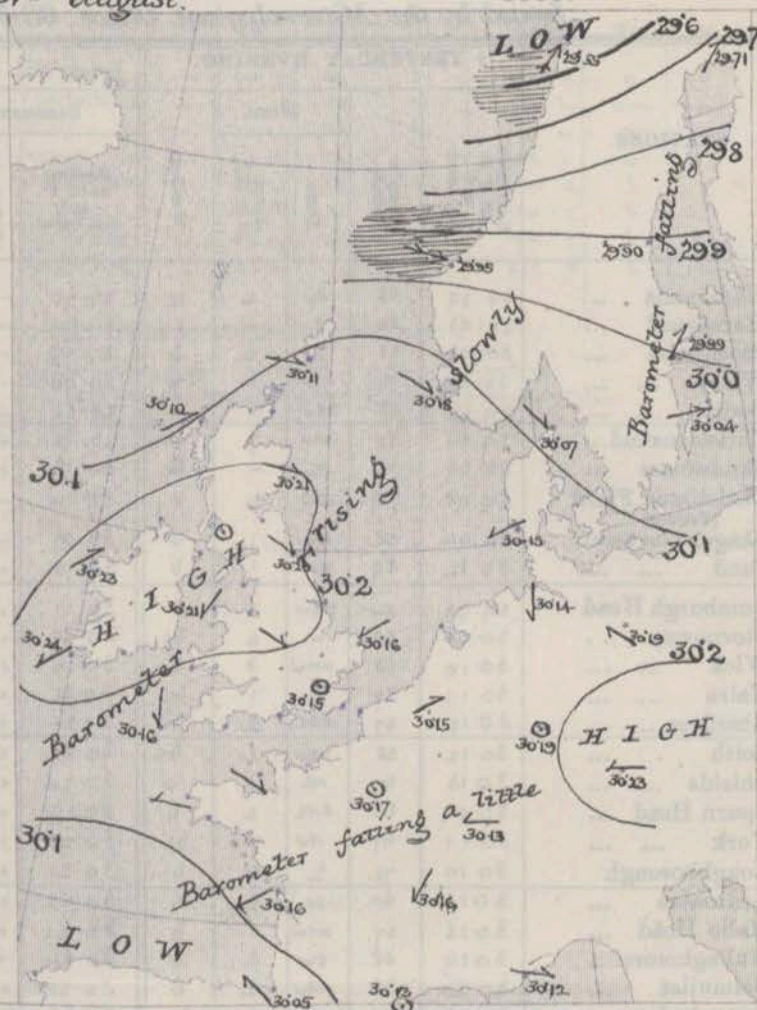
☼ = Rough. ☼ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August.

During the 15 Years: 1871—1885.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.793
Stornoway	29.802
Wick	29.818
Nairn	29.827
Aberdeen	29.835
Leith	29.852
Shields	29.876
York	29.907
Loughborough	29.925
Ardrossan	29.880
Donaghadee	29.877
Holyhead	29.904
Liverpool	29.903
Parsonstown	29.919
Valencia	29.922
Roche's Point	29.922
Pembroke	29.921
Silly	29.958
Jersey	29.976
Hurst Castle	29.960
Dover	29.950
LONDON	29.952
Oxford	29.943
Cambridge	29.934
Yarmouth	29.929



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: and more, in an anticyclone lying over Ireland and the north of England, and another in South Germany.
Lowest, 29.6 in: in the west of Sweden — 30.1 in: and less, over the Bay of Biscay.
Gradients slight except over the north of Scandinavia.
Barometer changing very little except in the extreme north, where it is falling decidedly.

TEMPERATURE

Highest, 74° at Biarritz, 71° at Corint, 67° at Rochefort, 64° at Nice, 63° at Cuxhaven.
Lowest, 48° at Parosstown, 50° at Bode, 51° at Christiansund, 53° at Helsingland, 54° at Dumburgh Head, Aberdeen, and Mullaghmore.
The daily maxima recorded over the inland parts of England yesterday were as high as 80° to 83°.

WIND

Light from E. and over the Bay of Biscay — Light SW^{ly} and W^{ly} in the north of Scotland.
Extremely light and variable in most other regions.
A fresh gale from SW. and W. has set in over the northern half of Norway.

WEATHER

Rainy in the far north, and slightly showery at Bideford — Fine generally in other places, but with much haze or fog in many localities.
Thunder and lightning occurred over the southwest of England yesterday.

SEA

Smooth except off the northwest of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The SW^{ly} wind and showers now prevalent in the north may possibly extend rather more over our northern and northwestern districts than at present, but there is no indication of any immediate change of importance.

FORECASTS

For the 24 hours ending at NOON on 1st SEPT 1889.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | { SW ^{ly} breezes, freshening a little; changeable, rain at times. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | { W ^{ly} and SW ^{ly} breezes, light; fine, some local showers. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | { Varying airs and calms; fine, foggy at times. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS

- | | | |
|---|---------------|------------------------|
| 6 | SCOTLAND WEST | { Same as Nos 1 and 2. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | { Same as Nos 3 to 5. |
| 9 | IRELAND NORTH | |
| 0 | IRELAND SOUTH | { Same as Nos 1 and 2. |

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.	Dry.	Wet.	Wind.	Wes.	Sea.		Bar.	Dry.	Wet.	Wind.	Wes.	Sea.
Skudesnaes ...	30.04	59	57	ESE 1	0	3	Holyhead ...	30.15	61	59	NW 1	cm	1
Sumburgh Head ...	29.99	56	53	WSW 3	c	3	Valencia ...	30.19	64	61	NW 3	o	3
Stornoway ...	30.05	58	57	W 4	7	4	Scilly ...	30.14	62	60	NW 4	cm	3
Aberdeen ...	30.10	60	55	SEE 3	6c	3	Jersey ...	30.15	72	65	SE 1	b	1
Shields ...	30.10	62	60	NE 1	0	2	Dungeness ...	30.13	71	66	SSW 2	b	1
Ardrossan ...	30.14	61	57	SSW 1	b	1	London ...	30.12	83	68	SSW 1	b	*
Malin Head ...	30.16	60	56	NW 1	b	1	Yarmouth ...	30.13	66	63	SEE 3	b	2
Mullaghmore ...	30.18	60	56	NW 4	b	2	Rochefort ...	30.19	82	73	NW 2	b	2
Belmullet ...	30.21	60	55	WNW 2	b	*							

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

Yesterday morning's reports showed that pressure was as high as 30.2 in. to 30.35 in. in an elongated anticyclone covering the Mediterranean Central Europe and a part of Russia; from this area reading, decreased to 29.7 in. in the west of Lapland, to 30.1 in. and less over the Bay of Biscay and to 29.7 in. and less, in a large and increasing depression which lay over the Black Sea. The wind was consequently W^{ly} and SW^{ly} over Northern Europe, E^{ly} in the west of France and very variable and light over the British Isles, Central France and Germany. Over the southern parts of Russia it was NE^{ly} and over the Balkan Peninsula NW^{ly}. The weather was rainy over Northern Europe and in some parts of Hungary, fine as a whole over Southern, western and Central Europe, but foggy in many parts of the United Kingdom. Temperature was above 70° over the southern half of the Mediterranean and Algeria; in most other places it varied a good deal locally between 55° and 65° and in the extreme north it was about 50°. The highest individual values were 77° at Annale, 74° at Barcelona, Malta, and Boudini, 71° at Cagliari, Annale and Trieste, and 70° at Kharkov. The lowest were 48° at Rost and York, 51° at Archangel and Caeon, 53° at Humber, and also at Moscow, Narva, and Lemberg, 54° at Hermanstadt, Munster, Le Mans and Skudness, and 55° in the north of Scotland and at Belfast.

During the day temperature rose to 80° and more over the inland parts of England, but fell fast again as night came on.

EXPLANATION OF 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.

† The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark, the observations are taken at 8 p.m. (Christiania time).

The Subscription for these Reports, forwarded by book post, is £1 per annum, payable in advance.

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING.					8 A.M. TO-DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
1	Corunna	*	*	*	*	*	30.12	+0.02	67	65	-5	WSW	1	f	2	75	59	-	
2	Corunna	*	*	*	*	*	30.24	+0.12	69	65	+2	SSW	1	bc	1	75	57	-	
3	Corunna	*	*	*	*	*	30.23	-0.01	66	?	-3	ESE	2	b	3	73	55	-	
4	Brussels	*	*	*	*	*	29.97	-0.07	68	?	0	WSW	1	o	*	75	62	-	
6	Corunna	*	*	*	*	*	30.12	-	66	63	-	ENE	1	f	2	77	55	-	
7	Corunna	*	*	*	*	*	30.14	+0.02	65	62	-1	NNE	5	o	6	73	57	-	
8	Lorient	30.22	66	WNW	2	bc	30.20	+0.05	61	-	+2	WNW	3	bc	2	69	47	-	
-	Corunna	*	*	*	*	*	30.12	-0.02	71	63	+6	NE	1	b	6	72	55	-	
9	Belfort	30.06	63	E	1	b	30.04	-0.12	59	52	+2	E	1	b	*	68	51	-	
-	Corunna	*	*	*	*	*	30.19	+0.07	69	63	-2	NW	3	b	2	79	61	-	
-	Lisbon	30.14	66	N	4	b	30.17	+0.05	64	-	-1	N	5	o	2	75	61	-	
10	Lorient	29.92	60	WSW	2	c	29.93	-0.15	64	-	+7	SW	2	c	1	?	55	0.12	
-	Lyons	29.93	75	ENE	1	bc	30.06	+0.01	61	55	-1	N	1	b	*	81	52	-	
-	Corunna	*	*	*	*	*	30.10	-0.09	63	63	-6	W	1	o	0	73	59	0.12	
12	The Helder	29.50	60	W	1	bc	29.45	-0.08	58	56	+1	W	2	r	3	64	57	0.24	
-	Belfort	29.50	61	W	2	o	29.82	-	57	49	-	W	2	o	*	68	52	0.39	
-	Corunna	*	*	*	*	*	30.03	-0.04	62	61	-5	NNE	4	o	6	73	48	0.28	
13	Corunna	*	*	*	*	*	30.26	+0.23	68	63	+6	NE	1	o	?	72	?	-	
14	Corunna	*	*	*	*	*	30.33	+0.07	60	57	-8	ENE	2	b	4	72	50	0.04	
15	Corunna	*	*	*	*	*	30.34	+0.01	66	66	+6	N	1	o	4	73	48	0.08	
16	Corunna	*	*	*	*	*	30.19	-0.15	69	67	+3	NE	1	b	4	73	59	-	
18	Androssan	29.64	58	WSW	4	bc	29.70	+0.06	55	55	-3	WSW	4	c	3	62	54	-	
19	Corunna	*	*	*	*	*	29.76	-0.24	66	61	+6	SSW	5	o	4	77	59	-	
20	Corunna	*	*	*	*	*	30.10	+0.34	66	63	0	SW	4	bc	5	75	59	0.20	
21	Corunna	*	*	*	*	*	30.10	0.00	67	65	+1	SSW	5	o	4	73	61	-	
22	Corunna	*	*	*	*	*	30.18	+0.08	63	60	-4	WSW	4	o	4	75	59	0.12	
24	Belfort	30.01	57	NW	1	c	29.99	-0.07	53	-	-3	NW	1	r	*	62	48	-	
-	Corunna	*	*	*	*	*	30.28	-0.06	55	53	-5	ENE	1	c	4	?	?	-	
26	Lorient	30.11	61	WSW	3	bc	30.17	+0.06	52	-	-5	N	1	b	0	64	45	-	
-	Corunna	*	*	*	*	*	30.12	+0.15	66	65	+5	SE	1	o	3	?	59	0.39	
27	Corunna	*	*	*	*	*	30.15	+0.03	68	63	+2	NNE	1	b	1	70	48	-	
28	Corunna	*	*	*	*	*	30.08	-0.07	71	65	+3	E	1	b	1	73	59	-	
29	Corunna	*	*	*	*	*	30.03	-0.05	71	65	0	ENE	1	b	?	88	54	-	
30	Corunna	*	*	*	*	*	30.11	+0.08	?	66	?	WNW	1	c	3	72	61	-	
31	Corunna	*	*	*	*	*	30.13	+0.02	66	64	?	W	1	o	3	77	50	0.08	

