

1815-4

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER, 1893.

Sec. Hyg. Lond.

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DAILY WEATHER REPORT.

July to December 1893.



DAILY WEATHER REPORT

for 8 a.m. on FRIDAY, 1ST SEPTEMBER. 1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (6 to 9).	SHADE TEMP.			Amount of Rainfall.		
Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).	Weather.	Weather.	Max.	Min.						
Ins.	°			Ins.	°										Ins.					
SCANDINAVIA.	Haparanda ...	29.73	46	NE	4	0	29.83	+1.1	44	41	-2	NNE	4	0	#	0	52	41	—	
	Hernösand ...	29.78	47	NW	4	C	29.86	+1.1	46	42	0	NW	6	C	#	C	52	41	—	
	Stockholm ...	29.88	46	NNW	6	C	29.73	+1.9	46	45	+1	NNW	4	C	#	C	54	39	0.08	
	Wisby ...	29.62	49	N	4	T	29.69	+1.7	49	47	-2	NNE	2	C	#	T	53	45	0.07	
	Bodö ...	29.86	46	S	0	C	29.91	+1.1	48	46	-2	E	2	C	1	C	54	39	—	
	Christiansund...	29.92	49	SW	2	C	29.91	+0.2	48	46	+2	SW	1	C	2	C	50	46	0.03	
	Skudesnaes ...	29.83	52	NNW	2	C	29.90	+1.0	52	49	+1	N	1	C	1	C	55	47	—	
	Christiania Fjord (Færd)	29.80	56	N	2	C	29.89	+1.8	52	46	+4	N	4	m	1	C	57	47	—	
	Skagen (The Seaw)	29.79	56	NNE	2	0	29.88	+2.4	55	50	+10	E	2	C	1	0	57	45	0.04	
	Fanö ...	29.85	50	N	2	C	29.93	+2.6	52	48	-2	N	2	C	#	C	64	48	—	
ISLANDS.	Sumburgh Head	29.94	54	S	0	C	29.78	-1.7	52	51	+1	SSE	2	C	2	C	55	44	0.10	
	Stornoway ...	29.90	58	NW	2	T	29.89	-0.6	58	57	+3	NW	4	0	4	T	58	53	0.05	
	Wick ...	29.93	51	E	2	C	29.80	-1.6	58	57	+6	NW	4	0.7	2	C	58	49	0.15	
	Nairn ...	29.93	53	SE	1	C	29.89	-0.8	59	58	+7	SW	1	C	1	C	59	49	0.17	
	Aberdeen ...	29.98	51	SSE	2	C	29.91	-0.7	55	54	+4	SW	1	0.7mg	3	C	56	49	0.07	
	Leith ...	29.94	53	E	4	T	29.93	-0.1	58	57	0	WNW	1	om	#	T	58	50	0.17	
	Shields ...	29.98	54	NE	1	T	29.98	+0.5	56	54	-2	SW	1	0	2	C	59	52	0.17	
	Spurn Head ...	29.96	56	NE	2	0.7	30.02	+1.0	58	53	-1	S	2	0.7	2	T, 0.7	61	53	0.10	
	York ...	29.97	58	N	1	0	30.02	+0.6	58	53	-4	S	2	0	#	0.7	64	53	0.08	
	Loughborough	29.95	62	N	1	0	30.05	+0.6	56	55	-4	S	0	om	#	0.7	68	53	0.16	
BRITISH ISLANDS.	Ardrossan ...	29.93	59	NW	2	T	29.99	+0.4	60	59	-2	W	4	0	2	T	62	53	0.16	
	Malin Head ...	30.08	59	NW	4	0.07	30.04	+0.3	59	57	0	NW	4	om	2	0.07	59	58	0.06	
	Mullaghmore ...	30.13	61	NNW	1	0	30.15	-0.1	61	58	0	W	2	0	#	0.7	63	55	—	
	Belmullet ...	30.00	60	NNW	4	C	30.06	+0.3	59	58	-2	NNW	4	0	2	C	63	58	0.06	
	Donaghadee ...	30.00	60	NNW	4	C	30.06	+0.3	59	58	-2	NNW	4	0	2	C	63	58	0.06	
	Liverpool (Bidston)	29.96	59	W	4	T	30.04	+0.4	60	58	+1	NNW	1	T	2	T	62	58	0.04	
	Holyhead ...	30.01	60	NNW	4	0.7	30.07	+0.2	59	58	0	NW	4	0.7	3	C, 0.7	67	57	0.03	
	Parsonstown ...	30.10	62	N	1	C	30.14	+0.1	59	55	0	NNW	1	C	#	C	64	54	—	
	Valencia ...	30.15	62	NNW	3	om	30.19	0.0	59	52	-7	S	0	om	1	om	64	48	—	
	Roche's Point	30.10	64	N	2	0	30.16	-0.1	59	53	-2	NNW	2	C	3	0	67	53	—	
GERMANY & HOLLAND.	Pembroke (St. Ann's Hd.)	30.04	61	NW	2	C	30.11	+0.3	61	59	+3	NNW	2	C	2	C	63	57	0.02	
	Scilly ...	30.07	61	NNW	4	C	30.12	+0.2	62	60	0	NNE	2	C	3	C	65	57	—	
	Prawle Point ...	30.01	60	NW	1	C	30.07	+0.1	61	59	-1	NNW	2	C	1	C	65	56	—	
	Jersey (St. Aubin's)	30.01	64	NW	2	tem	30.06	+0.3	60	62	0	NNW	2	0.7mg	2	C, 0.7mg	67	60	—	
	Hurst Castle ...	29.98	66	NW	2	C	30.02	0.0	62	60	0	NNW	2	C	1	C, C	70	58	0.07	
	Dungeness ...	29.89	66	NE	2	0	29.98	+0.5	59	58	+2	ESE	2	T	2	0.7	71	57	0.06	
	North Foreland	29.90	62	NE	4	0.7	29.98	+0.6	62	60	+1	E	1	C	2	C, 0.7	69	56	0.04	
	London ...	29.94	64	NE	2	C	30.01	+0.2	59	58	-1	ESE	1	od	#	C, 0.7	71	53	0.12	
	Oxford ...	29.97	63	NW	1	0	30.03	+0.3	59	58	-2	NNE	1	0.7	#	C, 0.7	69	57	0.09	
	Cambridge ...	29.95	60	NNE	1	C	30.04	+0.7	59	58	-2	NNE	1	0	#	C	69	50	0.11	
FRANCE AND BELGIUM.	Yarmouth ...	29.93	59	N	3	C	30.02	+1.0	58	58	-1	ESE	1	C	2	od, C	68	50	0.04	
	Cuxhaven ...	29.73	53	NNW	2	C	29.93	+2.4	49	46	-6	NNW	2	C	#	C	61	48	0.08	
	Berlin ...	29.85	55	NW	2	T	30.04	+1.3	52	50	-2	N	1	C	#	C	66	52	0.04	
	Wiesbaden ...	29.85	55	SW	2	T	30.02	+1.1	48	48	-2	NNW	2	C	#	T	68	48	0.16	
	Munich ...	29.96	57	N	2	C	30.06	+1.4	57	51	-2	NE	1	C	1	C	61	53	0.08	
	The Helder ...	29.96	57	N	2	C	30.06	+1.4	57	51	-2	NE	1	C	1	C	61	53	0.08	
	Brussels (9 a.m.)	*	*	*	*	*	30.04	+1.0	57	52	0	SE	1	C	#	0	69	48	0.04	
	Cape Gris Nez	29.88	62	ESE	2	0	29.96	+0.1	56	55	-3	SSE	1	T	1	0	70	56	0.12	
	Paris ...	29.91	70	NW	2	C	30.06	+0.6	59	57	+2	S	1	0	#	C	70	54	—	
	Brest ...	29.91	62	NE	3	C	30.07	+0.7	60	59	+2	NNW	2	0	2	C	70	57	—	
PENINSULA.	Lorient ...	30.01	68	NNW	4	C	30.07	+0.7	61	57	+2	NW	4	0	2	C	73	57	—	
	Rochefort ...	29.95	68	NW	4	C	30.01	+0.7	60	59	+1	NNW	2	C	#	C, C	77	54	—	
	Belfort ...	29.95	62	NNE	2	C	30.01	+0.7	62	56	0	NNE	2	C	#	C	68	53	—	
	Lyons ...	29.84	69	N	3	C	29.99	+1.4	62	55	0	N	1	C	#	C	70	56	—	
	Nice ...	29.71	64	S	0	C	29.79	+0.8	65	59	+1	S	0	C	#	C	70	59	0.35	
	Perpignan ...	29.88	69	W	2	0	29.99	+1.7	69	60	+3	NW	2	C	#	0	75	61	—	
	Biarritz ...	29.99	70	NW	3	C	30.05	+1.0	64	60	+1	S	2	C	1	C	75	63	—	
	Corunna ...	*	*	*	*	*								*						
	Lisbon ...	*	*	*	*	*								*						

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Friday, 1st September, 1893.

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:

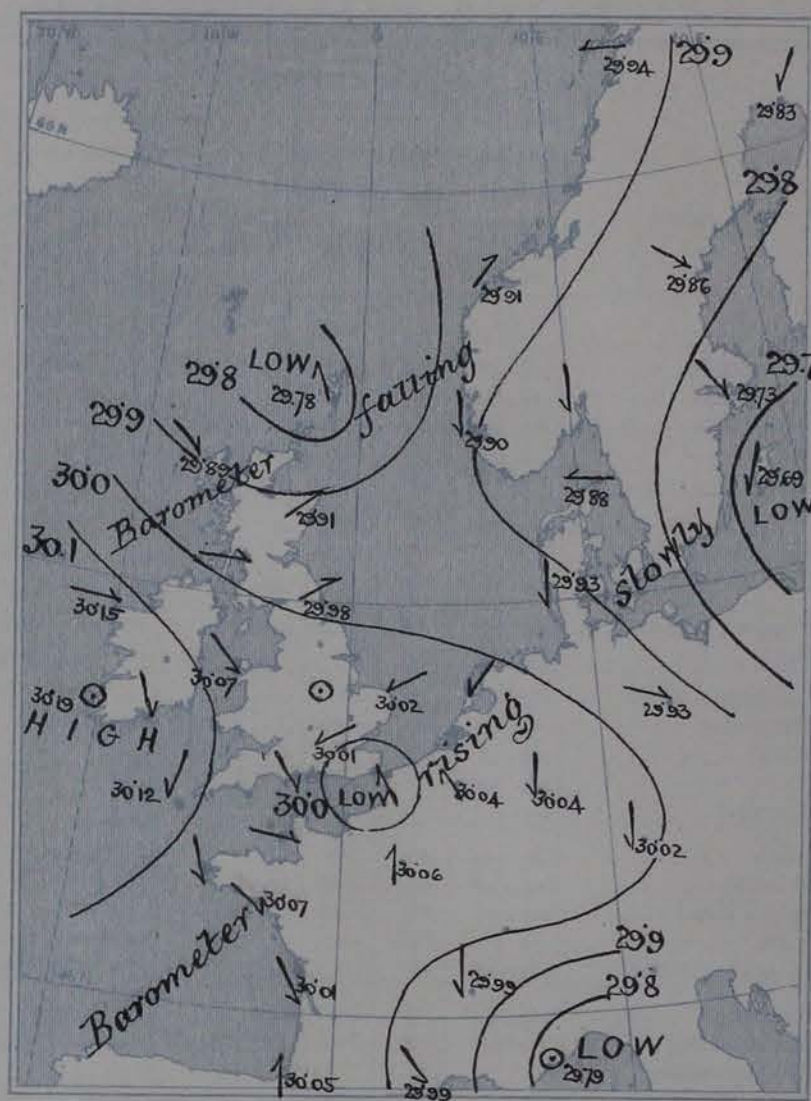
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrrossan	29.885
Mullaghmore	29.890
Doughadale	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Seilly	29.971
Prawle Point	29.908
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in: and upwards in an anticyclone extending from the Atlantic over the southwestern parts of the United Kingdom.
 Lowest, 29.7 in: and less, in a depression over the Baltic; 29.8 in: and less, in two other systems, one lying off the north of Scotland, and the other over the Gulf of Lyons; 30.0 in: and less, in a very shallow disturbance lying off the southeast of England.
 Gradients slight. Barometer falling over the northern parts of the United Kingdom, but rising elsewhere.

TEMPERATURE

Highest, 63° at Perpignan, 65° at Jersey and Nice, 64° at Biarritz, and 62° at Lally, Hurst Castle and the North Foreland.
 Lowest, (1) 44° at Havana, 46° at Havana and Stockholm, and 48° at Porto and Christianaund; (2) 48° at Munich and 49° at Berlin.
 The maxima registered yesterday were below 60° at most of our northern stations, but slightly above 70° in some of the southern districts.

WIND

Light to moderate from the NWnd on our southwestern, western, and extreme northern coasts, as well as in the west of France.
 Light from the SWnd on the northeast coasts of Great Britain; NEnd in the southeast of England, SEnd or Snd over Belgium and the northeast of France.
 Variable in the west of Norway, Nnd in Sweden, NWnd in Germany.

WEATHER

Dull in all but the southwestern parts of the United Kingdom, with rain at several of the English and Scotch stations.
 Variable at the Continental stations; fine in many places, but dull in others, and raining at Stockholm, Christianaund, and Munich.
 Since yesterday morning rain has fallen at all but our southwestern stations; the amounts are in most cases slight, but at Turgenev there was as much as 0.9 inch. Aurora was seen last night at Wick.

SEA

Slight or smooth on all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression off the southeast of England appears to be filling up, and the weather in its vicinity is, therefore, likely to improve gradually. The depression off the north of Scotland seems likely to occasion further rain over our northern districts.

FORECASTS

For the 24 hours ending at NOON on 2nd September, 1893.

DISTRICTS.

FORECASTS.

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

Wnd and NWnd winds, moderate; dull, some rain.
 SWnd to Wnd winds, light; dull, some rain.
 NEnd to NWnd winds, light; dull at first with some rain and possibly thunder, improving later.

DISTRICTS.

FORECASTS.

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

NWnd winds, moderate; dull, rain locally.

Nnd winds, light; fair generally.

Same as Nos 6 and 7.

Same as No 8.

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29. 25	5	47	NNW	4	b	2	Valencia ...	30. 5	61	60	NNW	3	m	3
Sumburgh Head ...	29. 96	54	49	NNE	1	c	1	Scilly ...	30. 09	62	59	NNW	4	c	2
Stornoway ...	29. 93	56	55	SE	2	7	3	Jersey ...	30. 23	66	60	NW	3	bcn	3
Aberdeen ...	29. 90	56	49	ESE	2	b	3	Hurst Castle ...	29. 99	67	62	NW	2	c	1
Shields ...	29. 97	56	54	NE	2	odf	3	Dungeness ...	29. 90	70	64	NE	3	o	2
Ardrossan ...	29. 94	60	60	N	3	7	2	North Foreland ...	29. 89	69	65	N	2	b	2
Malin Head ...	30. 01	59	58	NW	4	odf	2	London ...	29. 93	71	62	N	2	c	*
Mullaghmore ...								Yarmouth ...	29. 92	60	58	N	3	cd	4
Belmullet ...	30. 15	63	60	NNW	1	o	*	Rocheport ...	29. 96	73	66	NNW	3	c	*
Holyhead ...	30. 02	66	63	NW	2	c	2								

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

Weather in morning fine and bright over the southern and western parts of the Mediterranean, western and central France, and on the eastern shores of the North Sea; cloudy or overcast elsewhere, rainy at Pembroke, Christiansund, Berlin, and Lemberg, thunderstorm at Toulon. Some rain later except in the southwest of our Islands and the west of France, considerable falls in several parts of Scandinavia at Liverpool and Nice, and a heavy fall at Dungeness.

Temperature changing irregularly. Morning readings exceeding 70° over the southern and southeastern parts of the Mediterranean only; exceeding 60° over southern Europe generally and at several of our own stations, lower elsewhere. Below 50° over many parts of northern Europe, and as low as 42° at Moscow and Petersburg, 44° at Kuopio, 45° at Skudesnaes, the Scan, and Uleaborg. Rising later to a little above 70° at some of our southern stations, to between 75° and 77° in many parts of France, and to 78° at Paris.

Wind chiefly N¹ to NW³ over our Islands, the North Sea, and northern Europe, W¹ over Germany and the southern half of Russia — but considerable local variation observed in Scotland and at Christiansund; N¹ to NE³ over France, NE¹ to E³ on the coasts of the Peninsula, very variable over the Mediterranean and Italy. No decided change later.

Barometer highest 30.1 in. and more over the southwestern half of Ireland, and exceeding 29.9 in. all over our Islands, France, Spain, and Portugal, with the Bay of Biscay. Lowest (1) 29.2 in. and less over the north of Russia, and 29.5 in. to 29.6 in. over Finland and the Baltic; (2) about 29.7 in. in a depression over Corsica. Gradients moderate to slight and irregular. Rising over the Baltic and Scandinavia later, falling very slightly and irregularly in our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 2nd September,

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (0 to 9).	Weather.	Shade Temp.		Amount of Rainfall.			
				Reading at 32° F. and Sea Level.	Dry Bulb.		Direc.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Direc.	Force (0 to 12).		Weather.	Max.	Min.
Ins.		°				Ins.	°	°	°							°	ins.				
SCANDINAVIA.	Haparanda ...	29.93	42	ESE	4	bc	30.01	+0.18	41	39	- 3	NE	4	b	#	bc	50	41			
	Hernösand ...	29.93	46	N	4	0	29.95	+0.09	46	41	0	NW	4	bc	#	0	52	41			
	Stockholm ...	29.79	48	NW	4	0	29.80	+0.07	50	46	+ 4	N	8	b	#	0	52	39	0.04		
	Wisby ...	29.77	50	NNW	8	0	29.74	+0.05	49	48	0	NE	6	1	#	0	54	45	0.16		
	Bodö ...	29.95	49	Z	0	c	29.99	+0.08	50	48	+ 2	E	2	bc	1	c	52	45			
	Christiansund...	29.88	48	ESE	1	b	29.95	+0.04	46	45	- 2	SW	1	b	1	b	54	43	0.04		
	Skudesnaes ...	29.84	52	S	3	r	29.93	+0.08	54	48	+ 1	E	2	bc	2	r	56	46			
	Christiania Fjord (Færd)	29.84	56	SSW	4	b	29.94	+0.05	51	46	- 1	N	4	b	1	b	59	50			
	Skagen (The Scaw)	29.86	53	WSW	2	0	29.88	-0.00	57	51	+ 2	E	2	bc	0	0	59	48			
	Fanö ...	29.89	56	W	4	c	29.73	-0.20	51	50	- 1	NE	6	0	#	c	63	50	0.35		
BRITISH ISLANDS.	Sumburgh Head	29.74	54	WNW	2	r	29.93	+0.15	51	51	- 1	WNW	2	r	3	0, r	55	50	0.19		
	Stornoway ...	29.94	59	NW	5	r	30.11	+0.22	58	57	0	NW	4	0	4	0, r	60	55	0.07		
	Wick ...	29.87	56	NW	4	0	30.04	+0.21	57	56	- 1	NW	2	0	2	0	58	52	0.12		
	Nairn ...	29.90	60	W	1	0	30.08	+0.19	60	57	+ 1	WNW	1	0	1	0	60	57	0.11		
	Aberdeen ...	29.89	60	WNW	4	opq	30.04	+0.13	58	55	+ 3	WNW	3	c	3	opq	64	55	0.20		
	Leith ...	29.95	61	SW	3	c	30.07	+0.14	63	59	+ 5	WSW	2	c	#	c	64	56	0.04		
	Shields ...	29.95	61	W	3	0	30.06	+0.08	62	59	+ 6	W	2	0	2	d, 0	65	55	0.04		
	Spurn Head ...	29.97	63	W	3	r	30.03	+0.01	61	58	+ 3	WNW	4	c	3	r	65	57	0.02		
	York ...	29.99	64	W	3	0	30.07	+0.05	61	58	+ 6	WNW	3	b	#	0	66	58	0.01		
	Loughborough	30.05	63	NW	3	c	30.10	+0.05	61	58	+ 5	NW	3	cw	#	c	68	55	0.01		
GERMANY & HOLLAND.	Ardrossan ...	30.01	60	W	4	0	30.12	+0.13	59	58	- 1	W	1	0	1	0	63	58			
	Malin Head ...	30.08	60	NW	4	0	30.15	+0.11	59	57	0	WNW	4	c	2	0	62	59	0.02		
	Mullaghmore ...																				
	Belmullet ...	30.19	63	WNW	1	bc	30.25	+0.10	64	59	+ 3	W	1	bc	#	0, bc	64	51			
	Donaghadee ...	30.11	62	NW	4	c	30.18	+0.12	59	58	0	NW	3	0	1	c	65	58			
	Liverpool (Bldston)	30.07	60	W	4	0	30.14	+0.10	59	58	- 1	WNW	4	0	3	0	61	58			
	Holyhead ...	30.11	61	NW	1	0	30.17	+0.10	60	58	+ 1	NW	4	cq	3	0, q	65	58			
	Parsonstown ...	30.16	64	NW	1	0	30.25	+0.11	55	54	- 2	S	1	0, f	#	0, 0	69	48			
	Valencia ...	30.21	63	NW	3	b	30.26	+0.07	57	56	+ 4	Z	0	b, m	#	b, m	65	46			
	Roche's Point	30.18	66	WNW	2	b	30.25	+0.09	57	55	0	WNW	1	b	1	b	69	53			
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.14	61	NW	2	b	30.20	+0.09	62	59	+ 1	N	2	b	2	b	65	56			
	Scilly ...	30.20	63	N	4	bc	30.22	+0.10	62	60	0	NW	1	bw	3	bc, b	65	58			
	Prawle Point ...	30.12	64	WNW	2	c	30.19	+0.12	65	61	+ 4	WNW	2	b	1	c	72	52			
	Jersey (St. Aubin's)	30.11	67	NW	3	b	30.18	+0.12	65	60	0	WNW	3	bc	3	b	69	58			
	Hurst Castle ...	30.12	65	NE	2	cm	30.16	+0.14	61	59	- 1	WNW	2	c	1	cm	68	55			
	Dungeness ...	30.04	64	SSW	2	c	30.07	+0.09	62	59	+ 3	WNW	4	c	3	bc, c	66	56			
	North Foreland	30.02	62	SE	1	c	30.03	+0.15	62	60	0	NW	4	bc	2	c	68	57			
	London ...	30.06	63	W	1	c	30.11	+0.10	61	58	+ 4	NW	2	0	#	0, bc, 0	65	57			
	Oxford ...	30.08	61	WNW	1	0	30.13	+0.10	61	57	+ 4	NW	2	0	#	0, q	67	57			
	Cambridge ...	30.03	64	SSW	1	0	30.08	+0.04	63	59	+ 6	WNW	3	0	#	0	66	55			
PENINSULA.	Yarmouth ...	30.00	63	WSW	1	b	30.01	-0.01	59	58	+ 1	NW	3	0, r	3	b, b	64	55	0.07		
	Cuxhaven ...	30.03	54	W	3	b	29.79	-0.01	52	51		SW	4	0	#	b	60	52			
	Berlin ...	29.96	52	W	1	b	29.92	-0.01	49	47	0	SW	1	c	#	b	61	48			
	Wiesbaden ...	*	*	*	*	*	30.00	-0.04	52	50	0	Z	0	0	#	#	61	46			
	Munich ...	30.11	53	Z	0	c	30.07	+0.05	51	50	+ 3	W	3	0	#	c	59	46	0.04		
	The Helder ...																				
	Brussels (9 a.m.)	*	*	*	*	*	30.01	-0.03	58	58	+ 1	NW	2	r	#	b	67	51	0.24		
	Cape Gris Nez	30.02	62	NE	1	c	30.01	+0.05	61	59	+ 5	NW	4	m	4	c	70	55			
	Paris ...	30.05	64	W	1	c	30.12	+0.06	57	56	0	WNW	1	c	#	c	70	55	0.04		
	Brest ...	?	66	N	3	b	?	?	55	54	- 5	N	1	bc	3	b	70	54			
FRANCE AND BELGIUM.	Lorient ...	30.11	68	NW	3	bc	30.21	+0.14	56	56	- 5	N	2	m	2	bc	75	54			
	Rocheport ...	30.04	66	WNW	4	b	30.14	+0.13	60	60	0	WSW	2	b	#	b	72	57			
	Belfort ...	?	62	NE	3	b	?	?	60	54	- 2	W	3	0	#	b	74	48			
	Lyons ...																				
	Nice ...	29.88	68	SE	2	bc	29.93	+0.14	66	60	+ 1	Z	0	b	#	bc	79	61			
	Perpignan ...	30.00	67	NW	2	b	30.11	+0.12	68	61	- 1	NW	1	bc	#	b	82	59			
	Biarritz ...	30.08	72	N	3	b	30.13	+0.08	64	60	0	ESE	2	b	1	b	77	61			
	Corunna ...	*	*	*	*	*															
	Lisbon ...	30.08	71	NW	4	b	30.11	+0.06	69	67	- 2	NE	2	b	#	b	79	66			

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 2nd Sept. 1893.

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:

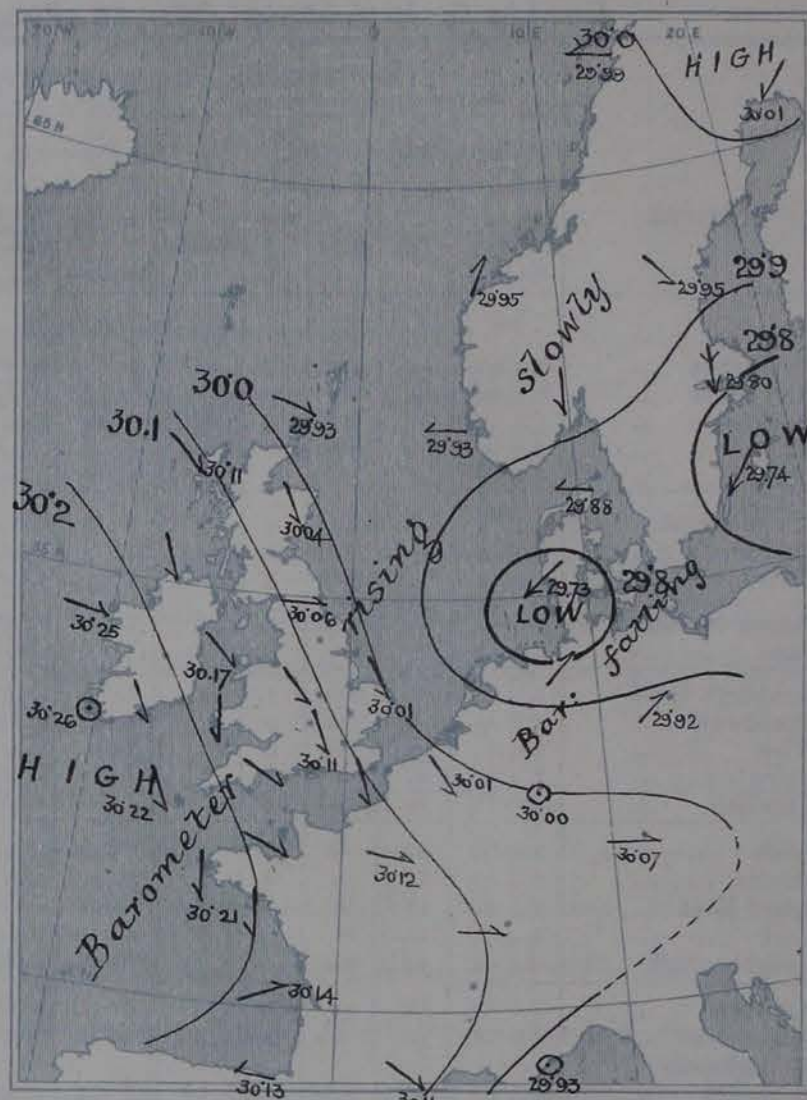
≡ = Rough. ≡ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrossan	29.885
Mullaghmore	29.890
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.940
Pembroke	29.948
Sally	29.971
Prawle Point	29.908
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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.

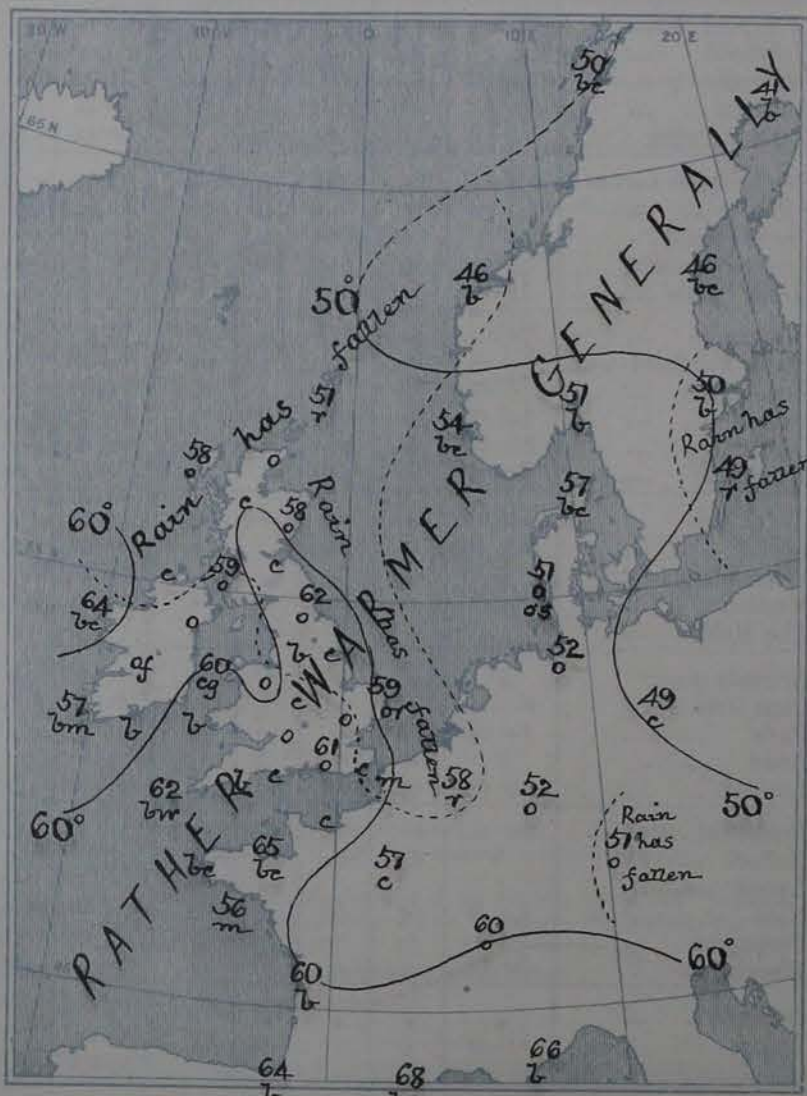
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of September.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	55.0	46.1	50.8	49.1	3.32
Stornoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.5	51.9	50.0	2.53
Nairn	59.2	46.5	51.3	48.9	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.97
Leith	61.9	47.5	53.2	50.8	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	49.7	55.5	53.8	2.92
York	62.9	47.7	52.0	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.76
Ardrossan	59.6	49.4	53.5	51.4	3.67
Mullaghmore	60.2	50.9	54.0	51.6	4.95
Donaghadee	59.6	49.2	53.0	52.3	3.04
Holyhead	60.7	52.0	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.30
Parsonstown	61.5	47.4	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.03
Pembroke	60.1	53.0	56.1	53.9	3.58
Sally	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	65.4	54.8	59.9	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	66.4	49.0	55.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.60
Cambridge	65.6	48.1	54.6	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.91

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins: and upwards in an anticyclone extending from the Atlantic over the southwestern parts of our Islands and the northern part of the Bay of Biscay.
 Lowest, 29.8 ins: and less, in two depressions, — one lying over the south of Denmark and the other over the northern part of the Baltic.
 Gradients slight. Barometer rising at all but the Danish and German stations.

TEMPERATURE

Highest, 69° at Biarritz, 68° at Perpignan, 66° at Nice, 65° at Pau and Jersey, 64° at Belmullet, and 63° at Edinburgh and Cambridge.
 Lowest, 41° at Haparanda, 46° at Helsingfors and Christiansund, 49° at Wiesbaden and Munich, and 50° at Riga and Stockholm.
 The highest maxima registered over our Islands yesterday were 72° at Pau, 69° at Jersey, and 68° at Loughborough, Hurst Castle, and the North Foreland.

WIND

Light to moderate from the NWnd over the greater part of our Islands, the Netherlands, and the north of France; W^{ly} or SW^{ly} in Germany.
 Variable in the west of Norway, N^{ly} or NE^{ly} in Sweden and Denmark, with a gale at Stockholm; calm or variable over the southern part of France.

WEATHER

Cloudy or overcast in all but the southern part of the United Kingdom, with rain at Yarmouth.
 Fine at most of the Scandinavian stations, as well as in the southern parts of France; dull in Denmark, Germany and the Netherlands; rain falling at Stockholm and Brussels.
 Rain fell yesterday in all the more northern parts of the United Kingdom, as well as in many parts of Scandinavia.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone in the southwest continues to spread northeastwards, and fair weather is probable in most districts.

FORECASTS

For the 24 hours, ending at NOON on 3rd SEPT 1893.

DISTRICTS.

FORECASTS.

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

NW^{ly} winds, light or moderate; fair generally, but perhaps local showers.
 Same as No 5.
 NW^{ly} winds, light; fair generally.

DISTRICTS.

FORECASTS.



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

Same as No 5

NW^{ly} to Variable breezes; 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.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.91	56	49	W	2	0	2	Valencia ...	30.24	64	61	W	3	b m	2
Sumburgh Head	29.73	54	54	W	2	0	3	Scilly ...	30.15	65	60	W	4	b c	3
Stornoway ...	29.92	60	58	W	4	0	4	Jersey ...	30.10	67	62	W	3	b c	3
Aberdeen ...	29.90	62	58	W	4	0	2	Hurst Castle ...	30.07	66	62	W	2	c	1
Shields ...	29.96	63	60	W	2	0	2	Dungeness ...	30.04	65	62	ESE	1	b c	2
Ardrossan ...	30.00	62	60	W	4	0	2	North Foreland ...	30.01	65	60	ESE	1	b	2
Malin Head ...	30.07	60	59	W	4	0	2	London (Westminster)	30.05	63	60	W	1	rgf	*
Mullaghmore								Yarmouth ...	30.04	63	56	SSE	3	b v	2
Belmullet ...	30.19	64	59	W	1	0	*	Rochefort ...	30.06	69	66	W	4	c	*
Holyhead ...	30.11	62	60	W	2	0	2								

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

Weather in morning fine and bright over north Germany, France, Spain, and the greater part of the Mediterranean; dull over the more northern and northwestern countries, with rain at Stockholm, Christiansund and many parts of the United Kingdom, as well as at Cádiz. Considerable rain at Paris later and smaller quantities over the north of our Islands, at Yarmouth, Brussels, Paris, and Munich; and a very slight sprinkling in London.

Temperature fallen over our Islands and Central Europe. Morning readings exceeding 70° over the southern half of the Mediterranean (79° at Palermo and Algiers) and exceeding 60° over southern Europe generally and in some of the western and southern parts of the United Kingdom. Lowest 43° at Archangel and Moscow, 44° at Haparanda and St Petersburg, 46° at Helsingfors and Moscow. Rising later to between 60° and 69° over our Islands generally, scarcely exceeding 60° over Germany, but touching 70° at Paris, 75° at Lorient, 79° at Nice and Lisbon, and 82° at Arles.

Wind mainly NW or N over northern and western Europe and our Islands (but variable in the northeast of Scotland), W to NW over Central Europe, SE over the southern half of Russia. Becoming very variable over England during day.

Barometer highest 30.1 in: and more over Ireland and the extreme southwest of England and neighbouring parts of the Atlantic. Lowest 29.4 in: and less over the northeast of Russia, about 29.5 in: in a "V" stretching thence to western Russia; 29.7 in: and less, in a shallow depression over Slavonia and the north of Turkey, 29.8 in: and less, in another over Corsica and the north of the Mediterranean, and apparently below 30.0 in: in another approaching Crimea from the westward. Little change later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 3rd Sept: 1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.			
Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).	Weather.	Max.	Min.	ins.							
Ins.	°				Ins.	°	°	°													
SCANDINAVIA.	Haparanda ...	29.99	39	Z	0	7	29.93	-0.08	41	38	0	E	2	6	#	6	50	34	-		
	Hernösand ...	29.98	47	N	2	0	29.94	-0.01	45	41	1	NNW	6	6	#	0	54	45	-		
	Stockholm ...	29.96	48	NNW	6	6	29.84	+0.04	48	44	2	NNW	6	0	#	6	52	45	-		
	Wisby ...	29.84	49	NE	6	c	29.82	+0.08	47	43	2	N	6	0	#	e	52	45	0.04		
	Bodö ...	30.05	48	Z	0	6c	29.93	-0.06	46	43	4	E	2	6c	1	6c	55	39	-		
	Christiansund...	30.04	50	W	1	f	30.00	+0.05	51	50	5	SW	3	r	2	f	57	46	0.04		
	Skudesnaes ...	30.06	57	Z	0	0	30.10	+0.17	55	53	1	NNW	4	0	2	0	62	52	-		
	Christiania Fjord (Færder)	29.97	57	W	5	7	30.07	+0.13	51	47	0	N	5	7	1	7	57	51	-		
	Skagen (The Scaw)	29.93	53	N	2	c	29.98	+0.10	58	55	1	NNW	2	7	0	e	59	50	-		
	Fanö ...	30.05	48	Z	0	7	30.09	+0.36	56	52	5	NNW	2	6	#	6	66	43	-		
BRITISH ISLANDS.	Sumburgh Head	30.06	53	NNW	1	0	30.14	+0.21	55	54	4	NNW	1	0	2	0	55	50	0.02		
	Stornoway ...	30.18	60	NN	3	6c	30.24	+0.13	57	55	1	Z	0	0	2	6c	62	53	-		
	Wick ...	30.17	57	NN	3	0	30.24	+0.20	57	56	0	NN	2	0	1	0	60	45	-		
	Nairn ...	30.17	61	W	1	7	30.26	+0.18	54	52	6	WSW	1	0	1	6	65	44	-		
	Aberdeen ...	30.16	59	NNW	2	7	30.27	+0.23	58	52	0	NN	2	6	1	6c	64	48	-		
	Leith ...	30.16	61	NE	3	6	30.27	+0.20	58	55	5	SE	1	0	#	6	73	51	-		
	Shields ...	30.17	59	NE	2	c	30.28	+0.22	58	56	4	W	1	c	2	c	64	50	-		
	Spurn Head ...	30.15	59	NNW	3	0	30.26	+0.23	58	56	3	NN	2	6	3	0	63	53	-		
	York ...	30.18	63	NNW	2	0	30.29	+0.22	59	56	2	NNW	1	c	#	0	68	55	-		
	Loughborough	30.18	65	NN	1	c	30.30	+0.20	56	65	5	NN	1	c	#	c	70	48	-		
GERMANY & HOLLAND.	Ardrossan ...	30.18	63	NNW	3	7	30.24	+0.12	56	55	3	NE	1	c	0	7	66	50	-		
	Malin Head ...	30.21	60	NNW	2	7	30.23	+0.08	58	55	1	S	1	c	0	0.5	62	52	-		
	Mullaghmore ...	30.24	64	NNE	1	6c	30.22	-0.03	65	62	1	NNE	1	7	#	6.6c	68	58	-		
	Belmullet ...	30.23	60	NN	3	7	30.26	+0.08	57	55	2	W	2	6	1	6	66	56	-		
	Donaghadee ...	30.21	61	NNW	3	7	30.28	+0.14	59	56	0	Z	0	0	1	6	64	55	-		
	Liverpool (Bldston)	30.22	60	NN	2	6c	30.28	+0.11	62	59	2	Z	0	6c	0	6c	63	52	-		
	Holyhead ...	30.22	67	Z	0	6c	30.26	+0.01	58	56	3	SE	1	6	#	6c	70	48	-		
	Parsonstown ...	30.24	64	NN	1	6c	30.21	-0.05	63	60	6	SE	3	c	3	6c	66	51	-		
	Valencia ...	30.26	65	S	1	6	30.26	+0.01	63	61	6	SE	2	6	2	6	67	54	-		
	Roche's Point	30.26	65	S	1	6	30.26	+0.01	63	61	6	SE	2	6	2	6	67	54	-		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.22	62	NE	2	6	30.25	+0.05	58	57	4	ENE	2	c	2	6	67	54	0.02		
	Scilly ...	30.27	64	NNE	3	6	30.22	0.00	64	61	2	E	4	6	3	6	66	58	-		
	Prawle Point ...	30.19	64	NNW	1	c	30.25	+0.06	64	61	1	ENE	2	6	1	e	72	55	-		
	Jersey (St. Aubin's)	30.21	67	NNW	3	6	30.26	+0.08	67	62	2	E	3	6c	3	6c	69	56	-		
	Hurst Castle ...	30.16	68	NNW	2	7	30.29	+0.13	59	57	2	NE	2	c	1	6	70	56	-		
	Dungeness ...	30.10	66	N	3	c	30.26	+0.19	59	56	3	N	3	c	2	0.6	69	52	-		
	North Foreland	30.10	64	N	4	c	30.24	+0.21	60	57	2	N	3	0	3	0.6	67	57	-		
	London ...	30.14	66	NNW	2	c	30.29	+0.18	61	58	0	NE	2	6c	#	6.6	71	55	-		
	Oxford ...	30.20	64	NN	1	0	30.29	+0.16	58	56	3	ENE	1	6c	#	0	71	49	-		
	Cambridge ...	30.17	61	N	3	6c	30.25	+0.20	60	57	3	NNW	3	6c	#	6c	68	62	-		
PENINSULA.	Yarmouth ...	30.11	60	NNW	4	c	30.23	+0.22	58	56	1	NNW	3	6c	3	6c	65	55	0.01		
	Cuxhaven ...	29.95	53	ENE	5	7	30.14	+0.35	54	53	2	NNE	1	6	#	6	61	52	0.04		
	Berlin ...	29.90	51	Z	0	6c	30.08	+0.16	46	45	3	NNW	2	6c	#	6	54	43	0.24		
	Wiesbaden ...	#	#	#	#	#	30.17	+0.17	55	51	3	N	1	c	#	#	63	46	0.20		
	Munich ...	30.02	54	W	4	r	30.12	+0.05	51	51	0	W	6	c	#	r	57	48	0.63		
	The Helder ...	30.11	59	NNE	2	c	30.24	+0.13	59	55	1	NNW	1	c	1	c	63	57	0.08		
	Brussels (9 a.m.)	#	#	#	#	#	30.24	+0.23	59	55	1	NE	1	6c	#	0	66	52	0.08		
	Cape Gris Nez	30.09	64	NNE	3	c	30.19	+0.18	60	56	1	NNE	4	c	4	c	66	55	-		
	Paris ...	30.13	65	NN	2	c	30.24	+0.12	57	55	0	N	2	c	#	c	67	52	-		
	Brest ...	?	67	N	2	6	?	?	57	56	2	E	2	6	2	6	73	54	-		
FRANCE AND BELGIUM.	Lorient ...	30.19	68	W	4	6	30.22	+0.01	59	57	3	E	4	6	2	6	72	55	-		
	Rochefort ...	30.13	68	NN	4	6	30.16	+0.02	60	58	0	E	3	6	#	6.6	75	55	-		
	Belfort ...	?	62	W	3	7	?	?	64	55	4	W	3	6c	#	6c	74	57	0.08		
	Lyons ...	30.09	67	NN	2	6c	30.17	+0.04	64	61	2	NNW	2	0	#	6	77	59	-		
	Nice ...	29.86	69	Z	0	7	29.89	-0.04	64	61	2	E	2	6	2	6	83	62	-		
	Perpignan ...	30.06	76	N	4	6	30.10	-0.01	69	58	1	W	3	6	#	6	83	62	-		
	Biarritz ...	30.15	71	NNW	3	6	30.12	-0.01	68	61	1	SE	1	6	0	6	77	61	-		
	Corunna ...	30.03	76	N	5	6	29.97	-0.14	77	65	4	NE	4	6	#	6	88	69	-		
	Lisbon ...	30.03	76	N	5	6	29.97	-0.14	77	65	4	NE	4	6	#	6	88	69	-		

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Sunday, 3rd Sept. 1893.

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:

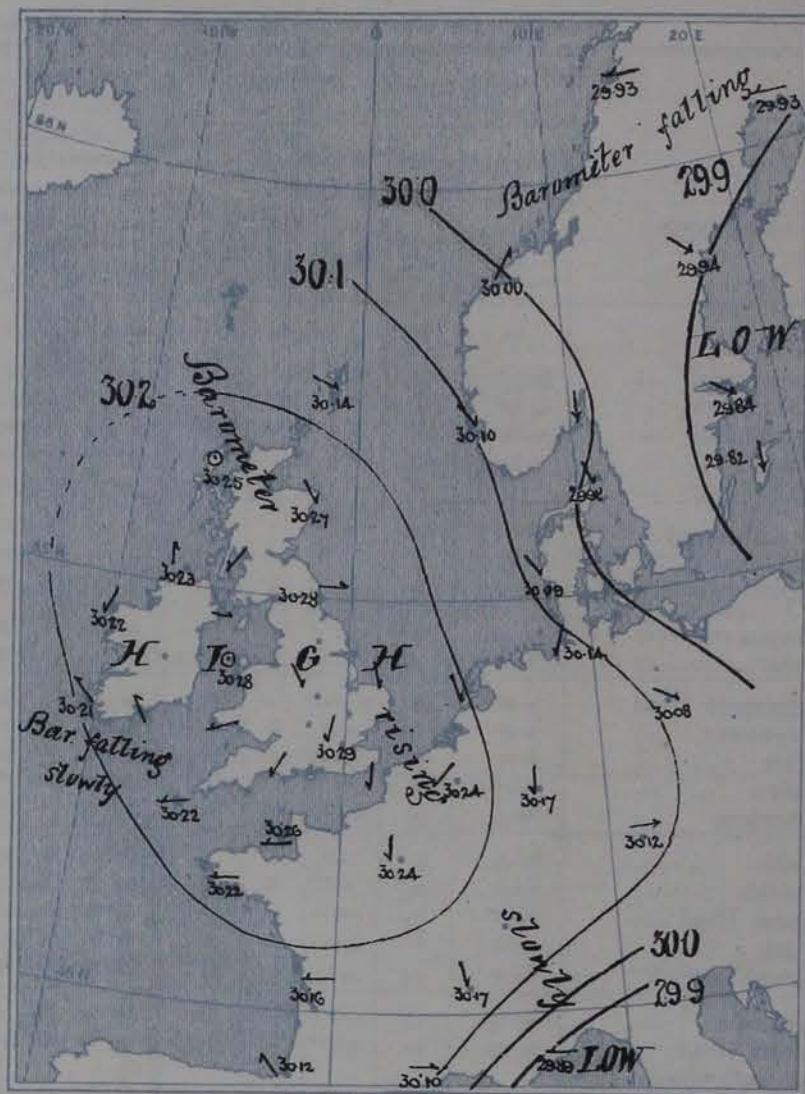
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.950
Ardrossan	29.885
Mullaghmore	29.890
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Silly	29.971
Prawle Point	29.908
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: and upwards in a large anticyclone covering our Islands, the Netherlands, and the northern parts of France.
Lowest, 29.9 in: and less, over the Baltic and also over the Gulf of Genoa.

Gradients slight. Barometer falling slightly in the west of Ireland and also in Sweden and the north of Norway, but rising elsewhere.

TEMPERATURE

Highest, 77° at Lisbon, 69° at Perpignan, 67° at Jersey, 65° at Belmullet and 64° at Lelly, Pauillac, and Nice.
Lowest, (1) 41° at Haparanda 45° at Helsingfors, 46° at Åbo, and 47° at Västerås; (2) 46° at Berlin and 51° at Munich.

The highest maxima registered over our Islands yesterday were 73° at Leth, 72° at Pauillac Point, and 71° in London and at Oxford.

WIND

Light from the End over the Bay of Biscay, and the western part of the Channel and from the SEnd in the south of Ireland.

Calm or variable on our northwest coasts. Light from the NWnd on the east coasts of Great Britain and the eastern shores of the North Sea, and strong from the same quarter in Sweden.

Light from the Nnd over Germany and the eastern and southern parts of France.

WEATHER

Fine over the greater part of Western Europe, but dull in the north of Scotland and west of Norway with rain at Christiania and Rain is also falling at Rangoon.

Slight showers fell yesterday at Lumburg, 11th Pembroke, and Yarmouth, and larger quantities of rain in Germany and the Netherlands.

SEA

Slight or smooth on all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 4th Sept 1893.

DISTRICTS.

FORECASTS.

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

None issued

DISTRICTS.

FORECASTS.

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

None issued

WARNINGS

None issued

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudeanaes ...	30.02	62	54	W	2	c	2	Valencia ...	30.26	64	62	WSW	2	b ^m	2
Sumburgh Head	29.99	54	54	NNW	3	o	3	Scilly ...	30.24	66	62	NNE	1	b	3
Stornoway ...	30.15	62	57	NW	4	c	4	Jersey ...	30.21	68	62	NNW	3	b ^c	3
Aberdeen ...	30.12	61	56	N	5	b ^{cq}	4	Hurst Castle ...	30.17	68	63	N	3	c	2
Shields ...	30.13	62	58	NNW	3	c	2	Dungeness ...	30.08	67	62	N	3	o	2
Ardrossan ...	30.15	65	60	NNW	3	b	2	North Foreland ...	30.07	63	62	N	4	o	3
Malin Head ...	30.21	61	58	NW	3	o	2	London ...	30.12	68	61	WNW	2	c	*
Mullaghmore ...								Yarmouth ...	30.06	64	58	NNW	5	b ^{cq}	4
Belmullet ...	30.27	66	61	N	1	b	*	Rocheport ...	30.15	74	67	WNW	3	b	*
Holyhead ...	30.22	62	59	NNW	3	c	2								

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

Weather in morning fine and bright over the Mediterranean, the Peninsula, Ireland and at the Scandinavian stations, fair generally over France and Great Britain, but dull in places; cloudy or overcast and unsettled over Russia, with rain over the central part, as well as over the Baltic, the Netherlands and at Lumburgh H^d. Considerable rain later over all but the western countries; slight falls at some of the French and English stations.

Temperature showing little change beyond a decided fall over northern and southeastern Europe, and some slight rise over the United Kingdom. Exceeding 70° in the far south, exceeding 60° at several stations in Great Britain, but as low as 41° at Haparanda and Kuopio, 42° at Arkangel; 44° at Kieff and Warsaw. Rising to slightly above 70° in many parts of Great Britain later, to 77° at Trier and Biebrich, 83° at Perpignan, 77° to 80° over Italy, 86° at Palermo and 88° at Lisbon.

Wind NE¹ over Finland, NW¹ light to moderate over the United Kingdom, N¹ in the west of France, NE¹ over Spain; W¹ over Central Europe. Cyclonic circulations over Russia and the southeastern shores of the North Sea. Russian circulation more definite later, that over Holstein moving southwards and partially breaking up. Very little change in our Islands.

Barometer highest 30.2 ins. and more over Ireland, Wales, and Cornwall, with the neighbouring parts of the Atlantic, and exceeding 30.0 ins. over Norway, the North Sea, Spain, France, and south Germany. Lowest 29.4 ins. and less in a depression lying between St. Petersburg and Moscow, and below 29.8 ins. in a secondary over Holstein and neighbouring parts of the North Sea. Both depressions moving southwards later, and the secondary tending to fill up.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Monday, 4th September,

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.	
				Reading at 32° F. and Sea Level.	Dry Bulb.		Direc.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.				Direc.	Force (0 to 12).		Max
		Inch.	°				Inch.	°	°	°							°	inch.		
SCANDINAVIA.	Haparanda ...	29.71	42	W.	2	b	29.48	-1.45	46	46	+ 5	Z	0	0	#	b	55	?	-	
	Hernösand ...	29.85	43	Z	0	b	29.70	-1.24	51	?	+ 6	W	0	0	#	b	61	39	-	
	Stockholm ...	29.87	47	Z	0	b	29.81	-0.03	52	45	+ 4	W	4	0	#	b	54	43	-	
	Wisby ...	29.89	45	N	4	b	29.85	+0.03	51	50	+ 4	W	2	0	#	b	51	41	-	
	Bodö ...	29.62	47	W	4	T	29.44	-1.49	46	45	0	SW	6	0	3	T	54	41	0.59	
	Christiansund...	29.99	51	W	8	0	29.99	-0.01	49	47	- 2	W	8	0	5	0	57	48	0.08	
	Skudesnaes ...	30.12	56	W	4	b	30.10	-0.02	56	52	+ 1	W	4	0	2	b	58	54	-	
	Christiania Fjord (Fæder)	29.92	60	W	4	c	29.91	-0.16	58	53	+ 7	W	4	0	1	c	61	51	-	
	Skagen (The Seaw)	29.95	55	W	2	b	29.93	-0.05	58	55	0	W	3	0	0	b	61	48	-	
	Fanö ...	30.06	57	W	5	c	30.02	-0.07	59	55	+ 3	W	6	0	#	c	60	54	-	
BRITISH ISLANDS.	Sumburgh Head	30.16	54	W	2	c	30.11	-0.03	53	51	- 2	Z	0	0	1	c	57	49	-	
	Stornoway ...	30.21	59	S	2	c	30.10	-1.14	58	57	+ 1	SE	2	0	3	b, c	63	48	0.01	
	Wick ...	30.25	57	W	1	b	30.15	-0.09	57	55	0	S	2	0	0	b	62	45	-	
	Nairn ...	30.21	59	E	1	b	30.14	-0.12	52	51	- 2	Z	0	0	1	b	63	41	-	
	Aberdeen ...	30.25	57	SE	1	c	30.15	-0.12	56	53	- 2	W	1	0	1	c	64	46	-	
	Leith ...	30.22	60	E	1	b	30.17	-0.10	56	54	- 2	Z	0	0	#	b	63	49	-	
	Shields ...	30.26	58	SE	2	c	30.18	-0.10	60	56	+ 2	W	2	0	2	c	66	60	-	
	Spurn Head ...	30.27	59	E	1	b	30.22	-0.04	60	56	+ 2	SE	2	0	2	b	64	55	-	
	York ...	30.27	65	SE	1	b	30.22	-0.07	57	55	- 2	SE	1	0	#	b	70	54	-	
	Loughborough	30.27	66	W	1	b	30.24	-0.06	59	55	+ 3	SE	1	0	#	b	72	54	-	
GERMANY & HOLLAND.	Ardrossan ...	30.22	63	Z	0	b	30.17	-0.07	58	55	+ 2	E	1	0	1	b	64	49	-	
	Malin Head ...	30.18	60	E	3	b	30.11	-0.12	59	57	+ 1	S	3	0	1	b	62	57	-	
	Mullaghmore ...	30.16	65	W	1	c	30.10	-0.12	62	59	- 3	W	1	0	#	b	70	55	-	
	Belmullet ...	30.25	58	SE	4	b	30.18	-0.08	56	56	- 1	W	2	0	1	b	62	56	-	
	Donaghadee ...	30.26	64	W	1	b	30.19	-0.09	63	58	+ 4	W	1	0	1	b	67	55	-	
	Holyhead ...	30.25	62	W	1	b	30.19	-0.09	63	61	+ 1	Z	0	0	0	b	65	55	-	
	Parsonstown ...	30.19	69	Z	0	b	30.15	-0.11	60	59	+ 2	SE	1	0	#	b	69	53	-	
	Valencia ...	30.16	67	SE	3	b	30.10	-0.11	66	62	+ 3	SE	3	0	2	b	72	60	-	
	Roche's Point	30.22	62	SE	3	c	30.17	-0.09	64	62	+ 1	SE	3	0	3	b	66	59	-	
	Pembroke (St. Ann's Hd.)	30.22	64	S	1	b	30.19	-0.06	61	59	+ 3	SE	3	0	2	b	67	58	-	
FRANCE AND BELGIUM.	Scilly ...	30.24	65	SE	4	b	30.11	-0.11	65	61	+ 1	SE	5	0	3	b	71	61	-	
	Prawle Point ...	30.25	60	E	3	b	30.19	-0.06	63	60	- 1	E	5	0	4	b	68	58	-	
	Jersey (St. Aubin's)	30.24	68	E	3	b	30.19	-0.07	65	60	- 2	E	3	0	3	b	72	57	-	
	Hurst Castle ...	30.27	64	SW	2	c	30.24	-0.05	59	57	0	E	2	0	1	c	70	51	-	
	Dungeness ...	30.24	64	E	3	b	30.23	-0.03	60	58	+ 1	W	3	0	2	b	66	50	-	
	North Foreland	30.25	61	E	3	0	30.22	-0.02	61	60	+ 1	W	2	0	2	b	64	58	0.02	
	London ...	30.27	65	E	2	c	30.26	-0.03	61	57	0	E	1	0	#	b	71	46	-	
	Oxford ...	30.27	63	E	1	b	30.25	-0.04	57	54	- 1	SE	1	0	#	b	69	49	-	
	Cambridge ...	30.28	63	W	1	0	30.26	-0.02	56	55	- 4	W	1	0	#	0	71	47	-	
	Yarmouth ...	30.25	61	W	3	c	30.24	+0.01	58	55	0	W	1	0	2	c	64	49	-	
PENINSULA.	Cuxhaven ...	30.18	59	W	3	b	30.12	-0.02	59	56	+ 5	W	5	0	#	b	62	54	-	
	Berlin ...	30.10	55	Z	0	b	30.07	-0.01	55	53	+ 9	W	3	0	#	b	61	46	-	
	Wiesbaden ...	?	?	?	?	?	30.23	+0.06	55	53	0	E	1	0	#	?	61	52	-	
	Munich ...	30.25	52	Z	0	c	30.26	+0.14	50	48	- 1	S	1	0	#	?	59	43	-	
	The Helder ...	30.28	59	W	2	c	30.26	+0.02	59	55	0	W	2	0	1	c	61	57	-	
	Brussels (9 a.m.)	?	?	?	?	?	30.25	+0.01	56	55	- 3	W	1	0	#	0	66	49	-	
	Cape Gris Nez	30.19	63	W	4	b	?	?	60	56	0	SE	1	0	1	?	66	57	0.04	
	Paris ...	30.23	65	W	2	b	30.23	-0.01	51	49	- 6	W	1	0	#	b	71	46	-	
	Brest ...	?	65	W	2	b	?	?	60	56	+ 3	SE	3	0	3	b	81	54	-	
	Lorient ...	30.17	71	W	1	b	30.12	-0.10	58	54	- 1	E	4	0	2	b	75	57	-	
PENINSULA.	Rochefort ...	30.08	74	E	2	b	30.05	-0.11	56	53	- 4	E	4	0	#	b	91	52	-	
	Belfort ...	?	60	W	3	b	?	?	61	58	?	W	4	0	#	b	66	41	-	
	Lyons ...	30.13	63	W	1	b	30.15	-0.02	52	47	- 7	W	1	0	#	b	71	47	-	
	Nice ...	29.90	68	SE	2	b	30.02	+0.13	67	62	+ 3	E	4	0	2	b	77	63	-	
	Perpignan ...	29.99	77	W	2	b	30.06	-0.04	61	57	- 8	Z	0	0	#	b	84	54	-	
	Biarritz ...	30.04	72	E	5	b	29.95	-0.17	59	56	- 4	E	2	0	1	b	75	55	-	
	Corunna ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	-		
	Lisbon ...	29.91	78	W	3	b	29.92	-0.05	71	69	- 6	S	3	0	#	b	88	70	-	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Monday 4th Sept 1893.

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:

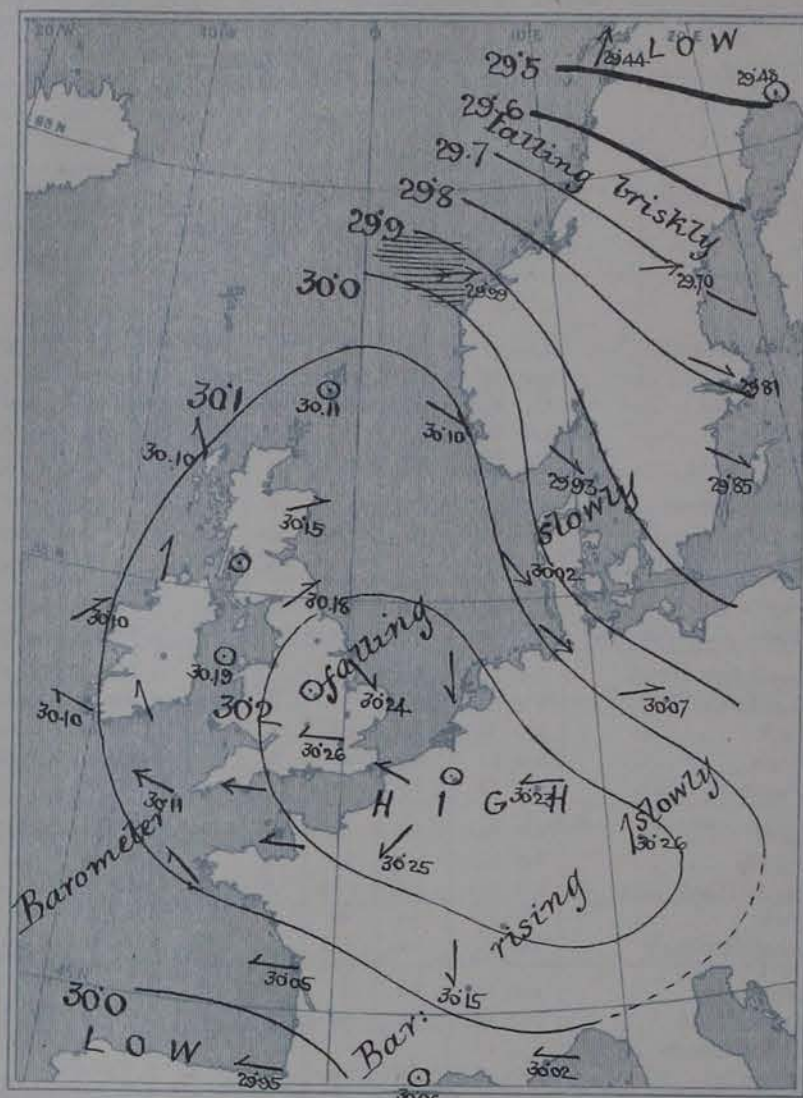
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrossan	29.885
Mullaghmore	29.890
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Scilly	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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.

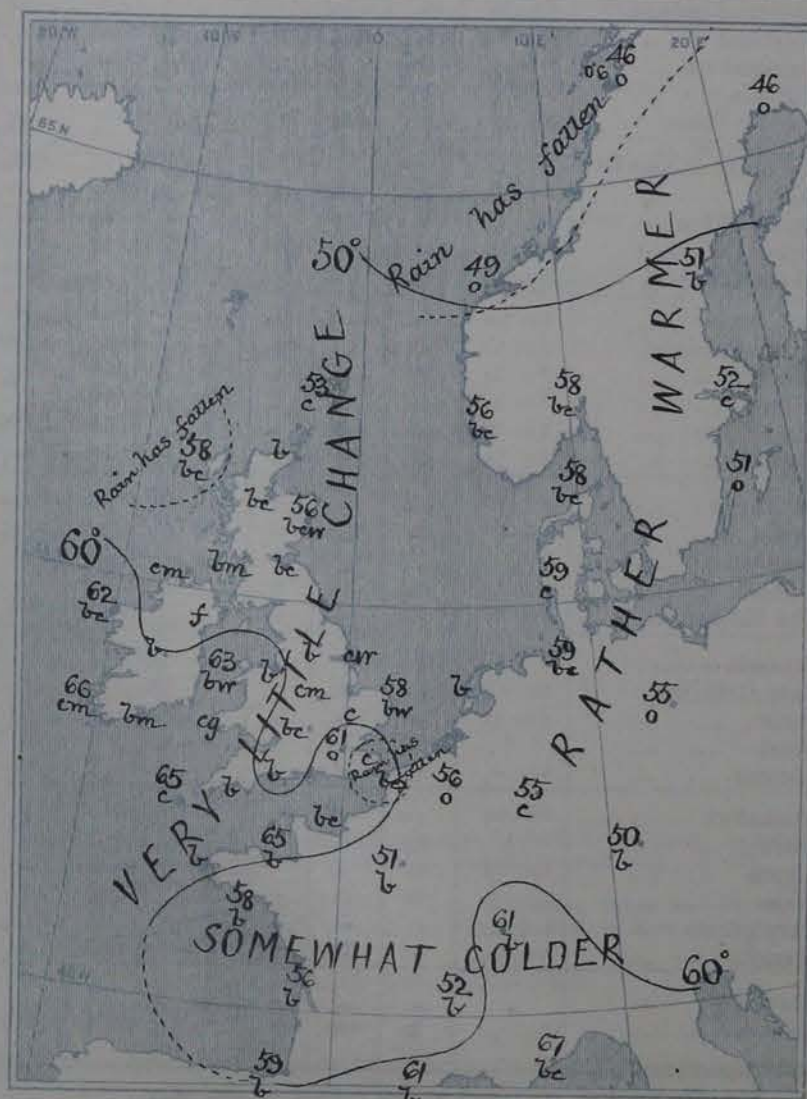
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	56.0	46.1	50.8	49.1	3.32
Stornoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.5	51.9	50.0	2.53
Nairn	59.2	46.5	51.3	48.9	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.97
Leith	61.9	47.5	53.2	50.8	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	55.5	53.8	2.92
York	62.9	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.70
Ardrossan	59.6	49.4	53.5	51.4	3.07
Mullaghmore	60.2	50.9	54.0	51.6	4.95
Donaghadee	59.6	49.2	53.6	52.3	3.04
Holyhead	60.7	52.0	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.30
Parsonstown	61.5	47.4	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	60.1	53.0	55.1	53.9	3.58
Scilly	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	63.4	54.9	59.9	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	3.91
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	60.4	49.6	55.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.66
Cambridge	65.6	48.1	54.6	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.91

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 in: and upwards in an anticyclone lying over South Germany, the Netherlands, the northeast of France and the greater part of England.
Lowest, 29.5 in: and less, over the northern parts of Scandinavia.

Gradients slight generally, but rather steep over the west of Norway.

Barometer rising over South Germany and the eastern and central parts of France, but falling elsewhere — briskly in the north of Scandinavia.

TEMPERATURE

Highest, (1) 71° at Lisbon, 67° at Nice, and 61° at Perpignan; (2) 66° at Valencia (Ireland), and 65° at Lill and Jersey.

Lowest (1) 46° at Hafnarvanda and Böð, 48° at Christiansund, and 51° at Helsingør and Vebby; (2) 50° at Munich, 56° at Paris, and 52° at Lyons; (3) 52° at Skövde and 53° at Lumburg Head.

In the course of yesterday the thermometer rose to between 70° and 72° in many parts of England and Ireland.

WIND

E over France and the south of England, light or moderate in force generally, but fresh over the eastern part of the Channel.

Light from the SE^{ly} in the south of Ireland, from the S^{ly} on our extreme northwestern and northern coasts, and from the SW^{ly} in the northeast of Britain.

Strong from the W^{ly} or SW^{ly} in the west of Norway, with a gale at Christiansund; moderate to fresh from the NW^{ly} over Denmark and the south of Scandinavia.

WEATHER

Fine over the greater part of Western Europe, but dull in London, at Brussels, and Berlin, as well as over the northern parts of Scandinavia.

Light rain fell yesterday at Tromsø, the North Orkney and Cape Fin Vig, and a considerable quantity (0.6 in.) at Böð.

SEA

Slight or smooth generally, but rather rough at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is moving slowly southwards, but there are at present no indications of the advance of any depression towards our Islands, and fair weather is therefore likely to continue in most districts.

FORECASTS

For the 24 hours ending at NOON on 5th SEPT: 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

S^{ly} and SW^{ly} winds, light; fair generally.

1 SCOTLAND
EAST

Light breezes, chiefly SW^{ly}; fine generally.

2 ENGLAND
N.E.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

5 ENGLAND
SOUTH

Light breezes, chiefly E^{ly}; fine generally.

6 SCOTLAND
WEST

7 ENGLAND
N.W.

8 ENGLAND
S.W.

9 IRELAND
NORTH

10 IRELAND
SOUTH

Variable or SE^{ly} airs; fair generally.

E^{ly} and SE^{ly} winds, moderate; fair generally.

SE^{ly} and S^{ly} winds, 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.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.11	58	55	N.W.	6	c	2	Valencia ...							
Sumburgh Head								Scilly ...							
Stornoway ...	30.24	63	57	S	2	bc	2	Jersey ...	30.26	71	62	E.N.E.	3	b	3
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	30.25	66	61	E.N.E.	4	b	3
Ardrossan ...								North Foreland ...	30.24	64	59	N.E.	2	b	3
Malin Head ...	30.21	61	58	E	3	b	1	London ...							*
Mullaghmore ...								Yarmouth ...							
Belmullet ...	30.20	70	64	SW	1	b	#	Rochefort ...	30.16	86	70	E	3	b	*
Holyhead ...	30.27	63	59	N.E.	1	b	1								

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

Weather in morning fine generally over the greater part of the Mediterranean, southern and western Europe, including the British Islands, but hazy at many of our own stations; cloudy or overcast elsewhere, rainy at Christiansund, as well as over the south of Finland and the Baltic Provinces. Rain falling later in the north of Norway, and slight showers at Stornoway, the north Foreland and Cape Gris Nez; weather fine elsewhere, but cloudy in the southeast of England.

Temperature still exceeding 70° in the far south, and exceeding 60° over southern Europe generally, and at some stations in the British Islands; much lower over northern and eastern Europe, and as low as 41° at Archangel and Haparanda, 45° at Hernösand and Helsingfors, 48° at Stockholm, Riga, Moscow and Kharkov. Slightly exceeding 70° later in many parts of England and at Paris, and touching 81° at Brest, 84° at Perpignan, 88° at Lisbon.

Wind very light and anticyclonic over the British Islands, North Sea and greater part of France; cyclonic N^W to NW² over Finland, the Baltic and ^{neighbouring} Provinces, NW² to W² over Germany, W² to S² over southern and central Russia. A separate cyclonic circulation over the northern half of the Mediterranean and Italy. Blowing freshly from N. at Biarritz later, but no decided change elsewhere.

Barometer highest 30.2 ins. and more in an anticyclone covering the United Kingdom and northern half of France, and exceeding 30.0 ins. over the whole of western Europe. Lowest about 29.3 ins. in a depression having its centre a little to the south-eastern part of St. Petersburg; and below 29.9 ins. in another over the northern parts of the Mediterranean and Italy; gradients steep over the Baltic. Falling a little over western Europe later, little change elsewhere.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 27TH AUG. TO 2ND SEPT. 1893

During the greater part of this week the weather over the British Islands and their neighbourhood was influenced by a large anticyclone, the central portion of which lay off our Atlantic coasts. The winds were therefore NW² or W² in the northern districts, and N² or NE² in the southern part of the Kingdom, with fair dry weather in most places, and with a rather low temperature, especially in the north.

On the 31ST, however, shallow depressions were formed over various parts of Great Britain, so that the winds became rather variable, while unsettled weather set in on all but our south-west coasts. The rainfall was in most cases slight, but on the night of the 31ST as much as 0.9 inch was recorded at Dungeness, the air over the south-east of England being at the time exceedingly dull, gloomy and close.

By the close of the week the small depressions had all disappeared, and the anticyclone in the west was spreading eastwards over the entire Kingdom. Fair, dry weather was therefore again settling in very generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on TUESDAY, 5TH SEPTEMBER, 1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.			
Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.	Max.	Min.								
Inch.	°			Inch.	°	°	°	°				°	ins.								
SCANDINAVIA.																					
Haparanda ...	29.42	42	SW	2	0	29.54	+0.6	42	41	-4	NE	4	0	*	0	55	49	0.95			
Hernösand ...	29.62	50	W	6	6	29.60	-1.0	48	48	-3	W	4	0	*	6	59	48	—			
Stockholm ...	29.75	51	2	0	6	29.72	-0.9	50	44	-2	NW	2	6	*	6	59	41	—			
Wisby ...	29.82	50	N	2	6	29.75	-1.6	51	48	0	N	2	6	*	6	59	48	—			
Bodö ...	29.60	47	NW	4	0	29.60	+1.6	46	45	0	S	4	7	2	0	48	48	0.20			
CHRISTIANIA.																					
Christiansund...	29.93	48	SW	4	7	29.65	-2.4	48	47	-1	ESE	3	7	4	7	50	46	0.87			
Skudesnaes ...	29.04	54	NW	2	7	29.72	-3.7	58	57	+2	W	2	0	2	0.7	52	52	—			
Christiania Fjord (Færder)	29.85	59	NW	4	6	29.71	-2.0	58	58	0	SW	6	0	2	6	66	55	—			
Skagen (The Scaw)	29.85	56	NW	3	6	29.80	-1.3	56	55	-2	NW	4	0	2	6	66	55	—			
Fanø ...	29.04	57	NW	6	6	29.99	-2.0	59	58	0	NW	5	0	*	6	64	58	—			
SCOTLAND.																					
Sumburgh Head	29.01	55	S	1	6	29.78	-2.3	55	55	+2	W	2	7	3	6	59	52	0.01			
Stornoway ...	29.99	64	S	4	6	29.81	-2.9	60	58	+2	SW	4	0	4	6	66	58	0.01			
Wick ...	29.14	58	S	2	6	29.86	-2.9	60	59	+3	S	1	6	0	6	65	49	—			
Nairn ...	29.02	66	2	0	6	29.86	-2.8	62	59	+10	NW	1	6	1	6	71	50	—			
Aberdeen ...	29.04	59	SW	1	6	29.89	-2.6	62	58	+6	SW	1	6	1	6	66	49	—			
ENGLAND.																					
Leith ...	29.06	61	W	1	6	29.94	-2.3	60	56	+4	NW	2	6	1	6	72	49	—			
Shields ...	29.08	63	2	0	6	29.97	-2.1	57	54	-3	SW	1	6	2	6	67	49	—			
Spurn Head ...	29.11	62	SE	4	6	29.04	-1.8	60	56	0	S	2	6	2	6	65	54	—			
York ...	29.10	67	SW	1	6	29.03	-1.9	54	52	-3	S	1	6	*	6	74	50	—			
Loughborough	29.13	71	2	0	6	29.06	-1.8	52	52	-6	SE	1	6	*	6	77	48	—			
IRISH ISLANDS.																					
Ardrossan ...	29.06	63	S	1	6	29.94	-2.3	59	58	+1	S	1	6	1	6	69	53	—			
Malin Head ...	29.00	67	S	2	6	29.88	-2.3	58	56	-1	S	2	0	2	6	69	56	—			
Mullaghmore ...	29.98	69	SW	1	6	29.87	-2.3	62	59	0	SW	2	0	*	6	72	53	—			
Belmullet ...	29.08	63	S	3	7	29.96	-2.2	56	56	0	S	3	6	1	7	65	54	—			
Donaghadee ...	29.10	65	NW	1	6	29.99	-2.0	57	54	-6	SE	2	6	2	6	70	51	—			
BRITISH ISLANDS.																					
Liverpool (Bidston)	29.10	62	2	0	6	29.98	-2.1	63	60	0	ESE	1	6	1	6	69	53	—			
Holyhead ...	29.06	66	2	0	6	29.94	-2.1	57	56	-3	SE	1	6	*	6	72	53	—			
Parsonstown ...	29.00	67	SE	3	6	29.92	-1.8	62	62	-3	SE	2	6	2	6	72	59	—			
Valencia ...	29.05	64	SE	4	6	29.92	-2.4	63	61	-1	SE	2	0	3	6	66	60	—			
Roche's Point	29.09	63	SE	3	6	29.96	-2.3	63	60	+2	SE	4	6	4	6	69	59	—			
Pembroke (St. Ann's Hd.)	29.05	64	ESE	5	6	29.92	-1.9	65	62	0	ESE	4	6	3	6	69	60	—			
Scilly ...	29.08	59	E	5	6	29.98	-2.1	62	60	-1	E	2	6	2	6	66	58	—			
Prawle Point ...	29.03	67	ESE	4	6	29.97	-2.2	65	59	0	ESE	2	6	1	6	72	57	—			
Jersey (St. Aubin's)	29.13	62	ESE	3	6	29.92	-2.2	63	61	+4	ESE	2	6	1	6	69	58	—			
Hurst Castle ...	29.13	63	E	2	6	29.92	-2.0	64	60	+4	SE	1	6	1	6	68	57	—			
Dungeness ...	29.14	61	E	2	6	29.95	-1.7	63	57	+2	SE	2	6	3	6	65	58	—			
North Foreland	29.15	63	E	2	6	29.96	-2.0	56	54	-3	ESE	1	6	*	6	72	48	—			
London ...	29.13	61	ESE	1	6	29.93	-1.9	55	54	-7	ESE	1	6	*	6	63	48	—			
Oxford ...	29.14	63	ESE	1	6	29.97	-1.9	55	57	-4	ESE	1	6	*	6	75	44	—			
Cambridge ...	29.17	61	SE	2	6	29.92	-1.7	59	56	+1	2	0	6	2	6	68	50	—			
Yarmouth ...	29.17	61	SE	2	6	29.92	-1.7	59	56	+1	2	0	6	2	6	68	50	—			
GERMANY & HOLLAND.																					
Cuxhaven ...	29.14	58	NW	2	6	29.98	-1.0	58	55	-1	NW	2	6	*	6	61	55	—			
Berlin ...	29.06	59	W	2	0	29.98	-1.0	58	55	0	W	4	6	*	6	61	54	0.04			
Wiesbaden ...	29.22	57	E	2	6	29.15	-0.8	51	49	-4	NW	2	6	*	6	64	48	—			
Munich ...	29.22	57	E	2	6	29.15	-1.1	49	48	-1	E	1	6	*	6	59	49	—			
The Helder ...	29.22	59	NW	1	6	29.14	-1.2	56	54	-3	SW	1	6	1	6	63	48	—			
FRANCE AND BELGIUM.																					
Brussels (9 a.m.)	29.12	62	E	2	6	29.93	-1.5	59	53	+3	ESE	1	6	*	6	65	48	—			
Cape Gris Nez	29.11	67	NE	2	6	29.94	-1.9	52	50	+1	NE	1	6	*	6	74	47	—			
Paris ...	29.11	71	2	0	6	29.94	-1.9	63	56	+3	E	2	6	2	6	79	54	—			
Brest ...	29.99	76	E	2	6	29.90	-2.2	59	52	+1	E	4	6	2	6	81	57	—			
Lorient ...	29.99	76	E	2	6	29.90	-2.2	59	52	+1	E	4	6	2	6	81	57	—			
PENINSULA.																					
Rochefort ...	29.91	77	E	4	6	29.87	-1.8	52	58	+6	ESE	2	6	*	6	82	53	—			
Belfort ...	29.91	77	E	4	6	29.87	-1.8	52	58	+6	ESE	2	6	*	6	82	53	—			
Lyons ...	29.02	70	N	1	6	29.06	-0.9	63	58	+11	SE	1	6	*	6	77	52	—			
Nice ...	29.06	69	SW	2	6	29.12	+1.0	66	62	-1	2	0	6	1	6	75	63	—			
Perpignan ...	29.01	69	E	2	6	29.00	-0.6	66	63	+5	NW	2	6	*	6	75	58	—			
Biarritz ...	29.84	85	E	2	6	29.85	-1.0	77	66	+18	S	4	0	0	6	95	2	0.08			
PENINSULA.																					
Corunna ...	29.91	71	NW	4	6	29.91	-0.1	72	67	+1	NW	4	6	*	6	79	70	—			
Lisbon ...	29.91	71	NW	4	6	29.91	-0.1	72	67	+1	NW	4	6	*	6	79	70	—			

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Tuesday, 5th Sept 1893.

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:

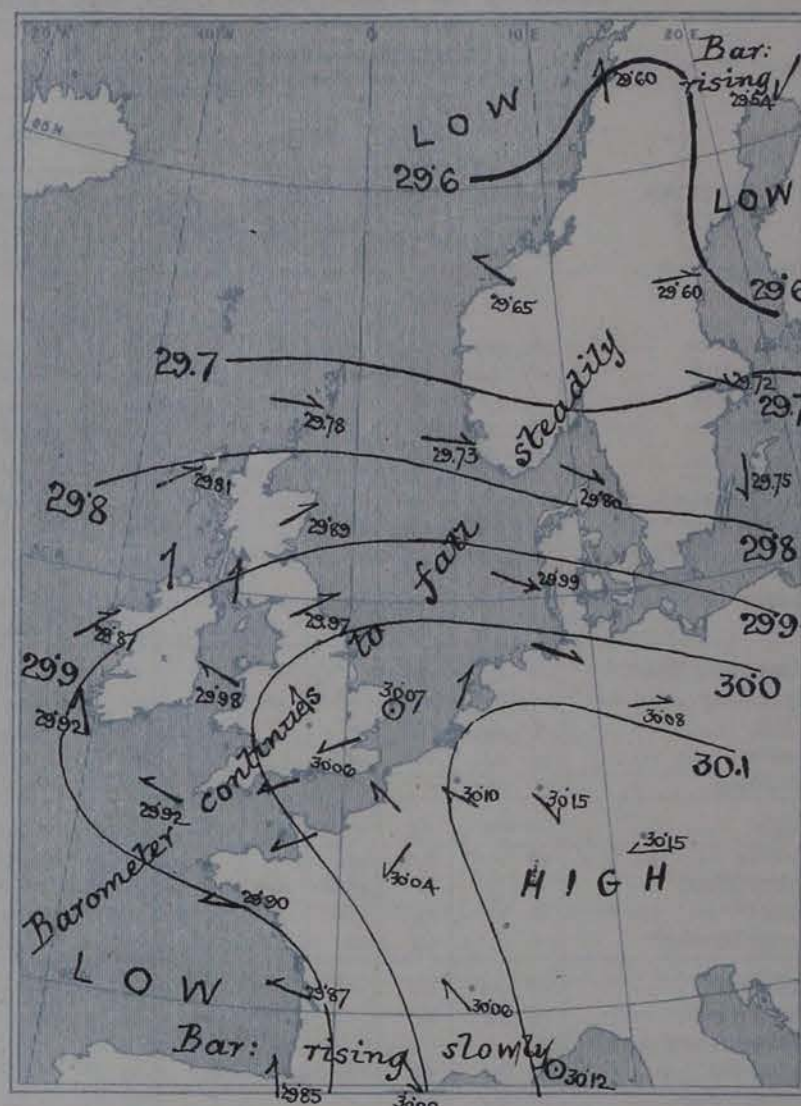
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of September.

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrossan	29.885
Mullaghmore	29.810
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.940
Pembroke	29.948
Silly	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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.

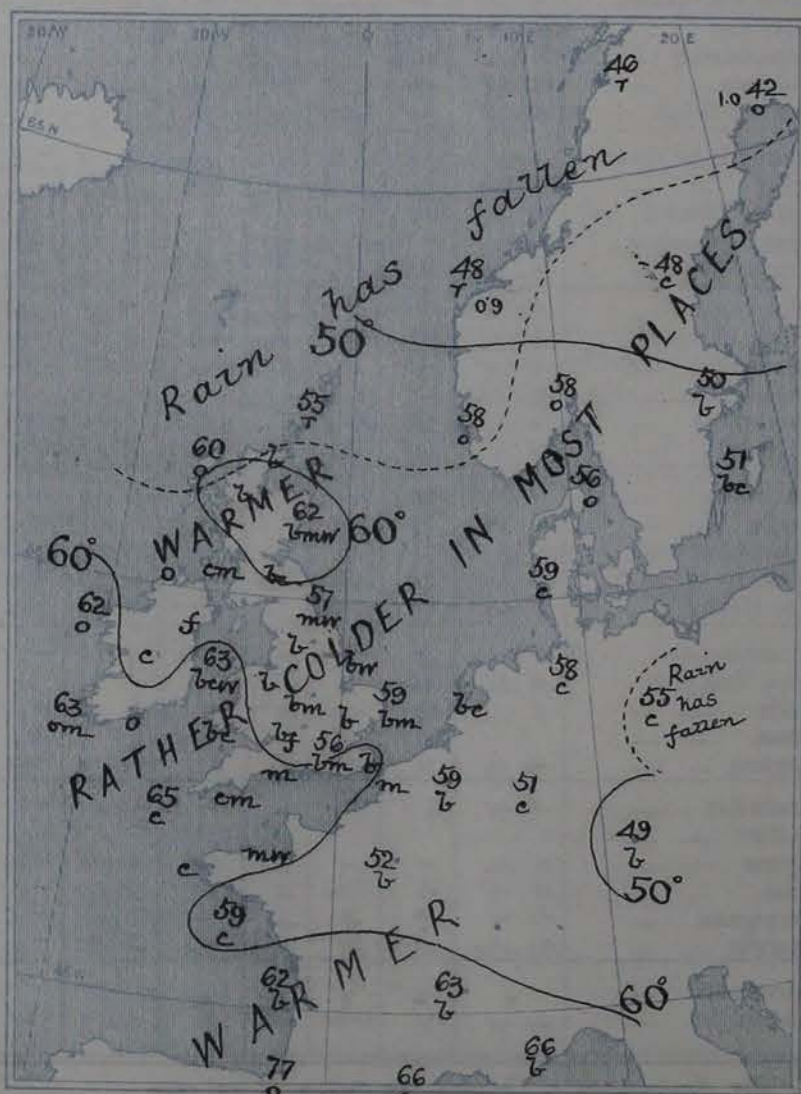
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	55.0	46.1	50.8	49.1	3.32
Stornoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.5	51.9	50.0	2.53
Nairn	59.2	46.5	51.3	48.9	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.97
Leith	61.9	47.5	53.2	50.8	2.34
Shields	58.8	48.8	53.1	51.9	2.50
Spurn Head	60.4	52.7	55.5	53.8	2.92
York	62.9	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.76
Ardrossan	59.6	49.4	53.5	51.4	3.07
Mullaghmore	60.2	50.9	54.0	51.6	4.95
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.0	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.39
Parsonstown	61.3	47.4	55.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	60.1	53.0	56.1	53.9	3.58
Silly	61.8	51.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	65.4	54.8	59.9	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.04
LONDON	66.4	49.6	55.8	53.5	2.35
Oxford	64.0	48.0	54.0	52.1	2.06
Cambridge	65.6	48.1	54.6	53.0	2.26
Yarmouth	62.1	51.4	56.3	51.4	2.01

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins: and upwards over Germany, the Netherlands, and the southeast of France.
 Lowest, 29.6 ins: and less, over the northern parts of Scandinavia.
 Gradients slight. Barometer falling at all but the southern French stations, — most on our extreme northern coasts.

TEMPERATURE

Highest, (1) 77° at Biarritz, 72° at Lisbon, 66° at Nice and Perpignan, and 65° at Kelly and Jersey; (2) 62° at Aberdeen.
 Lowest, (1) 42° at Haparanda, 46° at Bodö, 48° at Hemmäsund and Christiansund, and 50° at Stockholm; (2) 49° at Munich and 51° at Wiesbaden.
 The highest maxima registered over our Islands yesterday were 77° at Loughborough, 75° at Cambridge, and 74° at York.

WIND

Light to moderate from the E^{se} or SE^{se} over France and the south of our Islands, and from the S^{se} or SW^{se} on our northern coasts.
 Light to fresh from the W^{se} over Denmark, North Germany and south of Scandinavia; variable over the northern parts of Scandinavia.

WEATHER

Fine over the greater part of Western Europe, but foggy or hazy at many of the English and Scotch stations, and dull in Ireland and the extreme north of Scotland, with rain at Loughborough H^{se}, as well as in the west of Norway.
 Heavy rain fell yesterday at some of the Scandinavian stations, and slight amounts are measured this morning in the Shetlands and Hebrides, as well as at Berlin and Biarritz.

SEA

Slight or smooth on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Depressions are apparently beginning to approach our extreme northern coasts, so that a gradual change in the weather will probably take place over our Islands. The eastern and southern parts of the Kingdom are not likely to be affected just at present.

FORECASTS

For the 24 hours ending at NOON on 6th September. 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | SW ^{se} and W ^{se} winds, freshening; dull, some rain. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | SW ^{se} winds, light or moderate; fine generally. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | E ^{se} and SE ^{se} winds, light; fine generally. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|---|
| 6 | SCOTLAND WEST | S ^{se} winds, moderate; fair to cloudy and showery. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | SE ^{se} winds, moderate; fair generally. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | SE ^{se} and S ^{se} winds, moderate; dull, rain locally. |
| | | |

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	30.10	56	51	NW	4	0	2	Valencia ...	30.05	71	66	SE	4	bey	4
Sumburgh Head ...	30.05	55	51	NW	1	c	2	Scilly ...	30.08	67	61	ESE	5	b	3
Stornoway ...	30.04	66	63	SE	4	c	4	Jersey ...	30.12	72	63	NE	4	b	2
Aberdeen ...	30.10	63	59	ESE	1	8	1	Hurst Castle ...	30.18	65	61	SE	2	b	2
Shields ...	30.14	65	60	E	2	m	2	Dungeness ...	30.20	66	61	E	1	c	1
Ardrossan ...	30.12	67	61	2	0	bm	0	North Foreland ...	30.20	64	62	E	2	b	2
Malin Head ...	30.08	67	61	2	2	c	0	London (Westminster) ...	30.19	68	59	E	2	c	*
Mullaghmore ...	30.05	70	65	2	1	8	*	Yarmouth ...	30.21	63	58	ESE	2	b	2
Belmullet ...	30.05	70	65	2	1	8	*	Rochefort ...	29.97	65	61	E	4	b	*
Holyhead ...	30.17	68	62	2	2	8	1								

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

Weather fine in nearly all the western and southern countries, but dull in Portugal and the northwest of Spain. Dull over the greater part of Russia, Germany, and the north of Scandinavia, with rain at St. Petersburg, Riga and Kiev. Heavy rain falling during day at some of the Scandinavian stations, but weather remaining fine in nearly all parts of our Islands and France.

Temperature changed little and irregularly. Morning readings ^{highest} 81° at Nice, 80° at Palma, 78° at Oran, and 77° at Algiers; above 70° in the south of Italy and also on the coast of the Iberian Peninsula. Lowest 34° at Archangel, 40° at Uleaborg, 44° at Kuopio, 45° at Helsingfors, and 46° at Åbo and Moscow, below 50° in Poland, and below 55° over Austria and Central France, as well as in the north of Scotland. Rising during day to 70° or more in several parts of the United Kingdom, and reaching 75° at Cambridge and 77° at Loughborough; exceeding 80° in the west of France, and reaching 95° at Biarritz.

Wind light to fresh from the E. over France, the north of Spain and the south of England, light from the SE. in the south of Ireland, from the S. on our extreme northwestern and northern coasts, and from the SW. in the northeast of Great Britain. W. or NW. over the greater part of Scandinavia, Denmark, Germany, Austria, and the west of Russia; strong in force at some of the Swedish and Norwegian stations, with a gale at Christiansund. N. (NE to NW) in Italy. Variable in Algeria and the south of Spain. No important change occurring during day.

Barometer highest 30.1 in. to 30.3 in. in a large anticyclone covering our Islands, the North Sea, Germany, the Netherlands, and the greater part of France. Lowest 29.5 in. and less, over the north of Scandinavia, and also in a small depression lying near Moscow, 29.8 in. and less, in a shallow system off the northwest of Spain. General fall of barometer taking place over Western Europe during day, anticyclone moving southeastwards and becoming gradually reduced both in size and height.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 6th September,

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.	
				Reading at 32° F. and Sea Level.	Dry Bulb.		Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.				Dirac.	Force (0 to 12).		Max.
		Inch.	°				Inch.	°	°	°							°	ins.		
SCANDINAVIA.	Haparanda ...	29.61	40	Z	0	0	29.67	+13	42	41	0	E	4	0	#	0	48	39	-	
	Hernösand ...	29.61	43	Z	0	0	29.70	+10	45	42	-3	W	2	0	#	0	55	43	0.12	
	Stockholm ...	29.62	50	Z	0	0	29.75	+05	46	45	-4	Z	0	0	#	0	57	43	-	
	Wisby ...	29.62	55	S	2	0	29.73	-02	54	53	+3	NE	2	0	#	1	57	46	0.12	
	Bodö ...	29.63	43	Z	0	0	29.66	+06	45	44	-1	E	2	0	#	0	50	37	-	
	Christiansund...	29.75	44	N.E.	3	0	29.65	-00	47	46	-1	E.N.E.	3	0	#	0	52	45	0.16	
	Skudesnaes ...	29.74	57	W	1	0	29.62	-11	58	56	0	SSW	2	0	#	0	60	54	-	
	Christiania Fjord (Færdler)	29.61	64	W	4	0	29.68	-03	54	51	-4	E	4	0	#	0	64	54	-	
	Skagen (The Scaw)	29.65	58	W	6	0	29.67	-13	59	57	+3	W	5	0	#	0	63	55	-	
	Fanö ...	29.86	59	W	5	0	29.75	-24	59	57	0	W	4	0	#	0	64	59	-	
ISLANDS.	Sumburgh Head	29.70	57	Z	0	0	29.51	-27	55	54	0	W	1	0	#	0	60	52	0.23	
	Stornoway ...	29.68	57	SW	5	0	29.58	-23	58	57	-2	W	4	0	#	0	61	50	0.30	
	Wick ...	29.75	60	W	1	0	29.62	-24	58	55	-2	W	1	0	#	0	70	50	0.04	
	Nairn ...	29.71	60	SW	1	0	29.62	-24	59	56	-3	SW	1	0	#	0	70	50	0.03	
	Aberdeen ...	29.73	65	SW	3	0	29.65	-24	60	54	-2	SW	2	0	#	0	70	52	-	
	Leith ...	29.80	63	W	2	0	29.70	-24	59	55	-1	SW	5	0	#	0	72	52	-	
	Shields ...	29.82	67	SW	2	0	29.75	-22	61	55	+4	W	2	0	#	0	73	55	-	
	Spurn Head ...	29.87	63	S	3	0	29.79	-25	62	58	+2	W	2	0	#	0	68	58	-	
	York ...	29.86	68	WSW	1	0	29.78	-25	62	60	+8	WSW	2	0	#	0	74	53	-	
	Loughborough	29.89	69	SW	1	0	29.84	-22	56	54	+3	SW	1	0	#	0	77	50	-	
BRITISH ISLANDS.	Ardrossan ...	29.80	61	SW	2	0	29.73	-21	60	58	+1	SW	3	0	#	0	66	57	0.08	
	Malin Head ...	29.78	60	W	3	0	29.73	-15	58	55	0	SW	4	0	#	0	66	56	0.06	
	Mullaghmore ...	29.85	63	W	3	0	29.75	-12	60	58	-2	SW	2	0	#	0	64	58	0.11	
	Belmullet ...	29.84	60	SSW	3	0	29.79	-17	57	56	+1	WSW	3	0	#	0	67	54	0.01	
	Donaghadee ...	29.88	64	W	1	0	29.80	-19	60	58	+3	SSW	1	0	#	0	71	57	-	
	Holyhead ...	29.88	63	SW	2	0	29.82	-16	60	58	-3	W	1	0	#	0	67	58	-	
	Parsonstown ...	29.86	67	W	1	0	29.83	-11	56	55	-1	SW	1	0	#	0	68	52	-	
	Valencia ...	29.92	62	W	2	0	29.83	-09	60	59	-3	SSE	2	0	#	0	69	51	-	
	Roche's Point	29.91	65	SSE	3	0	29.86	-07	60	57	-3	N	1	0	#	0	68	58	-	
	Pembroke (St. Ann's Hd.)	29.90	63	SE	1	0	29.84	-12	62	61	-1	SSW	2	0	#	0	67	59	-	
GERMANY & HOLLAND.	Scilly ...	29.89	65	SE	3	0	29.86	-06	65	63	0	WSW	1	0	#	0	69	59	-	
	Prawle Point ...	29.90	62	E	2	0	29.88	-10	65	61	+3	E	1	0	#	0	68	55	-	
	Jersey (St. Aubin's)	29.87	75	NE	2	0	29.88	-09	68	65	+3	ESE	1	0	#	0	77	61	0.11	
	Hurst Castle ...	29.91	67	SSE	2	0	29.87	-15	60	58	-3	NNE	2	0	#	0	74	52	-	
	Dungeness ...	29.89	66	E	3	0	29.84	-19	64	60	0	SW	3	0	#	0	68	52	-	
	North Foreland	29.89	64	ESE	2	0	29.81	-24	66	63	+3	W	2	0	#	0	66	55	-	
	London ...	29.89	71	WSW	2	0	29.87	-19	63	57	+7	Z	0	0	#	0	77	51	-	
	Oxford ...	29.90	60	SSW	1	0	29.85	-20	57	54	+5	S	1	0	#	0	75	49	-	
	Cambridge ...	29.91	68	S	1	0	29.83	-24	59	57	+7	S	1	0	#	0	77	50	-	
	Yarmouth ...	29.92	63	SSE	3	0	29.82	-25	61	58	+2	W	2	0	#	0	65	55	-	
FRANCE AND BELGIUM.	Cuxhaven ...	30.05	58	W	1	0	29.82	-30	53	52	-5	SSW	2	0	#	0	63	58	-	
	Berlin ...	30.03	56	Z	0	0	29.90	-18	51	48	-4	SE	2	0	#	0	63	46	-	
	Wiesbaden ...	30.12	58	SE	2	0	29.93	-22	54	53	+3	Z	0	0	#	0	68	45	-	
	Munich ...	30.12	58	SE	2	0	30.07	-08	61	56	+12	S	3	0	#	0	68	48	-	
	The Helder ...	29.99	60	NW	1	0	29.86	-28	57	56	+1	S	1	0	#	0	64	52	-	
	Brussels (9 a.m.)	29.86	64	NE	1	0	29.86	-17	63	60	+8	E	1	0	#	0	73	57	-	
	Cape Gris Nez	29.89	72	E	1	0	29.93	-11	60	58	+8	SE	2	0	#	0	81	52	0.44	
	Paris ...	29.88	72	NE	2	0	29.89	-01	58	55	-5	WSW	1	0	#	0	86	55	0.04	
	Brest ...	29.84	71	Z	0	0	29.89	-01	64	63	+5	S	2	0	#	0	82	59	-	
	Lorient ...	29.86	76	SW	3	0	29.93	+06	68	67	+6	SSW	4	0	#	0	82	62	0.16	
PENINSULA.	Belfort ...	29.86	62	W	3	0	29.91	-05	59	54	+6	W	3	0	#	0	85	50	-	
	Lyons ...	29.96	74	S	4	0	30.01	-05	69	62	+6	S	3	0	#	0	83	63	-	
	Nice ...	30.10	67	SE	2	0	30.11	-01	64	59	-2	Z	0	0	#	0	77	59	-	
	Perpignan ...	30.01	71	E	2	0	30.02	+02	70	67	+4	W	2	0	#	0	81	64	-	
	Biarritz ...	29.86	73	NE	2	0	30.02	+17	69	67	-8	NW	2	0	#	0	81	66	0.28	
	Corunna ...	30.01	71	E	2	0	30.02	+02	70	67	+4	W	2	0	#	0	81	64	-	
	Lisbon ...	30.01	71	E	2	0	30.02	+02	70	67	+4	W	2	0	#	0	81	64	-	
	Algarve ...	30.01	71	E	2	0	30.02	+02	70	67	+4	W	2	0	#	0	81	64	-	
	Seville ...	30.01	71	E	2	0	30.02	+02	70	67	+4	W	2	0	#	0	81	64	-	
	Madrid ...	30.01	71	E	2	0	30.02	+02	70	67	+4	W	2	0	#	0	81	64	-	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Wednesday, 6th Sept. 1893.

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 6 to 7; — forces 1 to 4.

— dead calm.

SEA DISTURBANCE—Where considerable, it is shown thus—

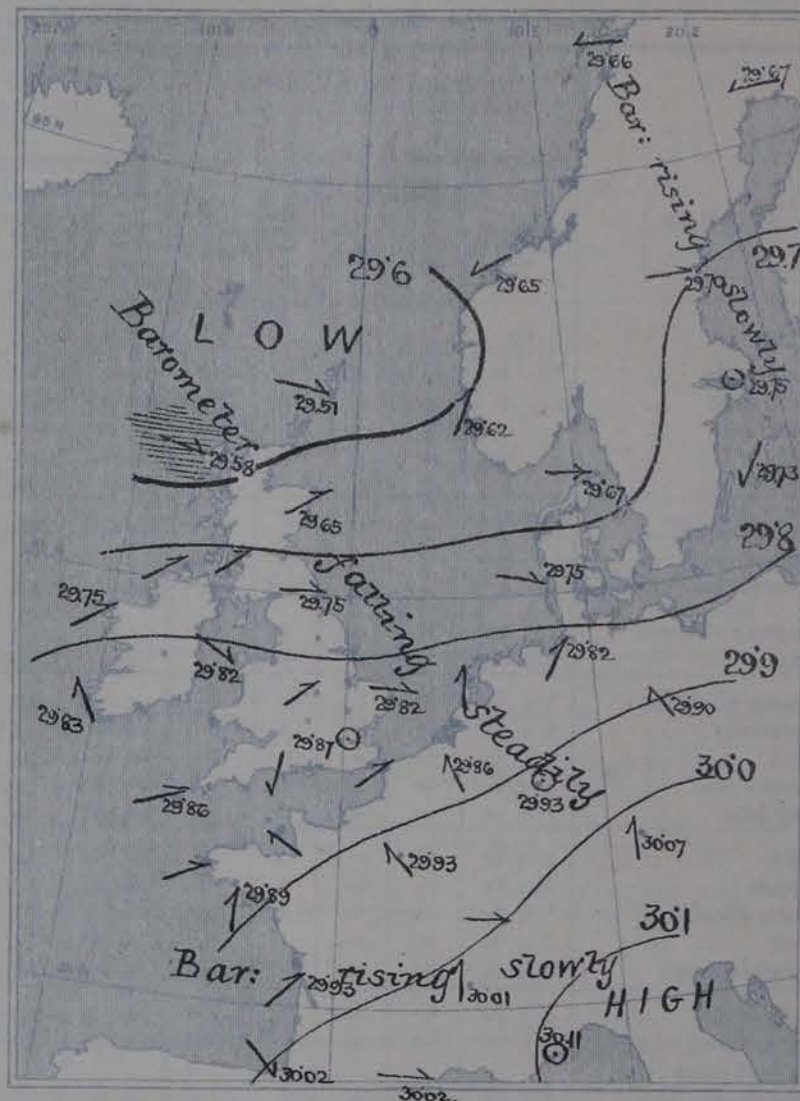
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

in 8 a.m. for the month of September.

During the 20 Years 1871-1890.

STATIONS.	MEAN READINGS.
Samburgh Head	29.707
Stormway	29.815
Wick	29.820
Nairn	29.843
Aberdeen	29.878
Leith	29.881
Shields	29.903
Spurn Head	29.920
York	29.939
Loughborough	29.950
Artesian	29.885
Mullingham	29.890
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Sully	29.971
Prawle Point	29.908
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in: and upwards in the southeast of France.
 Lowest, 29.6 in: and less, in a large shallow depression lying to the northward of our Islands.
 Gradients slight. Barometer falling at all but the French and Swedish stations.

TEMPERATURE

Highest, 70° at Besençon, 69° at Lyons and Biarritz, 68° at Jersey and Rochefort, and 66° at the North Foreland.
 Lowest, 42° at Harpenden, 45° at Bodø, 46° at Hemmeland and Stockholm 47° at Christiansund, 51° at Berlin, and 53° at Cuxhaven.
 During yesterday the thermometer rose to between 75° and 77° over central and southern parts of England.

WIND

Light to moderate from the SW^W or W^W in all the more northern parts of the United Kingdom and also on the eastern shores of the North Sea.
 Variable in the south of England, light from the S^W or SE^W over the greater part of France, Germany, and the Netherlands.
 Light or moderate from the E^W over the northern parts of Scandinavia.

WEATHER

Fair or fine over the greater part of Western Europe, but dull at some English and Irish stations, with rain at Belmullet and passing showers at Malin Head.
 In the course of the past 24 hours rain has fallen in the extreme north and northwest of our Islands, thunderstorms have occurred in the Channel Islands and the coast of France, and lightning has been seen at Tilly. Solar halos were observed yesterday over the south of England.

SEA

Smooth generally, but rather rough at Hornøya.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general appearance is much less settled than of late. Over the south of England there are some indications of the formation of small shallow depressions, so that local thunderstorms are not improbable.

FORECASTS

For the 24 hours ending at NOON on 7th September, 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

SW^W winds, light; fair to cloudy and showery.
 Variable breezes, finally SW^W; fair at first, doubtful later, probably local thunderstorms.

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

Same as No 0 to 2
 SW^W winds, light; cloudy, some showers, thunder locally.
 S^W and SW^W winds, light or moderate; cloudy, unsettled, some rain.

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER. Dry.	Wet.	WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.												
Skudesnaes ...	24.76	60	58	W	2	om	2	Valencia ...	29.91	69	65	S	2	cm	2
Sumburgh Head ...	29.75	59	57	WSW	1	o	2	Scilly ...	29.90	69	66	ESE	4	c	3
Stornoway ...	29.74	61	59	SW	6	o	5	Jersey ...	29.91	76	64	E	3	b	3
Aberdeen ...	29.78	70	62	ESE	1	b	1	Hurst Castle ...	29.94	72	65	ESE	3	bcm	1
Shields ...	29.86	70	60	SSW	2	cm	2	Dungeness ...	29.96	67	62	E	1	b	0
Ardrossan ...	29.84	66	64	S	1	c	2	North Foreland ...	29.96	65	64	SE	2	b	3
Malin Head ...	29.80	64	58	S	4	o	2	London (Westminster) ...	29.94	75	63	ESE	1	bc	3
Mullaghmore ...	29.85	62	60	rtw	2	o	2	Yarmouth ...	29.98	65	59	SSE	3	b	3
Belmullet ...	29.82	66	61	SW	3	bc	2	Rochefort ...	29.88	78	71	ESE	3	c	*
Holyhead ...	29.92	66	61	SW	3	bc	2								

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

Weather in morning fine and bright over southern Europe, the Mediterranean, France, and England, cloudy or overcast in most other places, rainy in the northwest of Norway and the Shetlands. Rain later (1) in several parts of Scandinavia, Scotland and the north of Ireland; (2) at Jersey and in the north and west of France, thunder and lightning in the Channel Islands, and at several French stations. Appearance of sky very unsettled for a time in south of England.

Temperature in morning highest 70° to 79° on the coasts of the Peninsula and the southern half of the Mediterranean, and exceeding 60° on the southern and western coasts of the Continent and British Isles generally. Lowest 42° at Archangel and Haparanda, 46° at Rode, 48° at Christiansund, Herösand, Petersburg, Moscow, Kharkov, and Kiev. Rising later to between 70° and 77° in many parts of Great Britain to 81° at Paris, and to between 80° and 86° in many other parts of France.

Wind very light and anticyclonic over Central and Southern Europe; light to moderate from the E² over the Bay of Biscay, the Channel and south of England, SE³ to S² in the other part of our Islands, W³ in the Shetlands, and NW³ on the eastern shores of the North Sea and over the Baltic. Becoming more W² in the north and west of our Islands later.

Barometer highest 30.1 ins. and more to 30.0 ins. in an anticyclone covering the whole of the Mediterranean and central Europe. Lowest 29.5 ins. and less, over all the northern half of Russia, and below 29 ins. over the Bay of Biscay. Some local disturbances over the Channel and southeast of England later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on THURSDAY, 7th SEPTEMBER, 1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom.	Temp.	Wind.		Weather.	Barometer.	SHADE TEMP.			Wind.		Weather.	Sea (0 to 9).	SHADE TEMP.					
				Reading at 32° F. and Sea Level.	Dry Bulb.			Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.			Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Max.
		Inch.	°				Inch.												Inch.	
SCANDINAVIA.	Haparanda ...	29.72	42	2	0	0	29.63	-0.4	41	40	-1	E	2	0	#	0	52	39	—	
	Hernösand ...	29.69	47	2	0	0	29.43	-2.7	48	47	+2	ESE	4	7	#	0	53	36	0.35	
	Stockholm ...	29.67	51	SE	2	0	29.46	-2.9	55	56	+11	SE	2	0	#	0	57	48	0.04	
	Wisby ...	29.69	53	ESE	2	6	29.56	-1.7	55	54	+2	SE	4	0	#	6	55	53	0.12	
	Bodö ...	29.60	47	E	2	6	29.40	-1.8	48	43	+3	E	4	6	2	6	52	37	—	
	Christiansund...	29.43	48	SE	1	7	29.40	-2.5	49	48	+2	2	0	7	1	7	54	47	0.24	
	Skudesnaes ...	29.56	57	W	2	0	29.47	-1.5	58	57	0	W	1	0	2	0	54	—	—	
	Christiania Fjord (Frier)	29.52	57	W	2	m	29.45	-2.3	57	53	+2	W	5	bc	2	m	57	54	0.20	
	Skagen (The Seaw)	29.58	58	W	2	bc	29.52	-1.5	58	56	-1	WSE	2	bc	1	bc	64	53	—	
	Fanö ...	29.68	60	WSE	4	0	29.54	-2.1	57	54	-2	W	2	c	#	0	66	57	0.16	
BRITISH ISLANDS.	Sumburgh Head	29.46	53	W	2	c	29.35	-1.6	53	53	0	W	2	c	3	c	60	51	0.02	
	Stornoway ...	29.52	55	SE	2	7	29.46	-1.2	56	53	-2	W	2	c	3	bc	62	50	0.06	
	Wick ...	29.54	58	W	2	bc	29.47	-1.5	56	55	-2	WSE	2	0	1	bc	66	52	0.07	
	Nairn ...	29.54	58	W	1	0	29.47	-1.5	53	53	-4	2	0	7	1	0	66	52	0.24	
	Aberdeen ...	29.57	61	WSE	2	c	29.48	-1.7	53	53	-5	W	1	c	1	bc	67	52	0.06	
	Leith ...	29.62	61	SE	2	0	29.50	-2.0	56	53	-3	SE	2	c	#	0	68	53	0.10	
	Shields ...	29.67	60	WSE	2	7	29.58	-2.2	61	58	0	WSE	2	0	2	c	68	54	0.16	
	Spurn Head ...	29.69	64	2	0	0	29.61	-1.8	62	60	+1	W	4	bc	#	0	70	57	0.15	
	York ...	29.70	63	W	1	0	29.60	-1.8	63	60	+1	W	4	c	#	0	70	58	0.04	
	Loughborough	29.71	64	W	1	0	29.70	-1.4	62	59	+7	W	4	c	#	0	77	56	0.09	
GERMANY & HOLLAND.	Ardrossan ...	29.61	57	SE	2	7	29.55	-1.8	59	57	-1	W	2	c	2	0	61	54	0.27	
	Malin Head ...	29.53	54	2	4	0	29.56	-1.7	59	57	+1	W	5	bc	3	0	60	54	0.25	
	Mullaghmore ...	29.51	61	SE	4	0	29.71	-0.4	61	58	+1	W	2	bc	#	0	62	58	0.21	
	Belmullet ...	29.63	56	2	4	7	29.61	-1.8	60	58	+2	WSE	5	c	3	7	65	53	0.23	
	Donaghadee ...	29.63	56	2	4	7	29.61	-1.8	60	58	+2	WSE	5	c	3	7	65	53	0.23	
	Liverpool (Bidston)	29.68	61	2	0	7	29.67	-1.3	61	58	+1	W	5	0	3	7	64	56	0.09	
	Holyhead ...	29.69	58	SE	4	7	29.70	-1.2	60	58	0	W	4	bc	3	0	66	54	0.15	
	Parsonstown ...	29.59	59	W	1	0	29.77	-0.6	58	56	+2	SE	1	0	#	0	62	53	0.24	
	Valencia ...	29.67	64	SE	3	0	29.89	+0.6	61	59	+1	WSE	4	bc	#	0	65	57	0.07	
	Roche's Point	29.68	64	SE	5	7	29.90	+0.4	60	57	0	WSE	2	bc	3	7	65	56	0.00	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.70	59	SE	4	7	29.82	-0.2	61	59	-1	WSE	4	c	5	7	65	58	0.16	
	Scilly ...	29.82	65	WSE	5	omp	29.90	+0.4	63	60	-2	WSE	5	c	3	omp	72	61	0.05	
	Prawle Point ...	29.82	65	WSE	2	c	29.87	-0.1	63	62	-2	WSE	2	omp	2	c	69	60	0.07	
	Jersey (St. Aubin's)	29.89	67	WSE	2	bc	29.93	+0.3	66	64	-2	WSE	2	omp	4	bc	74	64	0.04	
	Hurst Castle ...	29.81	65	SE	4	c	29.81	-0.6	66	65	+6	W	5	bc	3	c	72	60	0.02	
	Dungeness ...	29.79	66	SE	2	c	29.77	-0.7	65	65	+1	W	6	0	5	c	72	62	—	
	North Foreland	29.70	69	SE	2	c	29.71	-1.0	64	64	+2	W	5	0	5	bc	70	60	0.03	
	London ...	29.75	72	SE	2	c	29.75	-1.2	66	64	+2	W	1	0	#	bc	71	61	0.01	
	Oxford ...	29.76	63	WSE	2	7	29.75	-1.0	65	64	+1	WSE	2	c	#	0	70	56	0.01	
	Cambridge ...	29.71	71	SE	1	0	29.70	-1.8	66	63	+7	WSE	4	7	#	0	70	57	0.06	
PENINSULA.	Yarmouth ...	29.72	70	SE	2	bc	29.66	-1.6	65	63	+4	W	4	c	3	bc	70	60	0.03	
	Cuxhaven ...	29.81	59	W	2	0	29.67	-1.5	59	58	+6	SE	2	0	#	0	66	52	0.04	
	Berlin ...	29.81	62	2	0	bc	29.74	-1.6	60	59	+9	SE	3	0	#	bc	72	51	—	
	Wiesbaden ...	29.81	62	2	0	#	29.88	-0.5	62	61	+7	2	0	0	#	bc	70	48	0.16	
	Munich ...	29.86	60	2	0	7	29.84	-0.3	64	60	+3	SE	6	0	#	7	57	55	0.04	
	The Helder ...	29.79	62	SE	1	c	29.68	-1.8	63	61	+6	WSE	5	0	3	c	66	53	—	
	Brussels (9 a.m.)	29.82	60	2	0	#	29.82	-0.4	60	59	-3	SE	2	7	#	bc	70	59	0.16	
	Cape Gris Nez	29.78	65	W	1	0	29.75	-1.1	65	61	+2	WSE	5	0	5	0	72	61	—	
	Paris ...	29.88	72	W	2	bc	29.97	+0.4	62	57	+2	SE	2	0	#	bc	70	60	0.04	
	Brest ...	29.82	65	W	1	bc	29.97	+0.4	64	63	+6	WSE	2	c	3	bc	70	57	0.04	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Thursday, 7th Sept. 1893.

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:

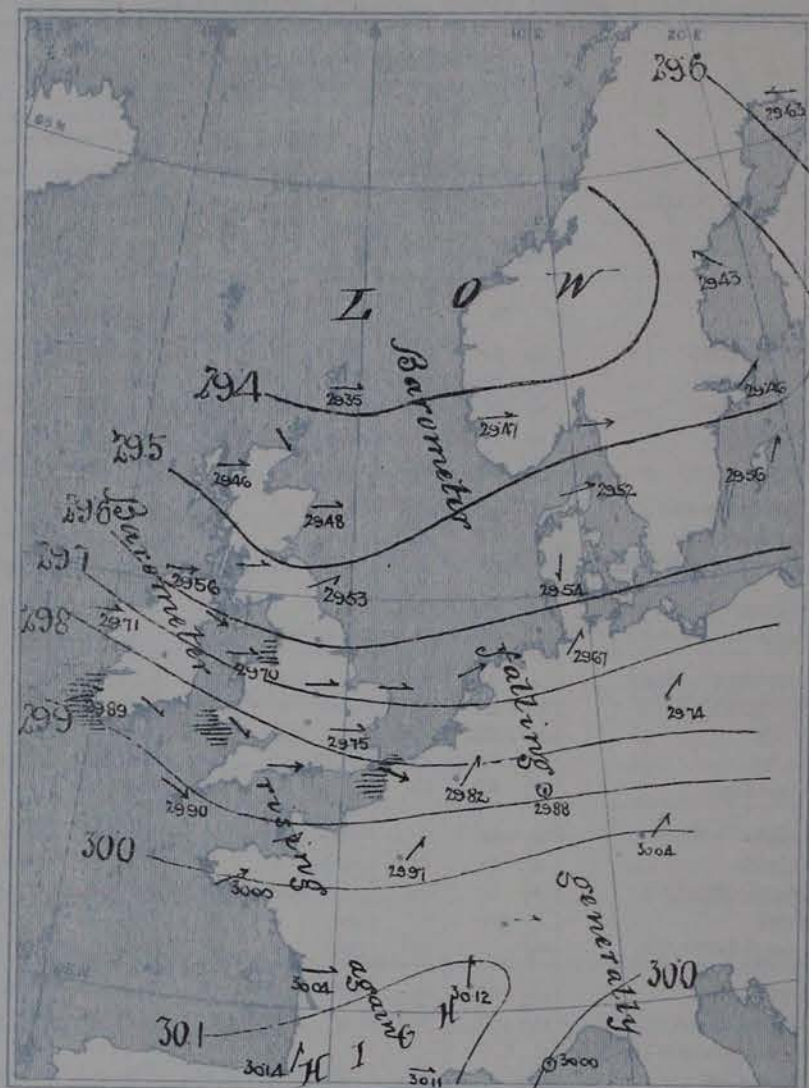
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Samburgh Head	29.707
Stornoway	29.815
Wick	29.829
Nairn	29.849
Aberdeen	29.858
Leith	29.881
Shields	29.908
Spurn Head	29.929
York	29.930
Loughborough	29.950
Ardrossan	29.885
Mullaghmore	29.896
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Seilly	29.971
Prawle Point	29.988
Jersey	29.988
Hurst Castle	29.990
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.949



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 September.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Dry Day	Wet	
Samburgh Head	55.0	40.1	50.8	40.1	3.32
Stornoway	56.2	45.8	51.4	50.1	4.10
Wick	57.7	46.5	51.9	50.0	2.63
Nairn	59.2	46.5	51.8	48.9	2.68
Aberdeen	59.2	46.7	52.1	49.7	2.97
Leith	61.0	47.5	53.2	50.8	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.1	52.7	55.5	53.8	2.02
York	62.0	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.76
Ardrossan	59.6	49.4	53.5	51.4	3.07
Mullaghmore	60.2	50.9	54.0	51.6	4.06
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.6	55.7	53.5	3.23
Liverpool	61.2	50.8	54.6	51.9	3.30
Parsonstown	61.5	47.1	53.0	51.1	3.16
Valencia	64.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	60.1	53.0	56.1	53.0	3.58
Seilly	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	63.4	54.8	59.9	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	64.4	49.5	55.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.65
Cambridge	65.6	48.1	54.6	53.0	2.28
Yarmouth	62.1	51.4	56.3	54.4	2.91

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in: and more to 30.0 in: over the Spanish Peninsula and the southern half of France.
 Lowest, 29.4 in: and less, over the Shetland Isles and the west of Norway.
 Gradient moderate, and mainly favourable for W. winds.
 Barometer rising decidedly in the west, slightly in the south.

TEMPERATURE

Highest, 71° at Belfast, 70° at Perpignan, 66° in London, 62° at Paris.
 Lowest, 41° at Haparanda, 48° at Helsingfors, 55° at Åkern and Abisko.
 The maxima recorded yesterday were as high as 81° in London, 80° at Cambridge, 78° at Oxford, 80° at Paris, 83° at Lyons, and 85° at Perpignan.

WIND

W. over our Islands generally — moderate to fresh in force; SW. moderate over Central Europe,
 SSW over the Baltic; E. over the northern half of Scandinavia.

WEATHER

Fine at our southwestern stations, cloudy elsewhere, with showers in several parts of Scotland and the east of England.
 Showers have fallen very generally, but the amounts have been small except in the southwest of Ireland; in the south of England they have been very small. Lightning was seen in the southeast.

SEA

Moderate in the southeast and south, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It is possible that the local disturbances in the southeast may cause some slight showers over England today, and that in the north the showers will be more general. On the whole however, fine weather is probable in this country.

FORECASTS

For the 24 hours ending at NOON on 8th Sept: 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

1 SCOTLAND
EAST

2 ENGLAND
N.E.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

5 ENGLAND
SOUTH

W. breezes, moderate; some
showers, bright intervals.

Same as No 5

Same as Nos 0 to 2.

W. breezes, fresh to moderate; very
slight showers, bright intervals.

6 SCOTLAND
WEST

7 ENGLAND
N.W.

8 ENGLAND
S.W.

9 IRELAND
NORTH

10 IRELAND
SOUTH

NW and W breezes; some showers.

Same as No 5

NW to SW breezes, moderate; some
showers.

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND	F.	WEA.	SEA.		BAR.	THER.		WIND	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.57	60	57	W	4	o	2	Valencia ...	29.68	62	62	S	5	7m	5
Sumburgh Head ...	29.47	60	57	W	1	c	1	Scilly ...	29.87	69	65	W S W	4	o	2
Stornoway ...	29.55	60	59	SW	4	bc	4	Jersey ...	29.88	72	65	W S W	2	bc	2
Aberdeen ...	29.59	61	57	W S W	2	bc	1	Hurst Castle ...	29.84	72	65	SW	2	bc	1
Shields ...	29.70	61	57	NNE	2	c	2	Dungeness ...	29.82	69	65	W S W	2	c	2
Ardrossan ...	29.69	61	58	SW	2	o	2	North Foreland ...	29.78	71	69	S	1	bc	2
Malin Head ...	29.63	57	55	S	4	at	2	London ...	29.78	70	62	W	1	bc	2
Mullaghmore ...								Yarmouth ...	29.77	70	62	W	2	bc	1
Belmullet ...	29.57	59	58	S	4	om	*	Rochefort ...	29.95	77	72	W	1	bc	*
Holyhead ...	29.77	62	58	SW	2	og	1								

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

Weather in morning fair or fine over the greater part of our Islands, but dull at some of the English and Irish stations, and raining on our extreme northwest coasts. Fine and bright over the Continent generally, but overcast in Spain, the south of Sweden and the extreme north of Russia, with rain at Uleaborg. Dull, rainy weather setting in later over the western parts of our Islands, and spreading quickly to nearly all parts of Western Europe. A thunderstorm occurring at Lyons and lightning seen at the North Foreland.

Temperature changed very irregularly. Morning readings highest 81° at Palma, Algiers and La Calle, 79° at Barcelona, 76° at Sfax, and 77° at Oran; above 70° at most of the Mediterranean stations and also on the coasts of the Spanish Peninsula. Varying between 60° and 68° over the eastern and southern part of England. Lowest 37° at Archangel, 41° at Uleaborg and Moscow, and 44° at Khio and Helmingfors. Raining during day to between 75° and 80° in many parts of England, and reaching 81° in London, 83° at Lyons, and 85° at Perpignan. Increasing night very warm over the south of England.

Wind light to moderate from the W or SW in all the more northern parts of the United Kingdom and also on the eastern shore of the North Sea. Variable in the south of England, S or SE over France, Germany, and the Netherlands. Light N over the northern part of Russia, but W in the south of that country, variable over southern Europe and the Mediterranean. SW gales setting in later over the whole of the United Kingdom, and blowing freshly on our southwest coasts.

Barometer highest 30.1 ins. and upwards in an anticyclone lying over Italy and the greater part of southeastern Europe. Lowest 29.6 ins. and less, in two large shallow depressions one lying to the northward of our Islands, and the other over the north of Russia. Small secondary disturbances appearing later off the northwest of Ireland, and barometer falling rather decidedly on our western and southern coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Friday, 8th September,

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.		
Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Max.	Min.								
Ins.	°			Ins.	°	°	°				°	ins.								
Haparanda ...		29.45	44	Z	0	r	29.32	-31	44	43	+3	E	2	0	#	r	50	34	0.08	
Hernösand ...		29.41	47	Z	0	o	29.27	-16	49	48	+1	S	2	r	#	o	50	43	0.20	
Stockholm ...		29.42	54	Z	0	b	29.37	-09	57	55	0	WSW	2	0	#	b	63	50		
Wisby ...		29.49	56	SW	4	o	29.49	-07	55	54	-2	SSW	4	c	#	o	61	52	0.08	
Bodö ...		29.39	46	E	4	c	29.37	-11	45	43	-3	Z	0	c	o	c	50	39		
Christiansund...		29.41	49	Z	0	r	29.39	-01	46	45	-3	Z	0	b	1	r	52	43	0.16	
Skudesnaes ...		29.50	55	W	3	o	29.39	-08	55	52	-3	W	4	o	3	r, o	59	52		
Christiania Fjord (Færd)		29.40	60	SSW	7	bc	29.37	-08	57	53	0	W	6	c	3	bc	60	57		
Skagen (The Scaw)		29.48	58	W	3	o	29.46	-06	58	56	0	W	3	o	1	o	64	54	0.08	
Fanö ...		29.59	60	W	6	c	29.58	+04	60	58	+3	W	6	c	#	c	63	57		
Sumburgh Head		29.36	51	WNW	1	c	29.50	+15	50	47	-5	N	3	b	3	c	56	45	0.02	
Stornoway ...		29.47	53	SE	2	o	29.53	+07	53	51	-3	NE	5	o	5	o	59	49	0.72	
Wick ...		29.50	52	W	2	bc	29.51	+04	51	50	-5	NE	2	r	2	bc	61	49	0.55	
Nairn ...		29.49	58	Z	0	r	29.48	+01	53	52	-2	WNW	2	o	1	r	63	47	0.39	
Aberdeen ...		29.51	58	WSW	1	cp	29.48	-00	57	52	+2	W	2	bc	1	cp	62	48	0.39	
Leith ...		29.57	63	W	4	bc	29.50	-00	55	52	-1	WSW	2	bc	#	bc	68	51	0.05	
Shields ...		29.63	62	W	3	cp	29.56	+03	58	53	-3	WSW	2	m	2	bc, cp	69	52	0.02	
Spurn Head ...		29.70	64	W	5	b	29.64	+03	56	55	-7	SW	3	r	3	b	67	54	0.06	
York ...		29.71	64	W	4	b	29.62	+02	56	54	-7	SSW	3	c	#	b	70	54		
Loughborough		29.80	65	W	2	c	29.70	-00	57	55	-6	WSW	4	c	#	c, p	73	53	0.01	
Ardrossan ...		29.61	60	SW	4	cp, q	29.51	-04	56	52	-3	SW	3	c	3	c, q, p	65	52	0.04	
Malin Head ...		29.57	59	WSW	6	b, p, q	29.48	-08	53	52	-6	SSW	2	op	2	c, q, p, cl	62	51	0.33	
Mullaghmore ...																				
Belmullet ...		29.71	61	WSW	4	bc	29.61	-10	58	55	-3	WNW	4	bc	#	bc, l	63	52	0.40	
Donaghadee ...		29.69	63	SW	3	c	29.55	-06	55	54	-5	WSW	3	bc	1	c	68	52	0.01	
Liverpool (Bldston)		29.76	63	W	4	b	29.62	-05	58	53	-3	SSW	2	c	3	b	66	54	0.20	
Holyhead ...		29.77	62	SW	3	b	29.64	-06	55	53	-5	WSW	4	og	3	c, b	67	55	0.04	
Parsonstown ...		29.80	58	SSW	1	o	29.65	-12	52	51	-6	SW	1	bc	#	c, o, r	67	50	0.42	
Valencia ...		29.88	61	WSW	4	op	29.78	-11	59	58	-2	WSW	7	og, mp	6	bc, mp	65	55	0.30	
Roche's Point		29.88	63	W	4	bc	29.76	-14	58	55	-2	W	3	bc	3	bc, pl	67	54	0.02	
Pembroke (St. Ann's Hd.)		29.86	62	W	5	b	29.73	-09	56	52	-5	WSW	6	c, q, p	6	b, c	64	56	0.08	
Scilly ...		29.98	63	WNW	4	c	29.88	-02	62	57	-1	WNW	5	bc, p	4	c	66	57	0.13	
Prawle Point ...		29.94	62	WSW	4	bc	29.85	-02	62	58	-1	WSW	5	bc	4	bc	69	58		
Jersey (St. Aubin's)		29.99	65	W	5	c	29.93	-00	65	61	-1	WSW	5	bc	4	bc, c	70	62		
Hurst Castle ...		29.89	66	W	5	bc	29.82	+01	61	60	-5	W	6	cp	3	bc	73	59	0.03	
Dungeness ...		29.84	65	W	6	c	29.80	+03	62	61	-3	W	5	c, q, r	5	c	71	57	0.11	
North Foreland		29.79	69	W	3	bc	29.76	+05	62	61	-6	W	5	bc, q	3	c, bc	75	52		
London ...		29.83	66	W	2	bc	29.77	+02	62	57	-4	WSW	2	c	#	c, bc, b	76	53		
Oxford ...		29.86	60	WSW	3	b	29.76	+01	57	56	-8	SW	3	r	#	b, q	73	53	0.02	
Cambridge ...		29.81	66	SSW	4	b	29.73	+03	58	56	-8	SSW	3	o	#	b	75	49		
Yarmouth ...		29.76	68	WNW	3	bc	29.71	+05	60	56	-5	WSW	4	b	3	bc	73	52		
Cuxhaven ...		29.69	59	WNW	3	bc	29.75	+08	59	58	0	WSW	3	m	#	bc	65	57	0.02	
Berlin ...		29.75	65	W	3	o	29.79	+05	60	58	0	WSW	2	bc	#	o	70	57	0.51	
Wiesbaden ...							29.90	+02	61	57	-1	Z	0	o	#	#	68	57	0.32	
Munich ...		30.08	65	SW	3	o	30.07	+03	63	59	-1	SW	4	o	#	o	73	57		
The Helder ...		29.81	65	WSW	4	bc	29.76	+08	62	58	-4	SW	4	e	3	bc	68	61		
Brussels (9 a.m.)							29.86	+04	59	57	-1	SW	4	r	#	b	71	55	0.08	
Cape Gris Nez		29.84	63	W	5	bc	29.82	+07	61	59	-4	W	4	bc	4	bc	66	57		
Paris ...		29.98	72	SSW	3	c	30.00	+03	59	56	-3	SW	3	o	#	c	77	57		
Brest ...			66	W	1	c			63	61	-1	W	3	bc	3	c	73	57		
Lorient ...		30.04	66	W	4	r	30.01	+01	64	60	-2	W	4	bc	2	r	72	63		
Rochefort ...		30.05	70	WSW	3	c	30.07	+03	64	63	-2	W	3	o	#	bc, c	77	63		
Belfort ...																				
Lyons ...		30.04	72	WNW	1	b	30.07	-05	66	61	+4	E	1	o	#	b	85	62		
Nice ...		30.02	70	E	1	bc	30.03	+03	69	65	+2	E	1	c	1	bc	79	63		
Perpignan ...		30.08	75	NE	2	c	30.08	-03	70	67	0	W	2	b	#	c	86	64	0.12	
Biarritz ...		30.12	72	N	2	c	30.13	-01	71	68	+3	W	3	c	2	c, l	77	68		
Corunna ...																				
Lisbon ...		30.15	73	WNW	4	b	30.15	+03	70	64	0	N	4	bc	#	b	84	64		

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Friday, 8th Sept. 1893.

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 hubs 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:

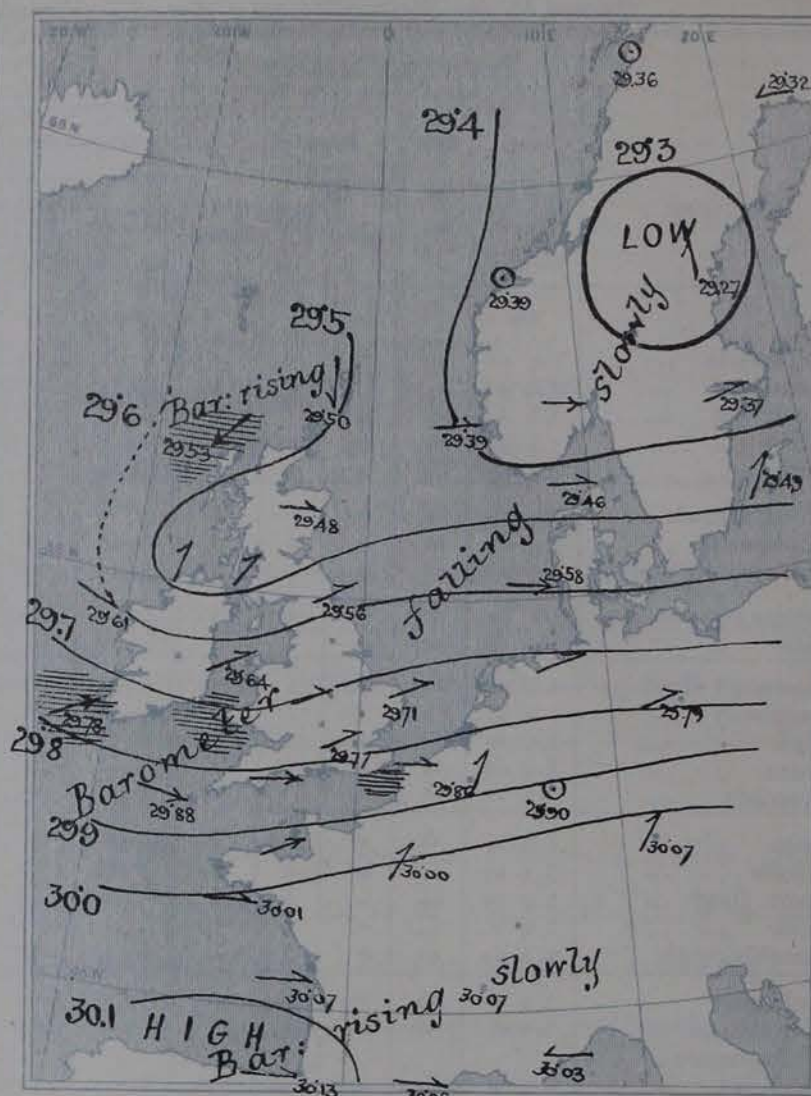
≡ = Rough. ≡ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.9 a.m. for the month of September.

During the 20 Years 1871-1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.820
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.930
Loughborough	29.950
Ardrossan	29.885
Mullaghmore	29.890
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Silly	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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.

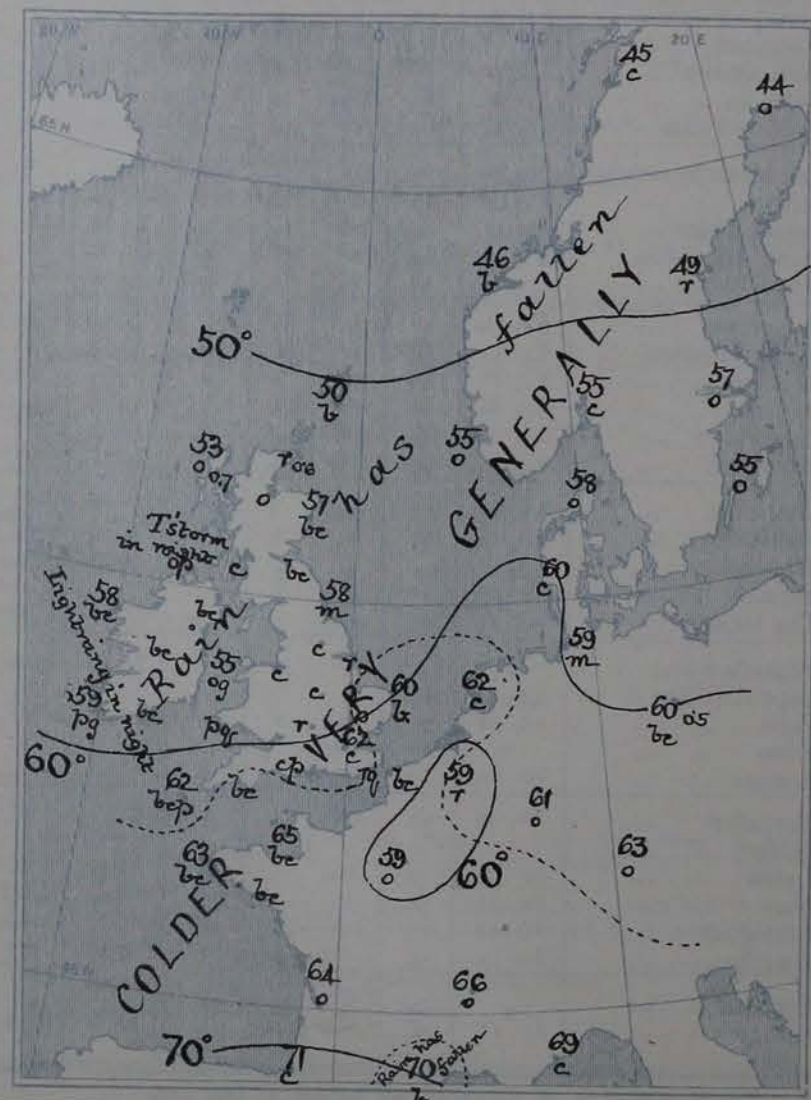
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
Sumburgh Head	55.0	46.1	59.8	40.1	3.32
Stornoway	56.3	45.8	51.1	39.1	4.10
Wick	57.7	45.5	51.9	38.0	2.53
Nairn	59.2	46.5	51.3	48.9	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.97
Leith	61.9	47.5	53.2	50.8	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.1	52.7	55.5	53.8	2.02
York	62.0	47.7	52.0	51.1	2.70
Loughborough	65.9	47.8	54.0	52.2	2.76
Ardrossan	59.6	49.4	53.5	51.4	3.67
Mullaghmore	60.2	50.9	54.0	51.6	4.95
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.0	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.30
Parsonstown	61.5	47.4	53.0	51.1	3.10
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	60.1	53.0	58.1	53.9	3.58
Silly	61.8	51.7	58.4	55.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	65.4	54.8	59.0	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	66.4	49.6	55.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.66
Cambridge	65.6	48.1	54.6	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.01

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in: and more to 30.0 in: over Spain and all the southern parts of France and Germany; 29.5 in: and more over the Shetlands and Hebrides.
 Lowest, 29.3 in: and less in a depression over Sweden, and below 29.5 in: in a V shaped secondary extending thence to Scotland.
 Gradients moderate. Barometer falling over the Kingdom as a whole, but has begun to rise decidedly in the north of Scotland.

TEMPERATURE

Highest, 71° at Biarritz, 70° at Perpignan, and above 60° over our southern counties and at Yarmouth.
 Lowest, 44° at Haparanda, 46° at Christiansund, 50° to 53° in the extreme north of Scotland, and 53° at Malin Ht.
 The thermometer is apparently falling decidedly in the far north. The maxima over England yesterday ranged from 70° to 76°, that at Paris was 77°.

WIND

W to SW^{ly} over Ireland, England, and France, SW^{ly} over Germany, SW^{ly} to S^{ly} over the southern half of Sweden.
 It is E^{ly} light, at Haparanda, calm in the north of Norway, N^{ly} to NE^{ly} in the north of Scotland.
 The W^{ly} wind is very fresh in the Channel, the N^{ly} wind strong at Stromsøy.

WEATHER

Somewhat changeable, and showery in many places, though the sun is shining brightly at intervals over Ireland and England.
 Rain has fallen pretty generally over the northern half of the Kingdom and also over Germany. At some of our northern and northwestern stations, and at Berlin the fall has been considerable. Thunder and lightning occurred in many parts of Ireland last night.

SEA

Rough at Valencia and Pembroke, rather rough at Stromsøy and Dungeness, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The "V" seems to be moving southeastwards, and a considerable change to cooler weather seems likely to spread over the Kingdom during the coming 24 hours.

FORECASTS

For the 24 hours ending at NOON on 9th Sept: 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

N^{ly} and NW^{ly} breezes, showery to fair, cool.

Wind shifting to the N^{ly}; showery and close, then colder.

W^{ly} and NW^{ly} winds; showery and close, then colder.

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

WARNINGS

Same as No. 0.

Wind shifting to NW. or N. with considerable fall of temperature, weather unsettled and showery.

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.46	58	56	W	1	T	2	Valencia ...	29.92	63	60	W.S.W.	3	b.c.m.	5
Sumburgh Head ...	29.84	55	52	W	3	C	3	Scilly ...	29.96	65	61	W.N.W.	4	C	3
Stornoway ...	29.50	58	55	N.W.	3	O	3	Jersey ...	29.98	69	63	W.S.W.	5	b.c.	4
Aberdeen ...	29.51	57	56	S	1	O	1	Hurst Castle ...	29.87	71	63	W	4	b.c.	2
Shields ...	29.59	67	60	W.S.W.	4	b.c.	2	Dungeness ...	29.78	69	67	W	6	C	5
Ardrossan ...	29.60	63	58	SW	3	C	2	North Foreland ...	29.76	72	70	W	4	b.c.	3
Malin Head ...	29.61	62	58	N	6	C	4	London (Westminster)	29.80	75	61	W	3	b.c.	*
Mullaghtmore ...								Yarmouth ...	29.70	73	63	W.N.W.	5	b.c.	3
Belmullet ...	29.75	63	58	SW	4	b.c.	*	Rochefort ...	30.07	75	68	W	3	b.c.	*
Holyhead ...	29.79	64	60	W.S.W.	4	C	3								

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

Weather cloudy over the greater part of our Islands and the Continent, with showers in many isolated places. Fine and bright over Spain and the southern parts of France, Italy, and Russia. Rain falling during day, in all our more western and northern districts — heavily in the north of Scotland, and slight showers at some of our southern and eastern stations; thunder and lightning occurring in several parts of Ireland. Considerable amounts of rain reported at some of the German stations.

Temperature risen generally. Morning readings highest 93° at La Calle, 83° at Palermo, 82° at Barcelona, and 80° at Alpico, above 70° at most of the Mediterranean stations, and above 65° at several of our own southern and southeastern stations. Lowest 34° at Archangel, 41° at Haparanda and Moscow, 43° at Uleaborg and Kuopio, 44° at St. Petersburg, and 48° at Bodö and Heröland. Rising during day to between 70° and 75° at several of the English stations and reaching 76° in London. Exceeding 75° over the greater part of France, and reaching 85° at Lyons and 86° at Perpignan.

Wind moderate to fresh from the W. over our Islands, and from the S.W. over France, Germany, and the Netherlands; S. over the Baltic, S.E. or E. over the northern parts of Scandinavia. Light and variable over southern and eastern Europe and the Mediterranean. Subsequently becoming very variable in the north of Scotland; no important change occurring elsewhere.

Barometer highest 30.1 in. and upwards over Moscow, the Spanish Peninsula and the south of France and also in another area lying over southern Italy, Greece, and the eastern part of the Mediterranean. Lowest 29.4 in. and less, in two depressions, one lying over the central part of Scandinavia and the other to the northward of our Islands. Depression subsequently moving eastward but numerous shallow secondary disturbances travelling across our Islands during day from the westward.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 9th September,

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.			
Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Max.	Min.								
Inch.	°			Inch.		°	°					°	Inch.								
SCANDINAVIA.	Haparanda ...	29.26	43	Z	0	0	29.29	+0.03	42	41	-2	N	6	†	0	46	39	-			
	Hernösand ...	29.31	41	Z	0	0	29.30	+0.03	42	40	-7	S	2	†	0	55	41	-			
	Stockholm ...	29.31	55	SW	2	0	29.12	-0.25	54	53	-3	SW	2	0	†	0	64	50	0.04		
	Wisby ...	29.45	57	SSW	6	0	29.17	-0.32	54	53	-1	WNW	6	0	†	0	64	?	0.32		
	Bodö ...	29.34	40	N	1	0	29.41	+0.04	43	42	-2	Z	0	0	0	46	39	0.28			
	Christiansund...	29.41	45	WNW	3	0	29.42	+0.03	45	44	-1	N	3	†	4	0	50	43	0.51		
	Skudesnaes ...	29.42	51	WNW	6	0	29.43	+0.04	46	44	-9	N	7	0	2	0	55	43	-		
	Christiania Fjord (Færder)	29.24	59	SSW	5	0	29.25	-0.12	49	45	-8	N	6	0	3	0	61	48	-		
	Skagen (The Scaw)	29.28	56	W	3	0	29.25	-0.21	53	48	-5	N	3	bc	1	0	61	48	0.16		
	Fanö ...	29.39	55	WNW	4	0	29.43	+0.15	53	48	-7	WNW	5	0	†	0	64	52	0.35		
ISLANDS.	Sumburgh Head	29.59	46	N	4	0	29.66	+0.16	48	44	-2	WNW	3	0	3	0	54	41	0.13		
	Stornoway ...	29.76	49	NE	4	bc	29.87	+0.34	47	44	-6	N	5	0	5	0	55	42	0.25		
	Wick ...	29.68	46	WNW	3	0	29.78	+0.27	47	45	-4	WNW	4	0	3	0	51	41	0.09		
	Nairn ...	29.71	51	NE	3	0	29.83	+0.35	49	45	-4	WNW	3	bc	?	0	54	41	0.12		
	Aberdeen ...	29.64	50	WNW	3	bc	29.79	+0.31	46	43	-11	WNW	4	bcq, p	4	0	59	43	0.05		
	Leith ...	29.63	54	NE	4	0	29.84	+0.34	52	46	-3	W	4	0	†	0	61	43	0.05		
	Shields ...	29.54	55	W	2	0	29.82	+0.26	50	46	-8	W	2	bc	2	0	64	41	0.25		
	Spurn Head ...	29.55	57	WSW	3	0	29.81	+0.17	51	47	-5	WNW	5	0	4	0	63	49	0.03		
	York ...	29.56	55	W	2	0	29.84	+0.22	50	46	-6	WNW	3	0	†	0	63	43	0.39		
	Loughborough	29.62	57	W	1	bc	29.89	+0.19	50	47	-7	WNW	1	0	†	0	66	45	0.34		
BRITISH.	Ardrossan ...	29.63	54	NE	2	†	29.87	+0.26	53	47	-3	WNW	3	0	2	0	62	46	0.21		
	Malin Head ...	29.73	54	N	7	0	29.93	+0.45	52	48	-1	N	4	0	3	0	57	51	0.27		
	Mullaghmore ...	29.89	56	WNW	4	bc	30.01	+0.40	53	51	-5	NE	2	0	†	0	59	47	0.18		
	Belmullet ...	29.65	56	WNW	5	bc	29.93	+0.38	51	50	-4	WNW	3	0	2	0	61	49	0.23		
	Donaghadee ...	29.57	56	WSW	3	†	29.89	+0.27	54	47	-4	WNW	3	bc	4	0	61	49	0.64		
	Liverpool (Bidston)	29.57	57	WNW	5	0	29.93	+0.29	54	50	-1	WNW	5	0	4	0	67	53	0.15		
	Holyhead ...	29.82	59	W	1	bc	30.01	+0.36	47	45	-5	WNW	1	0	†	0	64	43	0.05		
	Parsonstown ...	30.00	57	WNW	5	0	30.04	+0.26	50	49	-9	NE	2	0	3	0	61	43	0.06		
	Valencia ...	29.88	60	WNW	5	bcq	30.05	+0.24	53	50	-5	N	1	0	3	0	64	49	0.01		
	Roche's Point	29.74	62	WNW	6	bc	29.97	+0.24	55	51	-1	WNW	4	bc	5	0	63	52	0.03		
GERMANY & HOLLAND.	Pembroke (St. Ann's Hd.)	29.91	62	WNW	7	0	30.01	+0.13	54	53	-3	WNW	4	bc	4	0	64	54	0.04		
	Scilly ...	29.79	60	WSW	6	0	29.97	+0.12	57	53	-5	WNW	5	0	4	0	65	50	0.06		
	Prawle Point ...	29.88	65	W	6	bc	29.98	+0.05	61	54	-4	WNW	5	bc	4	0	68	58	0.08		
	Jersey (St. Aubin's)	29.73	60	W	7	0	29.91	+0.09	56	53	-5	WNW	3	0	3	0	67	53	0.26		
	Hurst Castle ...	29.67	62	W	6	0	29.84	+0.04	56	54	-6	N	4	0	3	0	66	50	0.04		
	Dungeness ...	29.64	60	W	4	bc	29.81	+0.05	56	55	-6	N	4	bcq	4	0	65	52	0.14		
	North Foreland	29.67	61	W	3	bc	29.84	+0.07	54	51	-8	WNW	2	0	†	0	68	50	0.16		
	London ...	29.67	57	WSW	3	bc	29.90	+0.14	55	49	-2	N	2	0	†	0	64	51	0.02		
	Oxford ...	29.64	56	W	1	0	29.88	+0.15	51	49	-7	WNW	1	0	†	0	67	48	0.07		
	Cambridge ...	29.59	56	W	4	0	29.77	+0.06	55	51	-5	WNW	4	0	4	0	65	50	0.03		
FRANCE AND BELGIUM.	Yarmouth ...	29.62	61	SW	2	0	29.58	-0.21	55	52	-5	SW	4	0	†	0	68	52	0.04		
	Cuxhaven ...	29.65	61	SW	2	0	29.76	-0.14	58	54	-3	SW	4	bc	†	0	68	57	0.04		
	Berlin ...	29.93	62	SW	2	0	29.89	-0.18	54	54	-9	WNW	3	0	†	0	70	54	0.59		
	Wiesbaden ...	29.58	59	WNW	6	0	29.70	-0.06	58	52	-4	WNW	5	0	4	0	66	57	0.16		
	The Helder ...	29.77	54	SW	2	0	29.77	-0.09	54	52	-5	WSW	2	0	†	0	68	50	0.39		
	Brussels (9 a.m.)	29.70	62	WNW	6	0	29.71	-0.05	55	54	-6	WNW	6	0	6	0	66	45	0.39		
	Cape Gris Nez	29.87	66	W	3	0	29.91	-0.09	58	54	-1	WSW	2	0	†	0	75	53	-		
	Paris ...	?	64	WNW	4	0	?	?	59	55	-4	WNW	2	0	2	0	68	55	-		
	Brest ...	30.00	65	WNW	6	bc	30.05	+0.04	59	54	-5	WNW	5	0	4	0	70	57	-		
	Lorient ...	30.00	67	S	5	0	30.03	-0.04	63	60	-1	WNW	3	0	†	0	75	59	0.12		
PENIN- SULA.	Rocheport ...	?	65	W	5	0	?	?	63	59	-5	W	4	0	†	0	77	53	-		
	Belfort ...	29.94	74	E	1	bc	30.03	-0.04	58	53	-8	WNW	2	0	†	0	84	56	0.12		
	Lyons ...	29.89	69	Z	0	0	29.78	-0.25	65	63	-4	Z	0	0	2	0	79	61	-		
	Nice ...	30.01	73	SE	2	0	30.04	-0.04	65	60	-5	WNW	2	0	†	0	86	64	0.04		
	Perpignan ...	30.09	71	WNW	3	bc	30.12	-0.01	66	61	-5	SE	3	bc	3	0	79	64	0.12		
	Biarritz ...	30.11	71	N	5	0	30.04	-0.11	69	63	-1	WNW	5	0	†	0	77	66	-		
	Corunna ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?		
	Lisbon ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?			

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 9th Sept: 1893.

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 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

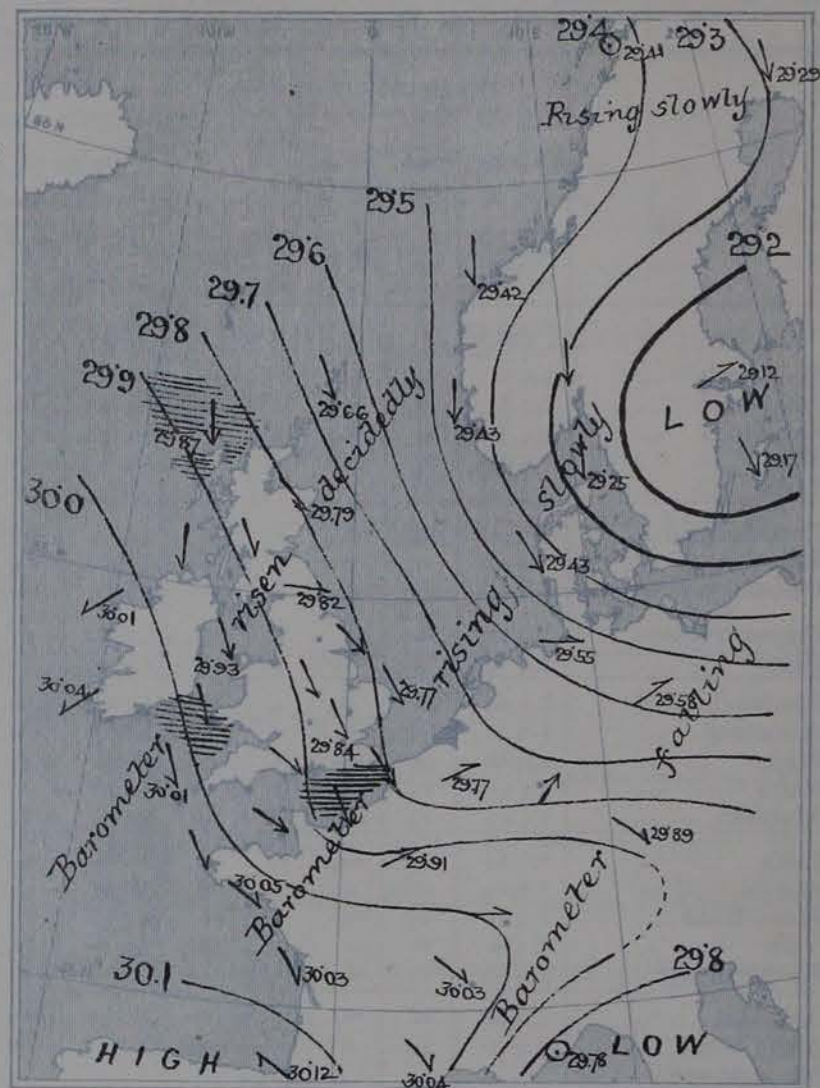
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.707
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.950
Ayrhousan	29.885
Mullaghmore	29.890
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.940
Pembroke	29.948
Scilly	29.971
Prawle Point	29.908
Jersey	29.988
Hurst Castle	29.901
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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.

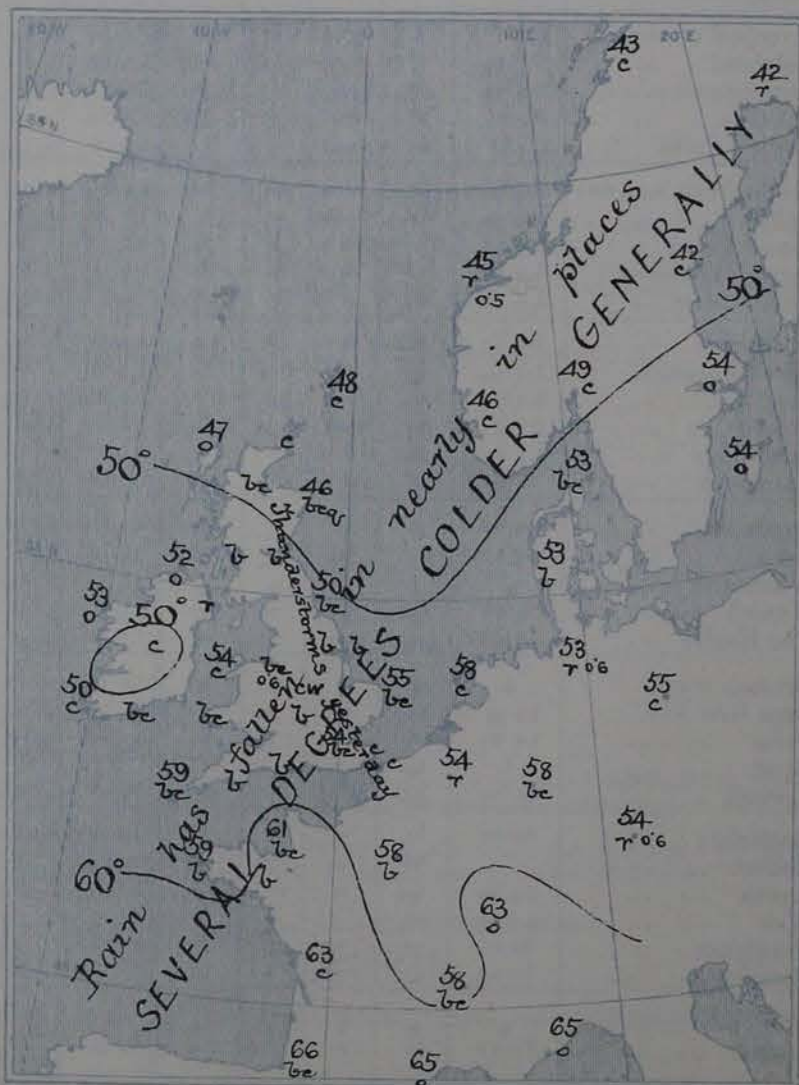
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of September.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	Dry. at 8 a.m.	Wet.	
Sumburgh Head	55.0	46.1	50.8	49.1	3.32
Stornoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.3	51.9	50.0	2.53
Nairn	59.2	46.3	51.3	48.9	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.97
Leith	61.9	47.5	53.2	50.8	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	55.3	53.8	2.92
York	62.9	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.76
Ayrhousan	59.6	49.4	53.3	51.4	3.07
Mullaghmore	60.2	50.0	54.0	51.0	4.95
Donaghadee	59.6	49.2	53.3	52.3	3.04
Holyhead	60.7	52.0	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.30
Parsonstown	61.5	47.4	53.9	51.1	3.18
Valencia	61.8	54.5	56.5	54.2	4.63
Roche's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	60.1	53.0	56.1	53.9	3.58
Scilly	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.40
Jersey	65.4	54.8	59.9	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	3.04
Dover	63.4	52.0	57.7	55.2	2.64
LONDON	66.4	49.0	55.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.66
Cambridge	65.6	48.1	54.6	53.0	2.20
Yarmouth	62.1	51.4	56.3	54.4	2.01

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins: and more over Ireland, the west of France, and the Spanish Peninsula.

Lowest, 29.2 ins: and less in a depression over the south of Sweden.

Gradients moderate, for N^{ly} winds.

Barometer rising throughout the United Kingdom.

TEMPERATURE

Highest, 65° at Dublin, 65° to 66° in the south of France, but below 60° throughout our Islands.

Lowest, 42° to 45° over the northern half of Scandinavia, 46° to 49° over the northern half of Scotland, 50° at York and Loughborough.

It has fallen decidedly in all parts of our Islands and their neighbourhood since yesterday.

WIND

N^{ly} to NW^{ly}, fresh to moderate, over the United Kingdom.

W^{ly} to SW^{ly}, and moderate over Germany.

Strong squalls have been felt at times over Great Britain during some portions of the past 24 hours. Those in London occurred about midday, and at 1.15 am today.

Fair as a whole over our Islands but still rather showery looking; squally winds are reported at Aberdeen, rain at Donaghadee.

WEATHER

Thunder and lightning occurred yesterday over all the eastern half of Great Britain.

SEA

Rough at Cape Fin Noy, moderate on exposed parts of our coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather is now inclined to clear up as a whole, and a bright cold night is likely to be experienced over our Islands generally.

FORECASTS

For the 24 hours ending at NOON on 10th September, 1893.

DISTRICTS.

FORECASTS.

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

NW^{ly} to N^{ly} breezes, fresh to moderate;
some local showers, bright intervals,
very cold tonight.

DISTRICTS.

FORECASTS.



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

Same as Nos 0 to 5.

N^{ly} breezes, light; fair generally,
very cold tonight inland.

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.		THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudeanaes ...	29.42	55	49	W	4	bc	3	Valencia ...	29.92	60	59	W	6	c q p	6	
Sumburgh Head ...	29.56	52	48	W	4	c	3	Scilly ...	29.88	61	59	W	6	c q p	4	
Stornoway ...	29.66	53	50	NE	5	c	5	Jersey ...	29.91	68	61	W	5	bc	4	
Aberdeen ...	29.57	53	50	W	5	o q p	4	Hurst Castle ...	29.77	65	58	W	7	c	4	
Shields ...	29.53	55	52	SW	3	o p	2	Dungeness ...	29.73	61	59	W	5	c	4	
Ardrossan ...	29.52	61	57	W	3	c	2	North Foreland ...	29.70	57	56	W	6	c	4	
Malin Head ...	29.59	55	53	W	6	c	0	London (Westminster) ...	29.69	61	56	W	4	c	3	*
Mullaghmore ...								Yarmouth ...	29.60	65	56	W	5	c		
Belmullet ...	29.78	58	55	W	5	c q p	*	Rochefort ...	30.01	70	66	W	4	c		*
Holyhead ...	29.62	60	55	W	3	o p	2									

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

Weather changeable and showery over the greater part of the United Kingdom, and dull at many of the Continental stations, with rain at Archangel, Heröland, Brussels, and Limoges. Fine and bright over Central Germany, Austria, Italy, and the southern parts of Spain and Russia. Heavy showers falling during day in many parts of Western Europe, with thunder and lightning at most of the English stations.

Temperature fallen in most of the western countries, but risen elsewhere. Morning readings highest 81° at Algiers, 80° at Palma and La Calle, and 79° at Sfax; above 70° at most of the Mediterranean and Adriatic stations, as well as on the coasts of the Spanish Peninsula. Lowest 42° at Archangel, 44° at Haparanda and Uleaborg, 45° at Rode and 46° at Christiansund, below 50° over the northern parts of Russia and Scandinavia generally, and very little above it in some parts of Ireland and Scotland. Rising during day to between 65° and 68° over the central and southern parts of England, and to 75° or more at many of the French stations; reaching 84° at Lyons and 86° at Perpignan.

Wind SW or W over Ireland, England, and the greater part of Central Europe, with Russia, Denmark, and the south of Scandinavia, light or moderate in force generally, but fresh or strong over the southern parts of the United Kingdom. Light from the East in Lapland. Calm in the west of Norway, NE in the north of Scotland. Light and variable over Spain, Italy, and Algeria. Subsequently veering to the NW or N in all but the southeastern parts of the United Kingdom; heavy squalls from the W experienced during day at many of the English stations.

Barometer highest 30.1 ins. and upwards over Spain, Algeria, and the eastern parts of the Mediterranean, 30.0 ins. and upwards over all the more southern parts of Europe. Lowest 29.3 ins. and less, in a depression lying over Finland and the north of Sweden; well marked V shaped secondary extending southwards over the North Sea and Scotland. Secondary disturbances subsequently moving southwards over our islands, barometer rising on all our western and northern coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Sunday 10th Sept:

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.			
Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in (dry since Yesterday.	Dir.	Force (0 to 12).	Weather.	Max.	Min.								
Ins.	°				Ins.	°	°	°					°	ins.							
SCANDINAVIA.	Haparanda ...	29.36	36	2	0	b	29.45	+ .16	39	36	—	3	N	2	b	#	b	46	36	—	
	Hernösand ...	29.38	46	NN	2	c	29.56	+ .26	45	41	+	3	NN	6	b	#	c	48	34	—	
	Stockholm ...	29.31	55	NNN	4	0	29.50	+ .38	44	43	—	10	NNN	2	0	#	0	57	44	0.04	
	Wisby ...	29.32	53	NNN	6	c	29.48	+ .31	49	46	—	5	NNE	8	c	#	c	59	49	0.83	
	Bodö ...	29.57	43	N	6	c	29.62	+ .21	41	39	—	2	W	4	0	2	c	46	39	0.16	
	Christiansund...	29.67	47	N	4	r	29.81	+ .39	46	43	+	1	NNN	4	0	4	r	48	43	0.39	
	Skudesnaes ...	29.57	49	NNN	6	b	29.83	+ .40	49	44	+	3	NNN	4	b	2	b, b	54	43	—	
	Christiania Fjord (Fæder)	29.46	51	N	4	b	29.69	+ .44	49	42	—	0	N	8	b	3	b	54	48	—	
	Skagen (The Scaw)	29.47	51	NN	1	c	29.64	+ .39	50	45	—	3	NE	4	b, c	2	c	57	48	—	
	Fanö ...	29.57	50	W	6	b	29.69	+ .26	47	44	—	6	NE	1	b	#	b	57	46	0.16	
BRITISH ISLANDS.	Sumburgh Head	29.82	46	N	2	b, c	30.01	+ .35	48	45	—	0	N	1	c	3	b, c	53	41	0.01	
	Stornoway ...	29.98	49	NE	3	b, c	30.09	+ .22	48	46	+	1	2	0	0	2	b, c	53	37	—	
	Wick ...	29.90	46	N	2	c	30.06	+ .28	50	49	+	3	NN	3	c	1	c	51	36	0.06	
	Nairn ...	29.92	49	NNN	3	b, c	30.09	+ .26	47	45	—	2	NNN	2	b	1	b, c	55	42	—	
	Aberdeen ...	29.90	46	NN	3	b, c	30.08	+ .29	48	44	+	2	NN	3	b, c	3	b, c, p	53	41	0.09	
	Leith ...	29.90	53	NNE	4	b, c	30.08	+ .24	47	43	—	5	NN	3	b, c	#	b, c	61	41	—	
	Shields ...	29.88	51	N	3	b	30.04	+ .22	50	47	—	0	NNN	3	b, c	2	b, c, r	57	40	—	
	Spurn Head ...	29.86	54	NNN	4	c, v	29.98	+ .17	51	49	—	0	NNN	4	c	4	c, v	57	47	—	
	York ...	29.89	54	N	1	b	30.01	+ .17	46	44	—	4	N	1	b	#	b	59	38	0.01	
	Loughborough	29.92	54	NNN	2	c	30.03	+ .14	45	44	—	5	NNN	1	c, m, r	#	c	61	35	—	
GERMANY & HOLLAND.	Ardrossan ...	29.89	55	NN	3	b	30.08	+ .21	48	43	—	5	ENE	1	b	1	b	58	39	—	
	Malin Head ...	29.96	52	N	4	0	30.07	+ .14	51	45	—	1	NE	3	b	2	0	54	50	0.02	
	Mullaghmore ...	29.97	56	NE	3	b, c	30.04	+ .03	54	49	+	1	NE	3	b, c	#	b, c	59	49	—	
	Belmullet ...	29.95	54	NNN	4	c	30.06	+ .13	51	47	—	0	E	4	b	2	c	59	49	0.02	
	Liverpool (Bldston)	29.92	53	NN	3	b, c	30.03	+ .14	49	45	—	5	E	2	b, c	2	b, c	58	45	0.04	
	Holyhead ...	29.94	54	NNN	2	b, c	29.98	+ .05	52	49	—	2	E	4	b, c	3	b, c	59	47	0.01	
	Parsonstown ...	29.95	56	NN	1	b, c	29.88	— .13	46	43	—	1	NNN	1	0	#	b, c	57	43	—	
	Valencia ...	29.88	55	ESE	3	ogm	29.89	— .15	52	51	+	2	NE	6	og	5	ogm	63	49	—	
	Roche's Point	29.92	57	SSE	3	0	29.85	— .20	53	51	—	0	E	4	r	4	0	62	51	—	
	Pembroke (St. Ann's Hd.)	29.95	55	NNN	3	c	29.87	— .10	52	49	—	3	E	5	c, g	3	c	59	50	—	
FRANCE AND BELGIUM.	Scilly ...	29.92	59	SE	3	or	29.66	— .35	55	55	—	4	E	8	r	5	o, b	65	53	1.07	
	Prawle Point ...	29.94	56	W	3	c	29.85	— .12	56	54	—	1	ENE	4	r, g	3	c, g	66	51	0.02	
	Jersey (St. Aubin's)	29.97	61	NNN	4	b, c	29.87	— .11	61	54	—	0	ESE	4	og	3	b, c, p.	65	53	0.02	
	Hurst Castle ...	29.94	60	NN	3	b, c	29.93	+ .02	56	53	—	0	E	5	c, m	3	b, c	65	50	—	
	Dungeness ...	29.87	60	NNN	2	c	29.91	+ .07	57	52	+	1	NE	4	b, c	3	c	64	46	—	
	North Foreland	29.87	59	NNN	4	c	29.96	+ .15	56	55	—	0	NNE	4	b	3	b, c	61	51	—	
	London ...	29.89	59	NNN	2	b, c	29.99	+ .15	53	48	—	1	NE	2	b	#	c, b	63	47	—	
	Oxford ...	29.92	54	NN	2	c	29.99	+ .09	52	46	—	3	NE	2	b	#	c	65	49	—	
	Cambridge ...	29.90	56	NNN	1	0	30.00	+ .12	46	43	—	5	NN	2	b	#	0	62	38	—	
	Yarmouth ...	29.86	56	NN	3	c	29.94	+ .17	53	48	—	2	NNN	2	b, c	4	c	58	44	—	
PENINSULA.	Cuxhaven ...	29.67	51	NN	5	r	29.74	+ .19	51	49	—	2	NNN	6	b, c	#	r	58	50	0.20	
	Berlin ...	29.70	53	W	4	b	29.78	+ .20	50	47	—	5	SW	6	b, c	#	b	63	46	0.04	
	Wiesbaden ...	*	*	*	*	*	29.95	+ .19	53	51	—	5	SW	2	0	#	#	64	48	0.08	
	Munich ...	29.95	55	SW	3	b, c	29.98	+ .09	53	50	—	1	SW	3	c	#	b, c	64	50	—	
	The Helder ...	29.85	55	NN	6	c	29.93	+ .23	55	49	—	3	NNN	5	c	3	c	59	52	0.24	
	Brussels (9 a.m.)	*	*	*	*	*	29.96	+ .19	51	50	—	3	ESE	1	0	#	b, c	61	46	0.08	
	Cape Gris Nez	29.87	63	W	3	? b	29.89	+ .12	57	57	+	2	E	4	b	4	b	61	52	—	
	Paris ...	29.94	63	NN	2	c	29.93	+ .02	48	48	—	10	NNE	1	0	#	c	69	44	—	
	Brest ...	?	61	W	2	c	?	?	60	57	+	1	SE	4	0	4	c	70	55	0.12	
	Lorient ...	29.99	62	W	4	c	29.79	— .26	60	59	+	1	SSE	4	0	2	c	70	57	0.04	
FRANCE AND BELGIUM.	Rochefort ...	29.97	64	NNN	3	c	29.86	— .17	57	56	—	6	SE	2	c	#	c	72	55	0.04	
	Belfort ...	29.98	63	NNN	1	b	29.95	— .08	54	48	—	4	N	1	b	#	b	70	49	—	
	Lyons ...	29.67	71	2	0	c	29.77	— .01	67	61	+	2	2	0	b	#	c	79	61	—	
	Nice ...	29.96	70	NN	3	0	29.91	— .13	61	56	—	4	W	2	b	#	0	76	54	—	
	Perpignan ...	30.01	70	NN	2	b, c	29.84	— .28	57	54	—	9	ESE	3	b	3	b, c	73	54	—	
	Corunna ...	*	*	*	*	*	29.96	— .08	68	62	—	1	NN	3	c	#	b	79	63	—	
	Lisbon ...	30.01	65	NNN	6	b	29.96	— .08	68	62	—	1	NN	3	c	#	b	79	63	—	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Sunday, 10th Sept. 1893.

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 bars 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:

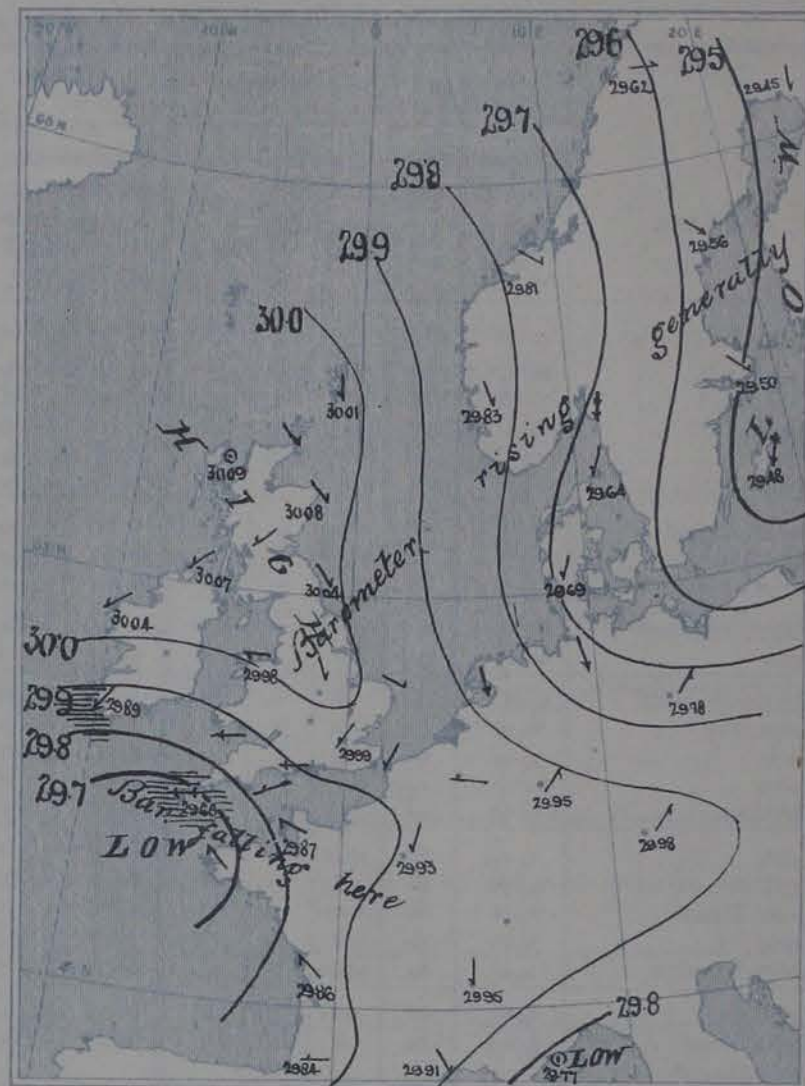
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 3.4 a.m. for the month of September.

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.787
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrossan	29.885
Mullaghmore	29.800
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Rocha's Point	29.946
Pembroke	29.948
Scilly	29.971
Prawle Point	29.898
Jersey	29.888
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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 September.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max	Daily Min	Day	Night	
Sumburgh Head	55.0	40.1	50.8	40.1	3.32
Stornoway	56.3	45.8	51.1	40.1	4.10
Wick	57.7	45.5	51.0	40.0	2.53
Nairn	58.2	46.5	51.0	48.9	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.97
Leith	61.9	47.5	53.2	50.8	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	55.5	53.8	2.02
York	62.0	41.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.76
Ardrossan	59.6	49.4	53.5	51.4	3.07
Mullaghmore	59.2	50.9	54.0	51.6	4.95
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.6	55.7	53.3	3.23
Liverpool	61.2	50.8	54.5	51.9	3.39
Parsonstown	61.5	47.4	53.0	51.1	3.16
Valencia	61.8	51.0	56.5	54.2	4.53
Rocha's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	60.1	53.0	56.1	53.9	3.58
Scilly	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	65.4	54.8	59.9	57.0	2.05
Hurst Castle	64.3	52.1	57.1	55.7	2.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	66.4	49.6	55.8	53.5	2.35
Oxford	64.6	48.0	54.0	52.1	2.66
Cambridge	65.6	48.1	54.6	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.01

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30.0 ins: and more over Scotland and the northern parts of Ireland and England.
(2) 29.9 ins: and more over the east and southeast of England and the east and south of France.
Lowest, (1) 29.5 ins: and less, over northern Europe and the Baltic.
(2) 29.7 ins: and less, in a depression lying to the eastward of the English Channel.
Gradients, somewhat steep (1) for N^W winds over the eastern side of the North Sea, (2) for SE^W winds at the mouth of the Channel and for E winds over the Bristol Channel, St. George's Channel, and south of Ireland.

TEMPERATURE

Highest, 70° at Biarritz, 67° at Nice, 61° at Jersey, and 60° at Orient.
Lowest, (1) 39° at Haparanda, 44° at Stockholm; (2) 45° at Loughborough, 46° at Parsonstown, Cambridge, and York, 47° at Perth and Nairn.
Maxima did not exceed 66° in any part of our Islands yesterday; minima in night were 35° to 39° over the midland counties of England, 43° at Parsonstown.

WIND

(1) Light and anticyclonic over the northern parts of our Islands, NW^W, light on our northeast coasts, NE^W in the southeast.
(2) N^W strong to a gale to the eastward of the North Sea and over the Baltic.
(3) SE^W, moderate in the west of France, E^W fresh to strong on our southwestern coasts — a gale at Kelly.

WEATHER

Dull and rainy on our extreme southwestern coasts, fair a bright elsewhere.
Some rain has fallen both over the southern and northern parts of the Kingdom — but in small quantity, excepting at Kelly, where 1.1 ins: was measured.
To the eastward of the North Sea also there has been rain (0.8 in: at Nieby).

SEA

Rather rough in the southwest, slight or moderate elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 11th Sept: 1893.

DISTRICTS.

FORECASTS.

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

None issued.

DISTRICTS.

FORECASTS.

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

None issued.

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.49	54	46	NNW	7	bc	3	Valencia ...	29.96	60	56	SE	2	ov	2
Sumburgh Head ...	29.76	52	48	NNW	3	bc	3	Scilly ...	30.01	64	55	SSW	1	c	3
Stornoway ...	29.94	52	47	NE	4	c	4	Jersey ...	30.01	64	54	WNW	5	bc	4
Aberdeen ...	29.86	51	44	NN	4	bc	4	Hurst Castle ...	29.95	63	55	WNW	3	c	2
Shields ...	29.86	55	50	NNE	3	bc	2	Dungeness ...	29.90	61	55	NW	2	c	2
Ardrossan ...	29.89	56	48	NW	4	b	2	North Foreland ...	29.87	61	56	W	3	bc	3
Malin Head ...	29.97	53	51	N	2	o	2	London (Westminster) ...	29.91	62	53	WNW	2	c	*
Mullaghmore ...								Yarmouth ...	29.85	58	53	NW	4	bc	4
Belmullet ...	30.01	59	54	NE	3	bc	*	Rochefort ...	30.04	69	60	NNW	3	c	*
Holyhead ...	29.97	57	51	NNW	2	c	2								

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

Weather fine and bright over the greater part of Western Europe, but showery at some of the Irish and Scotch stations. Cloudy or overcast in most of the northern, eastern, and central countries, with rain at Kuopio and Christiansund; fine over Spain and southern Italy. Showers falling during day in many parts of western and central Europe; large amounts of rain measured over Scandinavia, northern Russia and Central Italy. Thunderstorms occurring at some of the Algerian stations. Heavy rain setting in at night at Billy.

Temperature fallen in all but the southern countries. Morning readings highest 80° at Algiers and La Calle, 79° at Oren and 78° at Nemours and Pfax; above 70° at most of the Mediterranean and Adriatic stations and above 65° over Spain and the south of France. Lowest, 41° at Uleaborg, 42° at Haparanda and Hemösand, 43° at Böös, and 45° at Christiansund; below 50° over Scotland and Central Ireland. Rising during day to between 61° and 66° over the central and southern parts of our islands, to 70° or a little above it in France and to 80° or more in Spain and Italy, the highest readings of all being 88° at Cagliari and Palermo. Ground frost occurring over Central England at night.

Wind light to fresh from the NW² or N² over the greater part of Western Europe, as well as in Scandinavia and Denmark; moderate from the SW² over Germany and the Baltic Provinces; light from the S² at most of the Russian stations. Light from S. or SE. in Italy; N¹ at most of the Algerian stations. NW⁴ current subsequently falling light; wind shifting to the E² or SE² in the extreme west and southwest of our islands.

Barometer highest 30.1 ins. and upwards over the northern half of the Spanish Peninsula; 30.0 ins. and upwards over the whole of Spain, the Bay of Biscay, the southwest of France, and the southern parts of Ireland. Lowest 29.2 ins. and less, in a well-marked depression lying over the south of Sweden and neighbouring parts of the Baltic. Depression subsequently moving northwards to Finland, but new disturbance approaching the southwest of our islands from the westward.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday, 11th September,

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.			
		Reading at 32° F. and Sea Level.	Dry Bulb.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Force (0 to 12).	Weather.	Max.	Min.							
		Inch.	°				Inch.	°	°	°						°	ins.				
SCANDINAVIA.	Haparanda ...	29.53	37	Z	0	b	29.60	+ .15	37	34	- 2	NNE	4	b	#	b	48	32	-		
	Hernösand ...	29.72	39	Z	0	o	29.78	+ .22	45	41	0	W	4	c	#	o	50	37	0.08		
	Stockholm ...	29.80	43	Z	0	b	29.95	+ .45	45	41	+ 1	WNW	2	b	#	b	55	43	-		
	Wisby ...	29.83	45	N	6	b	29.99	+ .51	50	46	+ 1	N	6	b	#	b	52	45	0.08		
	Bodö ...	29.64	43	NW	6	t	29.76	+ .14	41	36	0	NW	4	b	1	t	43	36	0.20		
	Christiansund...	29.95	45	WNW	4	t	29.98	+ .17	46	44	0	W	5	t	6	r	48	45	0.35		
	Skudesnaes ...	30.06	48	WNW	2	o	30.12	+ .29	51	48	+ 2	WNW	4	o	2	o	54	43	-		
	Christiania Fjord (Færder)	29.82	55	SSW	4	c	30.01	+ .32	49	43	0	N	4	b	1	c	55	48	-		
	Skagen (The Scaw)	29.92	50	NW	2	b	30.01	+ .37	54	47	+ 4	WNW	2	b	1	b	59	43	-		
	Fanö ...	30.03	48	WNW	2	b	30.15	+ .46	53	48	+ 6	NW	4	c	#	b	61	46	-		
BRITISH ISLANDS.	Sumburgh Head	30.06	48	NW	2	o	30.11	+ .10	52	51	+ 4	WNW	1	c	2	o	52	46	-		
	Stornoway ...	30.16	53	W	2	b	30.22	+ .13	54	52	+ 6	Z	0	o	2	c.b	58	44	-		
	Wick ...	30.13	49	N	3	c	30.20	+ .14	53	52	+ 3	N	3	o	1	c	55	40	-		
	Nairn ...	30.15	51	Z	0	c	30.25	+ .16	48	46	+ 1	W	1	b	1	c	55	35	0.01		
	Aberdeen ...	30.18	49	N	2	bc	30.26	+ .18	50	47	+ 2	SW	1	bcw	1	p.bc	53	38	0.01		
	Leith ...	30.16	54	E	1	b	30.28	+ .20	48	43	+ 1	W	3	bm	#	b	58	36	-		
	Shields ...	30.14	54	N	2	b	30.30	+ .26	50	48	0	WSW	2	c	2	r.b	57	48	0.06		
	Spurn Head ...	30.10	55	NE	3	bcv	30.27	+ .29	60	52	+ 9	NE	3	bcv	4	bcv	60	51	-		
	York ...	30.13	49	N	2	b	30.30	+ .29	49	47	+ 3	N	1	b	#	b	60	41	-		
	Loughborough	30.09	56	ENE	2	bc	30.29	+ .26	45	45	0	Z	0	bcw	#	bc	62	35	-		
BRITISH ISLANDS.	Ardrossan ...	30.14	56	NW	1	b	30.29	+ .21	50	46	+ 2	E	1	bm	1	bm	59	40	-		
	Malin Head ...	30.16	51	E	2	b	30.27	+ .20	52	48	+ 1	SSE	1	b	1	b	54	47	-		
	Mullaghmore ...	30.14	56	SE	3	b	30.26	+ .22	54	49	0	ESE	2	b	#	bc.b	59	42	-		
	Belmullet ...	30.16	55	NNE	3	b	30.30	+ .24	56	53	+ 5	SE	3	b	2	b	58	50	-		
	Dunaghadée ...	30.16	55	NNE	3	b	30.30	+ .24	56	53	+ 5	SE	3	b	2	b	58	50	-		
	Liverpool (Bidston)	30.11	54	ENE	3	b	30.29	+ .26	53	48	+ 4	E	2	m	2	b	59	46	-		
	Holyhead ...	30.06	57	ENE	4	c	30.27	+ .29	54	51	+ 2	ENE	3	bw	2	c	58	48	-		
	Parsonstown ...	30.09	54	NW	1	bc	30.26	+ .38	49	46	+ 3	Z	0	b	#	bc	59	41	-		
	Valencia ...	30.01	57	NE	6	c mg	30.22	+ .33	56	54	+ 4	E	3	b	4	cgm	60	46	-		
	Roche's Point	30.00	55	ENE	4	o	30.22	+ .37	54	51	+ 1	NE	3	bc	4	o	57	50	0.01		
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.98	56	E	4	c	30.18	+ .31	53	50	+ 1	ENE	4	b	4	o.c	60	48	-		
	Scilly ...	29.78	59	E	9	t	30.01	+ .35	57	55	+ 2	ENE	7	o	5	r	59	54	0.83		
	Prawle Point ...	29.89	57	ENE	6	o	30.07	+ .22	57	54	+ 1	ENE	6	og	5	op	58	54	0.19		
	Jersey (St. Aubin's)	29.87	62	E	5	og	30.00	+ .13	61	55	0	ENE	6	og	5	og	63	57	-		
	Hurst Castle ...	29.98	60	E	6	bc	30.14	+ .21	56	52	0	ENE	6	bc	3	bc	63	51	-		
	Dungeness ...	29.99	59	ENE	5	o	30.15	+ .24	57	53	0	ESE	5	c	4	c.o	62	55	-		
	North Foreland	30.02	57	E	6	c	30.16	+ .20	60	59	+ 4	E	5	bcq	5	bc	60	55	0.01		
	London ...	30.03	58	E	3	c	30.20	+ .21	57	57	+ 4	ENE	2	b	#	bcv	64	48	-		
	Oxford ...	30.10	53	NE	3	bc	30.22	+ .23	50	47	- 2	NE	3	c	#	b	62	41	-		
	Cambridge ...	30.07	56	NNE	3	b	30.24	+ .24	53	49	+ 7	NNE	2	b	#	b	62	34	-		
Yarmouth ...	30.03	58	NNE	3	b	30.22	+ .28	59	52	+ 6	NE	4	b	4	b	60	50	-			
GERMANY & HOLLAND.	Cuxhaven ...	29.97	52	WNW	3	c	30.23	+ .49	52	50	+ 1	SW	1	b	#	c	57	50	-		
	Berlin ...	29.94	51	WNW	5	bc	30.19	+ .41	47	44	- 3	WNW	2	b	#	bc	57	41	0.04		
	Wiesbaden ...	#	#	#	#	#	30.19	+ .24	51	47	- 2	N	2	b	#	#	61	48	-		
	Munich ...	30.06	55	SW	2	c	30.17	+ .19	49	47	- 4	NE	5	bc	#	c	61	46	-		
	The Helder ...	30.12	55	NNE	2	b	30.24	+ .36	55	51	0	S	1	b	#	b	59	50	-		
	Brussels (9 a.m.)	*	*	*	*	*	30.21	+ .25	49	47	- 2	NE	3	c	#	b	61	42	-		
	Cape Gris Nez	29.98	51	E	4	b	30.12	+ .23	50	47	- 7	E	3	c	2	b	61	46	-		
	Paris ...	29.95	62	ENE	2	o	30.06	+ .13	53	48	+ 5	NE	2	o	#	o	68	?	-		
	Brest ...	?	57	ESE	4	t	?	?	55	55	- 5	E	4	t	4	t	63	54	0.91		
	Lorient ...	29.75	?	SE	6	t	29.86	+ .07	57	53	- 3	E	6	o	3	t	64	35	0.98		
FRANCE AND BELGIUM.	Rochefort ...	29.74	72	ESE	3	o	29.80	- .06	59	58	+ 2	E	4	c	#	o	?	?	0.55		
	Belfort ...	29.87	66	N	1	b	29.99	+ .04	51	47	- 3	WNW	1	c	#	b	74	48	-		
	Lyons ...	29.86	66	Z	9	bc	29.99	- .04	67	63	0	E	2	bc	2	bc	77	59	-		
	Nice ...	29.86	67	N	2	bc	29.87	- .04	66	65	+ 5	S	2	o	#	bc	77	59	-		
	Perpignan ...	29.84	75	ENE	2	c	29.75	- .09	64	60	+ 7	ESE	3	b	3	c.l	88	57	-		
	Biarritz ...	29.67	75	ENE	2	c	29.75	- .09	64	60	+ 7	ESE	3	b	3	c.l	88	57	-		
	Corunna ...	29.91	66	WNW	2	b	29.90	- .06	65	62	- 3	WNW	2	bc	#	#b	77	64	-		
	Lisbon ...	29.91	66	WNW	2	b	29.90	- .06	65	62	- 3	WNW	2	bc	#	#b	77	64	-		

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Monday, 11th Sept^r 1893.

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:

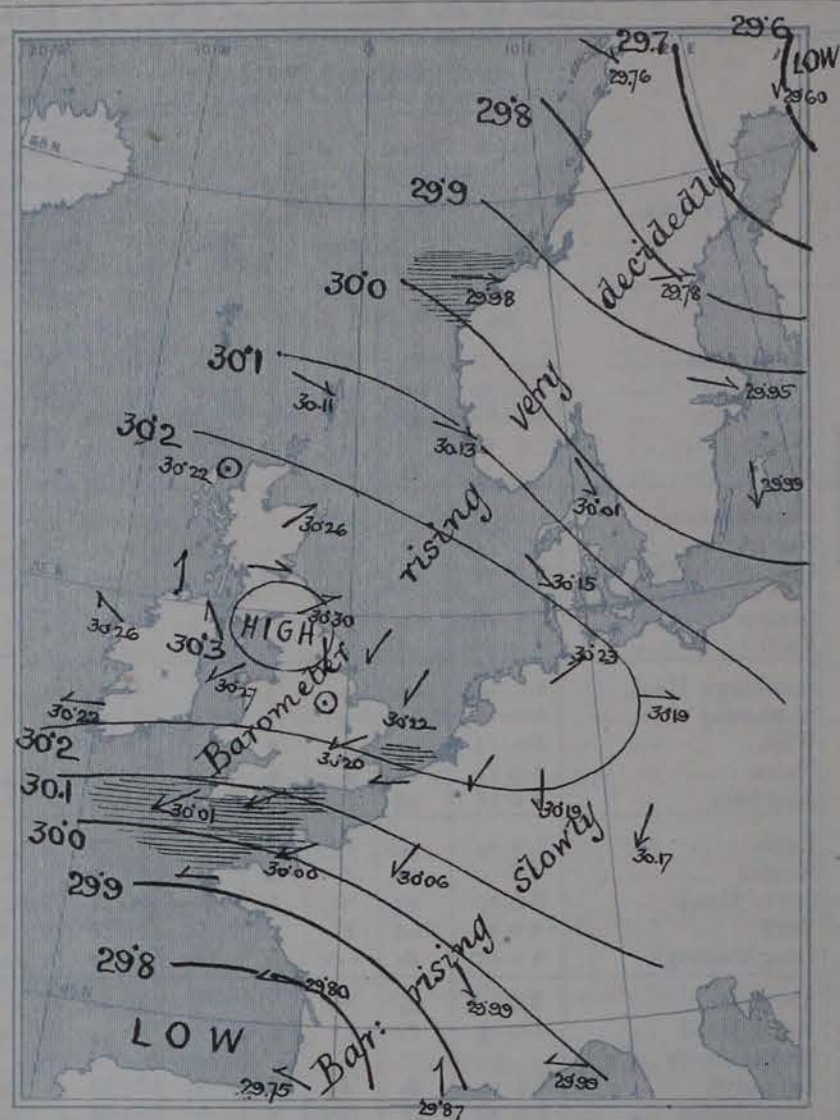
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871–1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrossan	29.885
Mullaghmore	29.800
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Scilly	29.971
Prawle Point	29.988
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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.

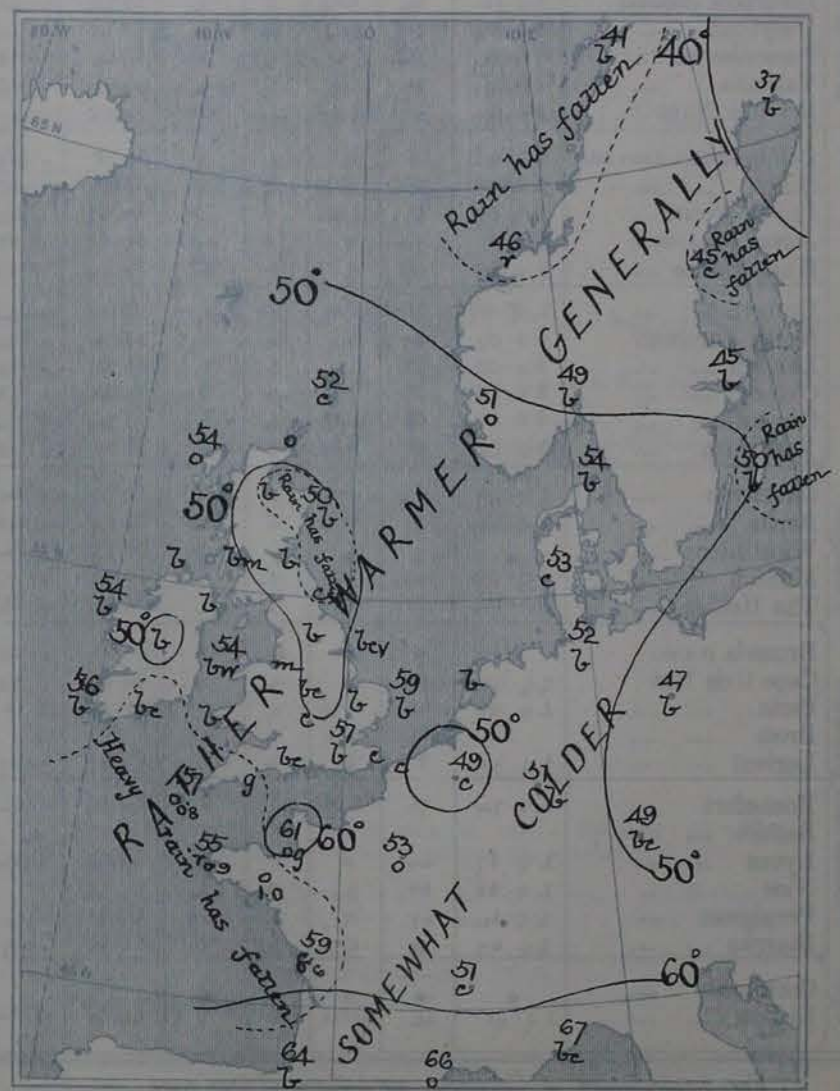
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	55.0	46.1	50.8	49.1	3.32
Stornoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.5	51.0	50.0	2.53
Nairn	59.2	46.5	51.3	48.9	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.97
Leith	61.9	47.5	53.2	50.8	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	55.5	53.8	2.92
York	62.9	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.76
Ardrossan	59.6	49.4	53.5	51.4	3.07
Mullaghmore	60.2	50.9	54.0	51.6	4.05
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.6	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.0	3.30
Parsonstown	61.5	47.4	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.68
Pembroke	60.4	53.0	56.1	53.9	3.58
Scilly	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	65.4	54.8	59.9	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	66.4	49.0	55.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.66
Cambridge	65.6	48.1	54.6	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.91

NOTE.—The Temperature means are for the 20 years 1871–90, the Rainfall means are mainly those for the 25 years 1866–90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins: to 30.3 ins: in a large anticyclone covering all but the extreme southern parts of our Islands, with the Netherlands, and the greater part of the North Sea.
 Lowest, 29.6 ins: and less, over Lapland; 29.8 ins: and less, in a depression lying over the southern part of the Bay of Biscay.
 Gradients slight generally, but moderate over the northwest of France and the western part of the Channel.
 Barometer rising generally.

TEMPERATURE

Highest, 67° at Nice, 66° at Perpignan, 64° at Béziers, 61° at Jersey, 60° at Guernsey and the North Foreland, and 59° at Yarmouth and Rochford.
 Lowest, (1.) 37° at Napavanda, 41° at Bodø, and 45° at Åmösund and Stockholm; (2.) 45° at Loughborough; (3.) 47° at Berlin.
 The shade minima registered ~~last night~~ last night were below 40° at many of our inland stations; at Loughborough the thermometer on the grass fell to 29°.

WIND

Light from the Wnd in Scotland; moderate from the same quarter or from NW. in Scandinavia and Denmark.
 E or NE^s over the south of our Islands, Belgium, South Germany, and the greater part of France; strong, in force at most of the Channel stations.
 SE^s or S^s in the south of France.

WEATHER

Fine in most parts of Northern Europe, but dull in the extreme north of Scotland and the west of Norway, with rain at Christiansund.
 Dull also in the southwest of England and at most of the French stations.
 Heavy rain fell yesterday over the Bay of Biscay and the mouth of the Channel, the largest amount being 1.0 inch at Lorient, 0.9 inch at Brest, and 0.8 inch at Bally. A solar ^{halo} was seen yesterday at Oxford.

SEA

Rough at Christiansund, and rather rough in the eastern part of the English Channel, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off our southwest coast yesterday has travelled away to the southeastward, and a large anticyclone is now spreading over the greater part of Northern Europe. Fine weather is therefore probable in most districts.

FORECASTS

For the 24 hours ending at NOON on 12th SEPT: 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

Light breezes, chiefly W^s; fair generally.
 N^s and NE^s winds, light; fine generally.
 Very cold tonight.
 E^s winds, light or moderate; fair generally. Very cold tonight.

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

WARNINGS

Light Variable airs; fine generally.
 E^s winds, light; fine generally.
 E^s winds, strong to moderate; fair generally.
 Same as No. 7.
 None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.96	54	47	W	7	c	3	Valencia ...							
Sumburgh Head ...								Scilly ...							
Stornoway ...	30.13	58	50	W	2	c	2	Jersey ...	29.88	62	56	ESE	4	o	3
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	29.97	61	54	E	4	c	3
Ardrossan ...								North Foreland ...	30.00	69	59	NNE	4	bc	3
Malin Head ...	30.13	54	47	E	4	b	2	London ...							*
Mullaghmore ...								Yarmouth ...							
Belmullet ...	30.12	50	50	ESE	3	bc	3	Rochefort ...	29.81	76	64	SE	3	bc	*
Holyhead ...	30.06	57	50	ESE	4	bc	3								

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

Weather fine over the greater part of our Islands, but dull and rainy on our extreme southwest coasts. Dull also over the north of France, south Germany, Italy and the west of Norway, and rainy at several of the Russian stations; fine in Sweden, Denmark and North Germany, as well as in Spain and the south of France. Heavy rain falling during day in the southwest of England and the northwest of France, and smaller amounts in Scandinavia and the northeast of Great Britain. Solar halo seen at Oxford in afternoon.

Temperature fallen in most countries. Morning readings 78° at Algiers, 77° at Brindisi, Palermo and Genoa, and 76° at Malta, above 70° at most of the Mediterranean stations, and above 65° on the coasts of the Spanish Peninsula. Lowest (1) 36° at Uleaborg, 39° at Haparanda, 41° at Bodö, and 43° at Kuopio; (2) 45° at Loughborough, and 46° at York and Cambridge (below 50° over the northern and central parts of the United Kingdom generally). Daily maxima very little above 60° in any part of our Islands, but thermometer exceeding 70° in the south of France, and reaching 88° at Biarritz. Ground frost occurring over central England at night.

Wind SE² in the west of France, and E² over Ireland, Wales, and the south of England, with a gale at the mouth of the Channel. Light from the NW⁴ in the eastern parts of Great Britain, strong from the NW⁴ or N⁴ in Scandinavia and Denmark, with gales at Faeröer and Wisby, light from the W⁴ or S⁴ over Germany and Poland, and from the S⁴ over the central and southern parts of Russia. Variable in Spain, Italy and Algeria. No important change occurring later but E² gale at mouth of Channel, increasing somewhat in strength.

Barometer highest 30.0 ins. and upwards in an anticyclone lying over the Nth parts of the United Kingdom, 29.9 ins. and upwards over the greater part of France and Spain. Lowest 29.1 ins. and less in a depression over the extreme Nth of Russia, 29.7 ins. and less in another system lying off the mouth of the Channel. Latter system subsequently moving SE⁴ and anticyclone spreading S⁴ and E⁴.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 3rd TO 9th SEPT. 1893.

The weather experienced over the United Kingdom was fine and bright during the two first days of this week; the distribution of pressure was anticyclonic, and the winds were light. The anticyclone, however, was moving southwards, and as it did so S² to SW² winds began to set in, and temperature rose, so that the day-maxima soon became as high as 75° and more in many parts of the country.

On Wednesday a depression of complex character advanced over the northern half of our area from the westward, and this with some secondary disturbances which appeared further south brought more or less of rain to all parts of the Kingdom, and strong winds from the SW⁴.

On Friday the centre of a main system lay over Scandinavia, and a V-shaped secondary stretched thence to Scotland. During that day the latter moved SE⁴ quickly, and as it passed over, the wind after being strong in squalls from the W⁴ shifted to N. or NW. suddenly in a heavy squall, and, a considerable fall of temperature occurred all over the Kingdom, with a clearing sky and dry air.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on TUESDAY, 12TH SEPTEMBER, 1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.	TRMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.		
				Reading at 32° F. and Sea Level.	Dry Bulb.		Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Dirac.	Force (0 to 12).		Max.	Min.
		Inch.	°				Inch.	°	°	°						°	Inch.			
SCANDINAVIA.	Haparanda ...	29.70	33	NW	2	b.	29.84	+2.4	37	33	0	N	2	b.	*	48	32	—		
	Hernösand ...	29.98	33	2	0	b.	29.84	+0.4	44	44	-1	2	0	0	*	47	37	0.20		
	Stockholm ...	30.02	49	W	2	b.	30.05	+1.0	50	46	+5	WNW	2	0	*	55	39	—		
	Wisby ...	30.08	49	NW	4	b.	30.16	+1.7	51	50	+9	WNW	4	b.	*	55	43	0.04		
	Bedö ...																			
	Christiansund...	29.98	49	SW	5	T	29.84	-0.4	52	51	+6	SWW	9	T	7	52	46	0.69		
	Skudesnaes ...	30.20	49	NNW	2	b.	30.25	+1.8	55	52	+4	WNW	4	C	2	52	45	0.43		
	Christiania Fjord (Farder)																			
	Skagen (The Scaw)	30.12	51	NW	2	b.	30.16	+1.5	54	51	0	W	1	b.	0	61	46	—		
	Fanö ...	30.22	55	WNW	4	C	30.20	+1.8	55	51	+2	NW	4	b.	*	59	52	—		
BRITISH ISLANDS.	Sumburgh Head	30.17	53	W	3	b.	30.09	-0.4	54	50	+2	W	3	C	3	58	51	—		
	Stornoway ...	30.21	53	W	3	C	30.09	-1.3	56	52	+2	SW	5	C	5	61	48	—		
	Wick ...	30.26	53	N	1	C	30.14	-0.6	53	52	0	SW	2	C	1	59	44	—		
	Nairn ...	30.23	54	2	0	b.	30.17	-0.8	54	50	+6	SW	2	b.	1	63	41	—		
	Aberdeen ...	30.29	53	S	1	b.	30.23	-0.3	52	48	+2	SW	1	brn	1	58	37	—		
	Leith ...	30.28	53	WNW	2	b.	30.29	+0.1	49	44	-1	W	2	brn	*	61	37	—		
	Shields ...	30.30	53	SE	1	brn	30.33	+0.3	45	43	-5	SW	1	brn	2	58	41	—		
	Spurn Head ...	30.30	53	ENE	3	b.	30.36	+0.9	55	51	-5	N	2	brn	3	61	50	—		
	York ...	30.31	53	N	2	b.	30.38	+0.8	40	40	-9	N	1	b.	*	62	34	—		
	Loughborough	30.29	59	ENE	1	b.	30.39	+1.0	41	41	-4	2	0	brn	*	66	31	—		
GERMANY & HOLLAND.	Ardrossan ...	30.29	57	S	1	b.	30.28	-0.1	55	52	+3	SWW	3	C	3	60	42	—		
	Malin Head ...	30.27	56	ENE	2	b.	30.24	-0.3	50	48	-2	S	3	b.	1	61	49	—		
	Mullaghmore ...																			
	Belmullet ...	30.29	59	W	1	C	30.29	+0.3	58	53	+4	SW	2	0	*	63	49	—		
	Donaghadee ...	30.33	54	S	3	b.	30.33	+0.3	49	47	-7	W	2	b.	1	60	43	—		
	Liverpool (Bldston)	30.30	53	NNE	1	b.	30.36	+0.7	52	48	-1	SE	2	b.	1	63	46	—		
	Holyhead ...	30.28	56	NE	2	b.	30.33	+0.6	60	57	+6	2	0	brn	0	62	48	—		
	Parsonstown ...	30.27	59	NW	1	b.	30.34	+0.8	43	42	-6	2	0	b.	*	61	36	—		
	Valencia ...	30.27	53	SW	2	b.	30.36	+1.4	49	47	-7	ENE	1	brn	1	66	41	—		
	Roche's Point	30.28	59	ENE	2	b.	30.35	+1.3	52	50	-2	N	2	brn	3	62	47	—		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.20	61	ENE	3	b.	30.32	+1.4	54	52	+1	ENE	3	b.	2	63	49	—		
	Scilly ...	30.16	60	ENE	5	b.	30.24	+2.3	58	53	+1	ENE	4	b.	3	63	53	—		
	Prawle Point ...	30.14	58	ENE	6	b.	30.25	+1.8	58	54	+1	ENE	5	b.	4	63	53	—		
	Jersey (St. Aubin's)	30.06	63	ENE	7	b.	30.14	+1.4	62	58	+1	E	7	b.	5	66	57	—		
	Hurst Castle ...	30.10	61	ENE	6	b.	30.37	+1.3	56	52	0	NNE	3	brn	3	65	48	—		
	Dungeness ...	30.15	59	E	6	b.	30.21	+0.6	60	55	+3	E	6	b.	4	63	57	—		
	North Foreland	30.20	59	E	5	b.	30.27	+1.1	61	60	+1	E	5	b.	5	61	57	—		
	London ...	30.24	59	E	3	b.	30.31	+1.1	56	51	-1	NE	2	b.	*	66	48	—		
	Oxford ...	30.28	58	E	2	b.	30.34	+1.2	53	49	-8	NW	2	b.	*	66	42	—		
	Cambridge ...	30.27	58	NNE	2	b.	30.31	+0.7	47	45	-6	N	1	b.	*	67	39	—		
PENINSULA.	Yarmouth ...	30.27	60	ENE	4	b.	30.33	+1.1	59	54	0	ENE	3	b.	3	62	53	—		
	Cuxhaven ...	30.30	52	N	2	C	30.36	+1.3	51	50	-1	WNW	1	b.	*	58	50	—		
	Berlin ...	30.27	53	2	0	b.	30.35	+1.6	50	47	-3	NW	2	b.	*	61	46	—		
	Wiesbaden ...		*	*	*	*	30.26	+0.7	54	47	-3	NE	4	b.	*	63	41	—		
	Munich ...	30.18	51	E	3	b.	30.21	+0.4	48	45	-1	NE	5	b.	*	63	43	—		
	The Helder ...	30.24	59	NE	2	b.	30.40	+1.1	56	51	+1	E	1	b.	1	61	52	—		
	Brussels (9 a.m.)	*	*	*	*	*	30.26	+0.5	47	44	-2	NE	3	b.	*	62	39	—		
	Cape Gris Nez	30.16	5	E	5	b.	30.21	+0.9	51	49	+1	E	4	b.	3	61	45	—		
	Paris ...	30.05	63	NE	3	b.	30.12	+0.6	50	45	-5	NE	3	b.	*	63	48	—		
	Brest ...	2	64	NE	4	b.	*	*	56	53	+1	E	3	b.	*	70	52	0.20		
PENINSULA.	Lorient ...	29.92	61	ENE	5	C	30.01	+1.5	57	50	0	NE	6	b.	4	72	54	—		
	Rochefort ...	29.80	69	ENE	4	f	29.84	+0.4	59	56	-2	E	4	T	*	82	53	0.95		
	Belfort ...	*	60	NE	2	C	*	*	53	52	*	NE	4	C	*	64	43	—		
	Lyons ...	29.96	65	NE	1	0	30.00	+0.2	59	58	+1	N	1	C	*	76	3	0.12		
	Nice ...	29.98	67	E	4	T	30.00	+0.1	62	58	-5	NE	4	T	4	72	59	0.08		
	Perpignan ...	29.88	64	SW	2	T	29.85	-0.2	63	62	-1	NW	1	0	3	72	61	1.58		
	Biarritz ...	29.75	64	ENE	5	EL	29.84	+0.9	64	61	0	WNW	3	0	3	75	59	0.75		
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Lisbon ...	29.43	65	WNW	3	T	29.49	+0.9	67	62	+2	NNW	1	C	*	73	63	0.04		

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Tuesday, 12th Sept^r 1893.

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.

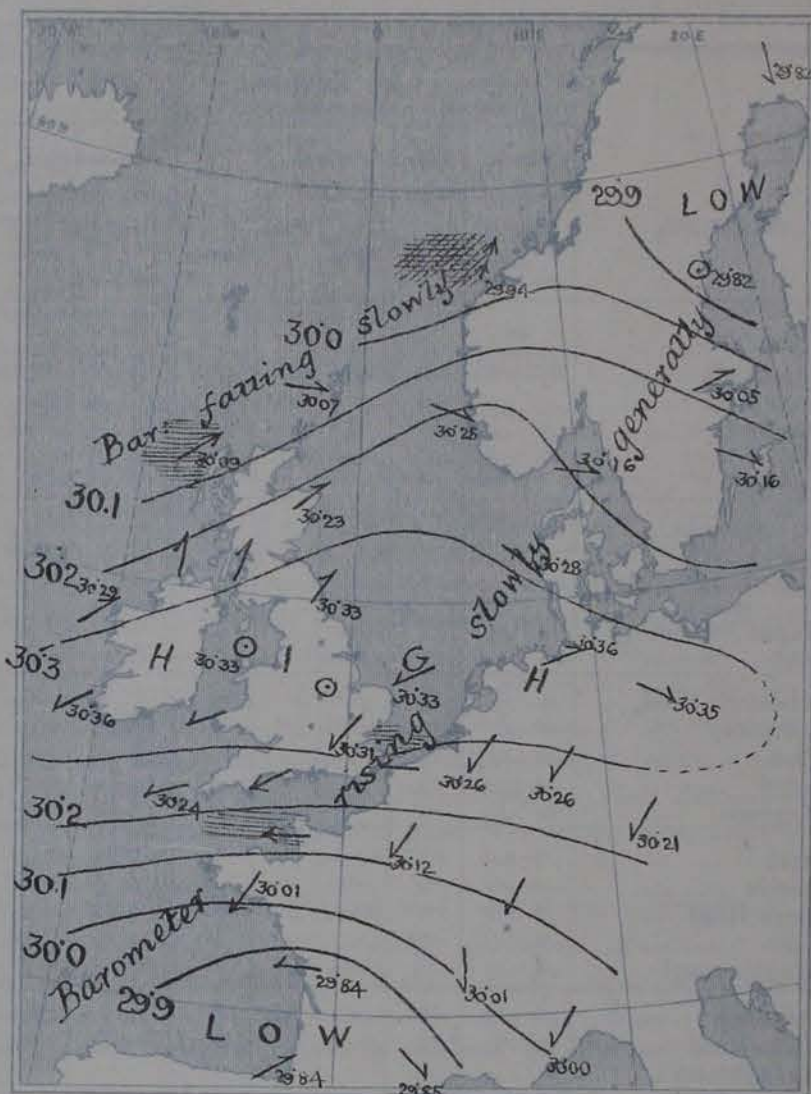
SEA DISTURBANCE—Where considerable, is shown thus—

— Rough — High.

MEAN HEIGHT OF THE BAROMETER

at 80 ft. m. for the month of September.
During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrossan	29.885
Mullaghnore	29.890
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Sally	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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.

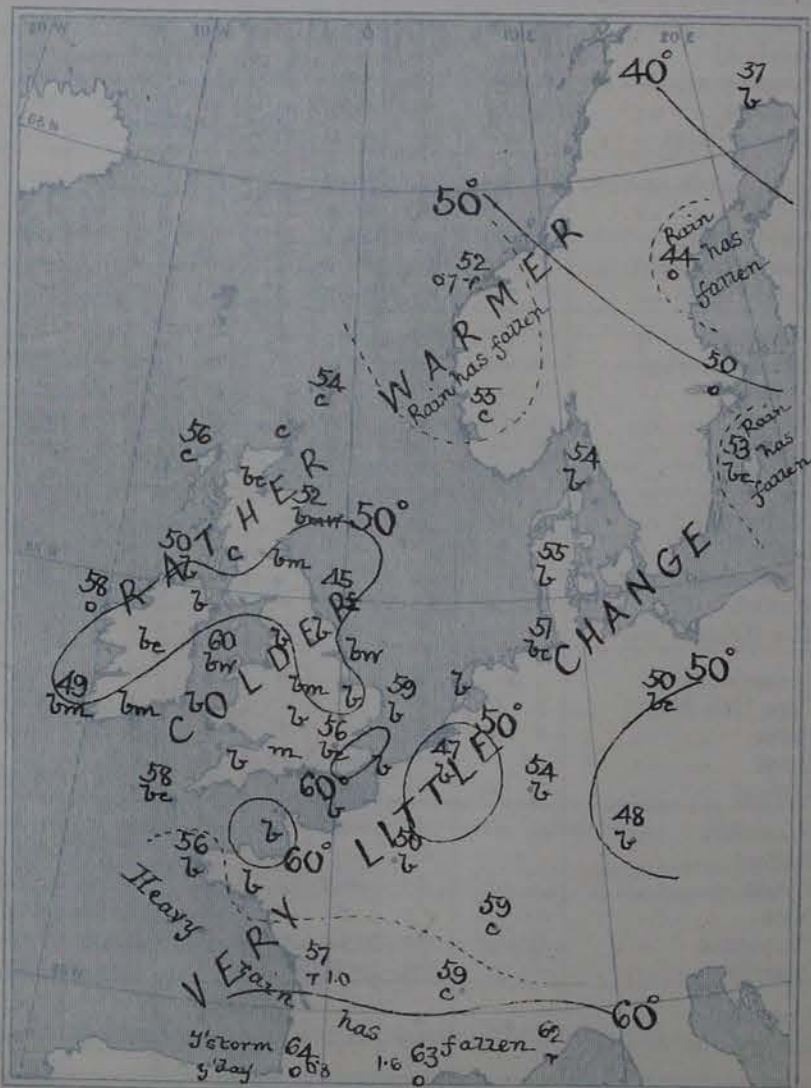
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Mean	Trade Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	55.0	46.1	50.8	49.1	3.32
Stornoway	56.3	45.8	51.1	50.1	4.10
Wick	57.7	45.5	51.9	50.0	2.53
Nairn	56.2	46.5	51.3	48.9	2.58
Aberdeen	59.2	49.7	52.1	49.7	2.97
Leith	61.2	47.5	53.2	50.8	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	55.5	53.8	2.02
York	62.9	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.70
Ardrossan	59.6	49.1	53.6	51.4	3.67
Mullaghnore	60.2	50.0	54.0	51.6	4.05
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.6	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.30
Parsonstown	61.5	47.4	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	60.1	53.0	56.1	53.9	3.58
Sally	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	65.4	54.8	59.0	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	66.4	49.0	55.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.06
Cambridge	65.6	48.1	54.6	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.31

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1865-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in. and upwards, over the greater part of Ireland, England, the Netherlands, and North Germany, with the southern half of the North Sea.
Lowest, 29.9 in. and less, in the south of Scandinavia, and also in a depression lying over the southwest of France.

Gradients moderate for E winds over the Channel and north of France and for SW winds over the northern parts of our area, light elsewhere.
Barometer falling in the north of our Islands and the west of Norway, but rising in nearly all other localities.

TEMPERATURE

^{67° at Lismore}
Highest, 64° at Biarritz, 63° at Perpignan, 62° at Jersey and Nice, 61° at the North Foreland and 60° at Dungeness.
Lowest (1) 37° at Haparanda, and 44° at Helsingfors; (2) 40° at York, 41° at Loughborough, and 43° at Portsmouth; (3) 47° at Brussels, and 48° at Munich.
During yesterday the thermometer rose to between 65° and 67° at several of our central and southern stations. At Loughborough the shade minimum was as low as 31°.

WIND

SW over the north of our Islands and the west of Norway; fresh in force in the Hebrides, and strong to a gale at Christiansund.
Light to moderate from the W over Denmark, North Germany, and the south of Scandinavia.
E or NE over France, the Netherlands, the south of our Islands and the western and southern parts of Germany; strong in force at some of the Channel stations.

WEATHER

Fine over the greater part of the United Kingdom as well as in Denmark, Germany, the Netherlands, and the north of France.
Dull at many of the Scandinavian stations and also in the south of France; rainy at Christiansund, Rochefort, and Nice.
Heavy rain has fallen in the west and south of France, the largest amount being 1.6 in. at Perpignan and 1.0 in. at Rochefort.
A considerable quantity has fallen also in the west of Norway, but in our Islands there has been none.

SEA

High at Christiansund, and rather rough at Stromsund, as well as at Jersey and the North Foreland, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Depressions are beginning to approach Scandinavia from the eastward, and less settled weather is probable on our extreme northern coasts. The southern parts of our Islands are not likely to be affected within the ensuing 24 hours.

FORECASTS

For the 24 hours ending at NOON on 13th Sept: 1893.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW ² and W ² winds, freshening; cloudy some rain.
1	SCOTLAND EAST	} SW ² winds, light; fine generally.
2	ENGLAND N.E.	
3	ENGLAND EAST	} E ² and NE ² winds, light; fine generally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as Nos 1 and 2.
7	ENGLAND N.W.	Variable breezes, finally SW ² ; fine generally.
8	ENGLAND S.W.	E ² winds, light; fine generally.
9	IRELAND NORTH	SW ² winds, moderate; fine to cloudy and showery.
10	IRELAND SOUTH	Same as No 7.
WARNINGS		None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	30.17	57	57	WNW	5	c	2	Valencia ...	30.26	64	58	E	1	bcn	2
Sumburgh Head ...	30.19	57	53	WNW	1	bc	2	Scilly ...	30.08	63	56	ENE	5	bc	4
Stornoway ...	30.24	58	58	W	3	c	3	Jersey ...	30.04	62	56	E	7	bcn	5
Aberdeen ...	30.29	58	50	NE	2	c	2	Hurst Castle ...	30.17	64	56	E	5	c	4
Shields ...	30.31	56	50	E	2	c	2	Dungeness ...	30.17	61	55	E	6	c	5
Ardrossan ...	30.29	57	54	S	1	c	2	North Foreland ...	30.27	61	60	E	5	bc	6
Malin Head ...	30.29	57	52	NE	1	c	0	London (Windsor) ...	30.22	64	58	E	5	bc	*
Mullaghmore ...	30.31	63	56	SW	1	c	*	Yarmouth ...	30.26	62	55	ENE	4	bc	4
Belmullet ...	30.31	63	56	SW	1	c	*	Rochefort ...	29.92	79	72	ESE	3	bc	*
Holyhead ...	30.28	61	54	ENE	1	bc	2								

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

Weather fine over the greater part of our Islands and the Continent, but dull in the extreme north of Scotland and the west of Norway with rain at Christiansund. Dull also over the south of Russia and the northern parts of France, and raining at Brest. Considerable quantities of rain falling during day in the west of Norway and still larger amounts in the west and south of France, with a thunderstorm at Biarritz.

Temperature risen in most of the western countries, but fallen elsewhere. Morning readings highest 84° at Algiers, 78° at Barcelona, 77° at Malta and 75° at Khivisi; above 65° over southern Europe generally. Lowest (1) 37° at Haparanda, 40° at Uleaborg and Helsingfors, and 41° at Rodeo and Kuopio, (2) 45° at Shields and Loughborough; (3) 45° at Munster, Breslau and Prague, below 50° in many parts of the central and northern countries. Rising during day to 65° or a little above it in the central and southern parts of our Islands, to 70° or more in France and to 82° at Rochefort and Perpignan. Frost occurring over Central England at night.

Wind S² or SE² in the south of France and over the northern and central parts of Spain, E² or NE² over the remainder of France and the greater part of Ireland and England; strong in force in the English Channel. Light from the W² in the north and east of Scotland, moderate to fresh from the same quarter or from NW. over Scandinavia, Denmark, the Baltic, and the northern parts of Germany and Russia. N² in the south of Russia; variable in Austria, Italy, and Algeria. Subsequently shifting to the S² or SW² in Ireland; no important change occurring elsewhere.

Barometer highest 30.2 ins. to 30.3 ins. over all but the southern parts of our Islands, with the Netherlands, and the greater part of the North Sea. Lowest 29.4 ins. and less, in the neighbourhood of the White Sea; 29.8 ins. and less, in a depression lying over the north of Spain and the southern part of the Bay of Biscay; 29.9 ins. and less, in a shallow area over Asia Minor. No important change occurring over Western Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on

Wednesday, 13th September,

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)											PAST 24 HOURS.			
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.			
				Reading at 5 ³⁰ P. and Sea Level.	Dry Bulb.		Dir.	Force (0 to 12).	Reading at 5 ³⁰ P. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Dir.	Force (0 to 12).		Max.	Min.	
		Ina.	°				Ina.	°	°	°							°	Ina.			
SCANDINAVIA.	Haparanda ...	29.87	37	2	0	b	29.62	-22	38	38	+1	SW	6	7	#	b	48	24	0.04		
	Hernösand ...	29.90	44	?	?	b	29.70	-12	49	47	+5	SW	4	0	#	b	50	37	0.28		
	Stockholm ...	29.97	55	W	2	b	29.86	-19	54	60	+4	WSW	4	0	#	b	61	41	-		
	Wisby ...	30.09	56	SW	6	bc	30.02	-14	54	51	+1	WSW	8	0	#	bc	59	45	-		
	Bodö ...	29.53	41	E	1	0	28.95	-87	42	41	+3	ESE	4	7	2	0	45	36	0.51		
	Christiansund...	29.80	54	SW	8	7	29.56	-38	57	50	-1	SW	6	7	5	7	54	?	0.51		
	Skudesnaes ...	30.12	55	SSW	4	0	29.82	-43	55	54	0	S	6	7	3	c, 0	61	54	-		
	Christiania Fjord (Færdier)	30.04	57	WNW	4	b	29.87	-43	55	53		WSW	7	0	4	b	59	55	-		
	Skagen (The Scaw)	30.17	54	W	4	b	30.01	-15	57	53	+3	W	1	6	0	b	61	50	-		
	Fanö ...	30.26	54	W	2	b	30.13	-15	57	52	+2	W	4	c	#	b	63	54	-		
BRITISH ISLANDS.	Sumburgh Head	29.90	53	WSW	4	0	29.40	-67	54	53	0	W	2	7	4	b, 0	56	49	0.81		
	Stornoway ...	30.00	58	SW	6	c	29.57	-62	55	55	-1	W	5	7	5	0, c	60	54	-		
	Wick ...	30.02	57	SW	2	0	29.53	-61	56	56	+3	W	1	7	1	0	58	50	0.40		
	Nairn ...	30.03	57	SW	3	c	29.57	-60	62	60	+8	SW	3	bp	3	c	62	52	0.14		
	Aberdeen ...	30.11	57	SW	2	og	29.69	-54	57	53	+5	SSW	5	cq	3	c, um, p	64	51	0.20		
	Leith ...	30.18	58	WSW	4	c	29.85	-44	60	56	+13	SW	6	0	#	c	64	43	-		
	Shields ...	30.23	59	W	2	cm	30.01	-32	58	53	+13	SSW	3	0	2	bc, cm	65	43	-		
	Spurn Head ...	30.28	57	SE	2	bc	30.16	-20	55	50	0	WSW	4	c	3	bc	61	50	-		
	York ...	30.27	57	S	1	b	30.15	-23	49	46	+9	S	3	b	#	b	65	39	-		
	Loughborough	30.29	59	WNW	1	bc	30.22	-17	47	46	+6	Z	0	cfw	#	bc	68	34	-		
GERMANY & HOLLAND.	Ardrossan ...	30.19	58	SSW	3	c	29.93	-35	58	57	+3	SW	4	0	3	c	59	54	0.14		
	Malin Head ...	30.18	58	SW	4	0	29.85	-39	60	59	+10	SW	7	0, q	4	0	62	50	0.02		
	Mullaghmore ...	30.24	59	SW	3	0	30.05	-24	62	61	+4	SW	4	om	#	c, 0	63	53	-		
	Belmullet ...	30.26	60	WSW	2	b	30.04	-29	57	55	+8	SSW	4	c	2	b	61	47	-		
	Donaghadee ...	30.26	60	WSW	2	b	30.04	-29	57	55	+8	SSW	4	c	2	b	61	47	-		
	Liverpool (Bldston)	30.29	59	WNW	1	b	30.19	-17	55	51	+3	S	1	c	1	b	64	50	-		
	Holyhead ...	30.28	59	WSW	1	b	30.17	-16	58	55	-2	SW	3	cq	2	bc, b	64	53	-		
	Parsonstown ...	30.28	60	Z	0	0	30.18	-16	55	53	+12	SW	1	og	#	b, 0	65	31	-		
	Valencia ...	30.32	60	SW	1	b	30.26	-10	61	59	+12	SSW	3	cqm	4	bm	63	49	-		
	Roche's Point	30.32	60	WSW	1	bc	30.28	-07	57	54	+5	WSW	1	c	3	b, bc	66	49	-		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.27	58	W	2	b	30.25	-07	59	57	+5	W	3	og	3	b	63	50	-		
	Scilly ...	30.28	60	WNE	4	b	30.27	+03	60	56	+2	WNW	2	ew	3	b, bc	61	55	-		
	Prawle Point ...	30.23	58	ENE	2	b	30.25	00	62	55	+4	WNW	2	b	1	b	65	48	-		
	Jersey (St. Aubin's)	30.15	63	ENE	5	bc	30.22	+08	63	56	+1	NE	4	b	3	bc	66	56	-		
	Hurst Castle ...	30.22	62	ENE	4	m	30.25	-02	54	50	-2	NE	3	bw	2	bm	67	47	-		
	Dungeness ...	30.18	61	ENE	6	bc	30.19	-02	58	56	-2	WNE	3	bc	3	bc	64	45	-		
	North Foreland	30.24	59	E	4	bcq	30.19	-08	62	57	+1	N	2	bw	2	bcq	62	56	-		
	London ...	30.26	58	E	2	b	30.24	-07	49	47	-7	W	1	bw	#	bc, b	68	41	-		
	Oxford ...	30.28	52	NE	1	b	30.25	-09	48	46	-5	SW	1	bcm	#	b	68	38	-		
	Cambridge ...	30.27	59	WNW	2	b	30.23	-08	46	45	-1	S	1	b	#	b	68	36	-		
PENINSULA.	Yarmouth ...	30.28	60	E	3	b	30.20	-13	53	50	-6	Z	0	bm	2	bw	63	45	-		
	Cuxhaven ...	30.36	54	WNW	2	e	30.29	-07	47	46	-4	SSW	2	m	#	c	58	47	-		
	Berlin ...	30.31	57	Z	0	b	30.27	-08	60	46	0	SE	2	b	#	b	63	46	-		
	Wiesbaden ...	30.31	57	Z	0	b	30.27	-08	60	46	0	SE	2	b	#	b	63	46	-		
	Munich ...	30.17	55	NE	4	b	30.19	-02	51	50	+3	W	1	b	#	b	63	45	0.39		
	The Helder ...	30.33	57	NE	2	b	?	?	53	52	-3	S	1	bc	1	b	59	50	-		
	Brussels (9 a.m.)	?	?	?	?	?	30.28	-06	54	46	+7	ENE	1	b	#	b	64	39	-		
	Cape Gris Nez	30.17	60	E	5	b	30.17	-04	54	50	+3	E	1	bc	1	b	64	46	-		
	Paris ...	30.08	64	NE	3	c	30.15	+03	50	46	0	WNE	2	b	#	c	70	47	-		
	Brest ...	?	62	E	4	b	?	?	54	53	-2	ENE	2	b	1	b	68	50	-		
FRANCE AND BELGIUM.	Lorient ...	30.07	64	WNE	5	b	30.17	+16	55	51	-2	WNE	5	b	3	b	70	54	-		
	Rochefort ...	29.91	59	ENE	5	0	30.00	+16	57	53	0	NE	4	0	#	0	70	54	-		
	Belfort ...	?	61	NE	3	0	?	?	59	53	0	NE	3	0	#	0	72	52	-		
	Lyons ...	29.97	60	W	1	0	30.09	+08	58	57	-1	WNW	1	0	#	0	67	46	0.04		
	Nice ...	29.99	66	E	2	7	30.06	+06	69	61	+7	E	2	0	4	7	73	55	0.32		
	Perpignan ...	29.86	70	E	3	0	30.05	+20	60	60	-3	SW	1	0	#	0	77	57	-		
	Biarritz ...	29.90	67	WNW	3	c	30.02	+18	64	60	0	SSW	3	e	3	c, l	72	61	0.08		
	Corunna ...	30.02	66	N	4	b	30.01	+02	66	61	-1	WNW	5	b	#	b	75	63	-		
	Lisbon ...	30.02	66	N	4	b	30.01	+02	66	61	-1	WNW	5	b	#	b	75	63	-		

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Wednesday, 13 Sept. 1893.

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 bars 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:

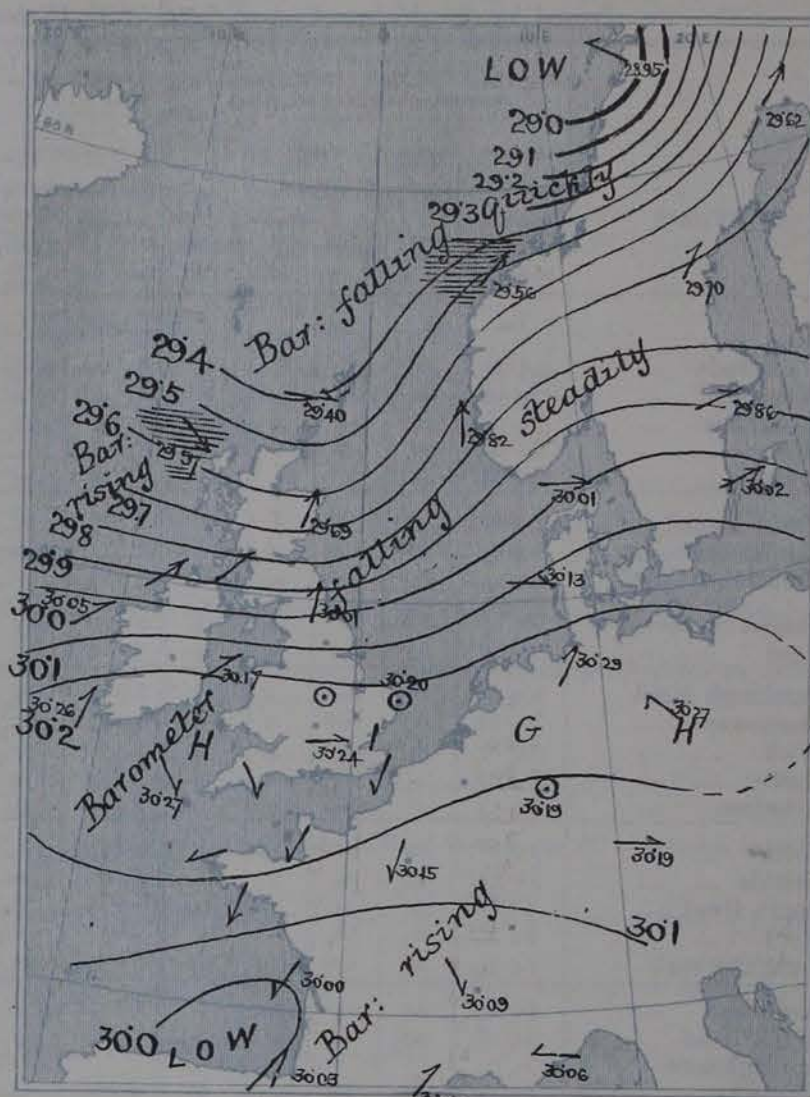
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871-1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Androsan	29.885
Mullaghmore	29.800
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Selly	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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.

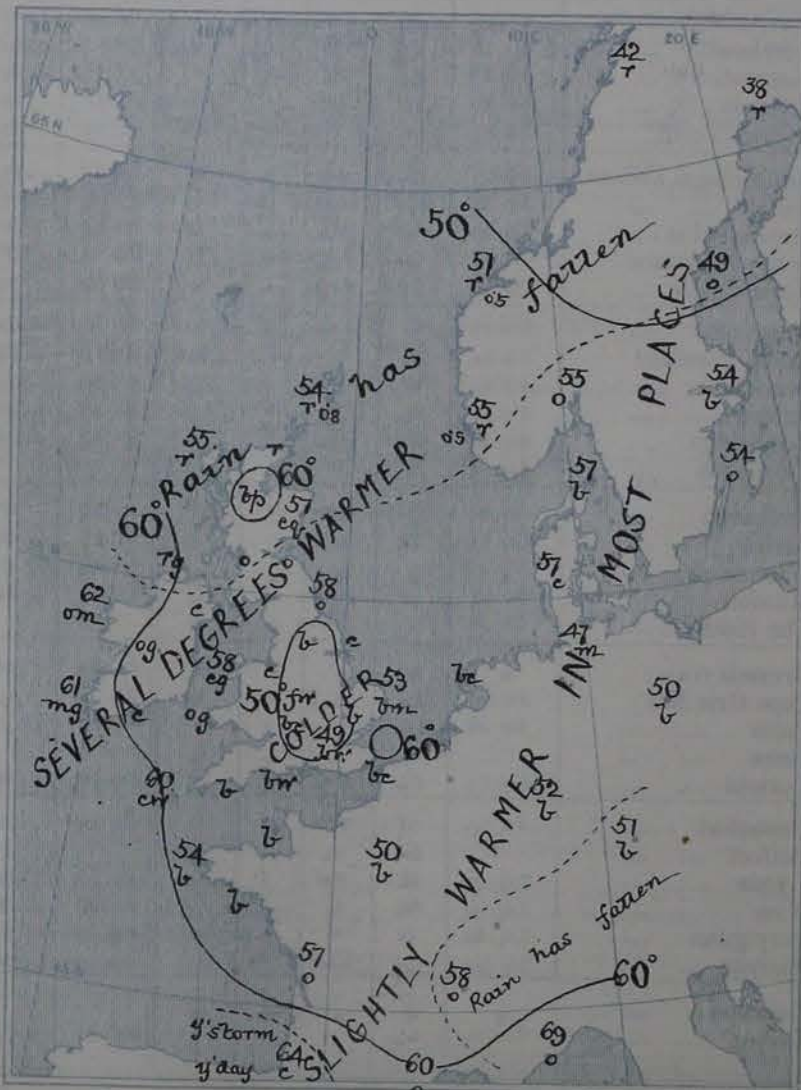
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	55.0	46.1	50.8	40.1	3.32
Stornoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.5	51.9	50.0	2.53
Nairn	58.2	46.5	51.3	48.9	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.97
Leith	61.9	47.5	53.2	50.8	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	55.5	53.8	2.92
York	62.9	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.76
Androsan	59.6	49.4	53.5	51.4	3.07
Mullaghmore	60.2	50.9	54.0	51.6	4.95
Donaghadee	59.6	49.2	53.2	52.3	3.04
Holyhead	60.7	52.6	55.7	53.5	3.23
Liverpool	61.2	59.8	54.5	51.9	3.30
Parsonstown	61.5	47.4	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.09
Pembroke	60.1	53.0	56.1	53.0	3.58
Selly	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	55.4	64.8	59.9	57.0	3.96
Hurst Castle	54.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	60.4	49.6	55.8	53.5	2.35
Oxford	64.0	48.9	61.0	52.1	2.00
Cambridge	65.6	48.1	54.0	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.61

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins: and upwards, in a large anticyclonic band stretching across the southern parts of our Islands, the extreme north of France, the Netherlands, and North Germany.
 Lowest, 29.0 ins: and less, in a deep depression lying off the northwest of Norway; 29.4 ins: and less, in a secondary system lying to the northwest of the Shetlands.
 Gradients steep over the northern part of the North Sea and the eastern and northern part of Scandinavia, and rather steep over Scotland.
 Barometer falling at nearly all but the French stations, quickly in Norway and the northeast of Scotland, but rising again at Tromsø.

TEMPERATURE

Highest, 69° at Nice, 66° at Lisbon, 64° at Biarritz, 63° at Jersey, 62° at Ayr, Balmuccia, and Prawle Point, and 61° at Valencia (Ireland).
 Lowest, (1) 38° at Haparanda, 42° at Rode, and 49° at Helsingfors; (2) 46° at Cambridge, 47° at Loughborough, and 48° at Oxford.
 The highest maxima registered over our Islands yesterday were 68° at Loughborough, London, Oxford, and Cambridge, and 67° at Hurst Castle.

WIND

NW³ in the north of Scotland, but SW¹ over the northern parts of our Islands generally, and strong in force in the north of Ireland and the south of Scotland.
 Strong from the SW² also over the greater part of Scandinavia, but E³ at Rode; light from the Wnd in Denmark.
 Light from the Nnd in the extreme south of England and also over the greater part of France.

WEATHER

Fine over Denmark, the Netherlands, Germany, the south of England and the north of France.
 B dull elsewhere, with rain in the west of Norway, and the northern part of Ireland and Scotland.
 Heavy rain has fallen in the extreme north and northwest of our Islands and the west of Norway, and smaller amounts in the southern part of France and Germany.

SEA

Rather rough at Christiansund and Tromsø, but slight or smooth in most other places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the north of Scotland seems likely to travel away to the northeastward or eastward, but fresh disturbances will probably appear off our northern coast shortly so that some extension of cloudy showery weather is anticipated.

FORECASTS

For the 24 hours ending at NOON on 14th SEPT: 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | } W ² to NW ² winds, strong and squally; unsettled, rain at times. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | SW ² and W ² winds, freshening; gusty, showery. |
| 3 | ENGLAND EAST | } Variable breezes, finally SW ² : fine to cloudy and showery. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----------|---------------|---|
| 6 | SCOTLAND WEST | Same as No 0 and 1. |
| 7 | ENGLAND N.W. | Same as No 2. |
| 8 | ENGLAND S.W. | W ² to SW ² winds, moderate; cloudy, local showers. |
| 9 | IRELAND NORTH | SW ² to W ² winds, strong; squally, some rain. |
| 10 | IRELAND SOUTH | SW ² winds, freshening; cloudy, 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.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.21	60	54	W.S.W.	4	c	3	Valencia ...	30.34	62	57	W	1	b.m.	1
Sumburgh Head ...	30.00	52	51	SW	3	r	3	Scilly ...	30.25	61	55	NE	4	bc	3
Stornoway ...	30.04	56	55	SW	6	r	6	Jersey ...	30.14	62	53	ENE	7	b	5
Aberdeen ...	30.15	62	54	SSW	3	c	1	Hurst Castle ...	30.22	67	59	E.N.E.	4	b	3
Shields ...	30.26	64	54	SW	4	b.m.	2	Dungeness ...	30.20	64	57	E	6	bc	5
Ardrossan ...	30.25	59	55	SSW	3	c	3	North Foreland ...	30.25	62	56	E	5	bc	5
Malin Head ...	30.22	61	56	SW	4	0	2	London (Westminster) ...	30.27	65	56	E	3	b	3
Mullaghmore ...								Yarmouth ...	30.30	63	56	ENE	3	b	3
Behnullet ...	30.28	62	56	SW	3	c	#	Rochefort ...	29.88	64	62	E	4	0	#
Holyhead ...	30.33	61	54	W	2	bc	1								

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

Weather fine over the greater part of our Islands and the Continent, but dull at several of the Scandinavian stations, with rain at Christiansund. Dull also over northern Italy; rains in the south of France and at Rochefort. Rain setting in later over the extreme north and northwest of our Islands, amounts large in the Shetlands and also in the west of Norway. Lightning seen at Rinnitz in evening.

Temperature changed very irregularly, but risen a little in most countries. Morning readings, ^{highest} 86° at La Calle, 83° at Sfax, 80° at Algiers, and 79° at Cagliari, above 70° at most of the Mediterranean stations, and slightly above 60° in the Channel Islands and the extreme southeast of England. Lowest (1) 37° at Archangel and Haparanda and 33° at Bodø and Hurnö; (2) 40° at York and 41° at Loughborough; (3) 42° at Riga, Warsaw, and Breslau. Rising during day to between 65° and 68° over the central and southern parts of the United Kingdom, and to 70° or more in France, the highest reading being 77° at Perpignan. Night very cold over the central parts of Ireland and England.

Winds SW³ over the north of our Islands and the west of Norway, with a strong gale at Christiansund; light or moderate from W. or NW. over Denmark, North Germany, Prussia, and the Baltic. E³ or NE³ over the Netherlands, western Germany, France, and the south of our Islands, and strong in force at the Channel stations, chiefly N⁴ in Spain and Italy, variable in Algeria. SW³ wind freshening later on our extreme northern coast; strong gale from NW. reported at Hornöy at night.

Barometer highest 30.3 ins. and upwards in a long band stretching across Ireland, England, and the southern parts of the North Sea, to North Germany, Poland, and Galicia. Lowest 29.7 ins. and less, in a depression in the neighbourhood of the White Sea, 29.9 ins. and less, over the north of Scandinavia and also in a large shallow area over the southwest of France, the northeast of Spain, and the western parts of the Mediterranean. Anticyclone subsequently becoming reduced both in size and height; deep depression approaching the Norwegian coast from the eastward.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 14th September, 1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.			
				Reading at 32° F. and Sea Level.	Dry Bulb.		Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Dirac.	Force (0 to 12).		Max.	Min.	
Ins.		°				Ins.	°	°	°							°	Ins.				
SCANDINAVIA.	Haparanda ...	29.19	48	SW	2	0	29.11	- 51	37	36	- 1	NE	6	0	#	?	?	?	0.43		
	Hernösand ...	29.13	51	S	6	1	29.06	- 64	47	45	- 2	NW	8	1	#	1	59	45	0.63		
	Stockholm ...	29.36	51	SSW	6	1	29.13	- 73	47	46	- 7	NW	8	1	#	1	59	48	0.24		
	Wisby ...	29.59	54	SW	8	1	29.33	- 69	54	51	0	NW	9	1	#	1	59	50	0.24		
	Bodo ...	29.26	45	Z	0	1	29.41	+ 06	42	39	0	N	5	60	3	1	46	39	0.51		
	Christiansund...	29.26	49	SW	2	1	29.59	+ 03	51	47	0	NW	5	c	6	1	52	48	1.42		
	Skudesnaes ...	29.56	54	NW	8	1	29.83	+ 01	52	49	- 3	NW	6	c	4	0.1	57	48			
	Christiania Fjord (Frier)	29.27	58	W	9	1	29.53	- 34	56	48	+ 1	NW	4	b	6	1	59	55			
	Skagen (The Scaw)	29.43	55	SW	9	c	29.61	- 40	56	50	- 1	NW	7	b	2	c	59	54	0.24		
	Fanö ...	29.79	58	WSW	8	1	29.87	- 26	57	52	0	NW	7	b	#	1	61	54	0.24		
BRITISH ISLANDS.	Sumburgh Head	29.60	53	NW	4	b	29.87	+ 47	53	51	- 1	W	2	c	3	b	56	50	0.01		
	Stornoway ...	29.82	57	NW	4	c	29.95	+ 38	54	53	- 1	Z	0	1	2	c	60	47	0.02		
	Wick ...	29.77	54	NW	4	c	29.97	+ 44	55	52	- 1	NW	3	c	2	c	58	46	0.20		
	Nairn ...	29.81	58	W	2	c	29.99	+ 42	56	52	- 6	Z	0	c	1	c	63	42	0.19		
	Aberdeen ...	29.82	58	W	2	b	30.03	+ 34	57	52	0	SW	2	b	2	p. c. b	63	48	0.12		
	Leith ...	29.86	61	WSW	4	b	30.03	+ 18	58	56	- 2	WSW	2	0	#	1	65	55			
	Shields ...	29.88	64	SW	4	0	30.09	+ 08	57	56	- 1	Z	0	om	2	0	65	55	0.04		
	Spurn Head ...	29.97	64	WSW	5	0	30.15	- 01	58	57	+ 3	NE	2	b	2	0	65	54	0.04		
	York ...	29.98	64	WSW	5	c	30.14	- 01	63	61	+ 14	W	3	c	#	c	64	48	0.01		
	Loughborough	30.08	64	WSW	4	c	30.21	- 01	62	59	+ 15	NW	4	0	#	c	70	47			
GERMANY & HOLLAND.	Ardrossan ...	29.90	59	NW	4	c	30.08	+ 15	60	59	+ 2	W	2	0	2	r. c	61	56	0.14		
	Malin Head ...	29.95	57	NW	2	0	30.08	+ 23	60	58	0	WSW	5	om	3	r. o	61	57	0.18		
	Mullaghmore ...																				
	Belmullet ...	30.09	61	W	5	0	30.19	+ 14	62	60	0	SW	3	0	#	og. d	63	60			
	Donaghadee ...	29.99	64	WSW	6	0	30.21	+ 17	64	60	+ 7	WSW	4	b	2	1	66	56			
	Liverpool (Bidston)	30.05	63	SW	4	0	30.21	+ 02	62	58	+ 7	W	4	0	3	0	67	55			
	Holyhead ...	30.08	62	WSW	2	og	30.23	+ 06	61	54	+ 3	W	2	og	2	og	64	57			
	Parsonstown ...	30.14	63	SSW	1	0	30.26	+ 08	60	58	+ 5	NW	1	c	#	0	65	54			
	Valencia ...	30.26	61	W	3	om	30.34	+ 08	61	60	0	SW	1	om	3	om	64	58	0.05		
	Roche's Point	30.22	65	NW	6	c	30.27	- 01	61	59	+ 4	W	2	0	3	c	66	56			
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.19	63	W	4	c	30.30	+ 05	61	59	+ 2	NW	3	c	3	o. c	64	59			
	Scilly ...	30.26	60	NW	3	c	30.32	+ 05	61	57	+ 1	NW	4	c	3	c	63	54			
	Prawle Point ...	30.23	60	NW	2	c	30.32	+ 07	61	58	- 1	NW	2	c	1	c	67	55			
	Jersey (St. Aubin's)	30.22	63	NW	3	ogm	30.33	+ 11	65	61	+ 2	NW	3	b	3	b. ogm	67	58			
	Hurst Castle ...	30.18	63	WSW	4	cm	30.29	+ 04	63	60	+ 9	W	3	b	2	b. cm	69	53			
	Dungeness ...	30.11	62	W	2	b	30.23	+ 04	62	60	+ 4	W	3	0	2	b	68	58			
	North Foreland	30.11	62	SSW	2	0	30.22	+ 03	65	60	+ 3	NW	3	og	2	b. o	65	57			
	London ...	30.12	64	WSW	1	c	30.25	+ 01	64	60	+ 15	W	1	b	#	b. o. b	70	48			
	Oxford ...	30.15	59	SW	3	0	30.25	00	63	60	+ 15	W	1	b	#	c. o	69	48			
	Cambridge ...	30.08	64	SSW	3	c	30.21	- 02	65	61	+ 19	NW	3	0	#	c	70	44			
PENINSULA.	Yarmouth ...	30.04	64	WSW	3	b	30.14	- 06	64	61	+ 11	NW	4	cm	2	b. b	67	51			
	Cuxhaven ...	30.02	55	W	2	0	30.00	- 29	58	55	+ 11	NW	5	c	#	0	62	47	0.08		
	Berlin ...	30.00	59	W	1	b	29.96	- 31	53	53	+ 3	W	4	1	#	b	66	50	0.04		
	Wiesbaden ...		#	#	#	#	30.20	+ 01	56	53	+ 4	NW	1	b	#	#	68	46			
	Munich ...	30.17	60	W	1	b	30.29	+ 10	64	59	+ 13	W	5	0	#	b	72	50			
	The Helder ...	30.04	60	SW	5	b	30.14	?	62	60	+ 9	NW	2	c	2	b	63	53			
	Brussels (9 a.m.)		#	#	#	#	30.23	+ 03	56	55	+ 2	WSW	2	0	#	b	69	50			
	Cape Gris Nez	30.13	66	WSW	3	b	30.19	+ 02	61	59	+ 7	NW	4	0	4	b	66	52			
	Paris ...	30.15	67	NNE	2	b	30.31	+ 16	50	48	0	SSW	1	b	#	b	77	45			
	Brest ...	?	60	NE	3	b	?	?	59	58	+ 5	NE	1	0	2	b	68	52			
PENINSULA.	Lorient ...	30.20	66	NE	4	c	30.33	+ 16	54	53	- 1	ENE	3	b	2	c	72	52			
	Rochefort ...	30.08	68	NW	2	b	30.21	+ 21	60	59	+ 3	NE	3	b	#	o. b	75	57			
	Belfort ...	?	64	W	3	b	?	?	62	54	+ 3	W	3	b	#	b	82	52			
	Lyons ...	30.15	66	S	1	c	30.30	+ 21	60	59	+ 2	NE	1	b	#	c	73	55	0.08		
	Nice ...	30.12	69	SSW	4	b	30.20	+ 14	67	61	- 2	E	1	b	#	b	77	63			
	Perpignan ...	30.13	68	E	1	b	30.25	+ 20	66	?	+ 6	W	2	b	#	b	?	?			
	Biarritz ...	30.12	70	NW	3	b	30.17	+ 15	61	60	- 3	SE	2	b	2	b	75	59			
	Corunna ...		#	#	#	#															
	Lisbon ...	29.97	72	N	4	b	29.98	- 03	68	60	+ 2	NNE	4	b	#	b	79	66			

For Explanation of Columns, see bottom of last page.

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

Erratum.—Owing to a telegraphic error the 8 a.m. Bar. reading at Bodo in yesterday's Report was incorrect; it should have read "29.35".

WEATHER CHARTS

for 8 a.m. on Thursday, 14th Sept. 1893.

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 6 to 7 : — forces 1 to 4 :
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

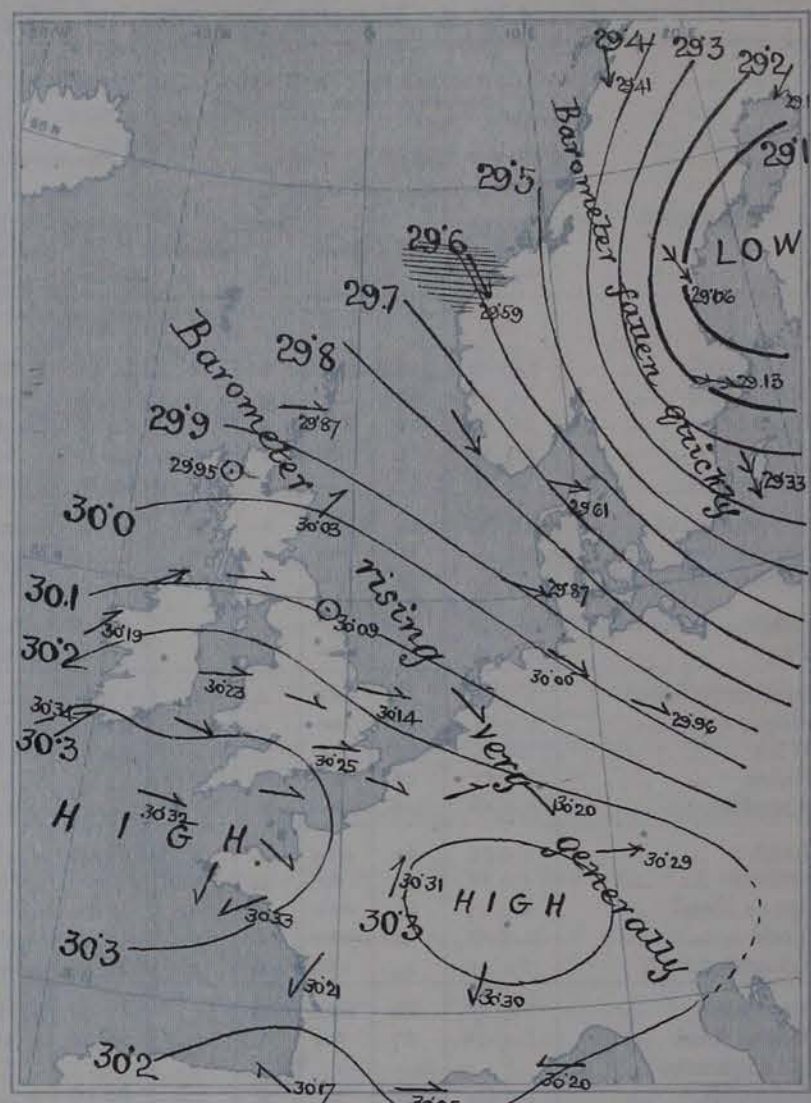
— = Rough — = High.

MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of September.

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.901
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrossan	29.885
Mullaghmore	29.800
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Seilly	29.971
Prawle Point	29.988
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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.

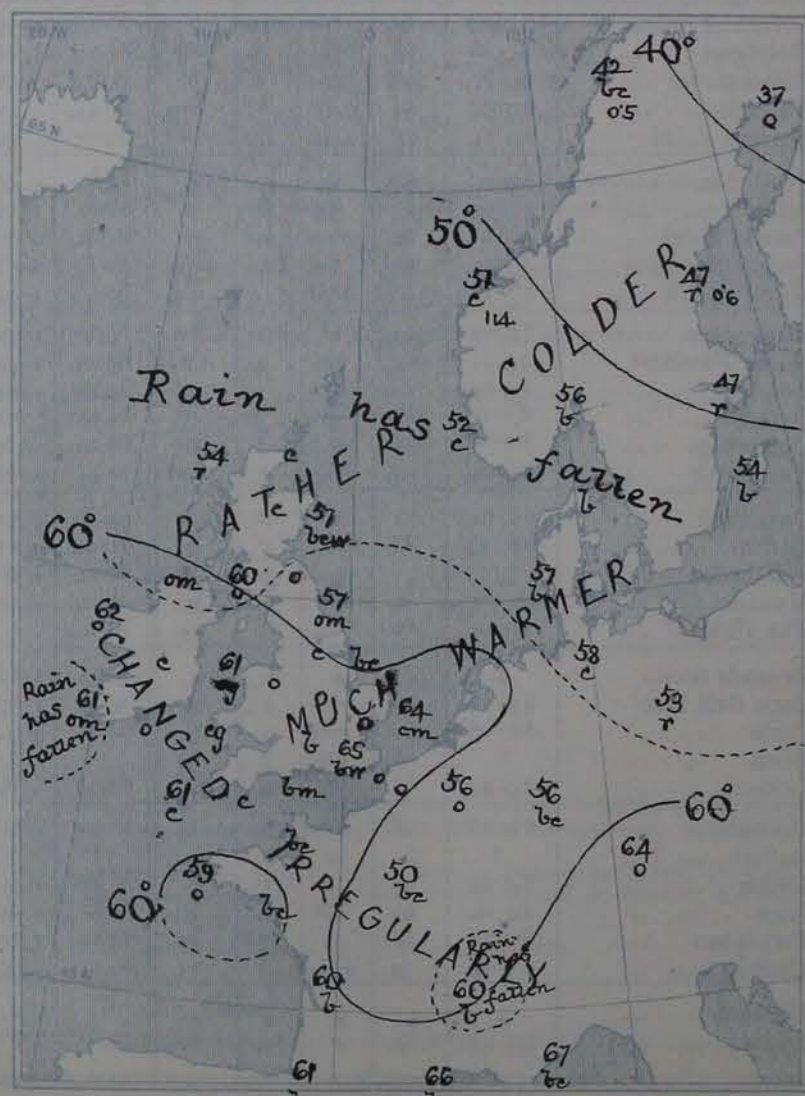
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of September.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Day at 8 a.m.	Wet	
Sumburgh Head	53.0	40.1	50.8	49.1	3.32
Stornoway	56.3	45.8	51.1	50.1	4.10
Wick	57.7	46.5	51.9	50.0	2.53
Nairn	59.2	46.5	51.3	48.0	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.07
Leith	61.0	47.5	53.2	50.8	2.34
Shields	59.3	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	55.5	53.8	2.12
York	62.0	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.76
Ardrossan	59.6	49.4	53.5	51.4	3.07
Mullaghmore	60.2	49.9	54.1	51.0	4.95
Donaghadee	59.0	49.2	53.5	52.3	3.04
Holyhead	60.7	52.6	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.30
Parsonstown	61.6	47.4	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.09
Pembroke	60.1	48.0	50.1	53.9	3.58
Seilly	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	65.4	54.8	59.9	57.0	3.03
Hurst Castle	64.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	66.4	49.6	55.8	53.5	2.35
Oxford	64.0	48.0	54.0	52.1	2.66
Cambridge	65.6	48.1	54.0	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.01

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: to 30.3 in: and upwards, in an anticyclone lying over France, South Germany, and the greater part of Ireland and England.
 Lowest, 29.1 in: and less, in a depression lying over the Gulf of Bothnia.
 Gradients slight over our Islands and France, but rather steep over Scandinavia, Denmark, and North Germany.
 Barometer rising at all but the Swedish stations.

TEMPERATURE

Highest (1) 68° at Lisbon, 66° at Perpignan, and 64° at Munich; (2) 65° at Jersey, the North Foreland and Cambridge, and 64° at Donaghadee.
 Lowest, (1) 37° at Haparanda, 42° at Bodö, 47° at Helsingfors and Stockholm, and 51° at Christiansund; (2) 50° at Paris; (3) 53° at Lumburg Ht., London and Yarmouth.
 A considerable rise of temperature has taken place over England; at Loughborough the minimum reading last night was as high as 60°, or 26° higher than on Tuesday night.

WIND

Light to moderate from the W^{ly} (SW to NW) over our Islands, the Netherlands and Germany.
 Strong from the NW^{ly} in Scandinavia and Denmark, with gales in Sweden.
 Light from the NE^{ly} in the west of France; variable in the east and south of that country.

WEATHER

Fair or fine over the greater part of Western Europe, but dull at several of our own western and northern stations, with rain at some.
 Dull also in Sweden and Germany, with rain at Helsingfors, Stockholm and Berlin.
 Heavy rain fell yesterday at several of the Scandinavian stations, and smaller amounts in the northern parts of our Islands. Solar halos were seen in the south of England.

SEA

Slight or smooth on our own and the French coasts, but rough at Christiansund and Vaerder.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new anticyclone is advancing eastwards over the more southern parts of our Islands. The wind is, however, inclined to back again in the extreme west, and it is therefore not unlikely that another depression will shortly approach our north-west or northern coasts.

FORECASTS

For the 24 hours ending at NOON on 15th SEPT: 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

W^{ly} to SW^{ly} winds, moderate; dull, some rain.

1 SCOTLAND
EAST

Light breezes, chiefly W^{ly}, fair generally

2 ENGLAND
N.E.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

W^{ly} winds, light or moderate; fine generally.

5 ENGLAND
SOUTH

6 SCOTLAND
WEST

W^{ly} to SW^{ly} winds, moderate; cloudy, local showers.

7 ENGLAND
N.W.

8 ENGLAND
S.W.

W^{ly} and SW^{ly} winds, moderate; fair generally.

9 IRELAND
NORTH

10 IRELAND
SOUTH

SW^{ly} winds, moderate or fresh; cloudy, local showers.

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.45	56	55	WSW	8	r	5	Valencia ...	30.25	63	62	SW	3	om	3
Sumburgh Head ...	29.50	55	53	WSW	8	bc	4	Scilly ...	30.26	63	58	WSW	3	c	3
Stornoway ...	29.73	60	56	W	4	c	4	Jersey ...	30.23	67	59	N	3	b	3
Aberdeen ...	29.70	60	56	WSW	4	cq	4	Hurst Castle ...	30.21	67	60	SW	3	bc	2
Shields ...	29.86	65	60	SSW	5	c	2	Dungeness ...	30.16	66	61	SW	1	b	1
Ardrossan ...	29.83	61	60	W	2	b	3	North Foreland ...	30.16	64	57	N	2	bc	2
Malin Head ...	29.87	60	60	WSW	6	o	4	London (Westminster) ...	30.16	69	57	WSW	2	c	*
Mullaghmore ...	30.05	63	61	SW	6	og	*	Yarmouth ...	30.10	67	56	WSW	4	b	3
Belmullet ...	30.11	62	58	SW	4	og	3	Rochefort ...	30.07	67	62	WSW	3	o	*
Holyhead ...	30.11	62	58	SW	4	og	3								

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

Weather fine over the south of England, the north of France, and the greater part of central, southern, and eastern Europe. Raining in the extreme north and northwest of our Islands, as well as in Norway, the north of Sweden, and at Helsingfors and Moscow; dull in the south of France and the north of Italy, with rain at Florence. Heavy rain falling during day at many of the Scandinavian stations and smaller quantities in Denmark, North Germany, and the northern parts of the United Kingdom. Solar halos seen in the south of England.

Temperature fallen in the southeastern parts of England, but risen in most other localities. Morning readings highest 85° at Lfax, 81° at La Caille, 79° at Algiers and 78° at Cagliari; above 70° at the Mediterranean stations generally, and above 60° in the west of Ireland and the more central parts of Scotland. Lowest 34° at Archangel and Kuopio, 35° at St. Petersburg, and 38° at Haparanda; below 45° over Poland and the south of Russia. Rising during day to between 65° and 70° at most of the English and Irish stations, exceeding 70° in France, and reaching 77° at Paris and Nice. Night very mild over Central England, minimum reading at Loughborough as high as 60° or 26° higher than on the previous night.

Wind NW¹ in the north of Scotland, but SW¹ over the northern parts of our Islands generally as well as in Scandinavia, and strong in force in many places, with a gale at Wick. Light from the N² in the extreme south of England and the central parts of France, fresh to strong from the same quarter or from NE in Spain. Light from the SE² at several of the Austrian and Russian stations, and variable in Italy and Algeria. Subsequently veering to the W² or NW² over the northern parts of our Islands generally falling moderate.

Barometer highest 30.4 ins: and upwards, over Galicia and the south of Russia; 30.2 ins: and upwards over the southern parts of Ireland and England. Lowest, 29.4 ins: and less, in a large and rather deep depression lying to the northward of our Islands and the westward of Norway; gradients steep over the northern part of the North Sea. Depression subsequently moving eastwards and barometer rising briskly in the north of Scotland, but falling quickly in Scandinavia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on

Friday, 15th September, 1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.	TEMP.	WIND.				BAROMETER.	SHADE TEMP.			WIND.						SHADE TEMP.			
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Weather.		Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Sea (6 to 9).		Max.	Min.	Amount of Rainfall.	
	Inch.	°					Inch.	°	°	°							°		Inch.	
SCANDINAVIA.	Haparanda ...	29.47	37	NE	2	b	29.43	+32	37	34	0	W	2	bc	#	b	50	36	-	-
	Hernösand ...	29.67	45	NW	4	b	29.54	+48	41	41	-6	S	4	#	#	b	57	37	0.08	-
	Stockholm ...	29.73	52	N	4	b	29.71	+58	49	40	+2	SW	4	0	#	b	61	45	0.08	-
	Wisby ...	29.77	55	NW	6	?	29.87	+54	53	51	-1	WSW	6	0	#	?	57	48	-	-
	Bodö ...	29.65	41	W	4	c	29.32	-09	39	38	-3	E	4	0	2	c	43	37	0.08	-
	Christiansund...	29.78	49	W	5	r	29.36	-23	53	52	+2	SW	9	r	6	r	54	46	0.98	-
	Skudesnaes ...	30.00	53	W	1	0	29.73	-10	57	55	+5	W	6	r	3	0	57	52	-	-
	Christiania Fjord (Færdler)	29.86	58	N	4	b	29.68	+15	58	56	+2	SSW	6	0	4	b	63	52	-	-
	Skagen (The Scaw)	29.92	55	WNW	4	b	29.80	+19	58	56	+2	W	5	0	3	b	61	50	-	-
	Fanö ...	30.12	55	WNW	4	c	30.02	+15	60	59	+3	W	4	c	#	c	61	54	-	-
BRITISH ISLANDS.	Sumburgh Head	29.77	53	WSW	3	r	29.55	-32	57	55	+4	WSW	4	c	5	0. r	57	53	0.79	-
	Stornoway ...	29.63	60	SW	6	r	29.68	-27	57	56	+3	W	7	0	6	0. r	61	52	0.98	-
	Wick ...	29.89	61	W	1	bc	29.67	-30	59	58	+4	W	6	c	3	bc	61	53	0.12	-
	Nairn ...	29.87	64	SW	3	c	29.75	-24	57	55	+1	SW	1	c	1	c	65	54	0.12	-
	Aberdeen ...	29.96	62	SSW	3	c	29.79	-24	64	60	+7	SW	5	c	3	0. c. p.	64	57	0.01	-
	Leith ...	30.08	64	WSW	3	bc	29.88	-15	63	59	+5	SSW	5	0	#	bc	68	57	-	-
	Shields ...	30.12	65	WSW	3	b	29.98	-11	63	57	+6	SSW	3	0	2	0. b	70	56	-	-
	Spurn Head ...	30.14	62	W	2	b	30.12	-03	59	56	+1	SSW	4	b	4	0. b	66	53	-	-
	York ...	30.19	65	WSW	2	b	30.10	-04	60	58	-3	SSW	2	0	#	b	70	53	-	-
	Loughborough	30.25	66	NW	1	bc	30.19	-02	57	55	-5	WSW	2	0. m. w.	#	bc	73	45	-	-
GERMANY & HOLLAND.	Ardrossan ...	30.12	62	WSW	2	c	29.93	-15	59	59	-1	W	3	d	3	c	64	58	0.02	-
	Malin Head ...	30.08	62	SW	5	0	29.93	-15	56	55	-4	SW	5	0. d. p.	3	0	65	56	0.10	-
	Mullaghmore ...																			
	Belmullet ...	30.15	63	SW	5	0	30.03	-16	57	56	-5	SW	3	0	#	0	63	56	0.15	-
	Donaghadee ...	30.18	65	WSW	4	bc	30.02	-19	63	61	-1	WSW	5	c	3	bc	71	60	-	-
	Liverpool (Bldston)	30.24	61	W	3	b	30.15	-09	62	57	0	SW	2	0	2	b	67	56	-	-
	Holyhead ...	30.25	62	SW	2	c	30.13	-10	62	60	+1	SW	3	c	2	c	66	58	-	-
	Parsonstown ...	30.25	64	SW	1	c	30.11	-15	62	58	+2	SSW	1	0	#	0	65	59	-	-
	Valencia ...	30.30	63	S	2	0	30.17	-17	61	60	0	S	3	c	5	0	67	59	-	-
	Roche's Point	30.31	62	WSW	2	0	30.18	-09	63	61	+2	W	1	bc	3	0	65	60	-	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.30	61	WSW	2	b	30.20	-10	60	60	-1	SW	2	c	3	c. b	63	59	-	-
	Scilly ...	30.33	62	N. W.	1	bc	30.22	-10	59	57	-2	E	1	c	3	bc	65	57	-	-
	Prawle Point ...	30.31	62	WSW	1	b	30.22	-10	64	60	+3	N	2	b	1	b	69	53	-	-
	Jersey (St. Aubin's)	30.32	66	NW	3	bc	30.23	-10	65	62	0	NNE	2	bc	2	bc	70	52	-	-
	Hurst Castle ...	30.29	67	NW	2	b	30.24	-05	59	56	-4	NE	1	bmw	2	bm	73	50	-	-
	Dungeness ...	30.26	65	WSW	3	c	30.21	-02	62	60	0	SW	3	c	2	c	68	61	-	-
	North Foreland	30.27	64	SW	1	b	30.21	-01	63	60	-2	WSW	2	bmw	2	0. b	69	58	-	-
	London ...	30.25	70	WSW	1	b	30.23	-02	56	54	-8	W	2	bmw	#	bc. b	76	50	-	-
	Oxford ...	30.27	62	W	2	b	30.24	-01	50	49	-13	SW	3	ofw	#	b	76	47	-	-
	Cambridge ...	30.25	65	SW	1	b	30.22	+01	56	57	-9	SSW	3	b	#	b	72	45	-	-
PENINSULA.	Yarmouth ...	30.22	66	W	2	b	30.18	+04	58	55	-6	WSW	2	bmw	2	c. b	68	53	-	-
	Cuxhaven ...	30.18	58	WNW	4	c	30.18	+18	59	58	+1	SW	2	f	#	c	63	57	0.04	-
	Berlin ...	30.15	57	WNW	3	b	30.25	+29	52	50	-1	SW	2	bc	#	b	66	39	-	-
	Wiesbaden ...						30.32	+12	62	60	+6	W	0	0	#	#	68	50	-	-
	Munich ...	30.35	63	W	0	0	30.39	+10	58	55	-6	SW	2	b	#	0	73	52	-	-
	The Helder ...	30.27	62	WNW	1	0	30.23	+09	63	62	+1	WSW	2	e	#	0	63	61	-	-
	Brussels (9 a.m.)	*	*	*	*	*	30.27	+04	64	60	+8	S	1	0	#	0	66	56	-	-
	Cape Gris Nez	30.25	62	WSW	3	0	30.22	+03	60	60	-1	SW	2	0	2	0	68	52	-	-
	Paris ...	30.31	66	N	1	b	30.28	-03	51	51	+1	NNE	1	b	#	b	73	49	-	-
	Brest ...	?	66	NNE	2	b	?	?	56	56	-3	E	1	b	#	b	73	54	-	-
FRANCE AND BELGIUM.	Lorient ...	30.17	67	WNW	3	b	30.18	-15	57	56	+3	E	4	b	2	b	75	52	-	-
	Rochefort ...	30.18	71	WNW	2	b	30.07	-14	61	60	+1	E	4	b	#	b	79	59	-	-
	Belfort ...																			
	Lyons ...	30.25	74	N	1	b	30.29	-01	62	58	+2	N	1	b	#	b	82	57	-	-
	Nice ...	30.16	69	W	0	b	30.21	+01	66	65	-1	E	1	b	#	b	82	61	-	-
	Perpignan ...	30.21	72	S	1	bc	30.18	-07	66	65	0	SW	1	0	#	bc	82	62	-	-
	Biarritz ...	30.12	78	ENE	3	b	30.04	-13	67	64	+6	E	3	b	2	b. l	84	61	-	-
	Corunna ...	*	*	*	*	*														
	Lisbon ...	29.97	71	WSW	2	c	29.94	+01	65	63	-3	ENE	3	0	#	c	79	64	-	-

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on *Sept. 15th* 1893.

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:

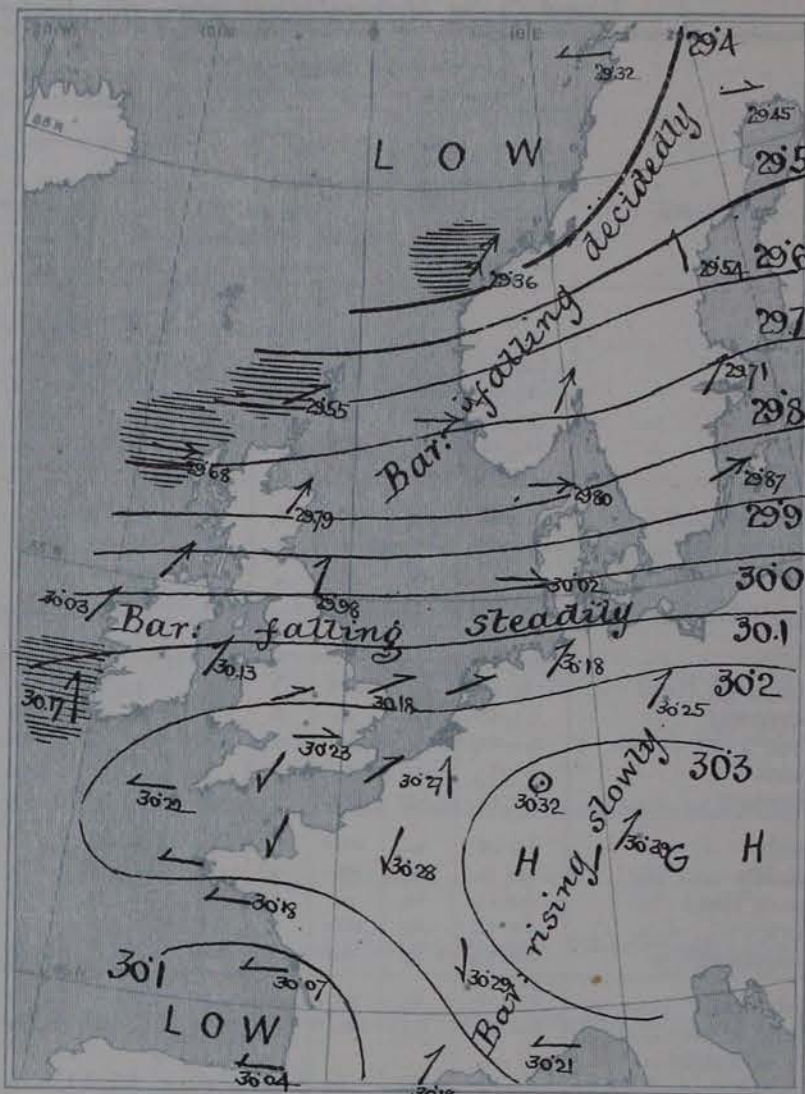
≡ = Rough. ≡ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrossan	29.885
Mullaghmore	29.890
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Sally	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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.

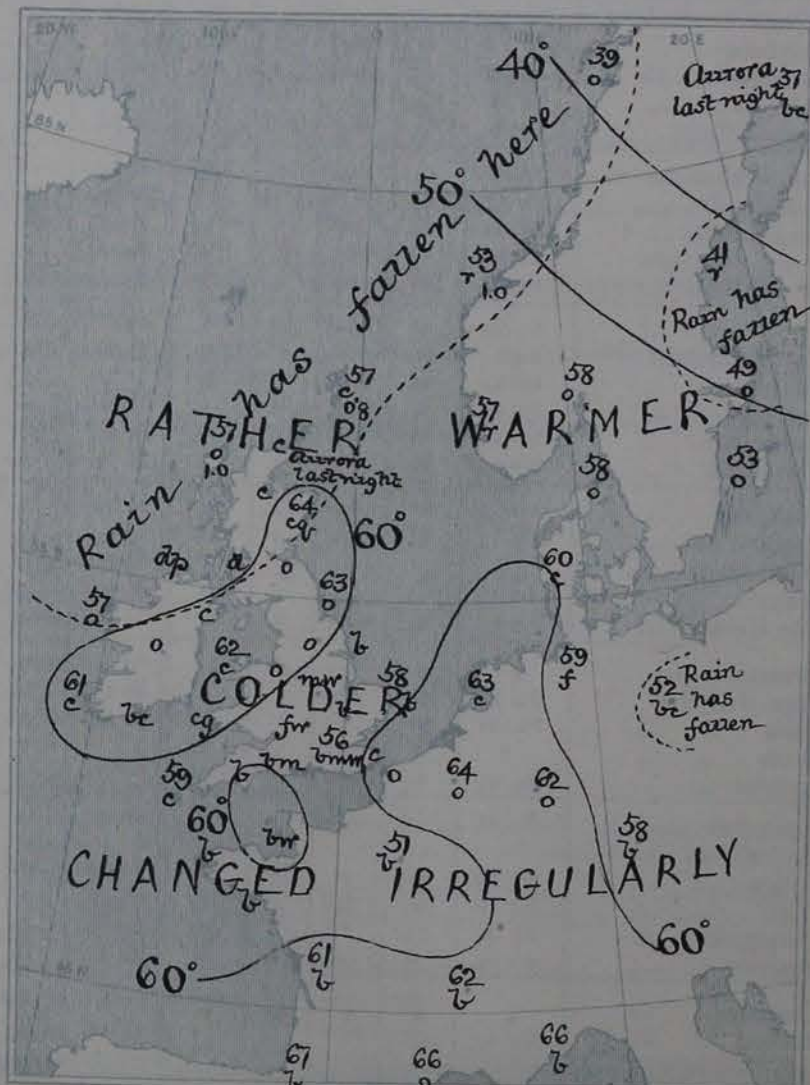
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of September.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	55.0	46.1	50.8	49.1	3.32
Stornoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.5	51.9	50.0	2.53
Nairn	59.2	46.5	51.3	48.9	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.97
Leith	61.9	47.5	53.2	50.8	2.31
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	53.5	53.8	2.92
York	62.9	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.76
Ardrossan	59.6	49.4	53.5	51.4	3.07
Mullaghmore	60.2	50.9	54.0	51.6	4.05
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.0	53.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.30
Parsonstown	61.5	47.1	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	60.1	53.0	56.1	53.9	3.58
Sally	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	65.4	54.8	59.9	57.0	3.03
Hurst Castle	64.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	66.4	49.6	55.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.66
Cambridge	65.0	48.1	54.6	53.0	2.26
Yarmouth	62.1	51.4	58.3	54.3	2.01

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1865-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins. and upwards, over Switzerland, the east of France, and the central and southern parts of Germany.
 Lowest, 29.4 ins. and less, in a large depression lying off the west of Norway.
 Gradients moderate to rather sharp over Scandinavia, Denmark, the North Sea and the northern parts of the United Kingdom.
 Barometer falling at all but the German stations, — quickly in the west of Norway.

TEMPERATURE

Highest, (1) 67° at Biarritz, 66° at Nice and Perpignan, 65° at Jersey, and 64° at Brussels; (2) 64° at Aberdeen, and 63° at Leith, Shields, Donaghadee, and Rook's Pt.
 Lowest, (1) 37° at Haparanda, 39° at Åbo, 41° at Helsingfors, and 45° at Stockholm; (2) 50° at Oxford; (3) 51° at Paris, and 52° at Berlin.

During yesterday the thermometer rose to 70° or more at several of the English stations, the highest reading of all being 76° in London and at Oxford.

WIND

W³ or SW⁴ over the greater part of our Islands, the North Sea, Denmark, and Scandinavia; in the north of Scotland the W¹ wind blows very strongly, while at Christiansund there is a gale from the SW².

Light and variable in the extreme south of England; moderate from the E² over the Bay of Biscay; light from the N² over Central France.

WEATHER

Fine and bright in the south and east of England as well as in France and many parts of Germany.

Cloudy or overcast elsewhere, with showers on our extreme northwest coasts, and with steady rain in the west of Norway and at Helsingfors.
 In the course of the 24 hours heavy rain has fallen in the Shetlands and Hebrides and also at Christiansund, while smaller quantities have occurred over the northern parts of the United Kingdom generally. Bright Aurora was seen last night at Thess.

SEA

Rough off the north of Scotland and the west of Norway, and rather rough at Valencia (Ireland) but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression off the west of Norway seems likely to occasion a further increase of wind on many parts of our northern coasts, with squally, showery weather. In the southern districts the weather will probably remain fine for the present.

FORECASTS

For the 24 hours ending at NOON on 16th September. 1893.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
† 0 SCOTLAND NORTH	SW ² and W ² strong winds and gales; squally, showery.	† 5 SCOTLAND WEST	SW ² and W ² winds, increasing in force; cloudy, showery.
† 1 SCOTLAND EAST		7 ENGLAND N.W.	Same as No. 2.
2 ENGLAND N.E.	SW ² winds, freshening; cloudy, local showers.	8 ENGLAND S.W.	Variable breezes, finally SW ² ; fair generally.
3 ENGLAND EAST	W ² and SW ² winds, moderate; fair generally.	† 9 IRELAND NORTH	Same as No. 6.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	SW ² winds, freshening; fair to cloudy and showery.
5 ENGLAND SOUTH		At 7.10 pm yesterday to districts 0.1.6 and part of 9 "Hoist South Cone"	

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.97	55	?	NW	4	c	4	Valencia ...	30.33	67	63	SSW	2	c	2
Sumburgh Head ...	29.90	54	52	W	1	u	2	Scilly ...	30.35	64	58	W	1	bc	3
Stornoway ...	29.90	60	60	SW	5	t	5	Jersey ...	30.34	69	62	WNW	3	bc	3
Aberdeen ...	30.02	62	58	S	1	o	2	Hurst Castle ...	30.29	71	65	SW	3	bm	2
Shields ...	30.12	68	63	SW	4	c	2	Dungeness ...	30.26	68	65	WSW	3	c	2
Ardrossan ...	30.12	64	61	W	3	c	2	North Foreland ...	30.25	69	63	W	1	o	2
Malin Head ...	30.10	64	59	WSW	5	o	3	London (Westminster) ...	30.25	76	67	W	2	bc	*
Mullaghmore ...								Yarmouth ...	30.21	68	62	WNW	3	c	2
Behmullet ...	30.20	63	60	SW	3	o	*	Rochefort ...	30.22	75	69	W	3	c	*
Holyhead ...	30.27	64	60	SW	2	c	2								

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

Weather fair or fine over the greater part of western, southern, and southeastern Europe, but dull at several of our own western and northern stations, with rain at Stornoway. Dull over Poland and central Russia, raining in Finland, Sweden, and many parts of Germany. Heavy rain setting in at night in the Shetlands, Hebrides and coast of Norway, and smaller quantities reported in the extreme north and northwestern Islands generally. Bright Aurora seen at Wick.

Temperature fallen a little in Scandinavia and the northern parts of the United Kingdom, risen elsewhere, - quickly over England and Germany. Morning readings highest 85° at Algiers, 82° at Palermo, and 81° at Cagliari, above 70° at most of the Mediterranean and Adriatic stations, and varying between 60° and 65° over the greater part of Ireland ^{and England}. Lowest 36° at Archangel, 37° at Niparanda, 42° at Bodo, and 47° at Helsingfors and Stockholm. Raining during day to 70° or more at several of the English and Irish stations, and reaching 76° in London and at Oxford. Exceeding 80° over the southern parts of France.

Wind light to moderate from the W² (SW to NW) over our Islands, the Netherlands, and Germany. Strong from the NW² in Scandinavia and Denmark, with gales in Sweden; strong to a gale from the SW² over the Gulf of Finland, E² or NE² over Lapland, and the extreme north of Russia. Light to moderate NE² over Italy, Spain, and the Bay of Biscay, variable over the central and southern parts of France and also in Algeria. Subsequently backing to the SW² in the extreme north and northwest of our Islands, and blowing strongly in the Hebrides.

Barometer highest, 30.3 ins: and upwards, in an anticyclone extending from the Atlantic over the extreme southwest of our Islands and northwestern and central France, as well as in another system lying over the Black Sea and the south of Russia. Lowest 29.0 ins: and less, in a rather deep depression having its centre over western Finland; gradients steep over northern Europe generally. New disturbance beginning to approach our northern coast later from the westward, and barometer falling rather decidedly in the north of Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 16th September, 1893

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)											PAST 24 HOURS.			
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 3).	Weather.	SHADE TEMP.		Amount of Rainfall.			
				Reading at 32° F. and Sea Level.	Dry Bulb.		Dir.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Dir.	Force (0 to 12).		Max.	Min.	
Ins.		°				Ins.	°	°	°							°	Ins.				
SCANDINAVIA.	Haparanda ...	29.16	41	Z	0	r	29.17	- .26	36	35	- 1	E	2	0	#	r	46	28	0.20		
	Hernösand ...	29.22	53	SSW	2	0	29.19	- .35	52	46	+ 11	S	2	c	#	0	59	37	-		
	Stockholm ...	29.46	58	SW	4	b	29.41	- .30	57	53	+ 8	WSW	6	b	#	b	63	43	0.04		
	Wisby ...	29.62	57	SW	6	c	29.60	- .27	55	53	+ 2	WSW	8	b	#	c	59	50	0.47		
	Bodö ...	29.23	39	NE	6	0	29.36	+ .04	39	36	+ 0	W	4	b	2	0	43	39	0.04		
	Christiansund...	29.25	54	SW	8	0	29.46	+ .10	45	44	- 8	N	6	r	5	0	55	45	0.83		
	Skudesnaes ...	29.68	57	WSW	4	c	29.62	- .11	54	53	- 3	WSW	6	c	4	0, c	58	54	-		
	Christiania Fjord (Færdler)	29.54	59	WSW	8	b	29.49	- .19	57	53	- 1	WSW	8	b	5	b	61	57	-		
	Skagen (The Scaw)	29.69	57	W	5	0	29.63	- .17	58	55	+ 0	W	5	bc	2	0	61	55	-		
	Fanö ...	29.88	60	W	6	c	29.81	- .21	60	57	+ 0	W	5	c	#	c	66	59	-		
BRITISH ISLANDS.	Sumburgh Head	29.46	55	WSW	5	c	29.59	+ .04	51	51	- 6	W	2	c	4	c	59	48	0.10		
	Stornoway ...	29.66	58	WSW	7	c	29.71	+ .03	54	52	- 3	W	0	b	3	r, c	61	48	0.08		
	Wick ...	29.65	60	W	7	b	29.70	+ .03	54	53	- 5	WNW	3	c	2	b	63	50	0.03		
	Nairn ...	29.69	59	SW	3	bc	29.75	+ .00	54	52	- 3	SW	2	b	1	bc	65	51	-		
	Aberdeen ...	29.74	62	SW	4	bcy	29.76	- .03	56	50	- 8	WSW	2	b	1	bcy	72	52	-		
	Leith ...	29.83	60	WSW	5	bc	29.82	- .06	55	52	- 8	SW	4	bc	#	bc	66	52	-		
	Shields ...	29.89	62	W	5	r	29.87	- .11	56	52	- 7	SW	3	c	2	c, d	69	51	-		
	Spurn Head ...	29.99	63	SW	3	bc	29.89	- .23	59	57	+ 0	WNW	3	bcw	3	bc	67	56	-		
	York ...	30.01	66	W	1	c	29.90	- .20	58	55	- 2	W	2	bc	#	c	73	56	-		
	Loughborough	30.03	67	W	1	b	29.94	- .25	49	49	- 8	W	0	bcw	#	b, f	74	43	-		
GERMANY & HOLLAND.	Ardrossan ...	29.89	60	W	3	c	29.85	- .08	60	56	+ 1	W	2	c	2	c	67	56	0.02		
	Malin Head ...	29.89	57	W	4	cp	29.87	- .06	55	51	- 1	WNW	4	bp	3	cp	62	55	0.04		
	Mullaghmore ...	29.91	59	SW	3	bc	29.96	- .07	58	54	+ 1	WNW	2	b	#	bc	62	54	0.04		
	Belmullet ...	29.96	61	WSW	3	bc	29.92	- .10	54	53	- 9	WSW	3	bc	1	bc	64	51	0.01		
	Donaghadee ...	29.96	61	WSW	3	bc	29.92	- .10	54	53	- 9	WSW	3	bc	1	bc	64	51	0.01		
	Liverpool (Bldston)	30.01	63	SW	3	bc	29.91	- .24	59	55	- 3	WNW	1	c	1	bc	76	55	0.11		
	Holyhead ...	30.00	61	SW	2	0	29.93	- .20	60	57	- 2	WNW	2	bc	2	c, 0	66	55	0.03		
	Parsonstown ...	30.02	59	W	1	bc	29.96	- .15	55	53	- 7	W	0	c	#	0, bc	67	52	-		
	Valencia ...	30.06	58	WNW	1	tr	30.01	- .16	69	57	- 2	W	2	0	2	0, m, r	65	54	0.14		
	Roche's Point	30.05	62	WSW	3	c	29.98	- .20	58	56	- 5	WNW	2	0	3	c	65	55	0.02		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.06	60	SW	2	c	29.93	- .27	58	58	- 2	NE	3	og	3	c	65	58	-		
	Scilly ...	30.06	59	NNE	2	c	29.92	- .30	61	58	+ 2	NNE	3	c	4	c	62	57	-		
	Prawle Point ...	30.05	59	E	1	b	29.90	- .32	57	56	- 7	N	3	gm	2	b, m	66	53	-		
	Jersey (St. Aubin's)	30.05	68	WNW	2	b	29.88	- .35	63	61	- 2	W	3	0, m, r	3	b	77	60	0.13		
	Hurst Castle ...	30.05	64	SW	2	b	29.90	- .34	56	55	- 3	NNE	1	m	0	bm	71	53	0.01		
	Dungeness ...	30.04	63	SW	2	bc	29.88	- .33	57	56	- 5	NNE	1	m	0	bc, f	69	46	-		
	North Foreland	30.04	64	SSW	2	bc	29.89	- .32	63	61	- 0	N	1	cmw	2	b, bc	70	55	-		
	London ...	30.04	70	WSW	2	bc	29.92	- .31	54	53	- 2	W	0	bcw	#	b, c, b	75	48	-		
	Oxford ...	30.02	60	SW	1	b	29.94	- .30	49	48	- 1	W	0	cj	#	0, b	71	45	-		
	Cambridge ...	30.03	66	SSW	2	b	29.93	- .29	50	50	- 6	SSW	1	c	#	b	75	43	-		
PENIN- SULA.	Yarmouth ...	30.02	70	WNW	2	b	29.90	- .28	60	57	+ 2	WNW	1	b	1	b	72	53	-		
	Cuxhaven ...	30.09	58	WNW	3	c	29.96	- .22	58	57	- 1	SW	2	bc	#	c	67	57	-		
	Berlin ...	30.11	61	SW	2	b	29.98	- .27	55	54	+ 3	SW	1	b	#	b	68	52	-		
	Wiesbaden ...	30.11	61	SW	2	b	29.98	- .27	55	54	+ 3	SW	1	b	#	b	68	52	-		
	Munich ...	30.23	60	SE	2	b	30.01	- .31	56	55	- 6	W	0	b	#	#	72	59	-		
	The Helder ...	30.08	62	SW	1	b	29.96	- .27	55	55	- 7	S	1	f	1	b	66	54	-		
	Brussels (9 a.m.)	30.05	60	SE	1	c	29.91	- .36	65	61	+ 1	SE	1	c	#	b	75	54	-		
	Cape Gris Nez	30.05	60	SE	1	b	29.89	- .33	60	59	+ 0	E	2	m	#	c	66	54	-		
	Paris ...	30.05	72	SE	1	b	29.91	- .37	59	55	+ 8	W	0	0	#	b	82	51	-		
	Brest ...	?	66	NE	3	c	?	?	59	59	+ .3	NE	3	r	3	c	73	56	0.32		
FRANCE AND BELGIUM.	Lorient ...	29.99	75	W	1	bc	29.82	- .36	63	60	+ 6	ESE	4	0	2	bc	81	55	0.08		
	Rochefort ...	29.91	80	ESE	3	bc	29.84	- .23	66	65	+ 5	ESE	3	c	#	b, bc	90	61	-		
	Belfort ...	?	64	W	3	bc	?	?	62	54	+ 7	SE	3	bc	#	bc	82	46	-		
	Lyons ...	30.06	76	S	1	bc	30.01	- .28	69	60	+ 7	SW	1	0	#	bc	86	62	-		
	Nice ...	30.17	70	ESE	1	bc	30.08	- .13	71	62	+ 5	W	0	b	0	bc	80	66	-		
	Perpignan ...	30.05	70	NE	1	0	29.97	- .21	69	69	+ 3	ESE	3	f	#	0	79	66	-		
	Biarritz ...	29.93	?	ESE	3	0	29.90	- .14	70	62	+ 3	S	3	0	2	0, tl	84	66	0.08		
	Corunna ...	30.01	66	SW	1	b	30.08	+ .09	66	64	+ 1	SSW	1	0	#	b	73	63	0.08		
	Lisbon ...	30.01	66	SW	1	b	30.08	+ .09	66	64	+ 1	SSW	1	0	#	b	73	63	0.08		

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 16th Sept^r 1893.

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

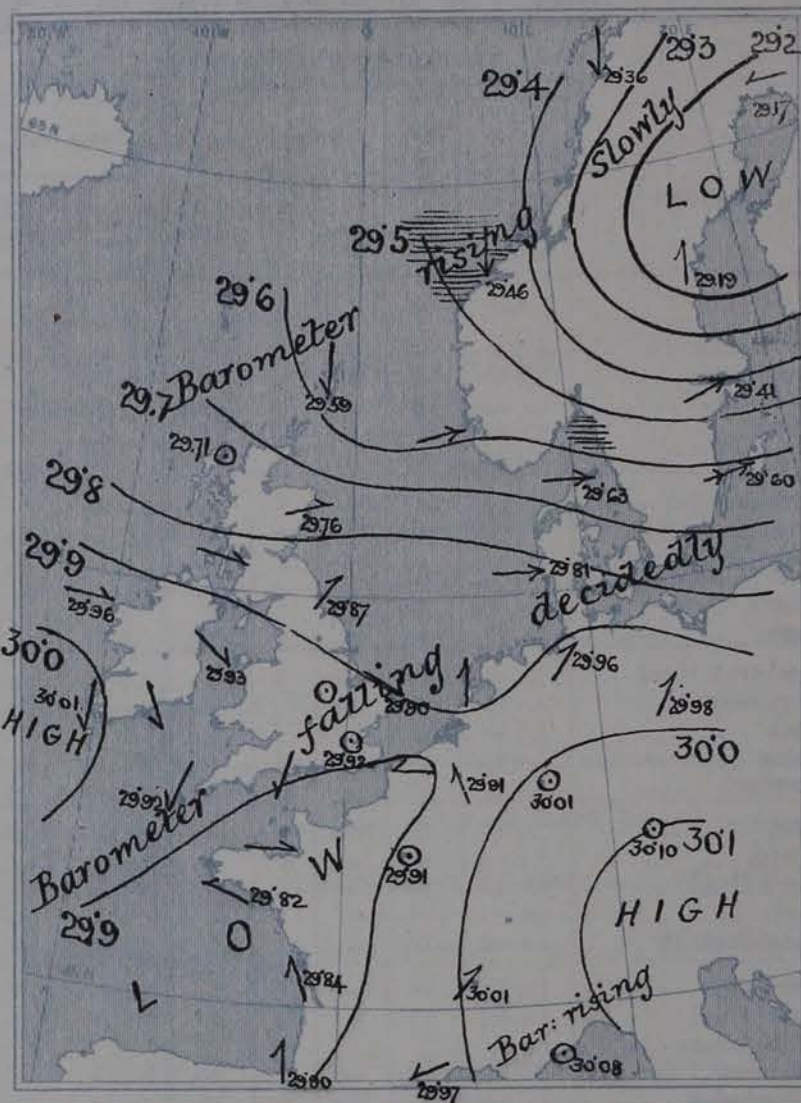
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of September.

During the 20 Years 1871-1890.

STATIONS.	MEAN READINGS.
Sunbury Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrrossan	29.885
Mullaghmore	29.890
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Sailly	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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 September.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry 8 a.m.	Wet 8 a.m.	
Sunbury Head	55.0	46.1	50.8	49.1	3.32
Stornoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.5	51.9	50.0	2.53
Nairn	59.2	46.5	51.3	48.9	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.97
Leith	61.9	47.5	53.2	50.8	2.81
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	55.5	53.8	2.02
York	62.9	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.70
Ardrrossan	59.6	49.4	53.5	51.4	3.67
Mullaghmore	60.2	50.9	54.0	51.6	4.85
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.6	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.30
Parsonstown	61.5	47.4	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	60.1	53.0	56.1	53.9	3.53
Sailly	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	65.4	54.8	59.9	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	60.4	49.0	55.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.66
Cambridge	65.6	48.1	54.6	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.91

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins. and upwards over Germany and the east and south of France and also in the extreme southwest of Ireland.
 Lowest, 29.2 ins. and less, in a depression lying over the Gulf of Bothnia and the north of Sweden.
 Gradients moderate to rather steep over Denmark, the Baltic and the south of Scandinavia, but rising elsewhere.
 Barometer rising in the north of Scotland and the west of Norway, but falling elsewhere - rather decidedly at our southern stations.

TEMPERATURE

Highest, 71° at Nice, 70° at Biarritz, 69° at Lyons and Perpignan, 66° at Rochefort, 65° at Brussels, and 63° at Jersey and the North of Ireland.
 Lowest, (1) 36° at Haparanda, 39° at Bodö, 45° at Christiansund, and 52° at Helsingfors; (2) 49° at Loughborough and Oxford and 50° at Cambridge.
 During yesterday the thermometer rose to 70° or more in many parts of Great Britain, the highest readings of all being 77° at Jersey and 76° at Liverpool.

WIND

Light to moderate from the W. (SW to NW) in all the more northern parts of our Islands, and strong to a gale from the same quarter in the south of Scandinavia.
 Light from the E. in Lapland; moderate to strong from the N. in the west of Norway.
 S. or SE. in the west of France; N. at most of the Channel stations, but W. at Jersey.

WEATHER

Fair or fine over the extreme southern part of the United Kingdom, as well as in Denmark, Germany, and the south of Scandinavia.
 Misty or foggy over the central and southern parts of England, and rainy at Jersey; dull at most of the French stations.
 A little rain fell yesterday in Ireland and the west and north of Scotland, and larger amounts at some of the Scandinavian stations.

SEA

Light or smooth generally, but rather rough at Christiansund and Faeröer.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression which lay off the west of Norway yesterday has travelled away to the eastward, and there are at present no signs of any new disturbance in the north. A shallow depression is, however, spreading over England from the southward, and rainy weather seems probable at most of our southern and southeastern stations.

FORECASTS

For the 24 hours ending at NOON on 17th SEPT: 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

NW^{ly} winds, light; fair generally.
 SW^{ly} to W^{ly} winds, light; fair generally.
 NW^{ly} to NE^{ly} winds, light; fair to dull and some rain.
 NE^{ly} winds, light; cloudy, unsettled, some rain.

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

Same as No. 0.
 N^{ly} and NE^{ly} winds, light; dull, some rain.
 Same as No. 0.
 Same as No. 8.
 At 10-20 am. today to districts 0-1-6 and part of 9 "Lower Cone"

WARNINGS

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.72	58	56	w	4	c	3	Valencia ...	30.11	65	63	SW	3	om	4
Sumburgh Head ...	29.50	58	55	WSW	5	c	6	Scilly ...	30.15	61	57	E	1	c	3
Stornoway ...	29.67	57	56	WSW	7	r	6	Jersey ...	30.14	73	64	SE	1	b	1
Aberdeen ...	29.74	57	58	WSW	4	bg	3	Hurst Castle ...	30.14	70	65	SW	2	bm	2
Shields ...	29.94	68	61	SW	5	c	2	Dungeness ...	30.14	67	63	SW	3	bc	2
Ardrossan ...	29.92	64	59	SW	2	c	2	North Foreland ...	30.11	66	63	S	2	b	3
Main Head ...	29.91	62	59	WSW	5	c	4	London ...	30.12	74	63	N	2	b	*
Mullaghmore ...								Yarmouth ...	30.08	71	62	WSW	2	b	2
Belmullet ...	30.02	61	58	W	4	bc	*	Rochefort ...	30.03	87	76	ESE	3	b	*
Holyhead ...	30.07	63	60	SW	3	c	2								

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

Weather fine and bright in the south and east of England, as well as over France, and the greater part of central and southern Europe. Cloudy or dull over the more northern parts of our Islands and the Continent, with showers on our extreme northwest coasts, and with steady rain in the west of Norway as well as at Helsingfors and Archangel. A little rain falling during day in Ireland and the west and north of Scotland, and larger amounts at several of the Scandinavian stations. A thunderstorm occurring at Riga.

Temperature changed rather irregularly. Morning readings highest 91° at Algiers, 81° at La Calle, 80° at Barcelona, and 78° at Prindini and Palermo; above 70° over the Mediterranean and Adriatic generally, and above 60° in many parts of the United Kingdom. Lowest 37° at Itaparanda, 38° at Helsingfors, 39° at Rodo and Uleaborg, and 41° at Helsingfors and St. Petersburg. Rising during day to between 70° and 75° in many parts of Great Britain, and reaching 77° at Jersey. Exceeding 80° at most of the French stations.

Wind W or SW over the greater part of our Islands, Scandinavia, Denmark, Germany, and the Netherlands. Light or moderate in force generally, but very strong in the north of Scotland, and blowing a hard gale from SW. at Christiansund. Light to moderate from the E over Spain and the west and south of France, and from the NE at some of the Channel stations. N or NW in Italy and Austria, variable in Algeria. Subsequently increasing to a fresh gale from the W in the extreme north of Scotland. No important change occurring elsewhere.

Barometer highest 30.1 ins. to 30.4 ins. in a large anticyclone covering most of the central and southern countries and extending westwards over England and Ireland. Lowest 29.0 ins. and less in a depression over the extreme north of Russia; 29.4 ins. and less in another disturbance approaching the west of Norway. Latter system subsequently moving eastward, but large shallow depression beginning to form over the Bay of Biscay and west of France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 17th September, 1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)											PAST 24 HOURS.			
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.						
Reading at 82° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Reading at 82° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.	Max.	Min.	Amount of Rainfall.							
Ina.	°			Ina.	°	°	°								ins.						
SCANDINAVIA.	Haparanda ...	29.46	35	Z	0	6	29.55	+ .38	34	31	—	2	NE	2	6	46	32	—			
	Hernösand ...	29.52	41	N	2	6c	29.60	+ .41	37	34	—	15	N	2	6c	57	37	0.04			
	Stockholm ...	29.47	55	W	2	c	29.59	+ .18	43	41	—	14	N	2	0	63	?	0.08			
	Wisby ...	29.60	55	W	6	6	29.57	— .03	54	52	—	1	WNW	4	0	61	52	—			
	Bodö ...	29.58	39	W	4	6c	29.60	+ .24	36	35	—	3	E	1	c	43	32	0.12			
	Christiansund...	29.66	45	NE	2	6c	29.58	+ .12	42	41	—	3	ENE	5	c	3	48	41	0.08		
	Skudesnaes ...	29.66	49	WNW	2	6c	29.60	— .02	49	42	—	5	Z	0	0	2	57	45	—		
	Christiania Fjord (Færder)	29.50	59	WSW	6	6	29.59	+ .10	47	42	—	10	NNE	6	6	3	59	46	—		
	Skagen (The Scaw)	29.57	57	W	4	c	29.53	— .10	54	50	—	4	N	2	6c	0	61	52	—		
	Fanö ...	29.73	57	W	4	c	29.60	— .21	54	53	—	6	Z	0	c	64	54	—			
BRITISH ISLANDS.	Sumburgh Head	29.68	47	NNW	1	0	29.49	— .10	50	49	—	1	Z	0	0	1	51	43	0.07		
	Stornoway ...	29.73	54	NW	3	0	29.52	— .19	54	54	—	0	Z	0	0	2	57	49	0.06		
	Wick ...	29.74	53	NW	1	c	29.55	— .15	50	49	—	4	NW	2	0	1	55	48	0.02		
	Nairn ...	29.74	56	W	3	c	29.58	— .17	52	50	—	2	WSW	3	0	1	61	48	0.03		
	Aberdeen ...	29.75	53	W	1	6c	29.60	— .16	54	49	—	2	SW	2	c	1	65	47	0.05		
	Leith ...	29.78	58	WSW	4	6	29.66	— .16	53	49	—	2	WSW	3	0	2	65	46	—		
	Shields ...	29.79	60	WSW	2	6c	29.68	— .19	54	50	—	2	WSW	2	6	2	64	44	—		
	Spurn Head ...	29.81	58	ENE	2	c	29.71	— .18	53	50	—	6	NW	4	6c	3	62	50	—		
	York ...	29.81	60	W	1	6c	29.73	— .17	50	48	—	8	WNW	1	6	2	68	42	—		
	Loughborough	29.83	60	Z	0	0	29.78	— .16	51	49	+	2	WNW	3	c	2	67	44	—		
GERMANY & HOLLAND.	Ardrossan ...	29.82	58	W	3	c	29.69	— .16	56	54	—	4	WSW	3	0	2	64	52	0.02		
	Malin Head ...	29.87	58	NW	4	6	29.69	— .18	55	55	—	0	WSW	4	0	3	58	52	0.11		
	Mullaghmore ...	29.97	56	NW	3	6c	29.83	— .13	57	56	—	1	W	3	0	2	60	52	0.12		
	Belmullet ...	29.88	58	WNW	1	c	29.78	— .14	51	50	—	3	WSW	2	c	1	64	49	0.02		
	Donaghadee ...	29.88	58	WNW	1	c	29.78	— .14	51	50	—	3	WSW	2	c	1	64	49	0.02		
	Liverpool (Bidston)	29.87	57	WNW	2	6	29.78	— .13	56	51	—	3	WNW	4	c	2	67	52	—		
	Holyhead ...	29.88	57	NNW	1	6	29.81	— .12	56	53	—	4	NW	3	6c	2	63	53	—		
	Parsonstown ...	29.93	59	NW	1	6c	29.88	— .08	51	50	—	4	SW	1	0	2	64	41	—		
	Valencia ...	30.00	58	NNW	3	6c	29.98	— .03	57	55	—	2	W	3	0	3	64	52	—		
	Roche's Point	29.94	62	NNW	3	6	29.95	— .03	54	52	—	4	WNW	2	c	3	65	49	—		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.86	59	NNE	3	c	29.87	— .06	56	54	—	2	NW	3	6c	3	63	53	—		
	Scilly ...	29.85	61	NNW	4	c	29.91	— .01	59	58	—	2	N	4	6c	3	63	58	—		
	Prawle Point ...	29.78	60	NNW	1	6c	29.85	— .05	57	54	—	0	NNW	3	6c	2	64	50	0.01		
	Jersey (St. Aubin's)	29.71	64	NE	3	0	29.80	— .08	60	56	—	3	NW	4	6c	3	66	58	1.86		
	Hurst Castle ...	29.75	64	NE	1	6c	29.78	— .12	55	51	—	1	NE	5	6c	2	65	50	0.07		
	Dungeness ...	29.75	63	E	3	6	29.67	— .21	56	55	—	1	NNE	4	c	3	66	56	0.64		
	North Foreland	29.76	63	E	1	6	29.66	— .23	58	55	—	5	N	5	0	4	65	56	0.33		
	London ...	29.77	64	NE	1	6c	29.74	— .18	55	50	+	1	N	2	0	2	66	53	0.21		
	Oxford ...	29.80	60	ENE	3	0	29.78	— .16	53	49	+	4	NNW	3	6	2	67	49	—		
	Cambridge ...	29.79	63	NNW	1	0	29.75	— .18	52	49	+	2	NNW	2	6c	2	70	48	—		
PENINSULA.	Yarmouth ...	29.79	61	NNE	3	c	29.68	— .22	57	55	—	3	NW	2	c	3	65	55	0.02		
	Cuxhaven ...	29.86	56	Z	0	0	29.63	— .33	56	55	—	2	NE	3	0	2	67	55	0.28		
	Berlin ...	29.82	65	Z	0	6	29.52	— .46	60	59	+	5	SE	2	0	2	73	39	0.04		
	Wiesbaden ...	29.84	65	2	0	6	29.64	— .37	65	63	+	9	Z	0	0	2	73	52	0.04		
	Munich ...	29.93	68	SW	2	c	29.81	— .29	64	52	+	5	SW	3	0	2	82	57	—		
	The Helder ...	29.80	62	N	1	6	29.66	— .30	58	55	+	2	NNE	3	c	2	66	55	0.35		
	Brussels (8 a.m.)	29.61	63	W	2	0	29.61	— .30	56	55	—	9	NNW	2	0	2	73	55	0.47		
	Cape Gris Nez	29.75	63	W	2	0	29.63	— .26	57	50	—	3	ENE	6	0	2	68	55	1.73		
	Paris ...	29.73	70	W	1	0	29.60	— .31	63	61	+	4	S	3	0	2	77	62	0.64		
	Brest ...	29.73	59	NE	3	6	29.60	— .31	63	61	+	4	S	3	0	2	77	62	0.64		
PENINSULA.	Lorient ...	29.68	64	N	5	0	29.82	— .00	60	58	—	3	NNW	5	c	3	77	59	0.39		
	Rochefort ...	29.69	68	SW	3	0	29.72	— .12	64	64	—	2	WNW	6	0	2	79	52	0.20		
	Belfort ...	29.79	71	SSW	5	0	29.77	— .24	62	58	—	7	SSW	2	0	2	89	59	0.20		
	Lyons ...	29.98	69	SW	2	6c	29.81	— .27	58	58	—	13	NE	5	0	3	81	55	0.95		
	Nice ...	29.98	75	S	3	0	29.86	— .11	67	61	—	3	NW	3	0	2	82	63	—		
	Perpignan ...	29.80	75	S	3	0	29.86	— .11	67	61	—	3	NW	3	0	2	82	63	—		
	Biarriz ...	29.84	67	SW	4	6	29.91	— .01	66	64	—	4	WSW	6	0	4	77	63	0.59		
	Corunna ...	30.12	68	NW	4	6	29.93	— .07	65	63	—	1	SW	4	0	3	84	59	0.28		
	Lisbon ...	30.12	68	NW	4	6	30.08	— .00	66	63	—	0	WNW	1	0	2	75	63	—		

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Sunday, 17th Sept. 1893.

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:

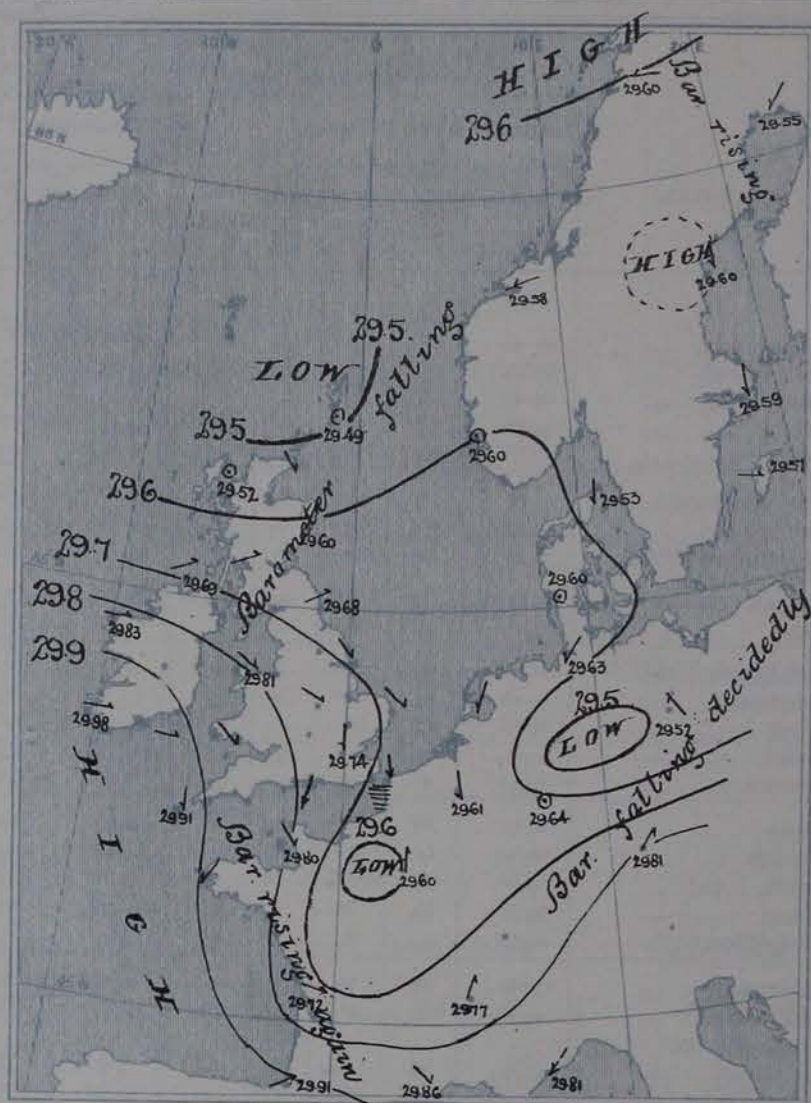
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.920
York	29.939
Loughborough	29.959
Ardrossan	29.885
Mullaghmore	29.890
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Scilly	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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 September.)

STATIONS	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	55.0	46.1	50.8	49.1	3.32
Stornoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.5	51.9	50.0	2.53
Nairn	59.2	46.5	51.3	48.9	2.53
Aberdeen	59.2	46.7	52.1	49.7	2.97
Leith	61.0	47.5	53.2	50.8	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	55.5	53.8	2.92
York	62.9	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.70
Ardrossan	59.0	49.4	53.5	51.4	3.67
Mullaghmore	60.2	50.9	54.0	51.0	4.95
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.0	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.30
Parsonstown	61.5	47.4	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	60.1	53.0	56.1	53.0	3.58
Scilly	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	65.4	54.8	59.9	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	2.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	66.4	49.6	55.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.66
Cambridge	65.6	48.1	54.0	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.01

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins: and upwards in Portugal.

Lowest, 29.5 ins: and less, in a depression off the north of Scotland and also ~~apparently~~ in a very small system near Berlin, 29.6 ins: and less in another small disturbance lying near Paris.

Gradients slight and rather irregular. Barometer rising over the Channel and west of France, as well as in Sweden, but falling elsewhere—most in Germany.

TEMPERATURE

Highest, 67° at Perpignan, 66° at Biarritz and Lisbon, 65° at Marseilles and Genoa, and 64° at Munich and Rochefort.

Lowest, 34° at Hakowanda, 36° at Bodø, 37° at Helsingfors, 42° at Lumburg It., 43° at Stockholm, and 47° at Lander.

The highest maxima registered over our Islands yesterday were 70° at Cambridge, 68° at York, and 67° at Loughborough, ~~Paris~~ ^{Paris} and ~~London~~ ^{London}.

WIND

Light to moderate from the Wnd or SWnd over Ireland and Scotland, but from the NWnd or Nnd over England.

Fresh to strong from the Wnd or NWnd in the west of France, but light from the Snd over the more central parts of that country.

E in the west of Norway; N in Sweden and Denmark; variable in Germany.

Fine over the greater part of England and Wales, as well as at many of the Scandinavian stations.

WEATHER

Dull elsewhere, with rain on our extreme northwestern coasts, as well as over North Germany, the Netherlands, the south of France, and at ^{Genoa}.

In the course of the past 24 hours heavy rain has fallen at some of our southern and the French stations, the largest amounts being 1.9 ins: at Jersey, 1.7 ins: at Cape Gris Nez, and 1.0 ins: at Nice. Thunderstorms have occurred at Lyons and Biarritz.

SEA

Light or smooth generally, but rough at Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 18th SEPT: 1893.

DISTRICTS.

FORECASTS.

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

None issued

DISTRICTS.

FORECASTS.

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

WARNINGS

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.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudeanaes ...	29.63	57	54	WNW	4	o	3	Valencia ...	30.01	60	57	N	3	e	3
Sumburgh Head ...	29.67	58	47	NNW	2	c	3	Scilly ...	29.87	62	60	NNW	4	emp	4
Stornoway ...	29.75	57	54	NW	3	cp	3	Jersey ...	29.80	63	62	NNE	3	o	3
Aberdeen ...	29.74	62	52	W	2	bc	1	Hurst Castle ...	29.87	64	60	NE	2	m	2
Shields ...	29.83	62	55	WSW	3	c	2	Dungeness ...	29.79	65	63	E	3	c	2
Ardrossan ...	29.84	59	55	W	3	bc	2	North Foreland ...	29.82	65	62	NNW	1	o	2
Malin Head ...	29.88	56	52	NW	4	o	3	London ...	29.82	66	59	NE	1	o	*
Mullaghmore ...								Yarmouth ...	29.84	64	61	NNE	3	b	2
Belmullet ...	29.97	60	58	WNW	3	bc	*	Rochefort ...	29.81	69	68	S	4	r	*
Holyhead ...	29.97	60	56	N	2	bc	2								

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

Weather fine and bright over the northern and eastern parts of the United Kingdom and also in Denmark, the south of Scandinavia, and the greater part of central, southern, and eastern Europe. Misty or foggy in the south of England, with rain at Jersey; dull in the south of Ireland and in France, as well as in the northern and central parts of Russia. Large quantities of rain falling later in the Channel Islands, and in many parts of France, Germany, and the Netherlands, the heaviest amounts measured next morning being 1.9 in. at Jersey and 1.7 in. at Dunkirk and Cape Gris Nez. Thunderstorms occurring at several of the French stations.

Temperatures risen in France and Sweden, but fallen in most other countries. Morning readings highest 82° at Tunis, 81° at Algiers, 79° at Annaba and 78° at Malta; above 70° at most of the Mediterranean and Asiatic stations, and above 60° on some parts of our south and southeast coasts. Lowest 36° at Archangel and Ikapavanda, 39° at Bodo and Uleaborg, and 45° at Chukotsk and Kharkov, below 50° at nearly all the Russian stations and also over Central England. Rising during day to 65° or more in several parts of the United Kingdom and reaching 70° at Cambridge. Exceeding 75° in France and exceeding 80° in many parts of southern Europe, the highest reading of all being 89° at Lyons and 88° at Palermo.

Wind W over all the more northern parts of the United Kingdom as well as over Denmark, North Germany, the Baltic, the south of Scandinavia and the greater part of Russia; fresh gales from WSW reported at Viborg and Trondheim. Light from the NE^W in Lapland, moderate to strong from the N^W in the west of Norway. S^W or SE^W in Spain and the west of France; N^W or NW^W in Italy; variable in Algeria. Subsequently veering to the SW^W in the west of France; gales in Scandinavia subsiding.

Barometer highest 30.0 in. to 30.2 in. over nearly the whole of central, southern, and southeastern Europe, as well as in the southwest of Ireland. Lowest 29.2 in. and less, in a depression over the Gulf of Bothnia and the neighbouring parts of Sweden and Finland, 29.8 in. and less, in a shallow system over the Bay of Biscay. Former disturbances subsequently travelling eastwards; latter system advancing slowly in a north-easterly direction across France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday, 18th September, 1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom.	Temp.	Wind.		Weather.	Barometer.	Shade Temp.			Wind.		Sea (0 to 9).	Weather.	Shade Temp.		Amount of Rainfall.			
				Reading at 32° F. and Sea Level.	Dry Bulb.			Dir.	Force (0 to 12).	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Dir.	Force (0 to 12).		Max.	Min.	
		Ins.	°				Ins.	°	°	°						°	Ins.			
SCANDINAVIA.	Haparanda ...	29.61	34	Z	0	b	29.58	+0.03	34	32	0	Z	0	b	#	b	43	27	-	
	Hernösand ...	29.59	40	Z	0	o	29.56	-0.04	39	36	+2	N	2	b	#	o	46	34	-	
	Stockholm ...	29.49	44	N	2	o	29.51	-0.08	42	41	-1	WNW	2	o	#	o	57	39	0.04	
	Wisby ...	29.38	51	ESE	4	r	29.51	-0.06	43	44	-6	N	6	o	#	r	57	48	0.51	
	Bodö ...	29.60	37	SE	2	m	29.52	-0.08	37	36	+1	ESE	2	bc	1	m	41	34	0.24	
	Christiansund...	29.50	43	E	2	b	29.47	-0.11	45	43	+3	SSW	2	c	3	b	50	41	-	
	Skudesnaes ...	29.50	47	WSW	4	r	29.48	-0.12	50	49	+1	SE	4	o	3	o	54	45	-	
	Christiania Fjord (Færdar)	29.52	50	NNE	2	b	29.56	-0.03	50	45	+3	ESE	4	o	1	b	54	46	-	
	Skagen (The Scaw)	29.50	51	NNE	2	bc	29.53	0.00	50	45	-4	SW	2	c	o	bc	55	48	0.04	
	Fanö ...	29.54	53	NW	2	c	29.52	-0.08	56	55	+2	WSW	4	c	#	c	61	52	0.04	
BRITISH ISLANDS.	Sumburgh Head	29.44	48	NNE	1	bc	29.34	-0.15	48	46	-2	S	1	o	1	bc	53	42	0.05	
	Stornoway ...	29.52	55	NE	2	bc	29.26	-0.26	56	56	+2	W	4	r	4	o, bc	58	50	0.56	
	Wick ...	29.52	54	SW	2	o	29.32	-0.23	52	52	+2	S	4	r	3	o	56	46	0.32	
	Nairn ...	29.50	56	WSW	2	o	29.32	-0.26	55	53	+3	Z	0	c	1	o	62	48	0.01	
	Aberdeen ...	29.50	55	WNW	2	c	29.39	-0.21	54	52	0	S	2	og	2	p.c	61	49	0.03	
	Leith ...	29.54	58	W	3	o	29.44	-0.22	57	55	+4	SW	3	o	#	o	59	51	-	
	Shields ...	29.58	57	WSW	4	o	29.50	-0.18	55	55	+4	WSW	3	o	2	o	61	52	-	
	Spurn Head ...	29.66	58	W	4	c	29.59	-0.12	58	56	+5	WSW	3	o	3	c, o	61	52	-	
	York ...	29.67	56	W	2	o	29.58	-0.15	58	56	+8	SW	2	o	#	o	62	48	0.01	
	Loughborough	29.74	58	WNW	2	c	29.66	-0.12	57	55	+6	WSW	3	om	#	c	64	57	-	
GERMANY & HOLLAND.	Ardrossan ...	29.56	57	W	4	o	29.46	-0.23	58	57	+2	W	3	op	3	o	59	55	0.02	
	Malin Head ...	29.64	57	NW	5	op	29.50	-0.19	57	57	+2	WSW	5	op	3	op	58	55	0.11	
	Mullaghmore ...	29.77	59	WNW	4	o	29.63	-0.20	59	57	+2	WNW	5	om	#	o	59	56	0.14	
	Belmullet ...	29.66	59	WNW	3	o	29.55	-0.23	58	57	+7	SW	3	c	1	o	60	50	0.02	
	Liverpool (Bidston)	29.71	56	WSW	4	o	29.61	-0.17	57	57	+1	WSW	3	o	2	o	59	55	0.05	
	Holyhead ...	29.71	57	WSW	4	og	29.64	-0.17	59	58	+3	W	2	og	2	og, og	60	55	0.01	
	Parsonstown ...	29.79	53	NE	1	o	29.67	-0.21	58	52	+7	SE	1	om	#	o, c	60	50	-	
	Valencia ...	29.90	59	W	5	ogm	29.80	-0.18	59	58	+2	WSW	4	om	4	o	59	56	0.05	
	Roche's Point	29.84	58	WNW	3	odp	29.75	-0.20	60	58	+6	W	3	o	3	o	60	53	-	
	Pembroke (St. Ann's Hd.)	29.81	57	W	4	r	29.72	-0.15	60	59	+4	W	4	cq	4	r	60	55	0.04	
FRANCE AND BELGIUM.	Scilly ...	29.89	60	WNW	4	c	29.81	-0.10	60	59	+1	WNW	5	m	3	c	61	58	0.03	
	Prawle Point ...	29.86	56	W	3	c	29.77	-0.08	58	58	+1	NW	3	rg	2	c, o, r	60	52	0.12	
	Jersey (St. Aubin's)	29.87	62	WNW	3	bc	29.82	+0.02	59	58	-1	WSW	4	om	3	bc, mg	64	56	0.14	
	Hurst Castle ...	29.80	60	NW	5	bc	29.76	-0.02	61	58	+6	WNW	3	c	2	bc	66	54	-	
	Dungeness ...	29.75	60	WNW	2	d	29.72	+0.05	61	59	+5	W	4	c	3	bc, c	62	50	-	
	North Foreland	29.72	58	NW	2	bc	29.70	+0.04	57	54	-1	W	2	c	2	b, bc	61	50	-	
	London ...	29.75	59	NW	1	o	29.71	-0.03	58	56	+3	WSW	1	o	#	bc, c, b	64	51	-	
	Oxford ...	29.79	56	WNW	2	o	29.71	-0.07	58	56	+5	SW	2	o	#	bc, c, o	63	52	-	
	Cambridge ...	29.74	59	SW	1	o	29.69	-0.06	57	55	+5	SSW	3	o	#	o	66	48	-	
	Yarmouth ...	29.70	60	NW	2	b	29.66	-0.02	57	55	0	WSW	3	c	2	b	63	52	-	
PENINSULA.	Cuxhaven ...	29.64	54	W	2	bc	29.67	+0.04	54	53	-2	WSW	3	c	#	bc	56	53	0.52	
	Berlin ...	29.58	55	NW	4	o	29.72	+0.20	50	49	-10	W	2	o	#	o	75	48	0.04	
	Wiesbaden ...	#	#	#	#	#	29.85	+0.21	56	53	-9	NW	2	b	#	#	72	50	0.20	
	Munich ...	29.71	60	SW	5	r	29.84	+0.03	52	52	-12	SW	6	r	#	r	72	52	0.47	
	The Helder ...	29.72	58	WNW	2	b	29.69	+0.03	59	56	+1	SW	5	c	3	b	61	57	-	
	Brussels (9 a.m.)	*	*	*	*	*	29.81	+0.20	53	51	-3	SSW	3	?	#	b	57	47	0.12	
	Cape Gris Nez	29.75	59	NW	3	c	29.74	+0.11	58	57	+1	W	5	o	5	c	61	55	-	
	Paris ...	29.81	59	NW	2	o	29.89	+0.29	48	47	-15	S	2	c	#	o	?	44	0.04	
	Brest ...	?	65	WNW	3	c	?	?	58	58	+1	W	3	o	3	c	63	55	0.04	
	Lorient ...	29.92	63	W	4	b	29.89	+0.07	60	57	0	W	4	o	2	b	68	55	-	
FRANCE AND BELGIUM.	Rochefort ...	29.82	64	NW	4	bc	29.87	+0.15	54	52	-10	NE	2	b	#	c, bc	70	50	-	
	Belfort ...																			
	Lyons ...	29.86	59	W	1	o	29.92	+0.15	55	53	-7	NW	1	b	#	o	75	52	0.12	
	Nice ...	29.70	68	W	1	c	29.71	-0.10	65	59	+7	Z	0	bc	2	bc	72	?	0.28	
	Perpignan ...	29.88	69	NW	1	o	29.89	+0.03	66	61	-1	Z	0	o	#	o	79	60	0.04	
	Biarritz ...	29.91	66	NW	3	o	29.88	-0.03	64	61	-2	Z	0	r	1	o, l	68	59	0.28	
PENINSULA.	Corunna ...	*	*	*	*	*										*	75	59	0.04	
	Lisbon ...	29.99	65	W	2	c	29.93	0.00	64	63	-1	NNE	3	o	#	*				

For Explanation of Columns, see bottom of last page.

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

for 8 a.m. on Monday, 18th Sept^r 1893.

EXPLANATION OF MAP

Changes since previous morning are stated in words.

*→ = furca above 10; → = forces 8 to 10.

→ forces 5 to 7; → forces 1 to 4.

A hand-drawn weather map of the North Atlantic and Europe, showing pressure systems, isobars, and weather fronts. The map includes labels for 'LOW', 'HIGH', 'Barometer', 'falling', 'rising', 'steadily', and 'slowly'. Isobars are drawn at 29.2, 29.4, 29.6, 29.8, and 30.0. Weather fronts are indicated by lines with arrows and symbols. The map also shows the coastlines of North America, Europe, and Africa.

Pressure Systems:

- Low Pressure System:** Located over the North Atlantic, centered around 29.3. It is labeled 'LOW' and 'Barometer falling'.
- High Pressure System:** Located over the North Atlantic, centered around 29.9. It is labeled 'Barometer HIGH' and 'rising'.

Weather Fronts:

- Steadily:** A front extending from the Low Pressure System towards the northeast.
- Slowly:** A front extending from the High Pressure System towards the northeast.

Isobars and Other Labels:

- Isobars are drawn at 29.2, 29.4, 29.6, 29.8, and 30.0.
- Other labels include 'Barometer', 'falling', 'rising', 'steadily', and 'slowly'.

WEATHER is shown by Letters of the Beaufort Scale.

The map displays a weather system over Europe and North Africa. Key features include:

- Temperature Isotherms (Solid Lines):** Labeled with values such as 40°, 50°, and 60°.
- Precipitation Patterns (Dashed Lines):** Labeled with values such as 48, 54, 56, 58, 59, and 60.
- Handwritten Annotations:**
 - Rain:** Written vertically in several locations.
 - No rain here:** Written in the upper right quadrant.
 - WAS:** Written vertically in the center.
 - ANAS:** Written vertically on the left.
 - RAT:** Written vertically on the left.
 - Heg:** Written in the center.
 - Rere:** Written in the center.
 - No rain:** Written in the lower center.
 - DEGREES COLDER:** Written diagonally in the lower right.
 - fallen SEVERAL:** Written diagonally in the lower left.
 - MER:** Written in the upper right.
- Numerical Data:** Various numbers are scattered across the map, including 37, 34, 39, 42, 48, 50, 54, 56, 58, 59, 60, 64, 65, 66, 70, 72, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.9 ins: and upwards, over Central France.

Lowest, 29.3 ins: and less, in a depression lying off the north of Scotland.

Gradients moderate over our Islands and the southern part of the North Sea, but slight elsewhere.

Barometer falling at all but the Dutch and German stations - most in the north of Scotland.

TEMPERATURE

Highest, 66° at Perpignan, 65° at Nice, 64° at Biarritz, 61° at Hunt Castle and Dungeness, and 60° at Rochefort, Lorient, Brest, and Brest.

Lowest, (1) 34° at Haparanda, 37° at Bodo, 38° at Hemöland, 42° at Stockholm, and 45° at Christiansund; (2) 48° at Paris, and 50° at Berlin.

The highest maxima registered over our Islands yesterday were 63° at Raoul Point, and 60° at Hunt Castle and Cambridge.

WIND

Light to fresh from the Wnd or SWnd over the greater part of the United Kingdom, Denmark, Germany, the Netherlands, and the north of France, but S¹ in the east of Scotland, and SE¹ or E¹ at the Norwegian stations.

N¹ in Sweden; calm or variable in the southern part of France.

WEATHER

Bull over the United Kingdom, with rain in the north of Scotland and at some of the Channel stations, and with passing showers on our extreme north-west coast.

Fine over the central part of France and northern part of Scandinavia, but cloudy in most other parts of the Continent, with rain at Munich, Biarritz.

Rain fell yesterday in the east and north of our Islands, as well as at most of the Continental stations, and lightning was seen at Biarritz.

SEA

Moderate to smooth generally, but rather rough at Cape Fin Noy.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the north of Scotland will probably move eastwards, and occasion freshening W¹ winds on most parts of our western and northern coasts. Showers are likely to occur in all districts.

FORECASTS

For the 24 hours ending at NOON on 19th SEPT: 1893.

DISTRICTS.

FORECASTS.

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

SW² to W² winds, freshening;
cloudy, rain at times.

SW² and W² winds, moderate;
cloudy, some showers.

DISTRICTS.

FORECASTS.

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

W² winds, freshening, cloudy, 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.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.50	53	48	W	2	0	2	Valencia ...							
Sumburgh Head								Scilly ...							
Stornoway ...	29.51	57	55	W	10	0	4	Jersey ...	29.86	63	56	W	4	6c	3
Aberdeen ...								Hurst Castle							
Shields ...								Dungeness...	29.73	62	55	W	4	6c	3
Ardrossen ...								North Foreland...	29.69	61	57	W	4	6	3
Malin Head ...	29.65	57	56	W	4	0	3	London ...							
Mullaghmore								Yarmouth ...							
Belmullet ...	29.80	59	57	W	3	0	3	Rocheport ...	29.73	65	62	W	4	6	3
Holyhead ...	29.78	57	54	W	4	0	3								

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

Weather fine and bright over the greater part of England, as well as in Austria, the south of Russia and Italy and at many of the Scandinavian stations. Cloudy or overcast elsewhere, with rain in the extreme northwest of our Islands, as well as over the Netherlands, North Germany, the Baltic, the Gulf of Finland, the south of France and the north of Spain. Showers falling during day in the western and northern parts of our Islands generally, and heavy rain at some of the Swedish and German stations. Lightning seen at Biarritz.

Temperature risen over central England, as well as in Germany, Austria and Italy, but fallen elsewhere. Morning readings highest 84° at Tunis, 81° at Spas, 78° at Algiers, and 77° at Cagliari and Malta, above 70° at most of the Italian stations, and above 65° in Spain and the south of France. Lowest 33° at Uledborg, 34° at Haparanda, 35° at Kuopio, 36° at Archangel, and 37° at Hernösand. Rising during day to between 66 and 69° at some of our own central and southern stations, but remaining below 60° on our extreme west and north coasts. Exceeding 70° over the southern parts of France, and reaching 79° at Perpignan.

Wind light to moderate from W or SW over Ireland and Scotland, but NW or N over England. Strong from W. or NW in the west of France, light from the S. in the central parts of that country; cyclonic circulation of light breezes reported over Germany, N. in Sweden, E. in the west of Norway, variable in Russia and Italy, light from the SE. in Austria. Subsequently veering to the NW on some parts of our western and northern coasts; strong winds in the west of France subsiding gradually.

Barometer highest 30.1 ins. and upwards over Turkey and Asia Minor, 30.0 ins. and upwards over Morocco and the southern half of the Spanish Peninsula. Lowest (1) 29.4 ins. and upwards in a shallow depression over the N. of Russia; (2) 29.5 ins. and less in two other disturbances, one lying over the N. half of Germany, and the other off the N. of Scotland; (3) 29.6 ins. and less in a small system near Paris. Depression off N. of Scotland subsequently spreading SE. over the N. parts of the North Sea.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 10TH TO 16TH SEPT. 1893

In the course of this period heavy rains were experienced in the extreme northern parts of our Islands, and also at some of our most southern stations, but in all the more central districts the weather was for the most part fair and dry.

At the commencement of the week a large anticyclone lay over the northern parts of the Kingdom, while a well marked depression, which had advanced from the westward — was found near the mouth of the Channel. The latter system after producing an E. gale in the Scilly Islands, with heavy rain, passed away to the south-eastward, and by Monday morning the northern anticyclone had spread over the entire Kingdom.

A series of cyclonic disturbances now began to advance over Scandinavia from the Atlantic, and for the remainder of the week the weather over our extreme northern districts was influenced to a considerable extent by these systems, the wind being strong and squally from the W. (SW to NW), with occasional heavy falls of rain. In the south the conditions remained anticyclonic until very nearly the close of the period, but on the 16th a shallow depression moved slowly NE. from the Bay of Biscay, and occasioned heavy rain at some of the Channel stations, the amounts measured next morning being as large as 1.9 ins. at Jersey, and 1.7 ins. at Cape Gris. Neg.

Temperature was high towards the latter end of the week, especially over the inland parts of England where the thermometer rose to 75° or a little above it on the 14th and 15th.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on TUESDAY, 19TH SEPTEMBER, 1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		Barom.	Temp.	WIND.		Weather.	Barometer.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.						
Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).	Weather.	Weather.	Max.	Min.	Amount of Rainfall.						
		Ins.	°			Ins.	°	°	°						ins.						
SCANDINAVIA.	Haparanda ...	29.53	59	SW	2	b	29.52	-0.6	42	41	+8	SW	4	b	#	b	45	25	—		
	Hernösand ...	29.57	46	SW	6	b	29.41	-1.5	44	43	+5	SE	8	T	#	b	50	27	0.04		
	Stockholm ...	29.64	43	2	0	b	29.59	-1.2	54	53	+12	SW	2	0	#	b	2	69	0.16		
	Wisby ...	29.71	42	NNW	4	b	29.52	+0.1	53	51	+7	SW	8	T	#	b	2	29	0.05		
	Bodö ...	29.46	36	ENE	1	b	29.25	-2.7	40	38	+3	ENE	4	b	2	b	2	2	—		
	Christiansund...	29.50	48	ESE	1	0	29.94	-5.3	48	47	+3	ESE	2	0	2	0	52	27	0.08		
	Skudesnaes ...	29.26	53	SE	7	T	29.07	-1.4	56	54	+6	S	8	0	4	0.7	2	2	—		
	Christiania Fjord (Færdler)	29.40	53	ESE	6	0	29.20	-3.6	57	56	+7	SW	6	0	3	0	2	2	0.24		
	Skagen (The Scaw)	29.58	56	S	2	0	29.29	-2.4	58	57	+8	WNW	2	0	1	0	53	45	0.08		
	Fanö ...	29.44	58	SW	6	T	29.40	-1.2	61	59	+5	SW	4	0	#	T	63	53	0.16		
BRITISH ISLANDS.	Sumburgh Head	29.02	53	W	8	0	29.77	-5.5	47	46	-1	W	1	T	3	T.0	54	45	0.72		
	Stornoway ...	29.16	53	W	4	T	29.92	-3.4	50	46	-6	W	4	b	4	T	58	45	0.20		
	Wick ...	29.14	53	W	4	0	29.80	-4.3	52	49	0	W	6	ow	2	0	59	49	0.25		
	Nairn ...	29.18	58	W	3	C	29.96	-3.6	52	50	-3	WNW	2	C	3	C	63	49	0.05		
	Aberdeen ...	29.22	60	WNW	2	bc	29.02	-3.7	50	50	+4	SW	4	bc	3	p. bc	65	53	0.02		
	Leith ...	29.51	58	SW	4	0	29.11	-3.3	56	52	-1	WNW	5	b	#	0	63	53	0.03		
	Shields ...	29.53	60	SW	2	d	29.19	-3.1	61	56	+5	SW	4	bc	2	p. c. d	63	56	0.02		
	Spurn Head ...	29.49	61	WNW	4	og	29.35	-2.4	62	60	+4	SW	5	og	4	og	63	57	—		
	York ...	29.48	60	W	4	0	29.52	-2.6	61	58	+3	W	4	bc	#	0	63	57	0.03		
	Loughborough	29.56	63	WNW	2	0	29.42	-2.4	62	59	+5	SW	4	cq	#	0	64	57	0.01		
BRITISH ISLANDS.	Ardrossan ...	29.55	57	WNW	4	op	29.15	-3.1	57	52	-1	W	4	b	3	op	59	52	0.16		
	Malin Head ...	29.58	57	WNW	4	opd	29.19	-3.1	54	50	-3	W	5	bc	4	opd	58	52	0.17		
	Mullaghmore ...	29.57	58	W	4	0	29.35	-2.8	58	52	-4	W	5	C	#	0	61	52	0.03		
	Belmullet ...	29.46	60	WNW	3	op	29.37	-2.8	54	52	-4	WNW	2	C	1	op	64	52	0.03		
	Donaghadee ...	29.55	57	WNW	4	op	29.15	-3.1	57	52	-1	W	4	b	3	op	59	52	0.16		
	Liverpool (Bidston)	29.52	57	W	4	0	29.32	-2.9	60	56	+3	WNW	7	bc	5	0	61	53	0.07		
	Holyhead ...	29.53	57	WNW	2	C	29.37	-2.7	60	58	+1	WNW	4	C	3	og c	62	58	0.01		
	Parsonstown ...	29.59	58	SE	1	0	29.40	-2.7	58	53	-3	W	1	C	#	0.7	63	53	0.14		
	Valencia ...	29.70	60	WNW	3	0	29.51	-2.9	59	57	0	WNW	2	0	4	om o	61	53	0.05		
	Roche's Point	29.65	64	W	3	C	29.50	-2.5	62	60	+2	WNW	2	C	3	c. d	65	56	—		
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.64	60	W	4	C	29.46	-2.6	62	60	+2	W	5	C	4	C	62	57	—		
	Scilly ...	29.75	61	W	4	C	29.60	-2.1	62	61	+2	SW	4	C	3	C. C. P.	63	57	0.04		
	Prawle Point ...	29.71	58	WNW	4	P	29.59	-1.8	59	53	+1	SW	5	P	4	P	61	57	0.20		
	Jersey (St. Aubin's)	29.76	62	W	4	opm	29.69	-1.3	61	60	+2	SW	5	om p	4	C. m. p.	64	58	0.35		
	Hurst Castle ...	29.67	63	WNW	6	C	29.59	-1.7	63	61	+2	WNW	6	C	4	C. T.	66	60	0.01		
	Dungeness ...	29.64	62	WNW	5	og	29.57	-1.5	63	61	+2	W	5	C	4	og. og	66	60	0.02		
	North Foreland	29.62	62	W	3	0	29.54	-1.6	64	60	+7	W	3	C	2	bc. o	66	56	—		
	London ...	29.63	62	WNW	3	0	29.54	-1.7	62	59	+4	SW	2	0	#	0	66	58	—		
	Oxford ...	29.62	61	SW	3	0	29.50	-2.1	61	58	+3	SW	3	ow	#	0	67	58	—		
	Cambridge ...	29.57	63	SW	2	b	29.47	-2.2	63	60	+6	S	7	C	#	b	67	53	—		
GERMANY & HOLLAND.	Yarmouth ...	29.55	64	WNW	2	C	29.47	-1.9	61	59	+4	SW	4	C	3	C	64	55	—		
	Cuxhaven ...	29.67	58	SW	4	0	29.60	-0.7	58	57	+4	SW	2	0	#	0	60	54	—		
	Berlin ...	29.76	57	2	0	C	29.75	+0.3	58	51	+5	SW	2	C	#	0	63	50	—		
	Wiesbaden ...	*	*	*	*	*	29.82	-0.3	54	51	-2	2	0	0	#	#	63	48	—		
	Munich ...	29.93	51	2	0	#	29.93	+0.9	51	50	-1	SW	4	b	#	b	57	45	0.22		
	The Helder ...	29.60	61	SW	5	0	29.54	-1.5	62	60	+3	SW	5	C	3	0	63	57	0.12		
	Brussels (9 a.m.)	*	*	*	*	*	29.68	-1.3	58	56	+5	SW	4	0	#	T	62	53	0.04		
	Cape Gris Nez	29.63	62	W	5	0	29.58	-1.6	60	59	+2	WNW	5	0	5	0	62	54	0.16		
	Paris ...	29.82	61	SW	2	0	29.78	-1.1	58	57	+10	S	2	b	#	0	68	2	—		
	Brest ...	29.7	61	NN	2	0	29.7	2	62	60	+4	NN	2	C	3	0	63	58	—		
FRANCE AND BELGIUM.	Lorient ...	29.84	62	WNW	4	0	29.77	-1.2	62	59	+2	WNW	5	C	3	0	66	57	0.08		
	Rochefort ...	29.83	64	WNW	2	bc	29.78	-0.9	60	60	+6	WNW	2	0	#	b. bc	68	54	0.09		
	Belfort ...	29.7	59	W	3	0	29.7	?	62	54	+2	W	3	bc	#	0	68	50	—		
	Lyons ...	29.86	62	E	1	b	29.92	0.0	58	52	0	WNW	1	b	#	b	71	51	—		
	Nice ...	29.70	68	SE	1	b	29.83	+1.2	60	55	-5	E	1	b	2	b	77	53	—		
	Perpignan ...	29.87	66	S	2	0	29.90	+0.1	64	61	-2	2	0	bc	#	0	76	60	0.04		
	Biarritz ...	29.88	66	N	4	0	29.86	-0.2	60	56	-4	SE	2	0	2	0	70	57	—		
	Corunna ...	29.90	*	*	*	*	29.89	-0.4	65	61	+1	WNW	4	bc	*	0	68	61	0.04		
	Lisbon ...	29.90	62	N	5	0	29.89	-0.4	65	61	+1	WNW	4	bc	*	0	68	61	0.04		
	PENINSULAR.	Lisbon ...	29.90	62	N	5	0	29.89	-0.4	65	61	+1	WNW	4	bc	*	0	68	61	0.04	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Tuesday, 19th Sept. 1893.

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:

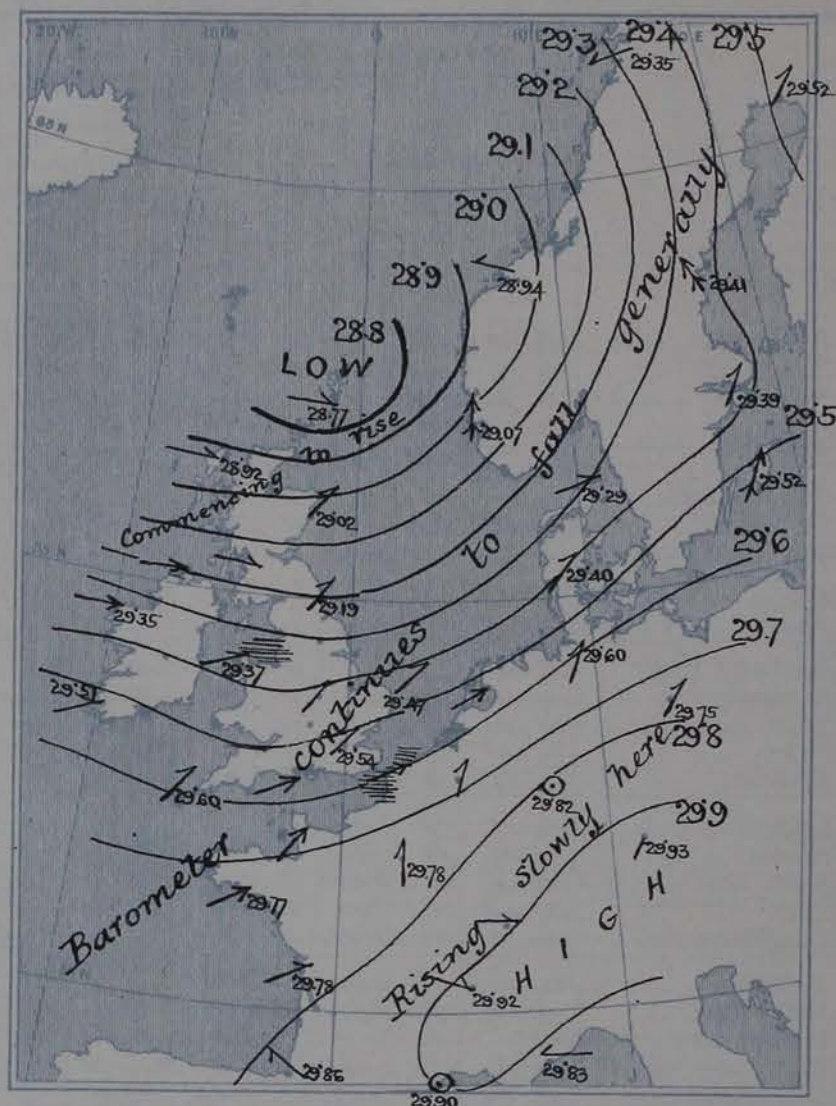
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrossan	29.885
Mullaghmore	29.890
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.940
Pembroke	29.948
Scilly	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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.

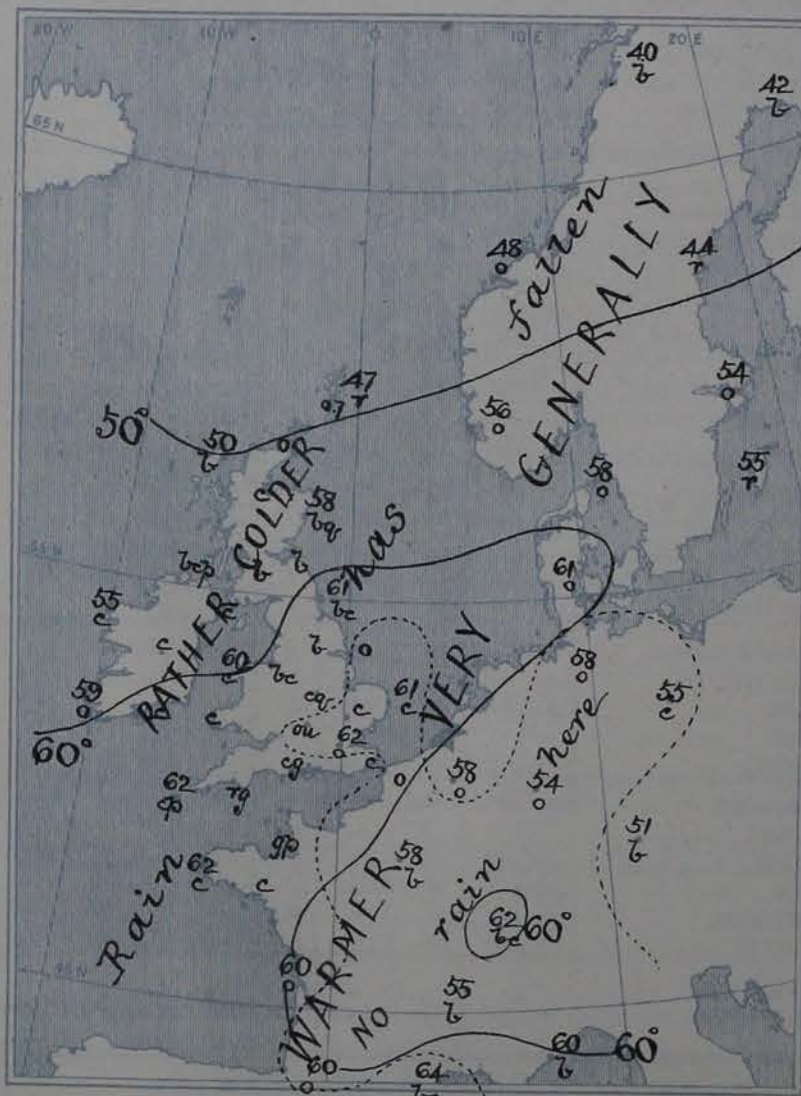
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	55.0	46.1	50.8	49.1	3.32
Stornoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.5	51.0	50.0	2.53
Nairn	59.2	46.5	51.3	48.9	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.97
Leith	61.0	47.5	53.2	50.8	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	55.5	53.8	2.92
York	62.9	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.70
Ardrossan	59.0	49.4	53.5	51.4	2.67
Mullaghmore	60.2	50.9	54.0	51.6	4.05
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.6	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.30
Parsonstown	61.5	47.4	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	60.1	53.0	56.1	53.0	3.58
Scilly	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.40
Jersey	65.4	54.8	59.9	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	66.4	49.6	55.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.66
Cambridge	65.6	48.1	54.0	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.91

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.9 in: and upwards, over the southern parts of France, and Germany.
 Lowest, 28.8 in: and less, in a depression lying off the north of Scotland.
 Gradients rather steep over our Islands, Scandinavia, and the North Sea, slight over France and Germany.
 Barometer falling generally, but beginning to rise again in the Hebrides. Rising also in the southern parts of France and Germany.

TEMPERATURE

Highest, 64° at the North Foreland and Perpignan, 63° at Harst Castle, Dungeness, and Cambridge, and 62° at Spain, 11° at Loughborough, Rocks Point, Pembroke, Feilly, and in London.
 Lowest, 40° at Bodo, 42° at Haparanda, 44° at Haparanda, 47° at Lumburg, 48° at Christianaund, and 50° at Stromsburg.
 The highest maxima registered over our Islands yesterday were 68° at Loughborough, and 67° at Oxford and Cambridge.

WIND

Moderate to strong from the W² or SW² over our Islands and the north of France, and from the SW² or S² in Germany, Denmark, and the south of Scandinavia, with gales at Kirkby and Skudenes.
 SE¹ or E¹ over the northern parts of Scandinavia, with a gale at Haparanda.
 Light from the E² or SE² in the south of France.

WEATHER

Fine in the more central parts of the United Kingdom, but cloudy and showery in most other districts.
 Fine and bright in the north of Scandinavia and the central and southern parts of France; dull in other parts of the Continent, with rain at some of the Soudet stations.
 In the course of the past 24 hours rain has fallen in many parts of the United Kingdom, the amounts being slight in most places but as large as 0.72 inch at Lumburg Head.

SEA

Moderate to smooth generally, but rather rough at Liverpool and Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north is moving slowly eastwards, while shallow secondary disturbances are advancing over Ireland and England. Featy showery weather seems likely to continue in most districts.

FORECASTS

For the 24 hours ending at NOON on 20th SEPT: 1893.

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
1	0 SCOTLAND NORTH	} W ² to NW ² winds, strong, perhaps a gale; squally, showery.	6 SCOTLAND WEST	} Same as N° 5	
	1 SCOTLAND EAST		7 ENGLAND N.W.		
	2 ENGLAND N.E.		8 ENGLAND S.W.		
	3 ENGLAND EAST		9 IRELAND NORTH		
	4 MIDLAND COUNTIES		10 IRELAND SOUTH		
5	ENGLAND SOUTH	} SW ² to W ² winds, fresh; gusty, some showers.	WARNINGS		} At 3.40 pm yesterday to district 0 "Hoist North Cone".

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.41	55	50	SSE	6	0	2	Valencia ...	29.75	61	60	W	4	m	4
Sumburgh Head ...	29.13	50	50	S	2	7	2	Scilly ...	29.79	62	59	W	4	C	2
Stornoway ...	29.22	50	56	W	4	7	4	Jersey ...	29.80	64	61	W	4	Cpm	2
Aberdeen ...	29.24	62	59	W	2	bc	2	Hurst Castle ...	29.71	64	61	WSW	5	C7	2
Shields ...	29.42	62	58	SW	2	C	2	Dungeness ...	29.66	63	62	W	5	079	4
Ardrossan ...	29.40	59	59	WSW	2	07	2	North Foreland ...	29.63	66	60	W	2	bc	2
Malin Head ...	29.44	58	56	W	5	odp	2	London ...	29.65	67	59	WSW	2	0	*
Mullaghmore ...								Yarmouth ...	29.59	63	58	WSW	4	C	2
Belmullet ...	29.61	60	59	W	4	0	*	Rochefort ...	29.86	67	62	WNW	2	C	*
Holyhead ...	29.59	61	57	SW	2	09	2								

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

Weather dull over the greater part of the United Kingdom, with rain in the north of Scotland and at some of the Channel stations, and with passing showers on our northwest coasts. Fine in the north of Scandinavia, central France, and the central and southern parts of Russia, but dull in most other parts of the Continent, with rain over the Gulf of Finland, Poland, and south Germany, as well as at Biarritz and Madrid. Showers falling during day in many parts of Western Europe, but weather remaining dry at several of our southeastern and southwestern stations.

Temperature risen in our Islands, Scandinavia, Austria, and the south of Italy, but fallen elsewhere. Morning readings, highest 79° at Rhindere, Malta, and Ifax, 78° at Algiers, and 75° at Palermo, above 70° at most of the Mediterranean stations, and above 60° in the extreme south of England. Lowest 31° at Uleaborg, 33° at Archangel, 34° at Napavanda, 37° at Bodo, and 39° at Hemisand. Rising during day to 65° and upwards in many parts of Great Britain, and reaching 68° at Loughborough. Exceeding 70° over the southern parts of France, the highest reading being 77° at Nice.

Wind light to fresh from the W² or SW² over the greater part of the United Kingdom, Denmark, Germany, the Netherlands, and the north of France; S¹ in the north and east of Scotland; SE¹ or E¹ at the Norwegian stations. Cyclonic circulation reported over Sweden and Western Russia, with a strong gale from NW. at Riga. Light SE¹ or S¹ over Italy, Austria, and the south of Russia. Subsequently, veering to the W² in the north and east of Scotland, and increasing to a moderate gale in Caithness; no important change occurring elsewhere.

Barometer highest 30.1 ins. and upwards in the south of Spain, 29.3 ins. and upwards over the extreme southern and southeastern parts of Europe generally as well as over Central France. Lowest 29.3 ins. and less, in a depression lying over the north of Scotland and also in another disturbance over the Baltic Provinces. Former disturbance subsequently moving slowly eastwards and becoming deeper; barometer falling in all parts of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on

Wednesday, 20th September,

1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		Barom.	Temp.	WIND.		Weather.	Barometer.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.						
Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.	Max.	Min.	Amount of Rainfall.							
Ins.		°			Ins.		°	°	°						Ins.						
SCANDINAVIA.	Haparanda ...	29.29	41	SW	6	r	29.21	- 31	49	48	+ 7	W	4	6	6	r	49	37	0.55		
	Hernösand ...	29.14	54	SSE	9	bc	29.30	- 11	54	52	+ 10	S	6	6	c	bc	54	43	0.16		
	Stockholm ...	29.43	56	S	6	o	29.50	+ 11	58	56	+ 4	SSW	4	0	6	o	59	41	-		
	Wisby ...	29.62	57	SW	6	o	29.63	+ 11	58	55	+ 3	SSW	4	0	6	o	?	41	-		
	Bodö ...	28.99	45	E	6	o	29.13	- 12	42	42	+ 2	E	2	2	1	o	46	37	0.20		
	Christiansund ...	28.46	50	SW	3	o	29.08	+ 14	48	45	0	SE	2	0	3	o	52	45	0.28		
	Skudesnaes ...	29.17	55	SSW	6	bc	29.17	+ 10	54	44	- 2	SSW	8	0	5	c, l	61	52	-		
	Christiania Fjord (Fjord)	29.25	57	SSW	7	m	29.27	+ 07	57	56	0	SSW	5	m	5	m	59	55	-		
	Skagen (The Scaw)	29.36	59	WSW	3	o	29.31	+ 02	58	58	0	WSW	3	0	2	o, r	63	57	0.67		
	Fanö ...	29.40	61	SW	6	bc	29.36	- 04	60	59	- 1	SSW	4	1	4	6	66	59	0.04		
BRITISH ISLANDS.	Sumburgh Head	28.76	51	WSW	5	r	28.86	+ 09	49	48	+ 2	W	2	6	4	r	54	46	0.15		
	Stornoway ...	28.94	48	W	6	r	29.26	+ 34	45	45	- 5	W	8	0	6	bc, r	54	42	0.35		
	Wick ...	28.86	50	WNW	6	bc	29.03	+ 14	49	49	- 3	W	7	0	5	bc, l	56	34	0.03		
	Nairn ...	28.95	49	W	3	c	29.18	+ 22	47	45	- 5	W	3	0	2	c	58	43	-		
	Aberdeen ...	29.02	50	SSW	5	bc	29.16	+ 14	50	44	- 8	W	5	6	bc	62	45	-			
	Leith ...	29.12	50	SW	3	bc	29.25	+ 14	47	44	- 9	WSW	4	0	4	bc	61	43	0.03		
	Shields ...	29.21	59	SW	4	bc	29.30	+ 11	51	47	- 10	WSW	4	0	2	bc, p	65	42	-		
	Spurn Head ...	29.32	59	WSW	3	c	29.37	+ 02	51	48	- 1	W	4	0	3	c	68	48	-		
	York ...	29.30	59	WSW	1	bc	29.37	+ 05	49	46	- 12	SSW	1	0	6	bc	65	45	-		
	Loughborough	29.38	58	SW	3	c	29.43	+ 01	47	44	- 15	SW	2	0	6	cp	69	45	0.03		
BRITISH ISLANDS.	Ardrossan ...	29.15	53	W	5	bc	29.30	+ 15	49	46	- 8	WNW	3	0	2	bc	59	48	0.06		
	Malin Head ...	29.15	51	W	6	bc	29.37	+ 18	49	45	- 5	WNW	5	0	6	bc, bc	55	48	0.16		
	Mullaghmore ...	29.35	52	WNW	6	p	29.48	+ 13	48	45	- 7	WNW	4	0	6	cp	57	44	0.54		
	Belmullet ...	29.25	52	WSW	5	c	29.38	+ 11	50	48	- 4	WNW	4	0	2	c	62	50	0.03		
	Liverpool (Bidston)	29.33	56	SW	3	bc	29.38	+ 06	51	48	- 9	WSW	3	0	4	bc	62	46	0.09		
	Holyhead ...	29.33	56	W	5	c, p	29.39	+ 02	53	51	- 5	WNW	2	0	2	c, p	62	49	0.01		
	Parsonstown ...	29.38	52	W	1	bc	29.47	+ 07	46	44	- 9	W	1	0	6	c, l	60	42	0.02		
	Valencia ...	29.50	55	WNW	5	c, p	29.51	00	50	48	- 9	W	3	0	3	c, p	60	43	0.42		
	Roche's Point	29.45	56	WNW	3	bc	29.48	- 02	48	46	- 14	WNW	3	0	3	c, l	63	42	-		
	Pembroke (St. Ann's Hd.)	29.41	59	W	5	bc	29.44	- 02	55	48	- 7	W	4	0	3	bc	62	53	0.03		
GERMANY & HOLLAND.	Scilly ...	29.53	59	WNW	4	cp	29.49	- 11	57	50	- 5	WNW	4	0	4	cp	65	53	0.08		
	Prawle Point ...	29.50	57	SW	5	c	29.48	- 11	54	52	- 5	WSW	3	0	2	cp	62	50	0.04		
	Jersey (St. Aubin's)	29.59	64	SW	5	c, p	29.51	- 18	59	56	- 2	WNW	4	0	4	c, p	66	55	0.22		
	Hurst Castle ...	29.51	61	WSW	7	c, p	29.48	- 11	55	53	- 8	W	0	0	3	bc, p	66	54	0.02		
	Dungeness ...	29.51	63	WSW	6	c, p	29.44	- 13	58	56	- 5	WNW	2	0	3	c, p	67	56	0.12		
	North Foreland	29.49	62	SW	5	c, p	29.44	- 10	58	55	- 6	W	2	0	2	c, p	67	55	0.04		
	London ...	29.46	63	SW	5	o	29.47	- 07	55	52	- 7	W	2	0	6	cp	67	52	0.01		
	Oxford ...	29.44	58	W	2	o	29.46	- 04	49	47	- 12	WSW	2	0	6	c, p	67	48	0.04		
	Cambridge ...	29.42	60	SSE	6	r	29.45	- 02	51	49	- 12	SW	3	0	6	r	69	47	0.07		
	Yarmouth ...	29.40	65	W	6	c, p	29.42	- 05	56	53	- 5	WNW	2	0	2	bc, p	69	54	0.05		
FRANCE AND BELGIUM.	Cuxhaven ...	29.59	58	SW	3	c	29.51	- 09	58	57	0	SSW	2	0	6	c	63	57	-		
	Berlin ...	29.72	63	SW	2	o	29.65	- 10	59	56	+ 4	SSW	3	0	6	o	70	55	-		
	Wiesbaden ...	29.88	54	SW	1	bc	29.63	- 19	57	54	+ 3	SW	1	0	6	bc	66	48	-		
	Munich ...	29.88	54	SW	1	bc	29.71	- 22	52	50	+ 1	E	2	0	6	bc	64	45	-		
	The Helder ...	29.51	63	SW	6	o	29.43	- 11	59	58	- 3	WSW	1	0	2	o	64	59	0.83		
	Brussels (9 a.m.)	29.54	60	WSW	5	r	29.50	- 18	60	57	+ 2	SW	4	0	6	o	66	58	-		
	Cape Gris Nez	29.69	66	SSW	2	o	29.44	- 14	57	57	- 3	WNW	3	0	4	r	63	55	0.82		
	Paris ...	29.69	66	SSW	2	o	29.56	- 22	56	55	- 2	SSW	1	0	6	o	78	55	-		
	Brest ...	29.66	63	WSW	3	c	29.56	- 21	57	56	- 5	W	3	0	3	c	64	55	0.12		
	Lorient ...	29.66	63	SW	5	c	29.56	- 21	59	58	- 3	W	3	0	2	c	68	57	-		
FRANCE AND BELGIUM.	Rochefort ...	29.74	64	WSW	3	o	29.58	- 20	63	62	+ 3	WSW	3	0	6	o	77	57	-		
	Belfort ...	29.74	64	W	3	o	29.58	- 20	61	54	- 1	W	3	0	6	c	67	49	0.04		
	Lyons ...	29.85	65	S	1	bc	29.62	- 30	56	55	+ 1	S	3	0	6	bc	75	56	0.24		
	Nice ...	29.85	65	S	1	bc	29.68	- 15	58	57	- 2	E	1	0	3	bc	73	57	0.16		
	Perpignan ...	29.75	66	E	2	o	29.69	- 21	65	57	+ 1	W	5	0	6	o	74	55	0.63		
	Biarritz ...	29.68	61	WSW	1	r	29.74	- 12	62	60	+ 2	WSW	5	0	5	l, r	66	57	1.73		
	Corunna ...	30.01	64	WNW	3	bc	30.05	+ 16	67	62	+ 2	SW	3	0	6	bc	73	63	0.04		
	Lisbon ...	30.01	64	WNW	3	bc	30.05	+ 16	67	62	+ 2	SW	3	0	6	bc	73	63	0.04		

For Explanation of Columns, see bottom of last page

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

WEATHER CHARTS

for 8 a.m. on Wednesday, 20th Sept. 1893.

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EXPLANATION OF MAP

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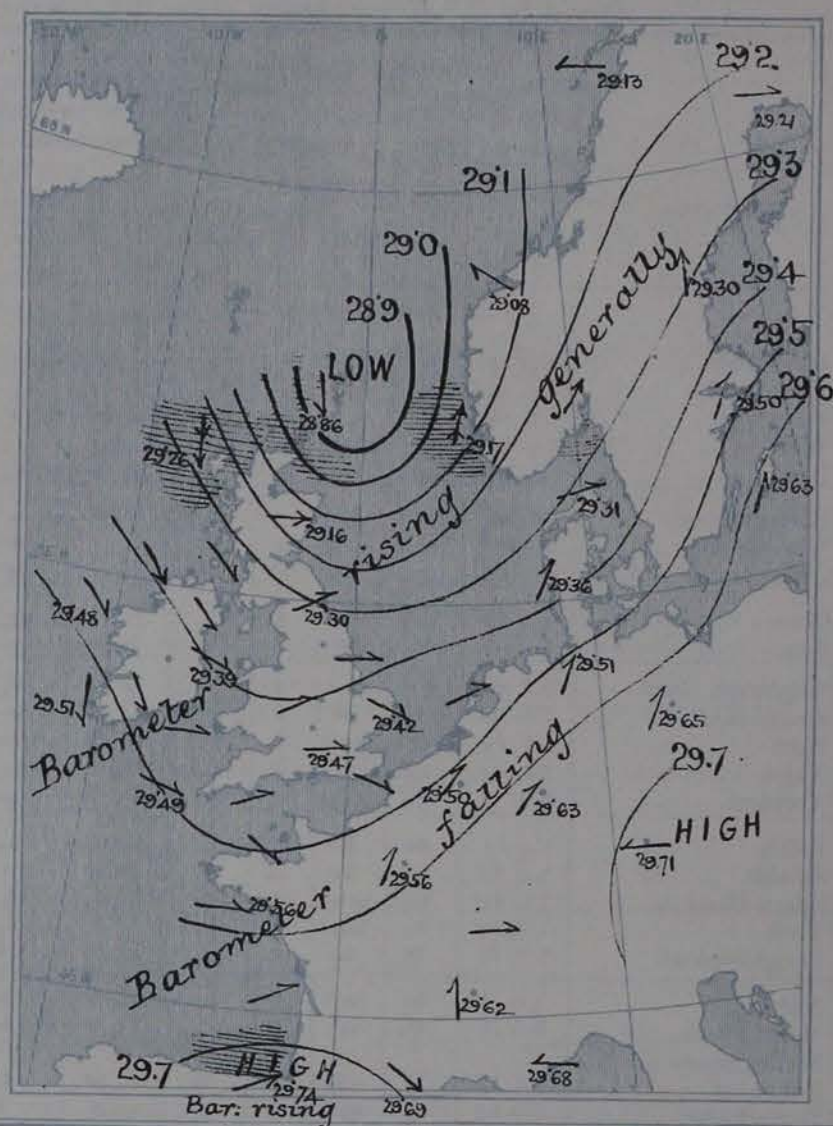
— = Rough. — = High.

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

During the 20 Years 1871–1890.

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Ardrossan	29.885
Mullaghmore	29.890
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Sally	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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.

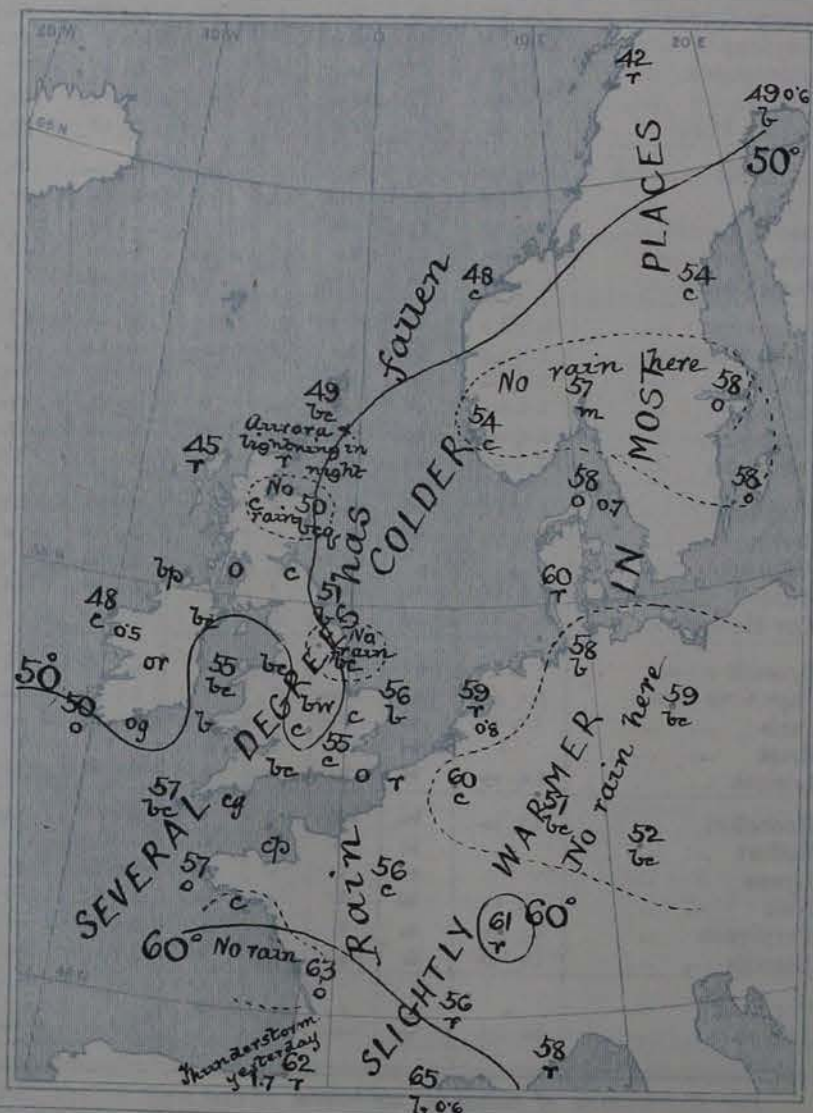
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of September.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
Sumburgh Head	55.0	40.1	50.8	40.1	2.32
Stornoway	56.8	45.8	51.4	50.1	4.10
Wick	57.7	45.5	51.9	50.0	2.83
Nairn	59.2	46.5	51.3	48.9	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.97
Leith	61.0	47.3	53.2	50.8	2.34
Shields	59.8	48.8	53.1	51.0	2.59
Spurn Head	60.4	52.7	55.5	53.8	2.92
York	62.9	47.7	52.9	51.1	2.79
Loughborough	63.0	47.8	54.0	52.2	2.75
Ardrossan	59.6	49.4	53.5	51.4	3.97
Mullaghmore	60.2	50.9	54.0	51.6	4.05
Donaghadee	59.6	49.2	53.5	52.3	3.64
Holyhead	60.7	52.6	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.30
Parsonstown	61.5	47.4	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	61.1	53.0	56.1	53.9	3.58
Sally	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	53.2	2.46
Jersey	65.4	54.8	59.0	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	66.4	49.6	55.8	53.5	2.55
Oxford	64.0	48.9	54.0	52.1	2.66
Cambridge	63.0	48.1	54.6	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.91

NOTE.—The Temperature means are for the 20 years 1871–90, the Rainfall means are mainly those for the 25 years 1866–90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.7 in. and upwards over Spain and the extreme southwest of France and also over South Germany.

Lowest, 28.9 in. and less, in a depression lying between the Shetlands and the Norwegian coast.

Gradients rather steep over the northern parts of Scotland and the North Sea, but slight elsewhere.

Barometer rising in all but the extreme southern parts of the United Kingdom, as well as in Scandinavia, falling elsewhere.

TEMPERATURE

Highest, 65° at Perpignan, 63° at Rochefort, 62° at Biarritz, 61° at Belfast, and 60° at Jaro and Brussels.

Lowest, 41° at Bodo, 45° at Skarsvåg, 46° at Parosvåg, 47° at Naime, Leth and Loughborough, and 48° at Christiansund. (Balmuccia + Hoken P.).

The highest maxima registered over our Islands yesterday, were 69° at Loughborough, Cambridge, and Portsmouth, and 68° at Spurn Head.

WIND

Strong to a gale from the N^W or NW^W in the north of Scotland, and moderate from the same quarter in Ireland and the west of Scotland.

Light to moderate from the W^W or SW^W over the greater part of England and in the east of Scotland.

Light from the SW^W or S^W over France, Germany, and the Netherlands; strong to a gale from the same quarter in the south of Norway; E^W or SE^W in the west of Norway.

WEATHER

Fine at most of our eastern stations, but showery in the western and south-western districts, and rainy in the north of Scotland. A solar halo reported at Oxford.

Fine in Germany, cloudy in most other parts of the Continent, with rain in the south of France. Showers fell yesterday in nearly all parts of the United Kingdom, and heavy rain in Denmark, Holland, and the south of France. A thunderstorm has occurred at Biarritz; lightning and an aurora were seen last night at Wick.

SEA

Rather rough off the north of Scotland and the south of Norway, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north appears to be gradually filling up, but small and very shallow secondary disturbances are moving southwards over Ireland and England. Showery weather is therefore likely to continue in many places.

FORECASTS

For the 24 hours ending at NOON on 21st Sept: 1893.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW ^W and N ^W winds, strong to a gale at first, but moderating later; changeable, showery.	6 SCOTLAND WEST	NW ^W winds, moderate or fresh; changeable, some showers.
1 SCOTLAND EAST	W ^W to NW ^W winds, fresh; changeable, some showers	7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	W ^W to NW ^W winds, moderate; changeable, some showers.
3 ENGLAND EAST	SW ^W to W ^W winds, moderate; changeable, some showers.	9 IRELAND NORTH	Same as N ^W 6 & 7.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH			
		WARNINGS	North Cone is still flying in district 0.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.11	60	55	W	7	c	5	Valencia ...	29.50	57	54	W	6	c q p	6
Sumburgh Head ...								Scilly ...	29.55	65	61	W	4	c p	3
Stornoway ...	28.90	54	48	W	6	bc	5	Jersey ...	29.67	64	62	W	5	c	4
Aberdeen ...	29.04	61	50	W	5	bc	4	Hurst Castle ...	29.55	66	62	W	7	bc	5
Shields ...	29.23	62	56	W	6	bc	2	Dungeness ...	29.55	66	64	W	5	c	4
Ardrossan ...	29.17	55	52	W	5	bc	3	North Foreland ...	29.52	66	61	W	5	c	3
Malin Head ...	29.17	54	49	W	6	bc	4	London ...	29.50	66	61	W	4	op	3
Mullaghmore ...								Yarmouth ...	29.43	69	61	W	5	bc	3
Belmullet ...	29.53	55	53	W	5	c p	3	Rocheport ...	29.74	70	65	W	3	c	3
Holyhead ...	29.36	61	58	W	3	c	3								

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

Weather in morning fine and bright over the more central and eastern parts of the United Kingdom, but cloudy and showery in most other districts. Fine in the north of Scandinavia and also in Italy and the central and southern parts of France; dull in the other Continental regions, with rain at some of the Swedish stations. Showers falling during day in nearly all parts of the United Kingdom, and heavy rain in Denmark, Holland, and the south of France, a thunderstorm occurring at Biarritz and lightning seen at Makh and Skudenes.

Temperature risen over England, and also in Scandinavia, Denmark and the south of Russia, fallen elsewhere. Morning readings highest 80° at Brindisi and Malta, 79° at La Caille, L'Isle and Annab, and 75° at Algiers, above 65° in many parts of Southern Europe, above 60° at most of the English stations, and above 55° in the east of Scotland and the south of Norway. Lowest 34° at Uleaborg, 35° at St. Petersburg, 37° at Kuopio, 40° at Riga, and 42° at St. Petersburg. Rising during day to between 65° and 69° over England, and to between 73° and 78° over the central and southern parts of France.

Winds moderate to strong from the Wnd or SWnd over our Islands and the north of France, light from S. or SW. over Germany, Denmark, and the Netherlands, and strong to a gale from the same quarters in the south of Scandinavia; End or SEnd over the northern parts of Scandinavia, with a gale at Århus. Chiefly Wnd in Italy, variable air over Spain and Algeria, and also in Austria and the south of Russia. Subsequently veering to the NWnd in the north of Scotland and increasing to a gale at night; no important change occurring elsewhere.

Barometer highest 29.8 ins. to 29.9 ins. and upwards over the greater part of Russia, central and southern Europe, and the Mediterranean, but below 29.8 ins. over the south of Russia. Lowest 28.8 ins. and less, in a well-marked depression lying to the northward of the Shetlands; gradient rather steep over our Islands, Scandinavia, and the North Sea. Depression remaining almost stationary during day; shallow secondary disturbances passing eastwards over various parts of the United Kingdom and France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on *Thursday, 21st September, 1893.*

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (0 to 9).	Weather.	Shade Temp.		Amount of Rainfall.		
				Reading at 32° F. and Sea Level.	Dry Bulb.		Dirac.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Dirac.	Force (0 to 12).		Max.	Min.
		Inch.	°				Inch.										°	Inch.		
SCANDINAVIA.	Haparanda ...	29.444	48	2	0	0	29.50	+0.06	48	48	-1	0	4	f	0	0	2	0.24		
	Hernösand ...	29.444	52	0	4	f	29.40	+0.04	52	50	-2	0	4	f	0	0	55	0.29		
	Stockholm ...	29.54	58	SE	4	0	29.45	-0.09	56	55	-2	SE	4	0	0	0	61	—		
	Wisby ...	29.61	55	SE	4	0	29.49	-0.12	58	55	0	0	4	bc	0	0	61	—		
	Bodö ...	29.51	48	ENE	1	0	29.47	+0.04	42	41	0	N	2	0	1	0	45	0.01		
	Christiansund...	29.55	50	ENE	1	0	29.56	+0.01	47	45	-1	NE	2	0	0	0	55	—		
	Skudesnaes ...	29.29	52	0	7	T	29.30	+0.01	52	50	0	SE	6	0	4	0	55	—		
	Christiania Fjord (Færd)	29.54	56	SE	4	0	29.58	+0.04	52	48	-4	W	4	0	4	0	55	—		
	Skagen (The Scaw)	29.58	55	NW	1	0	29.41	+0.17	53	50	-3	W	2	0	0	0	61	0.09		
	Fanö ...	29.41	55	NW	2	0	29.44	+0.03	53	51	-2	NW	1	0	0	0	61	0.09		
BRITISH ISLANDS.	Sumburgh Head	29.15	50	NNE	0	bc	29.26	+0.11	46	45	-1	N	4	0	5	0	54	0.12		
	Stornoway ...	29.58	45	N	0	bc	29.50	+0.08	48	45	-3	NE	6	0	5	0	49	0.62		
	Wick ...	29.26	47	NW	7	0	29.41	+0.15	48	47	-1	NW	7	0	3	0	50	0.50		
	Nairn ...	29.54	46	2	7	T	29.42	+0.12	46	44	-2	NW	3	0	3	0	51	1.01		
	Aberdeen ...	29.51	49	W	5	c	29.53	+0.02	44	43	-1	W	2	0	0	0	55	0.41		
	Leith ...	29.55	51	NW	1	0	29.41	+0.14	45	43	-2	W	2	0	0	0	55	—		
	Shields ...	29.56	55	W	2	0	29.44	+0.12	46	43	-3	W	1	0	0	0	60	0.02		
	Spurn Head ...	29.53	54	W	2	bc	29.48	+0.05	48	45	-3	W	3	0	0	0	55	—		
	York ...	29.50	54	NW	2	0	29.48	+0.02	48	41	-7	W	1	0	0	0	60	—		
	Loughborough	29.44	53	W	1	0	29.52	+0.08	40	39	-1	ENE	1	0	0	0	60	—		
GERMANY & HOLLAND.	Ardrossan ...	29.56	52	W	2	0	29.43	+0.13	48	44	-4	2	0	0	0	0	57	—		
	Malin Head ...	29.43	42	NW	2	0	29.45	+0.02	49	46	-3	NW	4	0	0	0	51	0.58		
	Mullaghmore ...	29.55	47	W	0	0	29.56	+0.01	51	46	-5	NW	4	0	0	0	55	0.00		
	Belmullet ...	29.43	47	W	4	0	29.56	+0.13	49	46	-3	W	4	0	0	0	58	0.05		
	Donaghadee ...	29.43	47	W	4	0	29.56	+0.13	49	46	-3	W	4	0	0	0	58	0.05		
	Liverpool (Bidston)	29.42	50	W	2	0	29.49	+0.07	47	44	-3	0	2	0	0	0	55	0.42		
	Holyhead ...	29.45	49	NW	2	0	29.49	+0.04	47	46	-1	NW	4	0	0	0	55	0.01		
	Parsonstown ...	29.53	48	NW	1	0	29.55	+0.02	50	46	-4	2	0	0	0	0	54	0.10		
	Valencia ...	29.50	51	NW	0	0	29.60	+0.10	49	46	-3	NE	2	0	0	0	55	0.03		
	Roche's Point	29.54	53	NW	4	0	29.58	+0.04	48	41	-7	N	3	0	0	0	56	—		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.48	52	NW	2	0	29.53	+0.05	48	45	-3	N	2	0	0	0	55	0.01		
	Scilly ...	29.55	55	NW	5	0	29.52	+0.03	47	46	-1	NW	4	0	0	0	55	0.04		
	Prawle Point ...	29.47	47	NW	0	0	29.48	+0.01	52	49	-3	ENE	4	0	0	0	58	0.15		
	Jersey (St. Aubin's)	29.49	61	SW	5	0	29.50	+0.01	52	50	-2	ENE	5	0	0	0	62	0.06		
	Hurst Castle ...	29.45	58	SW	4	0	29.55	+0.10	50	47	-3	ENE	4	0	0	0	60	0.12		
	Dungeness ...	29.44	59	W	4	0	29.54	+0.10	50	49	-1	NW	2	0	0	0	65	0.26		
	North Foreland	29.44	58	W	2	0	29.54	+0.10	51	49	-2	W	2	0	0	0	61	0.01		
	London ...	29.45	53	W	3	0	29.56	+0.11	46	45	-1	2	0	0	0	0	63	0.03		
	Oxford ...	29.44	52	W	2	0	29.55	+0.11	42	41	-1	2	0	0	0	0	62	0.03		
	Cambridge ...	29.43	54	W	1	0	29.55	+0.12	45	45	0	SE	1	0	0	0	66	0.02		
PENINSULA.	Yarmouth ...	29.43	53	W	1	0	29.54	+0.11	48	46	-2	W	2	0	0	0	61	—		
	Cuxhaven ...	29.48	54	SW	2	0	29.54	+0.06	54	53	-1	SW	3	0	0	0	65	0.06		
	Berlin ...	29.52	64	SW	0	0	29.60	+0.08	61	58	-3	W	3	0	0	0	72	—		
	Wiesbaden ...	29.72	55	SW	0	0	29.71	+0.01	57	51	-6	SW	2	0	0	0	63	0.01		
	Munich ...	29.72	55	SW	0	0	29.76	+0.04	57	54	-3	SW	4	0	0	0	66	0.04		
	The Helder ...	29.50	57	W	1	0	29.56	+0.06	52	50	-2	0	1	0	0	61	0.02			
	Brussels (9 a.m.)	29.46	55	W	5	0	29.63	+0.17	52	50	-2	ENE	4	0	0	0	68	0.12		
	Cape Gris Nez	29.57	60	NW	2	0	29.52	+0.05	53	52	-1	NW	1	0	0	0	61	0.43		
	Paris ...	29.57	60	NW	2	0	29.68	+0.11	50	49	-1	0	2	0	0	0	63	0.20		
	Brest ...	29.62	61	W	6	0	29.49	-0.07	58	53	-5	NW	6	0	4	0	66	0.04		

For Explanation of Columns, see bottom of last page

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

WEATHER CHARTS

for 8 a.m. on Thursday, 21st Sept., 1893.

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 bars and feathers refer to force thus—

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

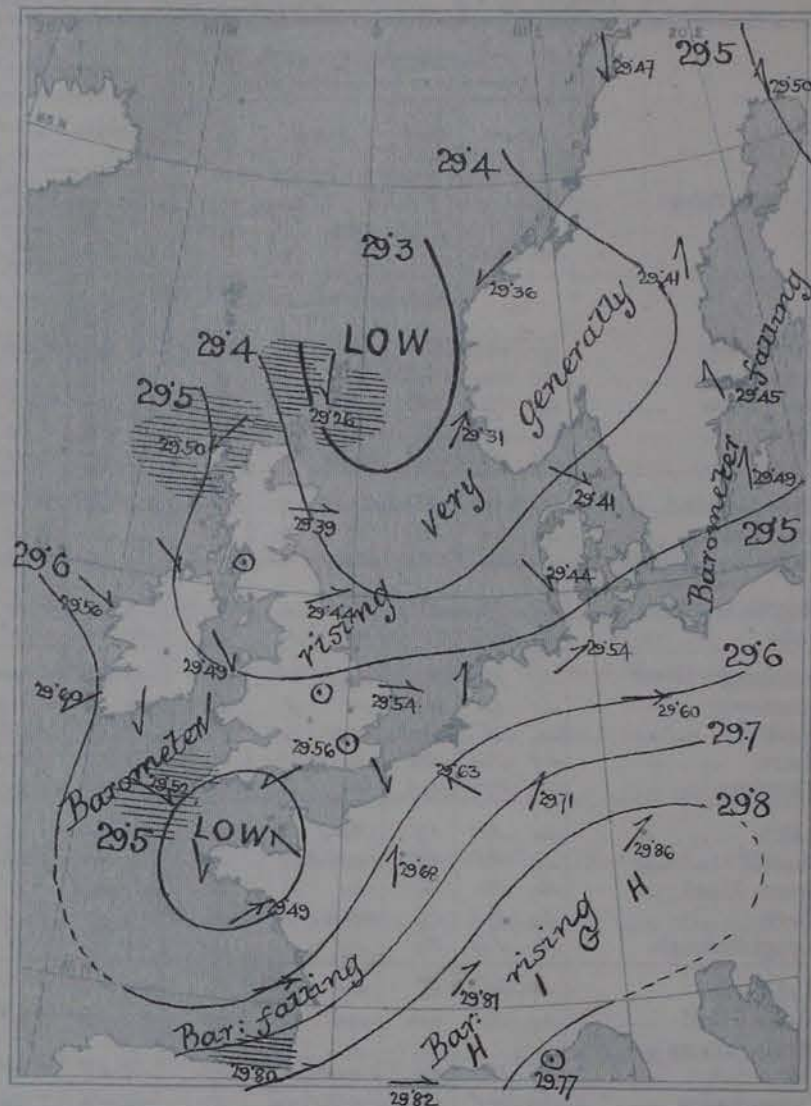
SEA DISTURBANCE—Where considerable, is shown thus:

— = Rough, — = High

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of September,
During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.950
Arbroath	29.885
Mullaghmore	29.806
Dunaghadde	29.905
Holyhead	29.929
Liverpool	29.933
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Sally	29.971
Pravle Point	29.998
Jersey	29.988
Harst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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 September.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry. at 8 a.m.	Wet.	
Sumburgh Head	55.0	40.1	50.8	40.1	3.32
Stornoway	56.3	45.8	51.1	40.1	4.10
Wick	57.7	45.5	51.9	40.0	2.33
Nairn	59.2	46.5	51.3	48.9	2.58
Aberdeen	59.2	46.7	52.1	48.7	2.07
Leith	61.2	47.5	55.2	50.4	2.34
Shields	59.2	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	55.3	53.8	2.42
York	62.9	41.7	52.0	51.1	2.70
Loughborough	63.0	47.8	54.0	52.2	2.78
Arbroath	59.6	49.4	53.5	51.4	3.07
Mullaghmore	60.2	50.0	54.0	51.6	4.05
Dunaghadde	70.6	49.2	58.5	52.3	3.04
Holyhead	60.7	52.6	55.2	53.3	3.23
Liverpool	61.2	50.8	54.5	51.9	7.30
Parsonstown	61.5	47.4	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.6	55.5	53.4	4.08
Pembroke	60.1	53.0	56.1	53.0	3.38
Sally	61.8	54.7	58.4	56.3	2.41
Pravle Point	62.4	52.2	57.0	55.2	2.43
Jersey	63.3	51.8	59.9	57.0	3.05
Harst Castle	64.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.04
LONDON	65.4	49.6	55.8	53.5	2.85
Oxford	64.6	48.9	54.0	52.1	2.06
Cambridge	65.4	48.1	54.6	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.01

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1864-89.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in: and upwards, over the southern parts of the Spanish Peninsula.
 Lowest, 29.3 in: and less, in a depression lying between the Shetlands and the Norwegian coasts; 29.5 in: and less, in another disturbance over the western part of the English Channel.

Gradients slight and rather irregular. Barometer rising generally, but falling in Sweden and also in the west of France.

TEMPERATURE

Highest, (1) 66° at Nice and Lisbon, 65° at Biarritz, 63° at Perpignan, 61° at Berlin and Rostock, and 58° at Lorient; (2) 58° at Malmö and 56° at Stockholm.
 Lowest, (1) 37° at Parsonstown, 40° at Loughborough, 42° at Oxford, and 48° at York and Rostock; (2) 42° at Rode and 47° at Christiansund.
 Frost occurred last night over the central parts of England and Ireland; at Loughborough and Oxford the thermometer on the grass fell to 28°.

WIND

Strong from the N^W in the north of Scotland, moderate from the same quarter or from N.W. on our western coasts.
 Light from the W^W on the east coast of Great Britain; variable over the central and southeastern parts of England.

Moderate E² over the western parts of the Channel; SW¹ over France and Germany; S¹ in Sweden; variable in Norway.

WEATHER

Fine over Ireland, Wales, the west of Scotland and the north and east of England, as well as in Germany and the Netherlands.
 Cloudy or overcast in nearly all other parts of Western Europe, with fog in Sweden, rain in the Shetlands and the east of Scotland, as well as at many of the French stations, and a thunderstorm, with hail, at Dublin.
 Heavy rain fell yesterday in many parts of our area, the largest amount being 1.1 inches at Kilm, 0.9 inch at Dublin, and 0.6 in: at Stornoway, Malin 1¹/₂ and Biarritz. Thunder and lightning occurred in the south of England.

SEA

Rather rough off the north of Scotland, at the mouth of the Channel and at Biarritz, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression over the Channel seems likely to move eastwards and rain is therefore probable in the south-east of England. The disturbance in the north continues to fill up gradually.

FORECASTS

For the 24 hours ending at NOON on 22nd SEPT: 1893.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	N ^W and NW ^W winds, strong to moderate; unsettled, some showers.
1	SCOTLAND EAST	W ^W and NW ^W winds, moderate; cloudy, showery.
2	ENGLAND N.E.	Light breezes, chiefly W ^W ; fine to cloudy and showery.
3	ENGLAND EAST	Light Variable breezes; dull, misty, some rain.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	NW ^W winds, light or moderate; fair generally, but local showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	N ^W and NE ^W winds, moderate or fresh; cloudy, some rain.
9	IRELAND NORTH	NW ^W and N ^W winds, moderate; fair generally, but local showers.
10	IRELAND SOUTH	

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

		THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29. 24	55	50	S	0	c	5	Valencia ...	29. 60	54	50	NW	5	bcg	5
Sumburgh Head ...	29. 06	52	48	NNE	5	c	4	Scilly ...	29. 59	55	54	WNW	5	bcg	4
Stornoway ...	29. 25	48	46	N	7	o	6	Jersey ...	29. 52	62	56	WNW	5	bcg	4
Aberdeen ...	29. 25	52	47	N	5	cq	4	Hurst Castle ...	29. 47	62	58	WNW	4	bc	3
Shields ...	29. 33	53	50	WNW	4	b	2	Dungeness ...	29. 44	64	55	N	3	c	3
Ardrossan ...	29. 35	53	51	N	5	c	2	North Foreland ...	29. 44	60	54	WNW	2	c	2
Malin Head ...	29. 29	48	44	WNW	4	b	3	London ...	29. 44	63	53	WNW	3	bc	*
Mullaghmore ...								Yarmouth ...	29. 42	60	51	N	3	b	2
Belmullet ...	29. 54	48	45	WNW	5	oph	*	Rochefort ...	29. 63	70	64	WNW	4	bc	*
Holyhead ...	29. 43	55	50	NW	2	c	2								

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

Weather fine in the eastern parts of our Islands, but showery in the west, and auring in the extreme north of Scotland. Fine at many of the Russian, German, Austrian, and Italian stations, but dull in Scandinavia, Denmark, the Netherlands, France, and Spain, with rain in many places. Rain falling during day in nearly all parts of Western Europe, — heavily in places, and thunderstorms or lightning only reported over the south of England.

Temperatures fallen in our Islands and also in Italy and the south of Russia, risen rapidly in Finland; changed irregularly elsewhere. Morning readings highest 81° at Malta and Spas, 77° at Brindisi, and 76° at Cagliari and Algiers, above 65° over southern Europe generally. Lowest (1) 34° at Moscow and 41° at Archangel; (2) 42° at Bodö; (3) 45° at Stornoway, 46° at Parsonsdown, and 47° at Naun, Lill, and Loughborough, below 50° in many parts of the United Kingdom. Remaining below 60° all day at most of our western and northern stations, but reaching 65° or 66° in some parts of the eastern and southeastern districts; exceeding 70° in the south of France. Frost occurring at night over the central parts of Ireland and England.

Wind strong to a gale from the N^W or NW^W in the north of Scotland, and moderate from the same quarters in Ireland and the west of Scotland. Light to moderate from the W^W or SW^W over England, the east of Scotland, Spain, and the west of France; S^W over Scandinavia, northern Russia, Denmark, Germany, the Netherlands, and Central France, with a gale at Archangel, Ulesby, and Skudersnaes. Light from the N^W in the south of Russia, variable in Austria, Italy, Algeria and the south of France. Severe squall from the N^W passing over Scilly in afternoon; strong gale experienced in the north of Scotland throughout greater part of day.

Barometer highest 30.1 ins. and upwards over Central Russia, 30.0 ins. and upwards over Morocco and the southern parts of the Spanish Peninsula. Lowest 28.9 ins. and less, in a depression lying between the Shetlands and the Norwegian coast. Depression filling up gradually during day, but well marked secondary disturbance forming suddenly over the southwest of England and afterwards dispersing.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are made at 3 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on FRIDAY, 22ND SEPTEMBER, 1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 3).	Weather.	SHADE TEMP.		Amount of Rainfall.		
				Force (0 to 12).			Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).				Max.	Min.			
		Ins.	°	Dirac.	Force (0 to 12).		Ins.	°	°	°							°	Ins.			
SCANDINAVIA.	Haparanda ...	29.37	51	S	6	0	29.38	-17	44	44	-2	WNW	6	bc	+	0	55	46	0.20		
	Hernösand ...	29.37	52	S	4	0	29.60	+20	46	44	-6	SW	2	bc	+	0	54	47	0.24		
	Stockholm ...	29.61	48	W	2	6	29.65	+20	50	50	-6	SE	2	0	+	0	59	48	0.15		
	Wisby ...	29.67	50	NNW	4	6	29.66	+17	53	51	-5	S	4	+	+	0	62	46	—		
	Bodö ...	29.39	45	N	6	0	29.36	-11	41	41	-1	NNW	6	bc	+	0	45	39	0.08		
	Christiansund...	29.30	47	NNE	4	f	29.48	+12	43	41	-4	ENE	4	+	+	4	48	43	0.12		
	Skudesnaes ...	29.46	53	SE	4	c	29.31	+01	48	45	-6	N	2	c	+	+	54	45	—		
	Christiania Fjord (Farder)	29.49	53	W	5	6	29.31	-07	51	50	-1	ESE	6	+	+	3	57	53	—		
	Skagen (The Seaw)	29.54	53	W	1	bc	29.23	-18	54	51	+1	SWW	5	bc	+	+	53	50	0.24		
	Fanö ...	29.45	54	SE	4	c	29.17	-27	52	48	-1	W	8	0	+	+	62	52	0.49		
BRITISH ISLANDS.	Sumburgh Head	29.31	48	NNE	6	+	29.47	+21	45	42	-1	N	4	bc	+	+	52	41	0.92		
	Stornoway ...	29.58	46	N	7	+	29.61	+18	44	43	-4	N	6	0	+	+	53	39	0.45		
	Wick ...	29.55	46	NW	9	+	29.57	+13	46	45	-2	NW	8	cu	+	+	50	46	1.05		
	Nairn ...	29.44	48	NNW	4	0	29.60	+18	46	45	0	N	4	c	+	+	50	44	0.14		
	Aberdeen ...	29.37	47	NNW	4	0.98	29.49	+10	47	44	+3	NNW	6	0.98	0.98	+	+	50	43	0.95	
	Leith ...	29.48	44	SW	1	bc	29.53	+12	48	43	+3	NW	5	0	+	+	53	42	0.10		
	Shields ...	29.44	51	NNW	3	bc	29.48	+01	47	44	+1	W	5	dp	+	+	57	39	—		
	Spurn Head ...	29.44	54	SW	1	c	29.47	-01	48	45	0	NNW	5	bc	+	+	55	44	—		
	York ...	29.48	52	W	1	bc	29.50	+02	47	44	+4	W	2	bc	+	+	58	36	—		
	Loughborough	29.48	50	NNW	1	bc	29.58	+04	46	43	+6	WNW	2	bcw	+	+	61	39	—		
GERMANY & HOLLAND.	Ardrossan ...	29.50	48	NW	1	bc	29.60	+17	49	46	+1	N	3	c	+	+	53	44	0.02		
	Malin Head ...	29.53	50	NNE	5	0.9	29.70	+25	49	44	0	N	6	c	+	+	52	47	0.15		
	Mullaghmore ...	29.60	48	N	5	0.9	29.84	+28	50	47	-1	NNE	5	CT	+	+	52	46	0.70		
	Belmullet ...	29.53	51	NNE	5	bc	29.65	+29	52	47	+3	N	6	bc	+	+	59	47	0.01		
	Donaghadee ...	29.53	51	NNE	5	bc	29.65	+29	52	47	+3	N	6	bc	+	+	59	47	0.01		
	Liverpool (Bidston)	29.49	51	WNW	2	bc	29.59	+10	53	48	+6	NW	4	bc	+	+	53	46	0.04		
	Holyhead ...	29.51	51	NW	2	bc	29.62	+13	53	50	+4	NNW	5	cq	+	+	56	48	0.07		
	Parsonstown ...	29.55	50	2	0	bc	29.78	+21	40	39	+3	W	1	bc	+	+	57	31	—		
	Valencia ...	29.64	50	NW	4	bc	29.85	+25	50	47	+1	NE	2	bc	+	+	53	38	0.06		
	Roche's Point	29.53	53	NNW	3	bc	29.78	+20	45	43	+2	N	4	bc	+	+	57	41	—		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.54	51	N	2	bc	29.68	+15	54	48	+6	NW	3	bc	+	+	54	46	—		
	Scilly ...	29.51	50	NNE	2	c	29.71	+19	51	47	+4	WNW	3	bc	+	+	53	46	0.49		
	Prawle Point ...	29.53	48	NNW	2	c	29.71	+23	51	47	-1	NW	3	bc	+	+	52	41	—		
	Jersey (St. Aubin's)	29.54	52	NNW	4	0.9	29.71	+21	51	48	-3	NW	3	CT	+	+	58	46	0.67		
	Hurst Castle ...	29.52	53	NNE	2	0.9	29.68	+13	51	48	+1	NNW	3	bcw	+	+	56	41	—		
	Dungeness ...	29.41	52	ENE	4	+	29.62	+08	45	44	-3	NW	1	c	+	+	54	41	0.38		
	North Foreland	29.42	50	NE	3	+	29.60	+06	50	47	-1	W	2	bc	+	+	53	43	0.24		
	London ...	29.48	52	NE	2	0.9	29.64	+08	47	44	+1	W	2	bc	+	+	53	40	—		
	Oxford ...	29.50	40	NE	1	0	29.65	+10	46	43	+4	SW	3	bc	+	+	60	40	—		
	Cambridge ...	29.46	48	NNW	1	bc	29.60	+08	46	44	+1	SW	3	0	+	+	53	38	—		
PENINSULA.	Yarmouth ...	29.44	54	NNE	3	bc	29.53	-01	46	44	-2	W	4	bc	+	+	57	42	—		
	Onxhaven ...	29.59	54	S	3	0	29.44	-10	52	50	-2	SW	5	bc	+	+	60	50	0.04		
	Berlin ...	29.66	60	SE	2	bc	29.65	+05	58	55	-3	SW	3	bc	+	+	68	52	0.04		
	Wiesbaden ...	29.70	58	SE	1	c	29.70	-01	54	51	-3	SW	4	c	+	+	66	52	0.28		
	Munich ...	29.70	58	SE	1	c	29.72	-04	54	53	-3	SE	5	c	+	+	66	52	0.38		
	The Helder ...	29.39	51	NNE	4	+	29.57	-05	54	48	+2	W	4	c	+	+	57	50	0.98		
	Brussels (9 a.m.)	*	*	*	*	*	29.66	+03	49	46	-3	SW	3	0	+	+	59	45	0.16		
	Cape Gris Nez	29.41	52	SE	3	+	29.55	+03	52	50	-1	NNW	3	0	+	+	57	46	1.14		
	Paris ...	29.56	60	SW	5	c	29.71	+03	48	47	-2	SW	2	bc	+	+	64	46	0.47		
	Brest ...	29.56	53	N	3	+	29.71	2	50	49	-3	N	3	bc	+	+	64	46	0.08		
PENINSULA.	Lorient ...	29.53	57	W	6	c	29.76	+27	52	48	-6	NNW	5	bc	+	+	63	50	0.20		
	Rocheport ...	29.69	59	W	5	+	29.75	+13	56	53	-3	NW	5	c	+	+	70	55	0.39		
	Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
	Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
	Nice ...	29.84	65	SW	4	c	29.87	+10	62	58	-4	2	0	bc	+	+	75	57	—		
PENINSULA.	Perpignan ...	29.84	66	E	2	c	29.83	+11	58	57	-5	SW	2	bc	+	+	77	55	—		
	Biarritz ...	29.84	64	NNW	3	+	29.92	+12	61	57	-4	S	6	+	+	+	68	57	0.28		
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
PENINSULA.	Lisbon ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Friday, 22nd Sept, 1893.

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:

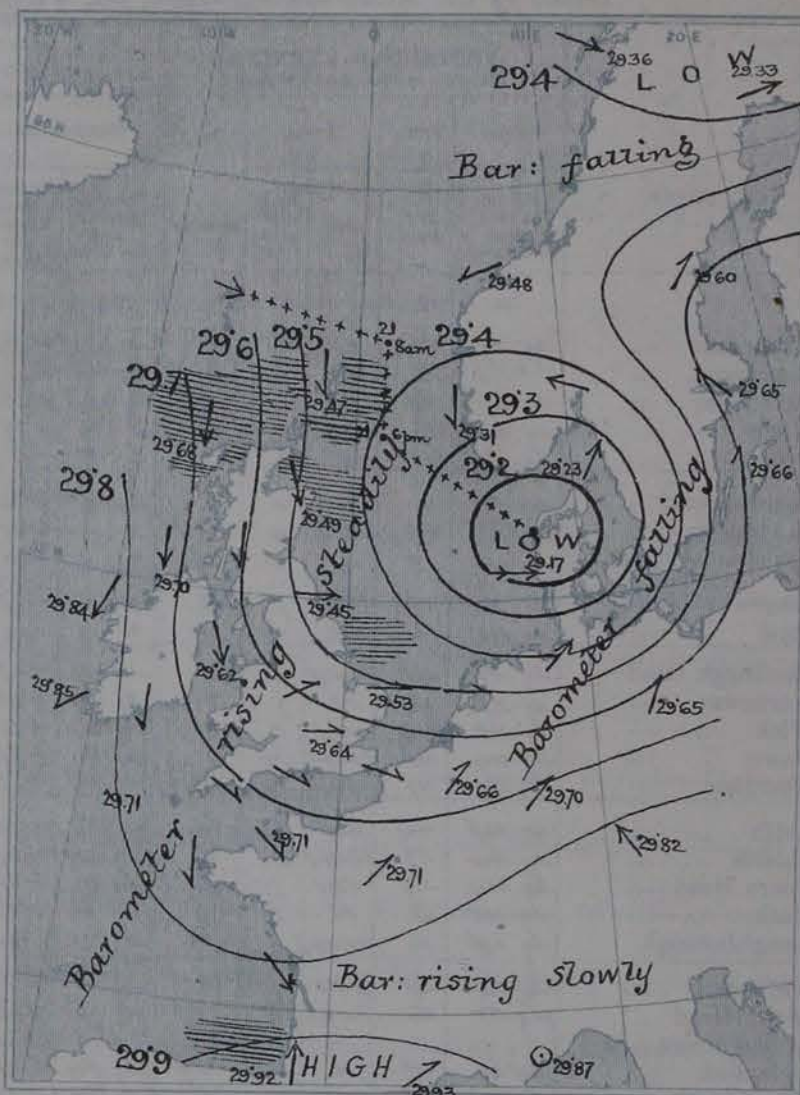
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871-1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.707
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrossan	29.985
Mullachmore	29.990
Donaghadee	29.995
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Sally	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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.

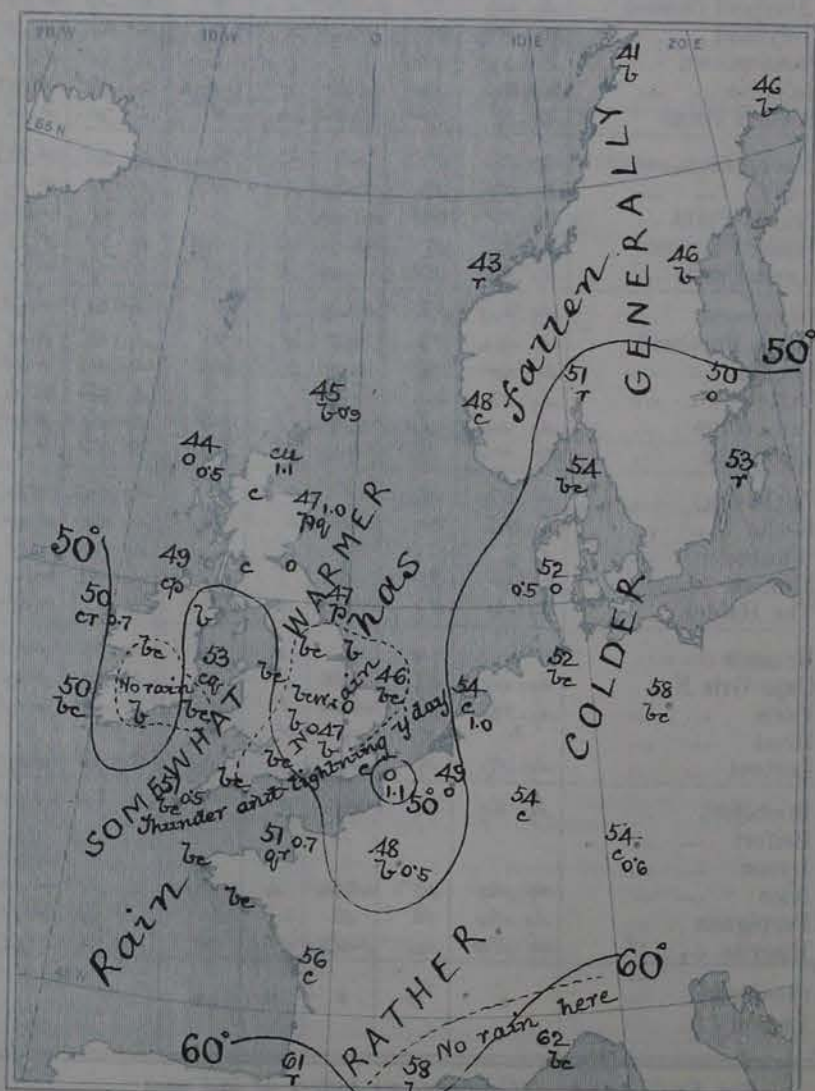
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of September.)

STATIONS	TEMPERATURE.				RAINFALL (Inches.)
	Daily Mean	Daily Min.	Daily Max.	at 8 a.m.	
Sumburgh Head	55.0	46.1	50.8	49.1	3.32
Stornoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.5	51.0	50.0	2.53
Nairn	59.2	46.5	51.3	48.0	2.58
Aberdeen	59.2	46.5	52.1	49.7	2.97
Leith	61.9	47.5	53.2	50.3	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	55.5	53.8	2.92
York	62.0	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.6	52.2	2.70
Ardrossan	59.0	49.4	53.5	51.4	3.07
Mullachmore	60.2	50.0	54.0	51.6	4.05
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.0	54.7	51.9	3.20
Liverpool	61.2	50.8	54.5	51.9	3.16
Parsonstown	61.5	47.4	53.0	51.1	4.53
Valencia	61.8	51.5	56.5	54.2	4.08
Roche's Point	61.7	51.0	55.5	53.4	3.58
Pembroke	60.1	53.0	56.1	53.9	3.41
Sally	61.8	54.7	58.4	56.3	2.40
Prawle Point	62.4	52.2	57.0	55.2	3.05
Jersey	65.4	54.8	59.9	57.0	2.64
Hurst Castle	64.3	52.1	57.1	55.7	2.35
Dover	63.4	52.9	57.7	55.2	2.06
LONDON	66.4	49.0	55.8	53.5	2.26
Oxford	64.0	48.9	54.0	52.1	2.91
Cambridge	65.6	48.1	54.6	53.0	
Yarmouth	62.1	51.4	56.3	54.4	

NOTE.—The Temperature means are for the 20 years 1871-90. The Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.9 ins. and upwards, in the south of France.

Lowest, 29.2 ins. and less, in a depression lying over Denmark.

Gradients steep over Denmark, North Germany, and the south of Sweden, but moderate or slight elsewhere.

Barometer rising in our Islands and France, but falling in Norway, Denmark, North Germany, and the north of Sweden.

TEMPERATURE

Highest, 62° at Nice, 61° at Biarritz, 58° at Berlin and Perpignan, 56° at Rochefort, and 54° at Skagen, the Helder, Wiesbaden, and Munich.

Lowest, 40° at Parosutown, 41° at Bodø, 43° at Christiania, 44° at Tromsø, and 45° at Lumburgh Head and Dungeness.

The maxima registered over our Islands yesterday were below 55° in many places, and below 60° at all stations excepting Loughborough and Oxford.

WIND

N² or NW² on our western and northern ~~and northern~~ coasts, and strong to a gale in force in the north of Scotland.

Light to moderate from the W² or SW² over the eastern and central parts of England, the Netherlands and Germany; strong to a gale from W. at Faro.

SE² or E² over the southern parts of Scandinavia, but W² at Bodø and Haparanda. S² in the south of France.

WEATHER

Fine and bright over the southern parts of the United Kingdom, as well as at many of the French and German stations, and in the north of Scandinavia.

Showery on many parts of our northern coasts, and rainy over the southern parts of Scandinavia, as well as at Biarritz.

Heavy rain has again fallen at several of our southern and extreme northern stations, as well as in France, the largest amounts being 1.1 ins. at Wick and Cape Fie Ky, and 1.0 inch at Aberdeen and the Helder. A thunderstorm occurred yesterday at Jersey and the Helder, and lightning was seen on many parts of our southern coasts.

SEA

Rough or rather so on our north and northeast coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression recently noticed in the north has travelled southeastwards to Denmark and has grown somewhat deeper. Its influence is scarcely likely to be felt any longer on our coasts, but there is still a tendency for the formation of shallow secondary disturbances over our Islands, and showers are, therefore, likely to occur in many districts.

FORECASTS

For the 24 hours ending at NOON on 23rd SEPT: 1893.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ² to N ² winds, moderating gradually; changeable, some showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W ² to NW ² winds, moderate; fair generally, but local showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	N ² winds, fresh; gassy, some showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NW ² and N ² winds, moderate; fair generally, but local showers.
9	IRELAND NORTH	Same as No 6 and 7
10	IRELAND SOUTH	Same as No 8

WARNINGS

NONE ISSUED

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.40	54	50	0	6	c	4	Valencia ...	29.65	49	48	NNW	2	f	3
Sumburgh Head ...	29.25	48	48	NNE	5	b	5	Scilly ...	29.51	52	49	N	3	c	4
Stornoway ...	29.55	50	46	NE	7	bc	6	Jersey ...	29.58	56	52	W	4	c	4
Aberdeen ...	29.40	48	46	NNW	8	agg	4	Hurst Castle ...	29.44	55	50	NE	4	c	3
Shields ...	29.42	53	49	WNW	2	c	2	Dungeness ...	29.46	52	50	SE	3	7	2
Ardrossan ...	29.48	49	48	NW	2	bc	1	North Foreland ...	29.44	53	46	E	4	7	3
Malin Head ...	29.51	49	47	NNE	3	bc	3	London (Westminster) ...	29.46	54	48	NE	1	og	*
Mullaghmore ...								Yarmouth ...	29.49	56	50	SE	2	bc	2
Belmullet ...	29.58	48	46	N	6	og	*	Rocheport ...	29.65	64	60	W	6	bc	*
Holyhead ...	29.51	55	51	NNW	3	b	2								

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

Weather fine over Ireland, Wales, the west of Scotland, and the north and east of England; rainy in the northeast of Scotland, showery at several of our southern stations, with a thunderstorm at Scilly. Fine over the Netherlands, western Russia, and southern Europe generally, but cloudy in other parts of the Continent, with fog in Sweden, and rain at several of the French stations. Heavy rain falling during day in many parts of our Islands and France, but weather remaining dry in the eastern, central, and southern part of England. Thunderstorms or lightning singly reported at several of our southern stations, and solar and lunar halos were seen in some parts of England.

Temperature fallen in the northwestern and northern countries, but risen elsewhere. Morning readings highest 83° at Sfax, 79° at Brindisi and Tunis, and 78° at Malta; above 70° at several of the Mediterranean stations, and above 65° over Southern Europe generally. Lowest, (1) 37° at Parnaston, 40° at Loughborough, and 42° at Oxford; (2) 42° at St. Petersburg, and 45° at Helsingfors and Moscow. Daily maxima below 55° in many parts of the United Kingdom, and below 60° at all stations excepting Loughborough and Oxford. Exceeding 70° in the south of France, and reaching 77° at Perpignan.

Wind strong from the Nth in the north of Scotland, moderate from the same quarter or from NW. on our western coast; W^{ly} or SW^{ly} in the eastern part of Great Britain and also over Denmark and Germany; S^{ly} over Sweden and the western and northern parts of Russia. E^{ly} at several of the English Channel stations. SW^{ly} or W^{ly} in France and Spain; variable in Italy and Algeria. Subsequently increasing to a strong gale from the NWth in the north and northeast of Scotland; shifting to the NWth over the Channel and north of France.

Barometer highest 30.0 ins. and upwards over Morocco and the south of Spain and also over Central Russia. Lowest 29.3 ins. and less in a depression lying between the Shetlands and the Norwegian coast, 29.5 ins. in a well marked secondary disturbance over the western part of the English Channel. Former depression subsequently travelling slowly southwards; latter system moving in an east-northeast direction to the Straits of Dover.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on *Saturday, 23rd September, 1893*

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.	TEMP.	WIND.			BAROMETER.	SHADE TEMP.			WIND.						SHADE TEMP.			
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change ft. dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Sea (0 to 9).		Weather.	Max.	Min.	Amount of Rainfall.
	Inch.	°				Inch.	°	°	°								°	ins.	
SCANDINAVIA.	Haparenda ...	29.67	43	2	0	bc	29.41	+08	46	46	0	SE	4	7	#	bc	52	43	0.12
	Hernösand ...	29.36	50	SE	10	0	29.30	-30	47	46	+1	S	4	7	#	0	52	41	0.20
	Stockholm ...	29.44	52	S	2	0	29.42	-23	50	48	0	S	2	0	#	0	55	43	0.08
	Wisby ...	29.52	54	SSW	4	0	29.54	-12	52	49	-1	SSW	6	bc	#	0	61	45	0.04
	Bodo ...	29.58	37	E	1	b	29.25	-11	41	39	0	NE	1	0	1	b	41	36	0.04
	Christiansund...	29.16	47	ESE	4	c	29.17	-31	47	45	+4	NE	1	7	3	c	45	43	0.20
	Skudesnaes ...	29.21	48	W	2	0	29.33	+02	49	43	+1	SSW	4	c	3	c, o	52	43	-
	Christiania Fjord (Færd)	29.16	53	W	8	bc	29.31	00	48	46	-3	W	8	bc	3	bc	54	50	-
	Skagen (The Scaw)	29.29	49	W	5	bc	29.41	+08	49	46	-5	W	3	c	1	bc	55	45	0.24
	Fanø ...	29.37	54	W	6	c	29.50	+33	46	45	-6	W	4	chp	#	c	57	46	0.32
ISLANDS.	Sumburgh Head	29.29	38	N	1	b	29.32	-15	44	41	-1	N	4	0	6	o, sp, b	46	35	0.25
	Stornoway ...	29.50	40	N	8	r	29.55	-13	42	41	-2	NE	5	7	6	r	46	34	0.68
	Wick ...	29.39	41	W	7	0	29.40	-14	42	42	-4	W	6	ou	4	o, sp	46	30	0.40
	Nairn ...	29.47	40	W	2	r	29.44	-16	41	39	-5	W	2	c	2	r	48	33	0.41
	Aberdeen ...	29.44	41	W	3	bc	29.36	-13	38	37	-9	W	4	cq	4	g, r, sp	49	35	0.07
	Leith ...	29.53	47	W	4	0	29.39	-14	40	36	-8	W	3	c	#	0	54	35	0.05
	Shields ...	29.56	49	W	3	0	29.40	-05	42	39	-5	W	3	c	3	op	52	34	0.06
	Spurn Head ...	29.59	50	W	5	op	29.47	00	43	41	-5	W	4	c	4	op	52	34	0.05
	York ...	29.65	48	W	2	c	29.46	-04	41	40	-6	W	3	b	#	c	52	38	0.07
	Loughborough	29.68	50	W	3	bc	29.56	-02	42	41	-4	W	3	0	#	bc, r	60	41	0.05
BRITISH.	Ardrossan ...	29.60	48	W	5	0	29.46	-14	44	40	-5	N	4	b	2	c, o, sp	55	37	0.17
	Malin Head ...	29.67	49	W	6	0	29.55	-15	43	41	-6	N	7	ohy	4	o, sp	50	41	0.14
	Mullaghmore ...	29.87	50	W	5	0	29.77	-07	45	43	-5	W	5	0	#	c, o, sp	52	43	0.45
	Donaghadee ...	29.70	48	W	5	0	29.52	-13	41	40	-11	W	5	bc	3	o	52	40	0.11
	Liverpool (Bldston)	29.67	54	W	5	0	29.50	-09	47	43	-6	W	5	bc	5	0	55	41	0.53
	Holyhead ...	29.72	49	W	5	cp	29.57	-05	47	43	-6	W	6	cq	5	bc, cp	56	45	0.08
	Parsonstown ...	29.84	47	W	1	c	29.73	-05	42	40	+2	W	2	c	#	c, o, r	57	31	0.35
	Valencia ...	29.95	52	W	3	bc	29.84	-01	50	48	0	N	5	op	4	c, bc	56	47	0.08
	Roche's Point	29.87	53	N	3	bc	29.76	-02	48	46	+3	W	4	b	3	bc, p	58	44	0.02
	Pembroke (St. Ann's Hd.)	29.78	52	W	3	c	29.64	-04	46	44	-8	W	4	cp	3	c	56	44	0.20
GERMANY & HOLLAND.	Scilly ...	29.84	54	W	3	bc	29.75	+04	54	50	+3	W	6	cq	4	b, bc	57	51	0.09
	Prawle Point ...	29.81	50	W	3	bc	29.71	00	47	46	-4	W	4	oq	3	bc, p	58	45	0.11
	Jersey (St. Aubin's)	29.83	56	W	3	bc	29.77	+06	55	51	+4	W	5	cq	4	bc, p, l	58	45	0.06
	Hurst Castle ...	29.76	55	W	5	bc	29.67	-01	52	47	+1	W	6	c	3	bc, p, l	60	45	0.03
	Dungeness ...	29.71	56	W	4	c	29.64	+02	52	48	+7	W	5	0	4	bc, e, l	61	43	0.01
	North Foreland	29.69	53	W	2	b	29.62	+02	48	45	-2	W	3	oq	3	b, l	59	42	-
	London ...	29.72	52	W	2	b	29.63	-01	49	45	+2	W	3	0	#	bc, b, l	61	40	-
	Oxford ...	29.73	46	W	2	b	29.60	-05	47	43	+1	W	3	cq	#	b	62	42	-
	Cambridge ...	29.68	51	W	3	bc	29.56	-04	47	44	+1	W	6	c	#	bc	60	37	0.04
	Yarmouth ...	29.60	54	W	4	bc	29.54	+01	47	44	+1	W	4	bc	3	bc, p	59	40	0.07
FRANCE AND BELGIUM.	Cuxhaven ...	29.57	48	SSW	5	r	29.63	+19	47	46	-5	SSW	3	c	#	r	56	46	0.04
	Berlin ...	29.74	53	SW	3	b	29.82	+17	49	47	-9	SSW	3	0	#	b	63	45	-
	Wiesbaden ...	29.85	54	SW	3	0	29.85	+15	47	45	-7	W	2	0	#	#	59	46	-
	Munich ...	29.97	50	SW	4	0	29.93	+11	49	49	-5	W	1	0	#	0	59	48	0.20
	The Helder ...	29.62	56	SW	6	t	29.60	+09	53	47	-1	SW	6	b	#	t	?	42	0.04
	Brussels (9 a.m.)	*	*	*	*	*	29.73	+07	49	46	0	SW	2	b	#	b	56	45	-
	Cape Gris Nez	29.71	56	W	6	c	29.65	+08	54	51	+2	W	4	c	#	c	57	41	0.04
	Paris ...	29.86	52	W	2	bc	29.82	+11	45	44	-3	W	2	c	#	bc	60	44	-
	Brest ...	?	57	W	2	bc	?	?	55	50	+5	W	3	c	3	bc	59	48	-
	Lorient ...	29.86	58	W	4	e	29.86	+10	52	48	0	W	3	b	2	c	64	50	-
PENINSULA.	Rocheport ...	29.84	59	W	3	0	29.80	+05	55	52	-1	W	1	0	#	c, o	66	50	0.08
	Belfort ...	29.95	59	W	1	0	29.88	-01	53	52	-4	W	1	0	#	0	65	52	-
	Lyons ...	29.87	65	W	4	0	29.92	+05	62	55	0	W	1	b	2	0	75	57	-
	Nice ...	29.95	63	W	2	0	29.80	-13	59	58	+1	W	2	0	#	0	73	54	-
	Biarritz ...	29.91	61	W	3	0	29.78	-14	57	55	-4	W	4	r	3	0	66	55	0.04

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 23rd Sept. 1893.

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.

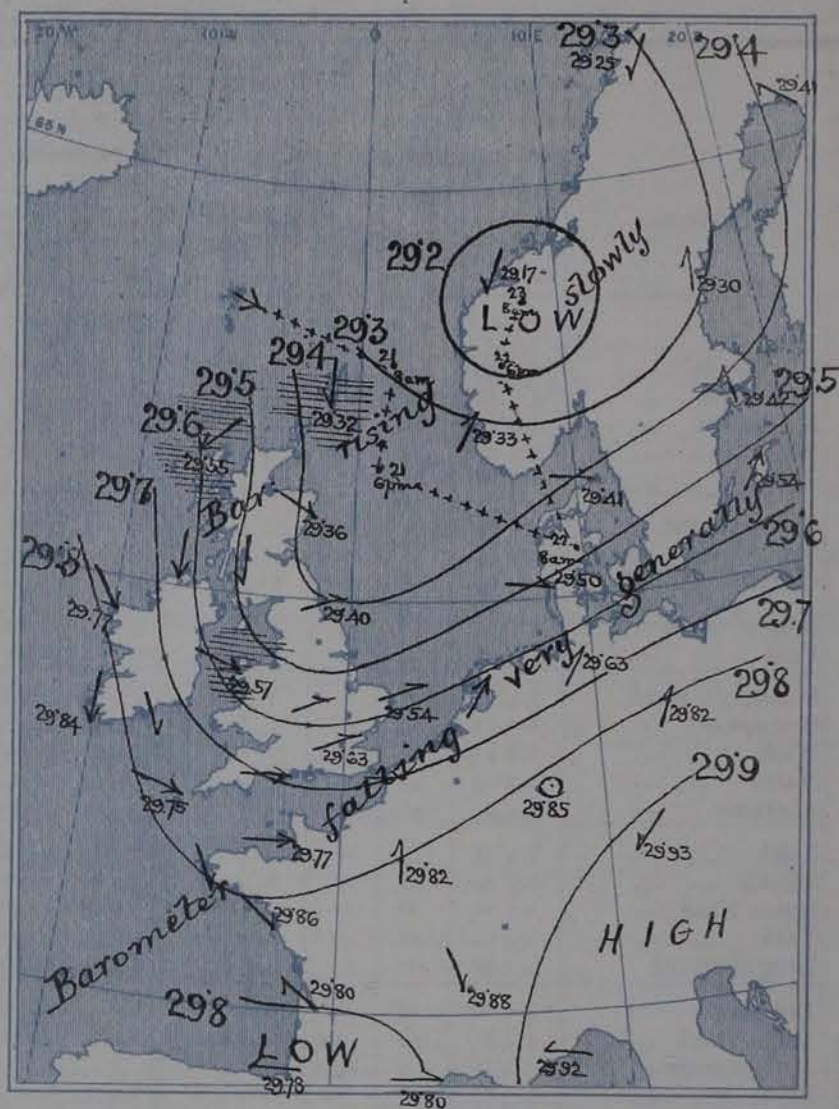
SEA DISTURBANCE—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of September.
During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrossan	29.885
Mullaghmore	29.890
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.940
Pembroke	29.948
Scilly	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.901
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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 September.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	55.0	46.1	50.8	49.1	3.32
Stornoway.....	56.3	45.8	51.4	50.1	4.10
Wick.....	57.7	45.5	51.0	50.0	2.53
Nairn.....	59.2	46.5	51.3	48.9	2.58
Aberdeen.....	59.2	46.7	52.1	49.7	2.07
Leith.....	61.9	47.5	53.2	50.8	2.34
Shields.....	59.8	48.8	53.1	51.0	2.50
Spurn Head.....	60.4	52.7	55.5	53.8	2.92
York.....	62.9	47.7	52.9	51.1	2.70
Loughborough.....	65.0	47.8	54.0	52.2	2.76
Ardrossan.....	59.6	49.4	53.5	51.4	3.67
Mullaghmore.....	60.2	50.9	54.0	51.6	4.05
Donaghadee.....	59.6	49.2	53.5	52.3	3.04
Holyhead.....	60.7	52.6	55.7	53.5	3.23
Liverpool.....	61.2	50.8	54.5	51.9	3.30
Parsonstown.....	61.5	47.4	53.0	51.1	3.16
Valencia.....	61.8	51.5	56.5	54.2	4.53
Roche's Point.....	61.7	51.0	55.5	53.4	4.08
Pembroke.....	60.1	53.0	58.1	53.9	3.58
Scilly.....	61.8	54.7	58.4	56.3	3.41
Prawle Point.....	62.4	52.2	57.0	55.2	2.46
Jersey.....	65.4	54.8	59.9	57.0	3.05
Hurst Castle.....	64.3	52.1	57.1	55.7	3.01
Dover.....	63.4	52.9	57.7	55.2	2.64
LONDON.....	66.4	49.6	55.8	53.5	2.35
Oxford.....	64.0	48.9	54.0	52.1	2.66
Cambridge.....	65.6	48.1	54.6	53.0	2.26
Yarmouth.....	62.1	51.4	56.3	54.4	2.91

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.9 in. and upwards over South Germany and the southeast of France.
 Lowest, 29.2 in. and less, in a depression lying over the west of Norway.
 Gradients moderate over the north and northwest of our Islands, but slight elsewhere.
 Barometer rising at most of our northern and northeastern stations, as well as on the eastern shores of the North Sea, falling in nearly all other parts of Western Europe.

TEMPERATURE

Highest, 62° at Nice, 53° at Perpignan, 57° at Biarritz, 65° at Jersey, Brest, and Rochefort, and 54° at Scilly and Cape Fin Key.
 Lowest, 38° at Aberdeen, 40° at Leith, 41° at Koda, Narvik, York, and Donaghadee, and 42° at Hornsby, Wick, Shields, and Loughborough.
 The maxima registered yesterday were below 50° in the north of Scotland; frost occurred in the same district at night, as well as in Central Ireland.

WIND

Weak to strong from the N^W or NW^W on our western and extreme northern coasts, with a moderate gale at Malin Head.
 W^W or SW^W over the eastern, central, and southern parts of our Islands, as well as in Germany, Denmark, and the south of Scandinavia, with a gale over the Christiania Fjord.
 S^W in Sweden; NE^W in the west of Norway; variable or E^W in the southern parts of France.

WEATHER

Changeable and showery in nearly all parts of Western Europe.
 Rain fell yesterday at all but our extreme southeastern stations, as well as in Scandinavia, and snow or sleet showers were experienced in the north of Scotland. Lightning was seen last night in the south of England.

SEA

Rough off the north of Scotland and rather rough in the Irish Sea, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In addition to the depression over Norway a "V-shaped" secondary disturbance is at present lying off the northeast coast of Great Britain. The latter system seems likely to move southeastwards, and showery weather will probably continue over our Islands, with strong winds in the west and northwest.

FORECASTS

For the 24 hours ending at NOON on 24th SEPT: 1893.

DISTRICTS.

FORECASTS.

10	SCOTLAND NORTH	N ^W winds, strong, a gale in places; squally, some snow or sleet showers.
11	SCOTLAND EAST	NW ^W winds, freshening; unsettled, some cold showers.
2	ENGLAND N.E.	Same as N ^o 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W ^W winds, fresh or strong; changeable, some cold showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	N ^W winds, increasing in force; squally, showery.
7	ENGLAND N.W.	NW ^W winds, strong, a gale in places; squally, showery.
8	ENGLAND S.W.	NW ^W winds, fresh or strong; squally, showery.
9	IRELAND NORTH	Same as N ^o 7.
10	IRELAND SOUTH	Same as N ^o 8.

WARNINGS

At 3.40 pm yesterday to district 9 and part of 1, and at 7.30 pm to districts 6, 7, and 9 Hoist North Cone.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.		THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	29.20	52	47	SW	1	c	3	Valencia ...	29.92	55	52	rw	3	c	3	
Sumburgh Head ...	29.56	41	39	WNW	3	otsp	4	Scilly ...	29.79	53	50	WNW	3	b	3	
Stornoway ...	29.63	45	45	W	5	1	5	Jersey ...	29.81	57	51	W	4	c	4	
Aberdeen ...	29.51	44	41	WNW	5	ogq	5	Hurst Castle ...	29.76	57	51	W	5	bchp	3	
Shields ...	29.55	52	47	W	4	o	4	Dungeness ...	29.68	60	54	W	4	b	3	
Ardrossan ...	29.63	54	48	W	5	c	3	North Foreland ...	29.64	59	51	W	2	b	2	
Malin Head ...	29.73	50	43	WNW	5	o	3	London (Greenwich) ...	29.68	61	50	W	3	b	3	
Mullaghmore ...								Yarmouth ...	29.56	59	50	W	6	bog	3	
Belmullet ...	29.91	52	47	WNW	4	op	4	Rochefort ...	29.84	63	56	WNW	4	c	2	
Holyhead ...	29.72	55	49	W	4	b	4									

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

Weather fine and bright over the southern parts of the United Kingdom, as well as at many of the French, German, and Italian stations. Cloudy in all other parts of Europe, with showers in the north of our Islands and with rain in many parts of Scandinavia as well as in the southwest of France; fog reported at several of the Russian stations. Heavy rain, mingled with snow and sleet occurring during day in the north of Scotland, and showers in most other parts of the United Kingdom. Lightning seen in the south of England at night, and thunder reported at the Helder.

Temperature risen slightly in our Islands and more decidedly over Russia, falling elsewhere. Morning readings highest, 79° at Faro, 78° at Malta, 77° at Brindisi and 76° at Algiers, above 70° at most of the Mediterranean stations. Lowest (1) 40° at Parnassus, 44° at Stornoway and 45° at Sumburgh Head and Dungeness; (2) 41° at Borö, 43° at Christiansund, and 45° at Archangel. Rising during day to 60° or a little more in the central and southern parts of England, but remaining below 50° in the north of Scotland. Exceeding 70° in the south of France, the highest reading being 75° at Nice. Frost occurring at night over the north of Scotland and Central Ireland.

Wind N or NW in the east and north of our Islands; fresh or strong in many places, with a gale in the north of Scotland, moderate to fresh from the W in the east and southeast of England as well as over Denmark, North Germany, and the Netherlands. Gale from W. reported at Fano and from SW. at Munster. S over Ireland, Sweden, and the Baltic; E over the southern parts of Norway, but W in the north of Scandinavia. S over Spain and the south of France; variable in Italy, Algeria, and the south of Russia. No important change occurring over Western Europe during day.

Barometer highest, 30.0 in. and upwards over the southern parts of Spain and Italy and the Central and southern parts of the Mediterranean. Lowest 29.2 in. and less, in a well marked depression lying over Denmark, 29.4 in. and less, over the extreme north of Scandinavia. Danish depression subsequently moving northwards to the south of Norway, and barometer again falling on our northern coast.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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

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

„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Sunday 24th September,

1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.	TEMP.	WIND.		Weather.		BAROMETER.	SHADE TEMP.			WIND.		Weather.	Sea (0 to 9).			SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).			Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).				Max.	Min.		
	Ins.	°					Ins.		°	°							°	°	Ins.	
SCANDINAVIA.																				
Haparanda ...	29.29	45	SE	6	b		29.45	+ .04	46	44	0	SW	6	b	#	b	48	45	0.71	
Hernösand ...	29.48	48	S	2	b		29.58	+ .28	44	42	- 3	SW	2	b	#	b	52	39	-	
Stockholm ...	29.62	48	S	2	b		29.59	+ .17	51	49	+ 1	SSE	2	b	#	b	57	45	-	
Wisby ...	29.75	51	SSW	4	b		29.65	+ .11	51	50	- 1	SSW	4	b	#	b	57	48	-	
Bodö ...	29.51	44	S	2	c		29.26	+ .01	44	43	+ 3	SSW	7	r	4	c	48	37	0.16	
Christiansund...	28.64	45	NNW	2	o		29.46	+ .29	43	41	- 4	SE	1	f	4	o	47	43	0.32	
Skudesnaes ...	29.42	45	L	0	c		29.35	+ .02	48	46	- 1	ENE	2	c	2	c	52	39	-	
Christiania Fjord (Furder)	29.46	49	SSW	2	o		29.31	.00	48	46	0	ESE	5	r	2	o	50	48	-	
Skagen (The Seaw)	29.48	48	WSW	3	b		29.33	- .08	46	44	- 3	WSW	3	o	1	b	59	45	0.04	
Fanö ...	29.45	48	SW	4	r		29.40	- .10	43	42	- 3	SW	0	c	#	r	54	43	1.02	
Sumburgh Head	29.52	44	N	4	b		29.63	+ .31	42	39	- 2	NNW	4	c	5	o, b	51	37	0.06	
Stornoway ...	29.69	45	N	6	b		29.82	+ .27	44	43	+ 2	N	3	o	4	o, b	49	38	0.12	
Wick ...	29.60	44	NN	7	o		29.75	+ .35	43	41	+ 1	NN	6	ou	4	o	49	39	0.15	
Nairn ...	29.60	44	NNN	4	o		29.83	+ .39	43	41	+ 2	NNN	3	o	2	o	50	39	0.15	
Aberdeen ...	29.46	45	NN	7	c		29.81	+ .45	44	42	+ 6	NNN	4	c	4	g. cp	49	37	0.24	
Leith ...	29.58	44	NW	3	c		29.86	+ .47	46	42	+ 6	WSW	2	o	#	c	50	39	0.01	
Shields ...	29.43	46	WNW	5	o		29.88	+ .48	43	40	+ 1	W	3	b	3	rs, o	46	34	0.28	
Spurn Head ...	29.47	44	W	7	rg		29.86	+ .39	47	45	+ 4	NN	6	bpg	5	bpg	?	41	0.05	
York ...	29.52	44	W	4	o		29.90	+ .44	46	42	+ 5	W	2	b	#	o	48	40	0.04	
Loughborough	29.63	44	NN	2	b		29.95	+ .39	45	42	+ 3	WNW	3	bw	#	b	55	39	0.03	
ARDROSSAN	29.64	47	WNW	4	b		29.91	+ .45	47	43	+ 3	NN	3	c	2	b	53	42	-	
Malin Head ...	29.74	46	N	6	cp		29.97	+ .42	48	44	+ 5	NNW	5	cp	3	cp	50	43	0.04	
Mullaghmore ...																				
Belmullet ...	29.93	49	NNW	5	c		30.09	+ .32	50	45	+ 5	NW	2	b	#	c, bcp	52	43	0.20	
Donaghadee ...	29.71	50	NN	5	o		29.98	+ .46	46	43	+ 5	WNW	5	b	3	o	53	40	0.02	
BRITISH ISLANDS																				
Liverpool (Bidston)	29.60	48	WNW	5	c		29.98	+ .48	50	45	+ 3	NNE	1	b	2	c	55	42	0.07	
Holyhead ...	29.68	51	NW	6	c		29.98	+ .41	51	47	+ 4	NNW	5	b	5	bcp, o	52	45	-	
Parsonstown ...	29.85	47	NN	1	b		30.11	+ .28	42	41	0	W	1	b	#	b	52	31	0.80	
Valencia ...	29.96	50	N	5	cp		30.17	+ .23	51	48	+ 1	N	2	b	2	cp	54	45	0.14	
Roche's Point	29.87	52	NNW	5	b		30.15	+ .39	46	43	- 2	NN	3	b	3	b	56	41	-	
Pembroke (St. Ann's Hd.)	29.76	50	NNW	5	b		30.05	+ .41	50	45	+ 4	NNW	4	b	4	b	52	43	-	
Scilly ...	29.82	54	NNW	5	c		30.08	+ .33	54	48	0	NNW	4	cp	3	g, b, c	57	50	0.06	
Prawle Point ...	29.78	45	WNW	3	b		30.05	+ .34	51	47	+ 4	N	3	b	2	bcp	55	41	0.13	
Jersey (St. Aubin's)	29.78	53	WNW	4	c		30.04	+ .27	57	50	+ 2	NN	3	b	3	pp, c	60	46	0.07	
Hurst Castle ...	29.72	50	WNW	4	b		30.01	+ .34	47	44	- 5	WNW	3	b	2	b, b	55	40	-	
Dungeness ...	29.64	48	WNW	4	b		29.94	+ .30	50	46	- 2	NW	3	b	3	r, b	55	36	0.03	
North Foreland	29.63	46	W	2	b		29.88	+ .26	48	45	0	W	3	b	3	b	52	39	0.01	
London ...	29.68	44	WNW	2	b		29.98	+ .36	44	41	- 5	NN	2	b	#	cp, b	52	35	0.06	
Oxford ...	29.74	41	WSW	2	b		29.98	+ .38	46	43	- 1	W	1	b	#	b	55	37	0.07	
Cambridge ...	29.64	44	SW	1	b		29.95	+ .39	46	43	- 1	W	4	o	#	b	55	38	-	
Yarmouth ...	29.53	46	W	4	c		29.82	+ .28	46	43	- 1	WNW	5	b	4	b, c	50	38	0.01	
GERMANY & HOLLAND																				
Cuxhaven ...	29.65	45	W	3	c		29.54	- .09	45	44	- 2	WSW	7	o	#	c	55	44	0.20	
Berlin ...	29.78	53	SSW	3	o		29.77	- .05	52	49	+ 3	SW	4	o	#	o	59	49	-	
Wiesbaden ...	*	*	*	*	*		29.93	+ .08	51	47	+ 4	S	2	c	#	#	54	43	0.04	
Munich ...	29.90	51	E	1	c		29.95	+ .02	49	49	0	E	5	r	#	e	59	48	-	
The Helder ...	29.55	50	WSW	7	b		29.77	+ .17	53	47	0	WNW	5	b	4	b	54	48	0.28	
BRUSSLS (p.m.)	*	*	*	*	*		29.92	+ .19	45	?	- 4	SW	3	b	#	r	60	39	0.20	
Cape Gris Nez	29.64	50	WNW	4	c		29.87	+ .22	50	47	- 4	WNW	4	b	#	c	57	41	0.28	
Paris ...	29.76	54	SSW	3	b		29.99	+ .17	42	42	- 3	SSW	1	b	4	b	61	45	0.04	
Brest ...	?	54	NNE	3	c		?	?	43	42	- 12	NE	2	b	2	c	63	41	0.08	
Lorient ...	29.82	56	NN	5	c		30.04	+ .18	50	47	- 2	N	4	b	2	c	61	48	-	
FRANCE AND BELGIUM.																				
Rochefort ...	29.78	59	N	3	o		29.91	+ .11	49	47	- 6	ENE	4	c	#	b, o	66	45	-	
Belfort ...	?	49	SW	2	o		?	?	48	46	-	E	2	o	#	o	51	45	1.34	
Lyons ...																				
Nice ...	29.85	65	E	2	c		29.83	- .09	60	54	- 2	ENE	2	r	1	c	75	59	0.04	
Perpignan ...	29.69	71	S	3	o		29.78	- .02	63	58	+ 4	WSW	2	o	#	o	77	59	-	
Biarritz ...	29.76	62	E	2	r		29.88	+ .10	54	52	- 3	ENE	2	r	2	r	64	54	0.47	
PENIN- SULA.																				
Corunna ...	*	*	*	*	*															
Lisbon ...	29.69	61	?	0	r		29.69	.00	61	57	- 3	NNW	5	c	#	r	66	57	0.47	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Sunday, 24th Sept. 1893.

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:

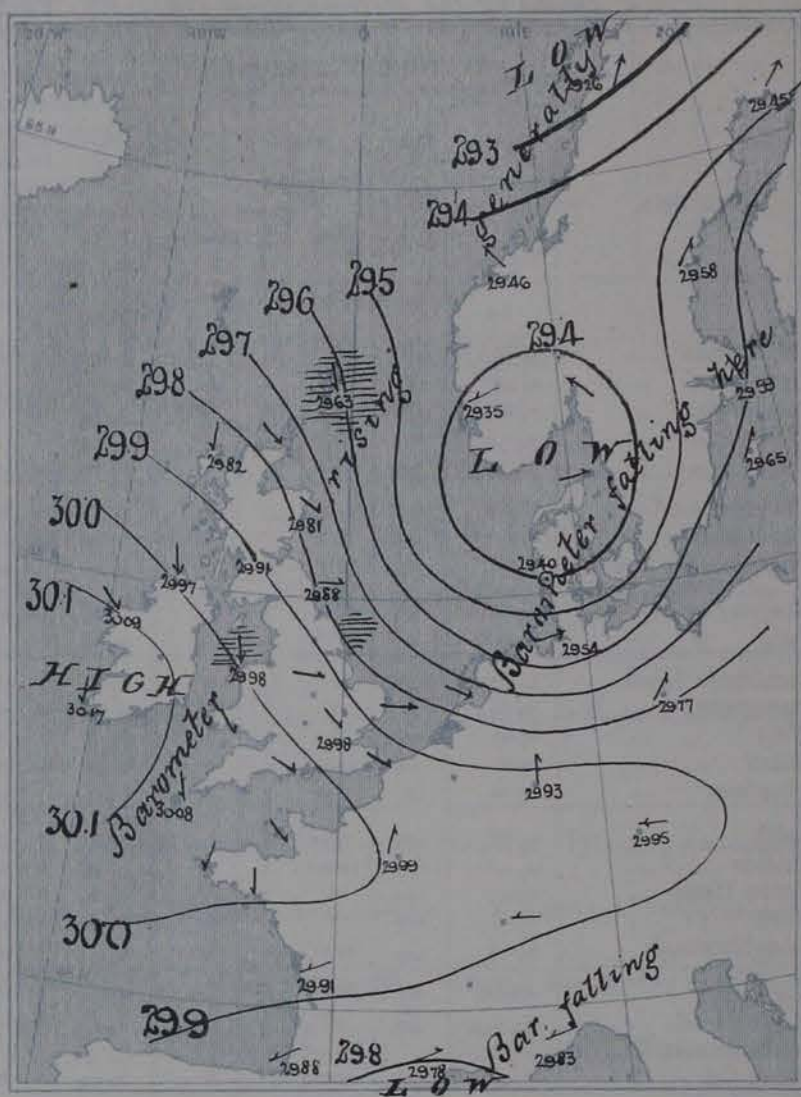
☐ = Rough, ☐ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrossan	29.885
Mullaghmore	29.800
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Scilly	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Vermouth	29.948



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.

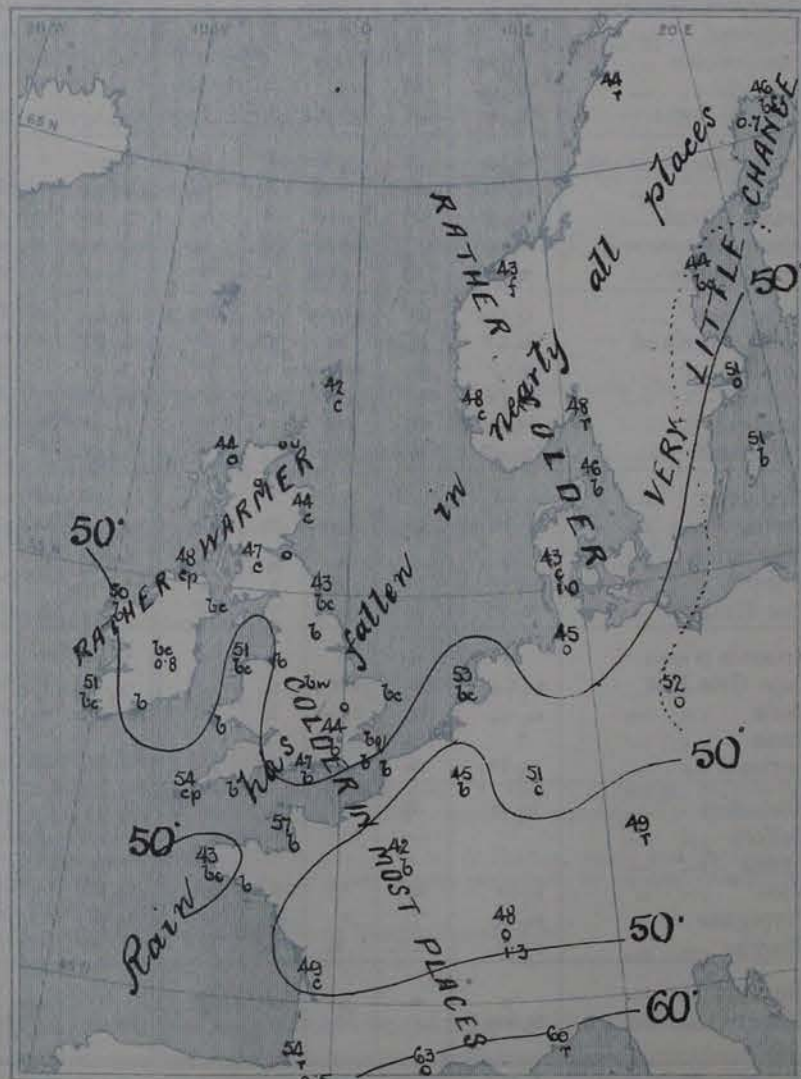
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Day	Night	
Sumburgh Head	55.0	46.1	50.3	49.1	3.32
Stornoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.3	51.9	50.0	2.53
Nairn	59.2	46.5	51.3	48.0	2.38
Aberdeen	59.2	46.7	52.1	49.7	2.07
Leith	61.9	47.5	53.2	50.8	2.34
Shields	59.5	48.8	53.1	51.0	2.30
Spurn Head	60.4	52.7	55.5	53.8	2.92
York	62.9	47.7	52.0	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.76
Ardrossan	59.6	49.4	53.5	51.4	3.07
Mullaghmore	60.2	50.0	54.0	51.6	4.93
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.6	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.30
Parsonstown	61.5	47.4	53.0	51.1	3.14
Valencia	61.8	51.5	56.5	54.2	4.50
Roche's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	60.1	53.0	56.1	53.9	3.58
Scilly	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	65.4	54.8	59.0	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	3.01
Dover	68.4	52.9	57.7	55.2	2.64
LONDON	68.4	40.6	55.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.66
Cambridge	65.6	48.1	54.6	53.0	2.26
Vermouth	62.1	51.4	56.3	54.4	2.31

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins. and upwards, in an anticyclone extending from the Wnd over the southern parts of Ireland.
 Lowest, 29.3 ins. and less, in a depression off the northwest of Norway; 29.4 ins. and less, in a well-marked secondary disturbance lying over Denmark and the south of Norway.
 Gradients rather steep over the North Sea, Denmark, and North Germany, slight elsewhere.
 Barometer rising at all but the Danish and German stations — most on our east coasts.

TEMPERATURE

Highest, 63° at Perpignan, 61° at Lisbon, 60° at Nice, 57° at Jersey, 54° at Bally, and 53° at the Helder.
 Lowest, 42° at Lumburgh H^d and Baronstoun, 43° at Christiansund, Tavo, Wick, Kain, and Shields, and 44° at Oslo, Norway, Aberdeen and in London.
 The maxima registered yesterday were again below 50° at several of our northern stations. Frost occurred at night in some of the inland districts; in London the thermometer on the grass fell to 28°.

WIND

Light to fresh from the NWnd over our Islands, strong from W. or SW. over North Germany and the Netherlands; S^{ly} or SW^{ly} in Sweden, and the north of Norway; light from the End in the coast of Norway.
 Variable over Central France, NE^{ly} in the west and south of that country.

WEATHER

Fine over the greater part of Western Europe, but dull at some of our own northern stations, and showery at Spurn H^d, Malin H^d, Bally, and in North Germany and the coast of Norway, with rain at Oslo; rain in the south of France.
 Showers fell yesterday in nearly all parts of the United Kingdom, and heavy rain in some parts of Scandinavia, Denmark, and France.

SEA

Moderate to smooth generally, but rather rough at Lumburgh Head, Spurn H^d, and Holyhead.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 25th SEPT. 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

None issued

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

None issued

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudeanaes ...	29.39	52	46	S	2	c	3	Valencia ...	29.40	53	47	NNW	5	cpq	5
Sumburgh Head	29.41	46	43	N	4	o	6	Scilly ...	29.78	54	46	NNW	5	bc	4
Stornoway ...	29.65	47	45	N	7	o	6	Jersey ...	29.62	60	24	WSW	6	c	4
Aberdeen ...	29.39	46	42	NNW	8	c	6	Hurst Castle ...	29.66	53	48	NNW	4	bc	3
Shields ...	29.46	40	39	W	4	rs	3	Dungeness ...	29.59	49	48	NNW	4	r	4
Ardrossan ...	29.56	53	47	NNW	4	c	2	North Foreland ...	29.59	48	46	W	3	r	3
Malin Head ...	29.68	49	46	N	6	bc	4	London ...	29.61	48	45	NN	3	c	*
Mullaghmore ...								Yarmouth ...	29.53	50	45	WSW	4	bc	3
Belmullet ...	29.86	48	45	NNW	5	bcq	*	Rochefort ...	29.80	62	56	Z	0	b	*
Holyhead ...	29.62	51	46	NNW	6	bcq	5								

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

Weather changeable and showery in nearly all parts of Western Europe. Rain in Scotland and Ireland, drizzle at most of the Russian, German, and Austrian stations; fine and bright over the southern parts of Russia and Italy. Snow-falling later over the north of England, and heavy rain over Denmark, the northern parts of Sweden and Russia and the south of France.

Temperature fallen generally, but risen a little in the south of England and the north of France, as well as at most of the Russian stations. Morning readings ^{highest} 79° at Bay, 78° at Malta, 76° at Tunis, and 75° at Brindisi; above 60° in most parts of southern Europe, but below 55° over Central Spain. Lowest 38° at Aberdeen, 40° at Leith, and 41° at Rode; Nain, York and Banagher; below 45° over the northern parts of the United Kingdom generally, and below 50° at all but our extreme southern stations. Thermometers remaining below 50° all day in most parts of our northern and eastern districts, but rising to between 55° and 60° on our southern coast, to 70° or more over the greater part of southern Europe and to 80° or more in the south of Italy. Frost occurring over Central Ireland at night, and also (on the grass) in London.

Wind fresh to strong from the Nth or NWth on our western and extreme northern coasts; Wth or SWth in the eastern central, and southern part of our islands, as well as in Denmark, and the south of Norway, with a gale in the Christiania Fjord. Sth or SWth over Germany, Sweden and the Baltic; SEth over Northern Russia. Light and variable over southern and eastern Europe. Subsequently increasing to a gale from the NWth in the north of Scotland. Light Sth breezes settling in over Italy.

Barometer highest 30.0 ins. and upwards, in a large anticyclone covering the southeastern parts of Europe. Lowest 29.2 ins. and less, in a depression over the west of Norway; 29.4 ins. and less, in a "V-shaped" secondary disturbance extending southwards across the North Sea to the east of Scotland; 29.7 ins. and less, in a shallow depression off the Portuguese coast. Secondary disturbance subsequently moving southwards across North Sea; barometer rising in all parts of the United Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

" Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on *Monday, 25th September, 1893*

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.	TEMP.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 3).		SHADE TEMP.		Amount of Rainfall.	
	Reading at 82° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).			Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).				Max.	Min.		
	Ins.	°					Ins.		°	°	°							°	Ins.	
SCANDINAVIA.																				
Haparanda ...	29.49	44	SW	2	b		29.24	+21	44	43	-2	NE	2	0	#	b	50	43		
Hernösand ...	29.30	45	SE	4	r		29.23	-35	45	44	+1	NE	2	0	#	r	52	37	0.43	
Stockholm ...	29.32	45	W	0	0		29.37	-22	47	44	-4	WSW	4	0	#	0	55	41	0.08	
Wishby ...	29.46	48	SW	8	b		29.55	-10	48	44	-4	W	8	60	#	b	57	45	0.08	
Bodö ...	29.45	43	WSW	4	bc		29.40	+14	38	37	-1	SSW	4	60	2	bc	45	36	0.43	
Christiansund...	29.39	43	NW	2	r		29.48	+02	42	40	-2	NNE	4	1	4	r	46	?	0.59	
Skudesnaes ...	29.50	44	NW	6	c		29.54	+19	39	38	-1	NW	2	1	2	c	48	36		
Christiania Fjord (Færd)	29.35	48	WNW	4	bc		29.41	+10	43	37	-6	W	4	0	3	bc	50	43		
Skagen (The Seaw)	29.41	48	NW	5	bc		29.47	+14	45	42	-3	W	3	0	1	bc	52	43	0.12	
Fanö ...	29.69	46	WNW	6	c		29.48	+08	50	48	-2	SW	6	1	#	c	54	43	0.20	
Sumburgh Head	29.62	42	NW	3	c		29.76	+13	41	38	-3	N	3	0	4	c	45	35	0.03	
Stornoway ...	29.66	48	NW	6	r		29.93	+11	41	40	-1	W	0	0	3	r	51	35	0.08	
Wick ...	29.65	42	N	7	0		29.87	+12	44	43	-1	N	6	0	3	0	48	34	0.15	
Nairn ...	29.65	47	NW	1	0		29.92	+09	41	38	-3	W	1	0	1	0	48	35	0.05	
Aberdeen ...	29.74	46	SSW	2	0.05		29.90	+09	42	39	-3	WNW	3	0	4	p.0	50	39	0.15	
Leith ...	29.80	47	WSW	1	r		29.93	+07	46	41	-5	WNW	2	0	#	r	51	44	0.02	
Shields ...	29.87	51	W	2	c		29.88	-00	46	43	-3	W	4	60	3	cp	55	41		
Spurn Head ...	29.92	52	W	5	cq		29.84	-02	52	48	-4	W	5	0	4	cq. r	?	46	0.06	
York ...	29.96	49	W	3	b		29.88	-02	52	47	-5	WNW	3	0	#	b	57	45		
Loughborough	30.03	50	WNW	3	bc		29.94	-01	52	50	-2	W	4	0	#	bc	59	43		
BRITISH ISLANDS.																				
Ardrossan ...	29.81	52	WSW	4	cq. p		29.93	+02	49	46	-3	W	3	0	2	cq. p	54	46	0.06	
Malin Head ...	29.87	52	W	6	0.1		29.96	-01	49	47	-2	W	3	0.1	3	0.1	53	47	0.06	
Mullaghmore ...																				
Belmullet ...	30.07	54	W	4	c		30.04	-05	55	53	-2	WNW	3	0	#	c	56	45	0.21	
Donaghadee ...	29.95	51	W	5	c		29.99	+04	48	47	-1	W	5	0	3	c	57	43	0.03	
Liverpool (Eldon)	30.01	50	W	4	bc		29.95	-03	52	49	-3	WNW	5	0	4	bc	53	47	0.24	
Holyhead ...	30.04	53	W	3	cp		29.98	-00	54	52	-2	W	5	0.1	4	c	56	45		
Parsonstown ...	30.09	51	W	2	0		30.05	-06	52	50	-2	SW	1	0	#	0	56	35		
Valencia ...	30.21	54	WSW	3	c		30.15	-02	54	53	-1	WNW	2	0.1	3	c	57	50	0.11	
Roche's Point	30.17	56	WNW	3	bc		30.11	-04	54	52	-2	WNW	3	0	3	bc	57	46		
Pembroke (St. Ann's Hd.)	30.11	53	W	4	c		30.05	-00	54	51	-3	W	5	0	5	bc	56	50		
Scilly ...	30.18	54	W	4	bc		30.12	+04	55	53	-2	WNW	4	0.1	3	bc	56	51	0.01	
Prawle Point ...	30.17	52	WNW	3	bc		30.11	+06	54	51	-3	W	3	0.1	2	bc	62	44		
Jersey (St. Aubin's)	30.14	56	W	3	b		30.15	+01	56	50	-6	W	3	0	3	b	59	48		
Hurst Castle ...	30.09	54	W	3	b		30.06	+05	55	52	-3	W	4	0	2	b	61	46		
Dungeness ...	30.03	56	WNW	2	bc		29.99	+05	55	52	-3	W	5	0	4	bc	58	41		
North Foreland	30.09	52	W	2	b		29.98	+10	50	45	-5	W	3	0.1	3	b	57	45		
London ...	30.03	55	WSW	1	b		30.01	+03	50	47	-3	WSW	2	0	#	bc. b	58	40		
Oxford ...	30.09	47	WNW	1	b		30.00	+02	52	49	-3	W	3	0	#	b	59	41		
Cambridge ...	30.03	52	WNW	1	b		29.95	00	53	49	-4	SW	5	0	#	b	60	37		
Yarmouth ...	29.94	53	W	4	c		29.86	+04	51	49	-2	W	5	0.1	4	c	55	41	0.05	
GERMANY & HOLLAND.																				
Cuxhaven ...	29.83	48	WNW	6	r		29.65		47	46	-1	WNW	6	0	#	r	54	46	0.24	
Berlin ...	29.91	50	W	3	b		29.94	+17	46	44	-2	SW	3	0	#	b	57	43		
Wiesbaden ...	#	#	#	#	#		30.11	+18	41	39	-2	W	0	0	#	#	57	?		
Munich ...	30.12	44	W	3	r		29.96	+01	45	44	-1	W	1	0	#	r	50	43	0.24	
The Helder ...	29.99	54	W	5	bc		29.82	+05	54	51	-3	WSW	7	0	4	bc	55	52	0.04	
FRANCE AND BELGIUM.																				
Brussels (9 a.m.)	#	#	#	#	#		30.04		47	45	-2	WSW	3	0	#	bc	56	41	0.04	
Cape Gris Nez	29.99	55	WNW	2	bc		29.99	+12	53	50	-3	W	5	0	#	bc	57	36		
Paris ...	30.10	51	WNW	2	b		30.15	+16	?	?	?	S	1	0	#	b	62	36		
Brest ...	?	55	NNE	2	bc		?	?	52	49	-3	NNE	1	0	1	bc	61	43		
Lorient ...	30.14	58	N	4	bc		30.18	+14	48	45	-3	WNW	4	0	2	bc	66	46		
Rocheport ...	29.99	59	NNE	4	bc		30.06	+15	48	45	-3	NNE	4	0	#	bc	66	43		
Belfort ...																				
Lyons ...																				
Nice ...	29.86	65	W	0	0		29.93	+10	64	59	-5	W	0	0	#	0	68	60		
Perpignan ...	29.94	60	WSW	2	r		30.02	+14	64	56	-8	W	0	0	#	r	77	55		
Biarritz ...	29.98	55	E	3	r		29.99	+11	53	51	-2	ESE	2	0	2	r	59	52	0.16	
PENINSULA.																				
Corunna ...		#	#	#	#															
Lisbon ...	29.93	59	WNW	3	0		30.00	+31	61	57	-4	WNW	3	0	#	0	66	57		

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Monday, 25th Sept. 1893.

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:

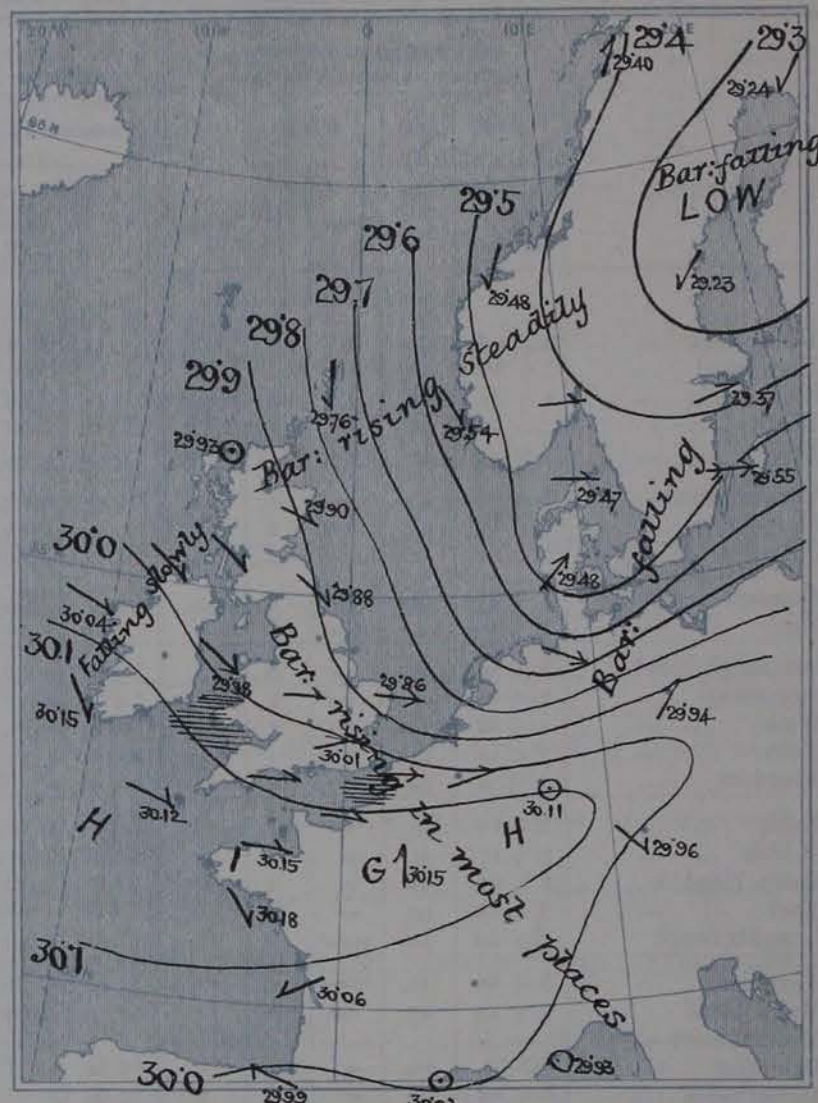
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871–1890.

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrossan	29.885
Mullaghmore	29.890
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Scilly	29.971
Prawle Point	29.988
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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 September.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry. at 8 a.m.	Wet.	
Sumburgh Head	55.0	46.1	50.8	40.1	3.32
Stornoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.5	51.9	50.0	2.53
Nairn	59.2	46.5	51.3	48.9	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.97
Leith	61.9	47.5	53.2	50.8	2.34
Shields	50.3	48.8	53.7	51.0	2.50
Spurn Head	60.4	52.7	55.5	53.8	2.92
York	62.9	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.76
Ardrossan	59.6	49.4	53.5	51.4	3.07
Mullaghmore	60.2	50.9	54.0	51.6	4.95
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.0	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.30
Parsonstown	61.5	47.4	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	60.1	53.0	56.1	53.9	3.58
Scilly	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	65.4	54.8	59.9	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	66.4	49.6	55.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.66
Cambridge	65.6	48.1	54.6	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.91

NOTE.—The Temperature means are for the 20 years 1871–90, the Rainfall means are mainly those for the 25 years 1866–90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards, in an anticyclone extending from the Atlantic over the extreme southwest of our Islands and the north of France.
 Lowest, 29.3 in. and less, in a depression lying over the Gulf of Bothnia and the north of Sweden.
 Gradients moderate over the North Sea, North Germany, and the Netherlands, but slight elsewhere.
 Barometer falling a little at several of our western stations, as well as in Denmark, North Germany, and the north of Sweden, rising in most other localities.

TEMPERATURE

Highest, 64° at Nice, 59° at Perpignan, 56° at Jersey, and 55° at Balmuccia, Lally, Hurst Castle, Bungleas, Yarmouth and Cape Fin Key.
 Lowest (1) 38° at Bodo, 39° at Skudeneas, and 41° at Edinburgh 11th. Tromsø and Naum; (2) 41° at Wiesbaden, and 45° at Munich.
 During yesterday the thermometer exceeded 55° in many parts of Ireland and England, the highest reading of all being 62° at Bunde P. found first occurred in London last night.

WIND

NW³ over all the more western and northern parts of the United Kingdom, but W in the south and east of England; strong in force at Wick, light to fresh elsewhere.
 W³ or SW³ over the Netherlands, Denmark, and the south of Scandinavia, with a gale at Viborg; NE³ over the northern parts of Sweden.
 E³ over the Bay of Biscay; calm in the south of France.

WEATHER

Fair over the northern and eastern parts of our Islands, but cloudy elsewhere, with showers at some of our western stations.
 Fine and bright over the greater part of France and Germany; cloudy in Scandinavia and Denmark, with rain in the west of Norway, as well as at Paris.
 A little rain fell yesterday over the northern parts of the United Kingdom, and large amount in Scandinavia. A lunar halo was seen at the North Island.

SEA

Moderate to smooth generally, but rather rough at Pembroke and Cape Fin Key.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The conditions remain favourable for the passage across our Islands of depressions from the north-westward, and showers are therefore probable in many districts, with strong NW³ or N³ winds on our northwestern and extreme northern coasts.

FORECASTS

For the 24 hours ending at NOON on 26th SEPT: 1893.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N ² and NW ² winds, strong; fair to unsettled and some rain.	6 SCOTLAND WEST	NW ² winds, force doubtful, changeable, showery.
1 SCOTLAND EAST	W ² and NW ² winds, moderate or fresh; fair to showery.	7 ENGLAND N.W.	NW ² winds, strong; squally, showery.
2 ENGLAND N.E.		8 ENGLAND S.W.	NW ² winds, moderate; fair generally but local showers.
3 ENGLAND EAST	W ² winds, moderate; fair generally, but local showers.	9 IRELAND NORTH	Same as No. 7.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as No. 8.
5 ENGLAND SOUTH			
		WARNINGS	At 7.15 pm yesterday to districts 0, 6, 7, 9, and part of 1. Hoist North Cone.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.50	47	42	NW	8	0	3	Valencia ...							
Sumburgh Head								Scilly ...							
Stornoway ...	29.74	47	47	N	4	8	4	Jersey ...	30.11	58	50	NW	3	bc	3
Aberdeen ...								Hurst Castle							
Shields ...								Dungeness ...	30.00	50	51	NW	3	bc	2
Ardrossan ...								North Foreland...	30.01	57	49	W	2	b	3
Malin Head ...	29.90	50	50	SW	6	0	4	London ...							*
Mullaghmore ...								Yarmouth ...							
Belmullet ...	30.08	55	52	NW	3	bc	*	Rochefort ...	29.97	64	54	NE	4	b	*
Holyhead ...	30.06	55	49	NW	3	bc	4								

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

Weather fine and bright over the greater part of the United Kingdom, the Netherlands and the north of France, as well as in Sweden and the south of Russia. Cloudy or overcast elsewhere, with rain over the south of France and central Spain, and also over the Baltic provinces and the northern parts of Norway and Finland. Rain setting in later over the northern parts of our Islands, and considerable amounts falling at some of the Scandinavian stations. Lunar halo seen at the North Foreland.

Temperature fallen in Denmark, Russia, France and the southeast of England, but risen in most other countries. Morning readings highest 81° at Malta, 80° at Naples and Algiers, and 77° at Brindisi; above 70° at all the Italian stations, and above 60° in the south of France. Lowest 42° at Sumburgh H^d. Parsonstown and Paris and 43° at Christiansund, Fano, Whick, Nain and Shields, below 45° in many parts of St. Britain, and below 50° in all but the southwestern parts of the United Kingdom. Rising during day to 55° or more at most of the English and Irish stations, and reaching 62° at Pwll Point, exceeding 65° in the west of France, and exceeding 70° in the south of that country. Ground frost occurring in London at night.

Wind moderate to strong from the NWth over the greater part of the United Kingdom; strong from the Wth or SWth over the Netherlands and N. Germany; Sth or SWth over Denmark, Sweden and Russia. Variable in Austria, SEth in Italy, Eth or NEth in Spain and the west and south of France. Subsequently increasing in force from the NWth in the extreme north and northwest of our Islands. No important change occurring elsewhere.

Barometer highest 30.1 ins. and upwards in an anticyclone spreading over the S. of Ireland from the Atlantic, and also in another system lying over the central and Sth parts of Russia. Lowest 29.3 ins. and less in a depression off the NW. of Norway, 29.4 ins. and less in a well marked secondary disturbance over Denmark and the south of Norway. Depressions subsequently moving Eth, but further systems advancing over the N. of Scotland from the NW.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 17th TO 23rd SEPT. 1893.

During the past week unsettled weather gradually extended over the whole Kingdom from the northward, and at the close of the period the conditions were everywhere cold and inclement, with snow in many parts of our Nth district.

The change in the weather was brought about by a depression of considerable intensity which first appeared off the north of Scotland on the morning of the 18th. During the ensuing 24 hours the system became deeper and moved slowly eastwards, and on the 20th and 21st when its centre remained almost stationary between the Shetlands and the west of Norway, strong NWth and Nth gales sprang up in the north of Scotland, with heavy falls of rain. Secondary disturbances were at the same time observed over the southern parts of the United Kingdom, and on the afternoon of the 20th a severe squall from the NWth passed over Scilly, thunder and lightning being experienced on the same night over the south of England generally.

On the night of the 21st the main depression travelled southwards to Denmark, but in the course of the following day it entirely changed its course and moved in a northerly direction to Norway, where it was found at the close of the week. In the meantime further secondary disturbances appeared over various parts of our Islands and their neighbourhood, so that squally, showery weather became general, with frequent gales from the NWth in the north of Scotland, and with snow in many parts of our northern districts. Lightning was seen over the south of England on the nights both of the 21st and 22nd.

During the early part of the week temperature was about equal to the average, but with the shift of wind to NWth and Nth it fell considerably, and on the 22nd and 23rd the maximum readings were below 50° at many of our northern stations. On the night of the 22nd frost occurred over Scotland and central Ireland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on TUESDAY, 26th SEPTEMBER, 1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
	Barom.	Temp.	WIND.		Weather.		BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).		SHADE TEMP.			Amount of Rainfall.		
			Reading at 32° F. and Sea Level.	Dry Bulb.			Direc.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.			Direc.	Force (0 to 12).	Weather.		Max.	Min.
	Ins.	°					Ins.	°	°	°						°		Ins.			
SCANDINAVIA.	Haparanda ...	29.29	35	2	0	b	29.47	+23	38	30	-11	2	0	bc	*	b	46	33	—		
	Hernösand ...	29.45	42	N	2	c	29.52	+31	39	37	-6	NNW	6	0	*	c	48	29	0.12		
	Stockholm ...	29.25	46	E	8	T	29.34	-23	42	41	-5	NW	4	c	*	T	52	41	0.20		
	Wisby ...	29.38	44	SW	8	b	29.41	-14	44	43	-4	NNW	10	T	*	b	52	41	0.35		
	Bodö ...	29.40	37	SW	6	T	29.38	-22	40	40	+2	SW	4	0	2	T	40	36	0.24		
	Christiansund...	29.63	40	NW	2	T	29.63	+17	39	38	-3	SW	6	T	0	T	45	37	0.20		
	Skudesnaes ...	29.75	48	NW	7	T	29.84	+30	40	38	+1	N	2	bc	2	C.T	50	36	—		
	Christiania Fjord (Færd)	29.41	44	NNW	8	0	29.69	+28	44	38	+1	NW	4	c	2	0	46	43	—		
	Skagen (The Scaw)	29.45	46	N	6	c	29.70	+23	47	40	+2	N	2	c	0	c	48	29	0.25		
	Fanö ...	29.77	47	NW	6	c	29.84	+36	45	43	-5	NW	4	bc	*	c	52	45	0.20		
BRITISH ISLANDS.	Sumburgh Head	29.86	39	N	2	c	29.89	+11	40	37	-1	N	1	c	3	c	46	36	0.05		
	Stornoway ...	29.96	44	E	4	c	29.89	-04	44	41	+3	E	4	b	4	b.c	49	35	—		
	Wick ...	29.99	41	N	2	0	29.91	+04	43	42	-1	SW	2	c	1	0	45	35	—		
	Nairn ...	29.97	43	2	0	c	29.91	-01	37	36	-4	2	0	b	1	c	50	30	—		
	Aberdeen ...	29.99	42	N	2	c	29.94	+04	39	37	-3	NNW	2	bc	3	C.T.p.c	47	33	0.06		
	Leith ...	29.97	42	SE	2	bc	29.87	-06	45	43	-1	E	2	T	*	bc	52	41	0.03		
	Shields ...	29.99	48	NNE	2	c	29.87	-01	46	45	0	SE	1	T	3	bc.c.T	52	43	0.25		
	Spurn Head ...	30.00	49	NNE	3	c	29.89	+05	50	49	-2	SW	2	T	3	C.T	52	45	0.10		
	York ...	30.00	50	ESE	1	c	29.88	00	47	47	-5	SE	1	m	*	c	57	44	0.10		
	Loughborough	30.02	51	NNW	1	0	29.94	00	52	50	0	NNW	2	bc	*	0	61	46	—		
GERMANY & HOLLAND.	Ardrossan ...	29.96	49	2	0	Tm	29.81	-12	45	44	-4	NE	2	om	1	0.Tm	52	42	0.27		
	Malin Head ...	29.91	52	N	1	OT	29.76	-20	53	52	+4	E	3	om	2	0.OT	53	49	0.80		
	Mullaghmore ...	29.96	56	SW	2	c	29.82	-22	57	55	+2	NW	2	c	*	op.c	57	53	0.16		
	Belmullet ...	29.96	57	SE	4	T	29.79	-20	58	55	+7	NNW	4	0	2	T	55	48	0.47		
	Liverpool (Bldston)	30.02	57	2	0	T	29.88	-07	52	52	+2	SW	2	0	2	T	55	49	0.15		
	Holyhead ...	30.00	54	SW	2	opg	29.85	-13	52	54	0	SW	5	Tm	4	ogopg	61	53	0.11		
	Parsonstown ...	30.02	54	N	1	0	29.86	-19	55	54	+1	SE	1	of	3	og	58	51	0.09		
	Valencia ...	30.09	56	SW	2	opm	29.90	-25	58	58	+4	2	2	Tm	3	omopm	59	52	0.12		
	Roche's Point	30.09	55	NNW	2	op	29.94	-17	58	57	+4	N	3	0	3	p.0	61	52	0.01		
	Pembroke (St. Ann's Hd.)	30.04	56	NW	2	c	29.94	-11	58	55	+4	N	4	bc	5	c	58	54	0.08		
FRANCE AND BELGIUM.	Scilly ...	30.08	57	NNW	2	p	30.03	-09	59	58	+4	N	3	c	3	c	61	53	0.06		
	Prawle Point ...	30.06	55	NNW	1	0	30.03	-08	55	53	+1	NNW	3	c	2	ogp	60	51	0.01		
	Jersey (St. Aubin's)	30.08	56	NNW	2	OTg	30.06	-09	55	55	+1	NNW	3	cm	3	cOTg	60	54	0.16		
	Hurst Castle ...	30.04	58	NW	2	c	30.02	-04	55	54	0	NNW	2	c	2	c	65	51	0.01		
	Dungeness ...	29.99	56	N	2	T	29.99	00	57	54	+2	N	2	c	1	C.T	63	46	0.01		
	North Foreland	30.00	57	N	2	T	29.99	+01	58	50	+5	N	2	c	2	b.T	60	48	—		
	London ...	30.02	55	NW	1	0	30.00	-01	52	50	+2	NNW	1	0	*	p.0	60	45	—		
	Oxford ...	30.03	52	NW	1	0	29.98	-02	51	50	-1	SW	2	0	*	op	58	47	0.01		
	Cambridge ...	30.02	52	NE	1	0	29.97	+02	51	50	-2	2	2	0	*	0	60	44	—		
	Yarmouth ...	29.98	57	NNW	2	bc	29.95	+09	51	48	0	NNW	3	c	3	C.bc	55	45	0.01		
PENINSULA.	Cuxhaven ...	29.86	48	NNW	5	T	29.95	+30	47	46	0	NNW	3	c	*	T	52	46	0.26		
	Berlin ...	29.88	50	N	2	T	29.99	+35	45	42	-1	N	3	b	*	T	59	43	0.04		
	Wiesbaden ...	30.06	50	*	*	*	30.06	-05	49	48	+1	2	0	0	*	*	59	36	—		
	Munich ...	30.10	47	SW	1	b	30.11	+15	46	44	+1	N	2	0	*	b	55	43	—		
	The Helder ...	30.02	52	NNW	1	b	30.03	+21	51	46	-3	N	1	c	1	b	53	48	0.04		
	Brussels (9 a.m.)	*	*	*	*	*	30.05	+01	51	49	+4	SE	1	0	*	T	59	46	0.04		
	Cape Gris Nez	29.98	56	NNW	2	0	29.96	-02	53	53	0	N	3	m	2	0	57	48	—		
	Paris ...	30.07	54	N	2	0	30.08	-07	50	49	+11	SW	1	0	*	0	63	48	—		
	Brest ...	30.07	56	NNW	2	0	30.07	-07	53	54	+3	NNW	2	bc	3	0	61	43	0.04		
	Lorient ...	30.13	57	NNW	4	c	30.11	-07	53	51	+5	2	0	bc	2	c	64	46	—		
FRANCE AND BELGIUM.	Rochefort ...	30.02	60	2	0	b	30.07	+01	53	51	+5	SE	1	c	*	bc.b	61	46	—		
	Belfort ...	30.05	58	N	1	0	30.12	-03	47	42	+1	N	1	bc	*	0.6lp	60	44	0.04		
	Lyons ...	29.94	65	SW	4	c	29.88	-05	61	58	-3	SW	2	b	2	c	75	59	—		
	Nice ...	30.00	62	NNW	2	0	30.10	+08	57	52	-2	NW	1	0	*	0	69	55	—		
	Perpignan ...	30.09	59	NNW	2	0	30.18	+19	60	52	+7	N	3	0	2	0	60	55	—		
	Biarritz ...	30.09	59	NNW	2	0	30.18	+19	60	52	+7	N	3	0	2	0	60	55	—		
PENINSULA.	Corunna ...	30.12	59	NNW	4	b	30.18	+18	62	58	+1	NNW	4	b	*	C.b	66	57	—		
	Lisbon ...	30.12	59	NNW	4	b	30.18	+18	62	58	+1	NNW	4	b	*	C.b	66	57	—		

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Tuesday 26th Sept: 1893.

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:

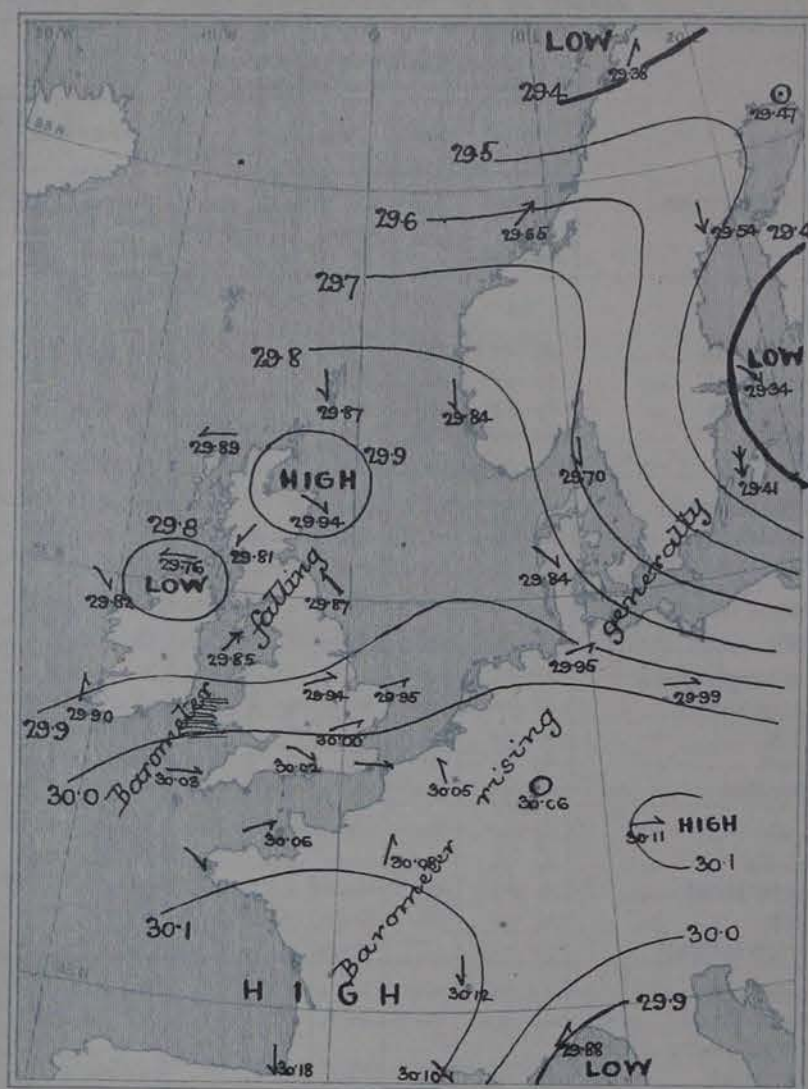
☰ = Rough. ☱ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871-1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrossan	29.885
Mullaghmore	29.890
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roch's Point	29.946
Pendbrook	29.948
Silly	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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.

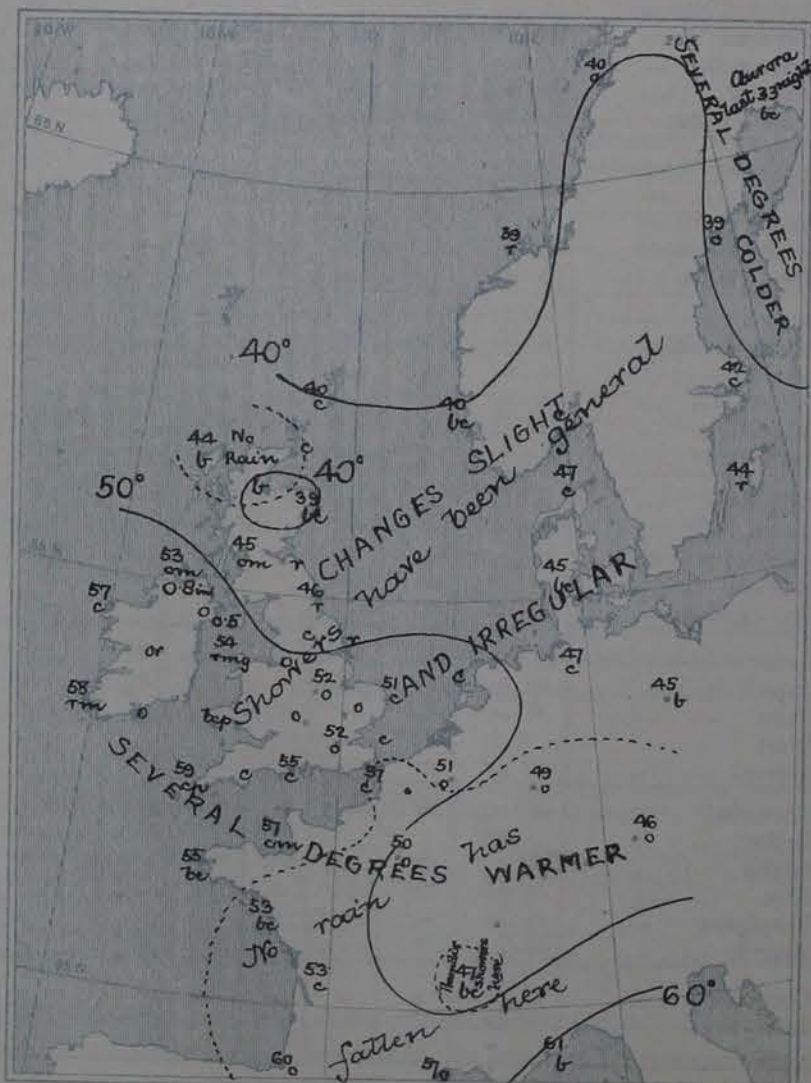
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry. Wet.	Wet.	
Sumburgh Head	55.0	46.1	50.8	49.1	3.32
Stornoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.5	51.0	50.0	2.53
Nairn	59.2	46.5	51.3	48.9	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.97
Leith	61.9	47.5	53.2	50.8	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	46.7	53.5	53.8	2.02
York	62.9	47.7	52.0	51.1	2.70
Loughborough	63.0	47.8	54.0	52.2	2.78
Ardrossan	59.6	49.4	53.5	51.4	3.07
Mullaghmore	60.2	50.0	54.0	51.8	4.05
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.0	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.39
Parsonstown	61.5	47.4	58.0	51.1	3.10
Valencia	61.8	51.5	56.3	54.2	4.53
Roch's Point	61.7	51.0	55.5	53.4	4.08
Pendbrook	60.1	53.0	56.1	53.0	3.58
Silly	61.8	51.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	63.4	54.8	59.9	57.0	3.05
Hurst Castle	64.2	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	66.4	49.6	55.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.46
Cambridge	65.6	48.1	54.6	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.01

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and upwards in an anticyclone lying over the greater part of France and Spain.
Lowest 29.4 ins. and less in a depression off the northwest of Norway, and also in another disturbance over the northern part of the Baltic; 29.8 ins. and less in a small shallow system over the N. of Ireland.
Gradients slight generally, but rather steep over the Baltic and the south of Sweden.

TEMPERATURE

Barometer falling in our Islands, but rising at most of the Continental stations.
Highest 61° at Nice, 60° at Biarritz, 59° at Sicily, and 58° at Valencia (Ireland), Roches Pt. & Pembrokeshire.
Lowest 33° at Haparanda, 37° at Narvik, 39° at Helsingfors, Christiana and Aberdeen, and 40° at Skudesnäs & Sumburg Pt.
During yesterday the thermometer rose to 60° or a little above it at most of our central and southern stations. Frost occurred last night in the north of Scotland.

WIND

Light to moderate from the Wnd or SWnd over the greater part of Ireland and England, as well as in Germany and the north of France.
Light and variable in Scotland; moderate to strong from the SWnd in the west of Norway.
NWnd over Sweden, Denmark and the South of Norway, with a gale at Ålborg, variable over the Sth part of France.

WEATHER

Cloudy or overcast in most parts of our area, with rain in Ireland, the north of England and the south of Scotland, and with passing showers on our southwest coasts.
Fine in the north and east of Scotland, and also in the southeast of France.
In the course of the past 24 hours rain has fallen in most parts of the United Kingdom, the largest amount being 0.8 inch at Malin Head.

SEA

Slight or smooth generally, but rather rough at Pembrokeshire.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression over the north of Ireland seems likely to move slowly eastwards. The steady fall of the barometer at Valencia seems to indicate the approach of further disturbances, and unsettled weather is therefore likely in most parts of the Kingdom.

FORECASTS

For the 24 hours ending at NOON on 27TH SEPT. 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 SCOTLAND NORTH

Light variable breezes, fair to cloudy and showery.

1 SCOTLAND EAST

2 ENGLAND N.E.

Sth winds, light or moderate, unsettled, rain at times.

3 ENGLAND EAST

4 MIDLAND COUNTIES

SWth winds, light or moderate, changeable, some showers.

5 ENGLAND SOUTH

6 SCOTLAND WEST

Same as Nos 0 and 1.

7 ENGLAND N.W.

Sth and SWth winds, freshening; changeable, some rain.

8 ENGLAND S.W.

Wth to SWth winds, freshening; changeable, some rain.

9 IRELAND NORTH

Variable breezes, finally Sth unsettled, some rain.

10 IRELAND SOUTH

Same as No 7.

WARNINGS

At 10.30 am to districts 0, 6, 7, 9 and part of 1 Lower Cone.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.53	50	42	NNW	3	c	3	Valencia ...	30.12	58	56	WNW	2	m	3
Sumburgh Head	29.86	43	39	N	4	c	4	Scilly ...	30.11	53	54	WNW	4	c	3
Stornoway ...	29.96	49	44	E	3	b	3	Jersey ...	30.11	59	54	W	4	c	3
Aberdeen ...	29.97	47	42	NNW	3	crh	4	Hurst Castle	30.04	62	54	W	4	c	3
Shields ...	29.97	51	45	N	3	bc	4	Dungeness...	29.98	61	56	WNW	3	c	2
Ardrossan ...	29.97	50	47	W	1	o	1	North Foreland...	29.97	60	52	W	2	b	3
Malin Head ...	29.95	50	49	SE	2	o	2	London ...	30.01	58	52	WNW	3	o	*
Mullaghmore								Yarmouth ...	29.96	54	50	NW	4	c	4
Belmullet ...	30.01	57	53	SW	3	of	*	Rochefort ...	30.04	62	53	NNW	2	bc	*
Holyhead ...	30.02	57	53	NNW	2	og	2								

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather fair in the north and east of our Islands, but cloudy in the south, and showery in the west. Fine and bright over the greater part of France, Germany and Austria, as well as in central Russia and the south of Italy; cloudy in most other countries, with rain in the west of Norway, as well as at Helsingfors, Faro, Florence and Barcelona. Showers falling during day in most parts of the United Kingdom, and heavy rain setting in at night in the north of Ireland. Rain falling also in Scandinavia, Denmark and North Germany; thunderstorm occurring at Lyons.

Temperature risen over England and Ireland, as well as North Germany and several parts of Russia, fallen elsewhere. Morning readings highest 81° at Brindisi and Igara, 80° at Malta, 78° at Naples, and 77° at Cagliari, above 65° in most parts of southern and eastern Europe, but below 60° over central Spain. Lowest (1) 38° at Bodo, 39° at Skudesnaes, and 41° at Uleaborg and Sumburgh Head, Stornoway and Naivn; (2) 39° at Paris, and 41° at Wiesbaden and Lyons. Remaining below 50° all day in the north of Scotland, but reaching 60° or a little more in the central and southern parts of our Islands, and exceeding 65° at several of the French stations. Frost occurring in the north of Scotland at night.

Wind light to fresh from the NWth in all the more western and northern parts of our Islands, but Wth in the south and southeast of England. Strong from SW. over Holland, Denmark, North Germany, the Baltic and the Gulf of Finland; light from the Sth over central and northern Russia, and from the NEth in the north of Sweden. Variable over the greater part of southern Europe; Eth in the southwest of France. Subsequently falling light in all parts of the United Kingdom, and backing to the SWth in the west of Ireland.

Barometer highest 30.1 ins. and upwards in a long band extending from the Atlantic across the extreme southwest of our Islands and the greater part of France to south Germany and the north of Austria. Lowest 29.3 ins. and less in a depression over the Gulf of Bothnia and the north of Sweden, 29.5 ins. and less in a secondary system extending southwestwards to Denmark. Depression moving eastwards later, but shallow disturbances beginning to approach our own western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 27th September, 1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.	
				Force (0 to 12).			Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).				Max.	Min.		
		Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).		Ins.												Ins.	
SCANDINAVIA.	Haparanda ...	29.49	32	Z	0	b	29.45	-0.02	35	30	+2	Z	0	bc	#	b	45	27	-	
	Hernösand ...	29.58	35	Z	0	b	29.62	+0.04	40	37	+1	1W	2	bc	#	b	46	34	-	
	Stockholm ...	29.68	41	W	2	0	29.73	+0.05	40	38	-2	W	2	b	#	0	48	39	-	
	Wisby ...	29.74	46	1W	6	bc	29.78	+0.04	45	42	+1	1W	4	b	#	bc	48	41	0.04	
	Bodö ...	29.38	40	W	6	7	29.49	+0.11	42	41	+2	W	6	7	3	7	43	39	0.35	
	Christiansund...	29.75	44	1SW	4	c	29.74	+0.01	41	39	+2	SW	4	7	5	c	45	39	0.67	
	Skudesnaes ...	29.87	41	1	2	bc	29.83	-0.04	42	41	+2	1W	1	c	2	bc	48	36	-	
	Christiania Fjord (Færder)	29.75	48	1W	2	b	29.79	+0.04	44	41	0	W	2	bc	2	b	50	43	-	
	Skagen (The Seaw)	29.75	48	1W	1	bc	29.78	+0.03	48	43	+1	W	2	b	0	bc	50	37	-	
	Fanö ...	29.88	43	Z	0	bc	29.81	-0.07	43	42	-2	1W	2	bc	#	bc	50	41	0.04	
BRITISH ISLANDS.	Sumburgh Head	29.86	41	N	1	c	29.68	-0.18	45	42	+3	SSE	1	c	3	c	45	36	-	
	Stornoway ...	29.77	46	E	2	bc	29.53	-0.24	52	51	+1	W	3	7	3	b, bc	52	36	0.06	
	Wick ...	29.75	45	SE	2	c	29.60	-0.15	51	49	+2	S	3	0	1	c	51	40	0.02	
	Nairn ...	29.80	44	SE	1	bc	29.61	-0.19	43	42	+1	Z	0	cm	1	bc, m	53	36	0.02	
	Aberdeen ...	29.88	46	SE	2	og	29.70	-0.18	49	48	+1	SSE	4	od, g	4	c, og	50	39	0.01	
	Leith ...	29.81	44	E	2	0	29.70	-0.11	49	48	+1	ESE	1	7	#	0	49	44	0.01	
	Shields ...	29.81	50	E	4	7	29.72	-0.09	53	52	+1	SE	1	og	3	0	53	45	0.18	
	Spurn Head ...	29.79	56	SW	2	og	29.70	-0.09	58	53	+5	1W	3	7	3	og, 7	49	40	0.10	
	York ...	29.79	51	1W	1	7	29.74	-0.05	51	51	+0	1W	1	0	#	0	58	46	0.70	
	Loughborough	29.86	57	1SW	2	c	29.77	-0.09	56	55	+1	W	2	c	#	c, p	64	52	0.25	
GERMANY & HOLLAND.	Ardrossan ...	29.78	48	NE	2	om	29.68	-0.10	49	48	+1	NE	1	om	0	om	51	44	-	
	Malin Head ...	29.74	54	S	1	om	29.67	-0.07	54	51	+3	W	4	0	2	om	54	52	0.03	
	Mullaghmore ...	29.78	56	SW	2	od	29.79	+0.01	55	52	-3	W	3	bc	#	o, d	59	52	0.14	
	Belmullet ...	29.78	54	E	3	0	29.71	-0.07	54	54	0	1SW	4	0	2	0	57	52	0.02	
	Donaghadee ...	29.78	54	E	3	0	29.71	-0.07	54	54	0	1SW	4	0	2	0	57	52	0.02	
	Liverpool (Bidston)	29.81	56	1SW	2	0	29.75	-0.06	55	55	+0	SSW	2	7	1	0	59	54	0.23	
	Holyhead ...	29.79	58	SW	3	og	29.76	-0.03	56	55	+1	1SW	1	og	2	c, og	60	54	0.27	
	Parsonstown ...	29.79	55	SE	1	0	29.82	+0.03	54	52	-2	W	1	c	#	0	62	50	0.03	
	Valencia ...	29.86	57	Z	0	7	29.93	+0.07	57	53	-4	W	4	om	4	om	60	56	0.40	
	Roche's Point	29.85	59	1W	2	p	29.89	+0.04	57	55	-2	1W	2	bc	3	p	62	55	0.05	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.82	59	SW	5	7	29.82	-0.02	59	57	+2	1W	4	c	5	7	60	56	0.11	
	Scilly ...	29.93	60	SW	4	m	29.92	-0.01	60	59	+1	1W	4	cp	4	cm	64	59	0.28	
	Prawle Point ...	29.96	57	SW	5	c	29.87	-0.09	58	58	+0	1SW	3	od	2	c, 7	61	53	0.19	
	Jersey (St. Aubin's)	30.04	60	W	4	bc	29.92	-0.12	62	61	+1	SW	6	om, 7	5	og, bc	63	55	0.34	
	Hurst Castle ...	29.98	60	1SW	5	bc	29.83	-0.15	61	60	+1	W	4	c	4	bc, 7	64	55	0.12	
	Dungeness ...	29.95	59	W	4	bc	29.79	-0.16	58	57	+1	W	4	c	5	bc, 7	63	56	0.18	
	North Foreland	29.90	58	W	2	c	29.78	-0.12	59	57	+2	W	2	bc	2	bc, c, 7	64	53	0.18	
	London ...	29.92	61	1SW	1	0	29.80	-0.12	57	55	+2	W	1	c	#	c, b, 7	64	50	0.20	
	Oxford ...	29.90	56	SW	2	0	29.80	-0.10	56	55	+1	SW	2	c	#	o, 7	61	51	0.02	
	Cambridge ...	29.89	60	S	5	0	29.76	-0.13	57	56	+1	SSW	4	0	#	0	66	50	0.08	
PENINSULA.	Yarmouth ...	29.85	59	1SW	3	c	29.74	-0.11	57	56	+1	SW	3	7	3	c	61	50	0.12	
	Cuxhaven ...	29.96	49	1SW	3	7	29.81	-0.15	49	48	+1	ESE	3	7	#	7	52	47	0.48	
	Berlin ...	30.00	48	W	2	b	29.90	-0.09	50	49	+1	SW	2	0	#	b	55	45	0.04	
	Wiesbaden ...	30.06	46	SW	2	b	30.06	0.00	52	50	+2	W	1	0	#	#	57	46	0.04	
	Munich ...	30.15	46	SW	2	b	30.17	+0.02	47	45	+2	SW	5	bc	#	b	57	45	-	
	The Helder ...	29.90	56	SW	4	7	29.81	-0.09	57	56	+1	1SW	3	0	2	7	57	48	0.75	
	Brussels (9 a.m.)	30.08	54	SW	1	0	30.07	-0.01	50	48	+2	SSW	2	0	#	0	62	44	0.08	
	Cape Gris Nez	29.93	58	W	5	c	29.81	-0.12	56	55	+1	SW	6	7	6	c	59	50	0.20	
	Brest ...	30.09	60	W	2	c	30.01	-0.08	60	60	+0	W	3	f	3	c	63	55	0.63	
	Lorient ...	30.09	60	W	4	bc	30.01	-0.08	61	60	+1	SW	5	7	4	bc	66	50	-	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Wednesday, 27th Sept. 1893.

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:

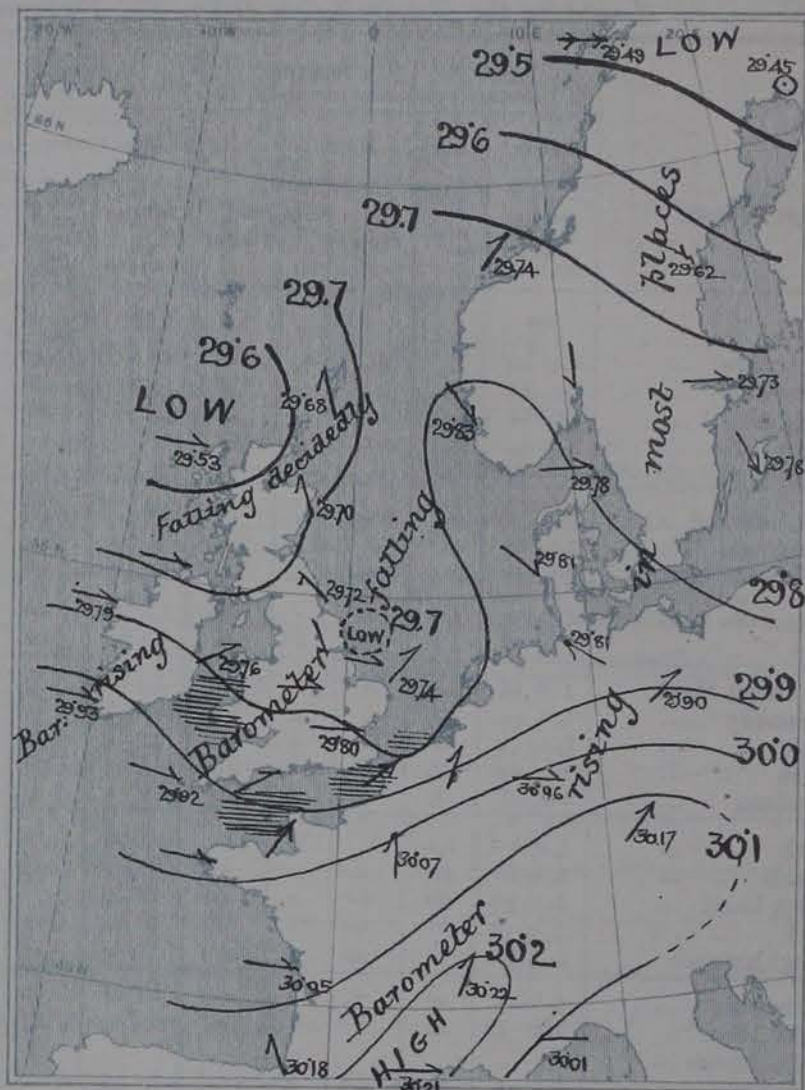
▨ = Rough ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.9 a.m. for the month of September.

During the 20 Years 1871-1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stormoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrossan	29.885
Mullaghmore	29.800
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Scilly	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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.

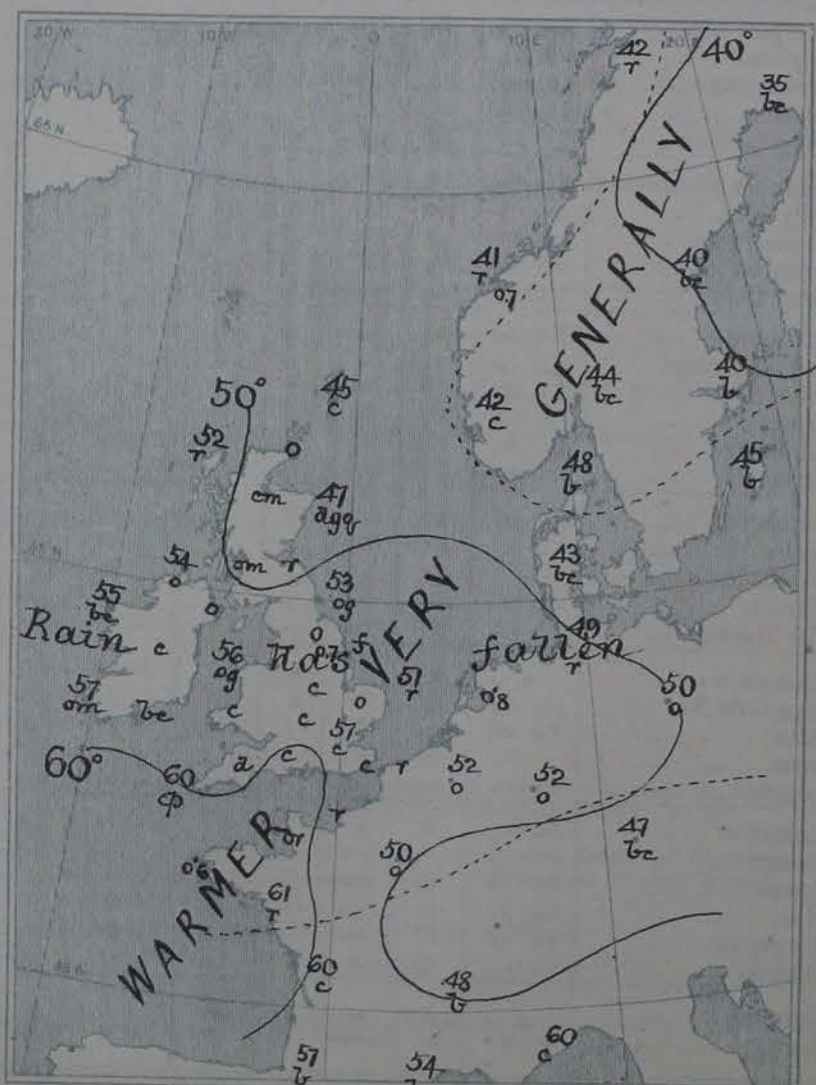
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of September.)

STATIONS.	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	Dry Therm.	Wet Therm.	
Sumburgh Head	55.0	46.1	50.8	49.1	3.32
Stormoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.5	51.9	50.0	2.53
Nairn	59.2	46.5	51.3	48.9	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.07
Leith	61.9	47.5	53.2	50.8	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	55.5	53.8	2.92
York	62.9	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.76
Ardrossan	59.0	49.4	53.5	51.4	3.67
Mullaghmore	60.2	50.0	54.0	51.6	4.93
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.6	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.30
Parsonstown	61.5	47.4	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	60.1	53.0	56.1	53.9	3.58
Scilly	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	65.4	54.8	59.9	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	2.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	66.4	49.6	55.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.66
Cambridge	65.6	48.1	54.6	53.0	2.26
Yarmouth	62.1	51.4	59.3	54.4	2.91

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: and upwards over the southern parts of France.
 Lowest, 29.5 in: and less, in the north of Scandinavia; 29.6 in: and less, in a depression lying off the northwest of Scotland.
 Gradients slight and irregular. Barometer rising in the southwest of our Islands, as well as in Sweden, and the southern parts of France and Germany, falling elsewhere, — most on our northern coasts.

TEMPERATURE

Highest, 62° at Jersey, 61° at Hunt Castle and Lorient, and 60° at Kelly, Brest, Rochefort, and Nice.
 Lowest, 35° at Haparanda, 40° at Helsingfors and Stockholm, 41° at Christiansund, 42° at Hovø and Skudesnæs, and 43° at Narvik.
 During yesterday the thermometer rose to between 60° and 64° at several of our central and southern stations, and 66° at Cambridge.

WIND

Light to moderate from the Wnd on our western and southern coasts, and from the SWnd over the central and southeastern parts of England, as well as over the Netherlands, Germany, and the greater part of France.
 S^{ly} or SE^{ly} in the north and east of Scotland, SW^{ly} in the west of Norway; NW^{ly} in Denmark and the south of Scandinavia. Variable in the south of France.

WEATHER

Cloudy over the greater part of our Islands, the Netherlands, and the north of France, with rain in many places; raining also in the west of Norway.
 Fine in Sweden, Denmark, and the southern parts of France and Germany.
 In the course of the past 24 hours rain has fallen over nearly the whole of Western Europe, the largest amounts being 0.8 inch at the Helder, and 0.7 inch at Christiansund and York. A lunar halo was seen in London last night.

SEA

Rough at Cape Fin Niz and rather rough at Christiansund, Pembroke, and Jersey, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure over our Islands is now very irregular, and changeable, showery weather seems likely to continue in most districts.

FORECASTS

For the 24 hours ending at NOON on 28th SEPT 1893.

DISTRICTS.

FORECASTS.

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

S^{ly} winds, freshening; changeable, some rain.
 Variable breezes, finally SW^{ly}; unsettled, some rain.
 SW^{ly} and W^{ly} winds, moderate; changeable, some showers.

DISTRICTS.

FORECASTS.

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

Same as No 2.

W^{ly} to SW^{ly} winds, moderate; changeable 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.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Stadenæs ...	29.85	48	42	11W	4	bc	2	Valencia ...	29.89	59	58	11SW	3	sm	3
Bomburgh Head ...	29.87	43	39	1	1	c	3	Scilly ...	29.98	62	58	W	4	c	3
Stornoway ...	29.83	49	44	SE	4	b	4	Jersey ...	30.07	62	56	11SW	4	og	3
Aberdeen ...	29.90	49	43	SE	2	c	3	Hurst Castle ...	29.99	62	57	11SW	4	bc	2
Shields ...	29.82	49	48	E	4	o	4	Dungeness ...	29.96	61	58	11SW	3	bc	3
Ardrossan ...	29.79	51	49	11E	3	o	1	North Foreland ...	29.94	64	55	W	3	bc	2
Malin Head ...	29.76	54	53	ESE	3	o	2	London (Westminster) ...	29.94	63	56	11SW	2	c	#
Mullaghmore ...								Yarmouth ...	29.88	60	54	11SW	3	c	3
Belmullet ...	29.80	57	56	SW	2	o	#	Rochefort ...	30.08	58	56	W	4	r	#
Holyhead ...	29.83	59	58	SW	5	c	4								

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

Weather cloudy or dull over the greater part of our Islands and the Continent, with rain in Ireland, the north of England, and the south of Scotland, as well as at some of the Scandinavian, Russian, and Austrian stations, and with passing showers in the south-west of England. Fine in the north and east of Scotland, as well as in the south-east of France and the south of Italy. Rain falling during day in nearly all parts of Western Europe — heavily in places. Lunar halo seen in London.

Temperature risen in the south of our Islands, fallen in Sweden, Russia, Austria and Italy; changed irregularly elsewhere. Morning readings highest 80° at Affax, 79° at Tunis and Malta, and 75° at Legria and Cagliari; above 60° in most other parts of southern Europe, but as low as 50° at Madrid. Lowest 33° at Haparanda, 37° at Kain, and 39° at Haparanda, Christiansund and Aberdeen, below 45° in Scandinavia, the northern and central parts of Russia and the north of Scotland. Rising during day to between 60° and 65° at most of the English and Irish stations, exceeding 65° in the west and south of France, and reaching 77° at Nice.

Wind light to moderate from the Wnd or SWnd over the greater part of Ireland and England as well as in Germany and the north of France; variable in Scotland; SWnd in the west of Norway. NWnd in Denmark and the south of Scandinavia, with a strong gale at Viborg; gale from W. reported at Memel; light Snd in Finland. Nnd in the south of Russia, NWnd in Austria. Variable in Italy, Algeria, and the south of France, Nnd in Spain. End and SEnd winds setting in later over the northern part of the United Kingdom.

Barometer highest 30.1 ins. and upwards in an anticyclone lying over France, the Spanish Peninsula, and the western part of the Mediterranean. Lowest 29.4 ins. and less, in two depressions — one off the north-west of Norway and the other near the mouth of the Gulf of Finland; 29.8 ins. and less, in a shallow system over the north of Ireland; 29.9 ins. and less in small areas lying over the south-east of France and over the north of the Adriatic. Depression over north of Ireland spreading later over all the more northern part of the United Kingdom and barometer falling slowly over the whole of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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DAILY WEATHER REPORT

for 8 a.m. on THURSDAY, 28TH SEPTEMBER, 1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.				
	BAROM.	TEMP.	WIND.		Force (0 to 12).	Weather.	BAROMETER.		SHADE TEMP.			WIND.		Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.	
Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).	Weather.	Max.	Min.	Ins.							
Ins.	°				Ins.	°	°	°													
SCANDINAVIA.	Haparanda ...	29.47	38	2	0	0	29.55	+10	34	22	-1	N	2	c	#	0	45	28	—		
	Hernösand ...	29.65	39	2	0	0	29.67	+05	36	35	-4	N	2	b	#	0	46	32	—		
	Stockholm ...	29.70	40	2	0	0	29.72	-01	43	41	+3	2	0	b	#	0	50	36	—		
	Wisby ...	29.80	42	SW	4	0	29.75	-03	44	42	-1	S	4	b	#	0	48	41	—		
	Bodö ...	29.58	41	NW	5	0	29.61	+12	38	38	-4	SW	2	T	1	0	43	36	0.24		
	Christiansund...	29.73	42	SW	2	bc	29.65	-09	40	38	-1	ESE	2	b	2	bc	48	37	0.12		
	Skudesnaes ...	29.72	46	S	1	c	29.63	-20	48	44	+6	SE	6	T	2	c	50	42	—		
	Christiania Fjord (Færder)	29.71	48	SW	2	bc	29.66	-13	49	44	+5	S	2	0	2	bc	50	44	—		
	Skagen (The Scaw)	29.72	48	N	1	b	29.66	-12	48	44	0	WNW	2	c	0	b	52	41	—		
	Fanö ...	29.72	47	ESE	4	c	29.63	-18	46	45	+3	E	2	b	#	c	61	43	0.20		
ISLANDS.	Sumburgh Head	29.49	49	SE	2	T	29.37	-12	51	50	+6	SE	2	b	4	o. r	51	43	0.12		
	Stornoway ...	29.52	52	S	2	b	29.42	-10	48	45	-7	S	2	T	6	b. b	58	36	0.07		
	Wick ...	29.54	54	S	2	c	29.51	-29	53	52	+2	S	4	0	2	c	54	42	0.03		
	Nairn ...	29.55	50	SW	1	bc	29.50	-11	52	48	+9	SW	2	c	1	bc	58	41	0.02		
	Aberdeen ...	29.60	50	SW	1	cm	29.43	-27	50	49	+1	S	2	c	3	org. cmf	52	38	0.22		
	Leith ...	29.63	51	N	2	bc	29.44	-26	53	49	+4	S	1	T	#	bc	57	47	0.11		
	Shields ...	29.67	55	WNW	2	c	29.53	-13	52	49	-1	SW	2	c	2	po. b. r.	57	46	0.08		
	Spurn Head ...	29.69	57	N	2	og	29.70	00	53	50	0	SW	3	c	3	p. og	60	48	0.01		
	York ...	29.71	56	N	4	bc	29.68	-06	51	49	0	SE	3	o	#	bc	61	45	—		
	Loughborough	29.77	56	N	2	bc	29.76	-01	53	50	-3	SW	3	omp	#	bc	66	49	—		
BRITISH ISLANDS.	Ardrossan ...	29.67	54	SW	2	c	29.54	-13	53	53	+6	S	5	p	5	c	59	48	0.14		
	Malin Head ...	29.65	54	N	5	op	29.57	-10	53	54	+1	SW	5	odp	3	b. op	57	53	0.07		
	Mullaghmore ...	29.75	53	SW	4	0	29.57	-18	56	54	+1	N	4	c	#	bc. o	58	52	0.14		
	Belmullet ...	29.73	53	WNW	2	b	29.43	-30	53	54	+1	SW	6	0	4	b	60	53	0.05		
	Donaghadee ...	29.77	53	WNW	2	bc	29.58	-19	54	51	-1	S	2	T	2	bc	58	50	0.04		
	Holyhead ...	29.78	54	WNW	1	b. m.	29.56	-20	55	55	+1	SW	5	omp	4	b. b. m.	60	53	0.10		
	Parsonstown ...	29.81	56	NW	1	bc	29.46	-35	58	55	+4	N	1	o	#	bc. o	60	51	0.13		
	Valencia ...	29.91	58	SW	4	cm	29.54	-37	59	58	+2	SW	4	omp	5	c. m.	60	53	0.29		
	Roche's Point	29.90	57	WNW	4	bc	29.58	-32	60	59	+3	WNW	5	T	4	bc. T	62	54	0.15		
	Pembroke (St. Ann's Hd.)	29.85	58	N	5	c	29.67	-18	59	59	0	SW	6	T	6	c	59	56	0.04		
GERMANY & HOLLAND.	Scilly ...	29.95	59	WNW	4	c	29.79	-16	60	58	0	SW	5	o	4	c. p. c.	61	56	0.02		
	Prawle Point ...	29.92	57	N	4	c	29.87	00	58	57	0	SW	5	og	4	d. c.	62	55	0.01		
	Jersey (St. Aubin's)	29.96	61	N	5	b. m.	29.97	+05	61	58	-1	SW	5	og	4	om. b. m.	64	58	0.02		
	Hurst Castle ...	29.85	60	WNW	5	c	29.88	+03	60	56	-1	WNW	5	b	4	c. p. c.	67	56	0.01		
	Dungeness ...	29.77	62	N	3	bc	29.88	+11	60	57	+2	WNW	4	bc	3	bc. l.	67	57	—		
	North Foreland	29.77	62	N	2	og	29.88	+10	54	51	-5	N	3	b	2	b. o. g. t. l.	65	51	—		
	London ...	29.79	62	N	2	bc	29.85	+06	56	53	-1	SW	2	bc	#	b. c.	65	48	—		
	Oxford ...	29.85	55	WNW	1	bc	29.82	+03	55	51	-1	SW	3	ou	#	p. bc	66	50	—		
	Cambridge ...	29.76	58	S	3	b	29.82	+06	55	53	-2	S	4	o	#	b	67	45	—		
	Yarmouth ...	29.72	60	WNW	1	c	29.79	+07	55	50	-5	WNW	3	b	3	c. m. c. t. l.	63	46	0.27		
FRANCE AND BELGIUM.	Cuxhaven ...	29.76	52	SE	2	T	29.67	-14	53	52	+4	WNW	4	bc	#	T	54	49	0.24		
	Berlin ...	29.81	55	SW	2	T	29.71	-10	54	54	+4	WNW	3	T	#	T	57	50	0.16		
	Wiesbaden ...	*	*	*	*	*	29.91	-15	57	58	+5	SW	1	c	#	*	61	52	0.16		
	Munich ...	30.09	50	SW	4	0	30.06	-11	53	51	+6	N	7	T	#	o	57	46	0.08		
	The Helder ...	29.75	57	N	4	b	29.84	+09	56	52	-1	N	4	c	3	t	59	53	0.51		
	Brussels (9 a.m.)	*	*	*	*	*	29.93	00	54	52	+2	WNW	1	c	#	o	58	51	0.20		
	Cape Gris Nez	29.79	60	N	5	0	29.86	+07	57	55	+1	N	5	o	5	o	63	54	—		
	Paris ...	29.95	59	SW	2	0	30.04	-09	53	52	+3	SW	2	b	#	o	61	50	0.12		
	Brest ...	30.05	60	NW	2	c	*	*	53	55	-1	WNW	2	c	3	c	64	53	—		
	Lorient ...	30.05	61	N	5	c	30.04	+03	61	58	0	SW	4	bc	3	c	64	59	0.12		
PENIN- SULA.	Rochefort ...	30.03	61	N	4	0	30.02	-01	60	60	0	2	0	0	#	o	66	52	0.12		
	Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Lyons ...	30.15	59	S	1	c	30.17	-02	53	51	+5	N	1	o	#	c	65	48	0.04		
	Nice ...	30.09	59	2	0	c	30.08	+07	56	53	-4	E	2	bc	2	c	70	54	0.04		
	Perpignan ...	30.17	59	2	0	b	30.17	-04	53	51	+1	WNW	1	b	#	b	73	49	—		
	Biarritz ...	30.15	66	NW	2	b	30.12	-06	63	53	+6	SW	2	0	2	b	72	57	—		
CORUNNA.	Corunna ...	*	*	*	*	*	30.17	-04	62	53	+1	NNE	3	b	#	c. b	75	57	—		
	Lisbon ...	30.21	65	WNW	4	b	30.17	-04	62	53	+1	NNE	3	b	#	c. b	75	57	—		

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Thursday, 28th Sept. 1893.

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:

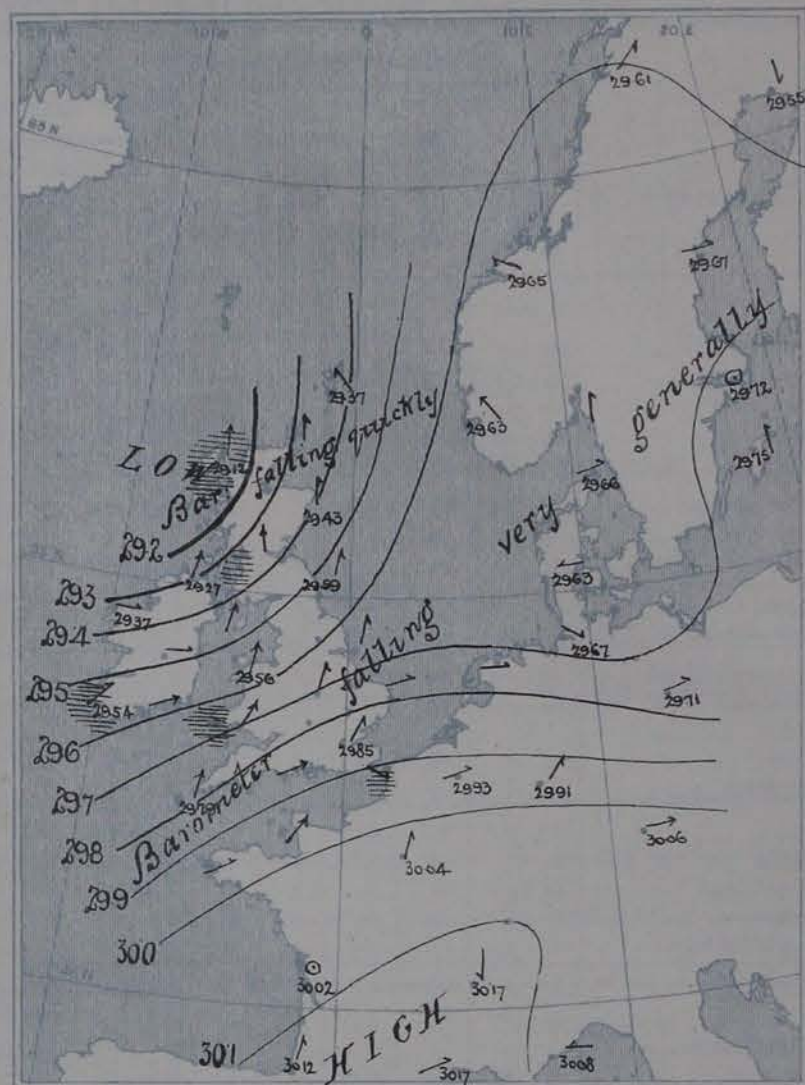
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of September.

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.959
Ardrissen	29.885
Mullaghmore	29.890
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.945
Parsonstown	29.937
Valencia	29.947
Roche's Point	29.946
Pembroke	29.948
Scilly	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.948



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 September.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	55.0	46.1	50.8	40.1	3.32
Stornoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.5	51.0	50.0	2.53
Nairn	59.2	46.5	51.3	48.0	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.07
Leith	61.9	47.5	53.2	50.8	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	55.5	53.8	2.92
York	62.0	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.76
Ardrissen	59.6	49.4	53.5	51.4	3.67
Mullaghmore	60.2	50.0	54.0	51.6	4.05
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.0	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.9	3.30
Parsonstown	61.5	47.4	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	51.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	60.1	53.0	53.1	53.0	3.58
Scilly	61.8	54.7	58.4	56.3	3.44
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	65.4	54.8	60.9	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	66.4	49.6	56.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.66
Cambridge	65.6	48.1	54.6	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.01

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins: and upwards, in an anticyclone lying over Spain and the south of France.

Lowest, 29.2 ins: and less, in a depression lying off the northwest of Scotland.

Gradients rather steep over the whole of the United Kingdom, but slight elsewhere.

Barometer falling in most parts of Western Europe—quickly in Scotland, but fall apparently checked at Valencia (Ireland).

TEMPERATURE

Highest, 63° at Biarritz, 61° at Jersey and Lisieux, and 60° at Rochefort, Scilly, Hunt Castle, Demingess, and Rochefort.

Lowest, (1) 34° at Haparanda, 36° at Helsingfors, 38° at Rode, 40° at Christianaund, and 43° at Stockholm; (2) 45° at Stomoway.

The maxima registered over our Islands yesterday were a little above 65° in the central and southern districts, but below 55° at some of our extreme northern stations.

WIND

S³ or SW³ over the whole of our Islands, light in force on our east coasts, but strong in the west and northwest, with a gale at Stomoway.

SE³ in the west of Norway; variable in Sweden and Denmark.

W³ over Germany and the Netherlands; variable over the southern parts of France.

WEATHER

Fine in the southeast of England, but cloudy or overcast in all other parts of the United Kingdom, with rain at several of our western and northern stations.

Fine at many of the Continental stations, but rainy in the west of Norway as well as at Berlin and Munich.

In the course of the past 24 hours rain has fallen in many parts of Western Europe. Thunderstorms were experienced yesterday on our east and southeast coasts, and lunar halos were seen in the south of England.

SEA

Rough at Stomoway and Pembroke, and rather rough at Valencia (Ireland) and Cape Fin Key, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the northwest of Scotland seems likely to occasion a considerable increase of wind on our northern coasts. The system will probably travel northwards, but there are some indications of the formation of secondary disturbances over our western coasts, and rain is therefore likely in most districts.

FORECASTS

For the 24 hours ending at NOON on 29th SEPT. 1893.

DISTRICTS.

FORECASTS.

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

S² winds, increasing in force; squally, some rain.

Same as No 5

S² and SW² winds, freshening considerably; squally, some rain.

DISTRICTS.

FORECASTS.

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

Same as Nos 0 and 1.

SW² winds, strong; squally, showery.

WARNINGS

At 9.50 am to districts 0, 1, and 6 "Hoist South Cone".

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.79	56	45	SE	1	c	2	Valencia ...	29.92	60	56	WNW	5	cm	5
Sumburgh Head ...	29.57	48	46	SE	2	o	4	Scilly ...	29.95	61	57	WNW	4	cp	3
Stornoway ...	29.52	52	55	W	4	bc	4	Jersey ...	29.94	63	61	SW	5	o	4
Aberdeen ...	29.61	50	49	W	2	o	4	Hurst Castle ...	29.84	64	61	W	2	cp	4
Shields ...	29.66	57	55	W	0	o	3	Dungeness ...	29.78	65	62	W	4	bc	3
Ardrossan ...	29.66	56	54	SW	2	c	2	North Foreland ...	29.77	65	59	W	2	bc	3
Malin Head ...	29.67	53	51	W	5	bc	4	London (Westminster) ...	29.78	66	60	W	2	o	*
Mullaghmore ...								Yarmouth ...	29.72	63	58	WNW	3	cm	3
Belmullet ...	29.78	57	53	W	4	bc	*	Rochefort ...	30.25	64	60	W	4	o	*
Holyhead ...	29.78	52	53	W	3	bc	3								

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

Weather cloudy over the greater part of Western Europe, with rain in many parts of our Islands, as well as in the west of Norway, and at one or two of the French and German stations. Fine and bright over Sweden, Denmark, and the Baltic, as well as in Spain and the south of France, dull over Italy, Austria, and the central and southern parts of Russia with rain at Odessa and Nicolaiiff. Rain falling later in many parts of France and Germany; thunderstorms occurring in the east and southeast of England, as well as at the Helix; lunar halo seen at several of our southern stations.

Temperature risen generally but fallen in eastern Germany, Italy, and Algeria. Morning readings highest 77° at Brindisi and Malta, 73° at Algiers, and 72° at Palermo and Constantinople; above 60° in most parts of southern Europe, as well as at some of the Channel stations. Lowest (1) 30° at Haparanda, 35° at Uleaborg, and 38° at Riga and Moscow; (2) 43° at Narvik, and 45° at Lumburgh 11th. Rising during day to between 65° and 67° over the central and southern parts of England, and exceeding 70° in the south of France.

Wind light to moderate from the W^{ind} over the west and south of our Islands and the greater part of France, and from the S^{outh} over our north and northeast coasts, as well as in Germany. SW^{ind} or W^{ind} in the west of Norway. NW^{ind} over Denmark, Sweden, and the south of Norway. Variable in Austria and the south of Russia, as well as in the south of France; SW^{ind} in Italy, NE^{ind} over the Spanish Peninsula. Subsequently backing to the SW^{ind} in the west of Ireland; no important change occurring elsewhere.

Barometer highest 30.2 ins. and upwards over Spain and the southwestern parts of France; 30.1 ins. and upwards over nearly the whole of Central and southwestern Europe. Lowest 29.5 ins. and less, in a depression over Lapland and Finland; 29.6 ins. and less, in another disturbance off the north of Scotland, 29.7 ins. and less, in a shallow secondary system off the northeast of England. No important change occurring during day, but barometer falling in most parts of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on FRIDAY, 29TH SEPTEMBER, 1893

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

STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
		Barom.	Temp.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (0 to 9).	Weather.	Shade Temp.		Amount of Rainfall.		
				Force (0 to 12).	Dir.		Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).			Max.	Min.			
		Inch.	°				Inch.	°	°	°						°	Inch.			
SCANDINAVIA.	Haparanda ...	29.71	35	SE	0	c	29.80	+0.09	40	56	+16	2	0	c	#	0	48	28	0.04	
	Hernösand ...	29.75	31	SE	0	b	29.77	+0.02	35	54	-1	2	0	b	#	0	50	30	—	
	Stockholm ...	29.78	41	SE	0	b	29.83	+0.05	44	42	+1	2	0	b	#	0	52	36	—	
	Wisby ...	29.82	42	SW	4	b	29.86	+0.04	42	41	-1	2	2	b	#	0	50	37	—	
	Bodö ...	29.66	58	E	2	c	29.60	-0.06	58	54	0	ENE	4	b	2	c	41	34	0.20	
	Christiansund...	29.53	48	ESE	2	b	29.25	-0.28	49	44	+5	ESE	4	0	2	b	2	40	—	
	Skudesnaes ...	29.49	54	SSE	0	0	29.14	-0.35	54	53	+1	SE	0	T	4	T.O	2	48	—	
	Christiania Fjord (Farler)	29.72	49	SW	2	c	29.52	-0.20	45	47	0	ESE	0	T	4	c	55	41	—	
	Skagen (The Scaw)	29.36	48	SW	2	c	29.52	-0.16	51	50	+1	S	7	0	2	c	52	45	—	
	Fanö ...	29.67	50	SE	4	c	29.46	-0.21	53	52	+1	SSE	7	0	#	c	54	46	—	
BRITISH ISLANDS.	Sumburgh Head	29.11	51	SSE	2	T	29.82	-0.29	51	50	0	ESE	1	0	4	T	54	49	0.26	
	Stornoway ...	29.05	53	SW	2	0	29.65	-0.40	51	51	+6	S	2	T	6	0	53	45	0.20	
	Wick ...	29.12	53	SW	1	c	29.77	-0.65	53	52	0	SW	0	c	3	T.C	58	47	0.10	
	Nairn ...	29.12	52	SW	1	b	29.76	-0.64	49	47	-2	SW	1	c	3	T	60	44	0.15	
	Aberdeen ...	29.18	54	SW	2	b	29.81	-0.63	52	49	+3	S	3	b	4	0.08	56	49	0.11	
	Leith ...	29.21	53	W	2	c	29.89	-0.68	53	50	+3	SW	2	b	#	c	64	48	0.52	
	Shields ...	29.30	58	SW	4	0	29.04	-0.26	58	49	+9	SW	0	c	2	f.c.T.O	60	50	0.13	
	Spurn Head ...	29.44	57	S	5	c	29.20	-0.24	57	53	+4	SW	5	b	4	q.f	58	52	0.14	
	York ...	29.42	59	SSE	4	0	29.16	-0.26	53	51	+2	S	2	b	#	0	59	50	0.07	
	Loughborough	29.50	59	SW	4	0	29.27	-0.23	58	50	0	WNW	2	b	#	0.1	60	51	0.28	
BRITISH ISLANDS.	Ardrossan ...	29.17	56	S	2	0	29.88	-0.71	55	52	0	SW	6	c.f	5	c.o	59	52	0.01	
	Malin Head ...	29.13	58	SW	4	b	29.70	-0.43	58	48	-10	SW	6	0.9	4	c.b	59	48	0.13	
	Mullaghmore ...	29.15	56	SW	2	0	29.91	-0.24	55	51	-4	SW	5	0	#	Scp.o	59	51	0.10	
	Belmullet ...	29.24	55	SW	4	0	29.95	-0.29	52	53	-1	SW	6	b	4	0	63	49	0.05	
	Donaghadee ...	29.17	56	S	2	0	29.88	-0.71	55	52	0	SW	6	c.f	5	c.o	59	52	0.01	
	Liverpool (Bidston)	29.56	55	S	2	T	29.13	-0.43	55	51	-4	SW	4	c	3	T	61	53	0.21	
	Holyhead ...	29.28	56	WNW	2	Tgm	29.11	-0.17	56	52	-4	WNW	5	b.g	5	mg.Tgm	59	54	0.41	
	Parsonstown ...	29.28	58	WNW	1	b	29.06	-0.22	51	49	-2	S	1	c.T	#	Sc.b.g	61	47	0.23	
	Valencia ...	29.32	53	SW	5	0.9	29.15	-0.17	52	51	-1	SW	6	omp	5	omp	62	51	0.18	
	Roche's Point	29.35	58	W	4	c	29.20	-0.15	56	53	-3	WNW	5	b	4	c.b.g	63	53	0.06	
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.43	59	WNW	5	T	29.22	-0.21	58	57	-1	W	7	b	7	T	59	56	0.43	
	Scilly ...	29.53	61	SW	6	0	29.39	-0.14	57	54	-3	W	7	c.g	5	0	62	56	0.46	
	Prawle Point ...	29.61	58	SW	5	T	29.40	-0.21	57	55	-2	SW	6	b	4	0.1	59	53	0.21	
	Jersey (St. Aubin's)	29.76	64	SW	5	0.9	29.50	-0.26	61	58	0	WNW	7	b	6	c.o.g	65	57	0.72	
	Hurst Castle ...	29.66	61	SW	7	c.g	29.42	-0.24	58	54	-4	WNW	6	b	5	p.c.g	63	54	0.36	
	Dungeness ...	29.72	61	SW	6	T	29.38	-0.34	59	58	-1	WNW	6	0	6	c.T.g	64	55	0.55	
	North Foreland	29.71	59	SW	5	T	29.37	-0.34	58	56	+2	WNW	3	0.9	3	0.9	62	57	0.68	
	London ...	29.64	59	SW	5	0.9	29.36	-0.28	58	54	-4	SW	3	b	#	0.9	62	52	0.12	
	Oxford ...	29.50	59	SW	5	0	29.22	-0.28	58	52	+6	SW	4	b	#	0.9	60	54	0.12	
	Cambridge ...	29.59	59	SSE	6	0	29.32	-0.27	57	53	+4	S	6	b	#	0	60	53	0.10	
GERMANY & HOLLAND.	Yarmouth ...	29.64	58	SW	4	c.f	29.32	-0.32	57	56	+1	SW	5	0	4	c.c.f	60	50	0.11	
	Cuxhaven ...	29.82	54	WNW	2	T	29.61	-0.21	55	54	-1	S	4	0	#	T	57	53	0.12	
	Berlin ...	29.85	52	WNW	3	b	29.82	+0.03	50	49	-1	SSE	2	0	#	b	61	47	0.21	
	Wiesbaden ...	29.80	51	SW	3	b	29.80	0	54	53	-1	2	0	0	#	#	64	52	—	
	Munich ...	29.79	57	SW	1	b	29.81	+0.02	53	49	-4	S	2	0	#	b	63	45	—	
	The Helder ...	29.73	58	SW	5	T	29.42	-0.31	59	58	-1	SW	7	T	4	T	59	53	0.12	
	Brussels (9 a.m.)	29.58	55	SW	5	0	29.58	0	62	59	+3	WNW	6	c	0	0	63	53	0.04	
	Cape Gris Nez	29.71	59	SW	5	0	29.48	-0.23	56	53	-3	SW	6	T	6	0	63	54	0.75	
	Paris ...	29.94	61	S	2	0	29.64	-0.30	62	59	+3	S	5	b	#	0	67	51	—	
	Brest ...	29.84	61	SW	4	b	29.59	-0.25	59	55	-4	W	4	c	4	0	63	54	0.83	
FRANCE AND BELGIUM.	Lorient ...	29.84	63	SW	5	0	29.59	-0.25	59	57	-2	SW	6	c	5	0	64	55	0.16	
	Rochefort ...	29.91	64	SW	4	0	29.72	-0.19	64	63	+1	SW	5	0	#	0	70	60	—	
	Belfort ...	29.84	62	S	1	b	29.83	-0.01	57	54	+3	S	1	b	#	b	71	53	—	
	Lyons ...	29.82	60	SW	1	b	29.80	-0.02	56	57	0	E	2	b	#	b	70	52	—	
	Nice ...	29.84	63	SW	5	b	29.94	+0.10	54	53	-1	SW	1	b	#	b	70	51	—	
	Perpignan ...	29.82	69	ENE	2	b	29.8	-0.02	66	56	+10	SW	4	b	3	b	73	61	—	
	Biarritz ...	29.82	69	ENE	2	b	29.8	-0.02	66	56	+10	SW	4	b	3	b	73	61	—	
	Corunna ...	29.82	65	WNW	4	b	29.86	+0.04	63	60	+3	N	4	b	#	b	75	59	—	
	Lisbon ...	29.82	65	WNW	4	b	29.86	+0.04	63	60	+3	N	4	b	#	b	75	59	—	
	Peninsular	29.82	65	WNW	4	b	29.86	+0.04	63	60	+3	N	4	b	#	b	75	59	—	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Friday, 29th Sept: 1893.

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 3 to 4;

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

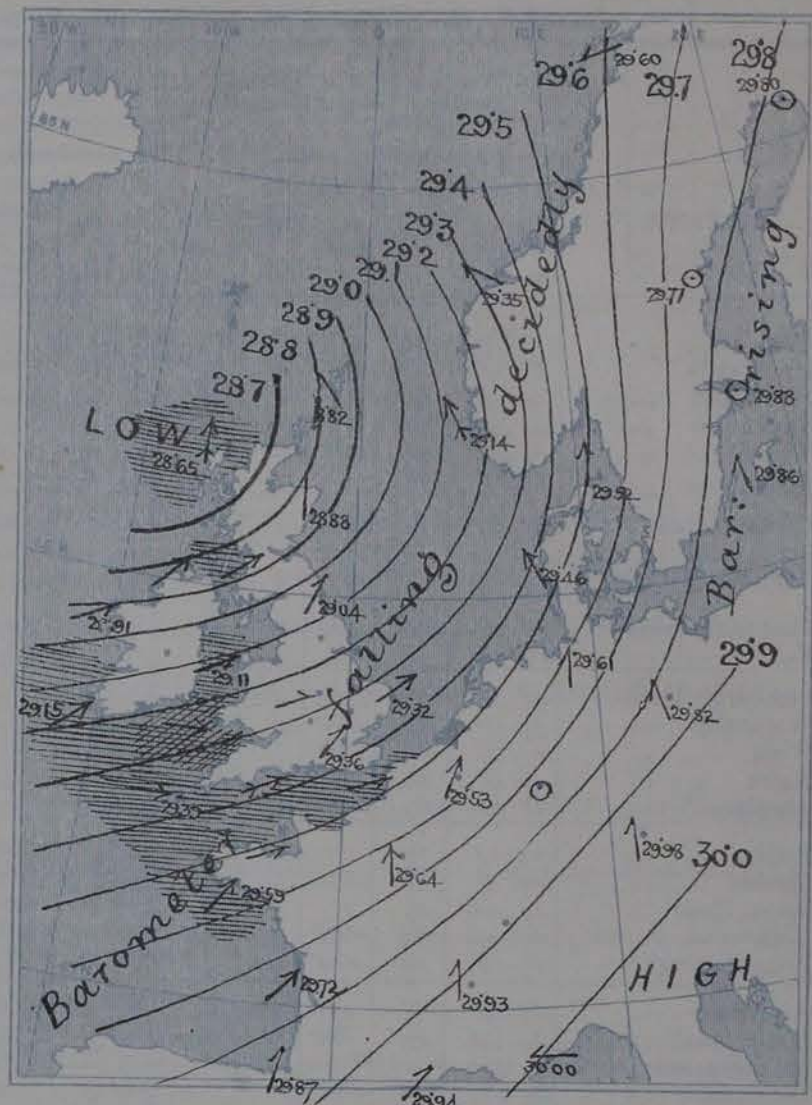
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.797
Stornoway	29.815
Wick	29.829
Nairn	29.843
Aberdeen	29.858
Leith	29.881
Shields	29.903
Spurn Head	29.929
York	29.939
Loughborough	29.950
Ardrossan	29.885
Mullaghmore	29.800
Donaghadee	29.905
Holyhead	29.929
Liverpool	29.935
Parsonstown	29.937
Valencia	29.947
Rock's Point	29.946
Pembroke	29.948
Silly	29.971
Prawle Point	29.998
Jersey	29.988
Hurst Castle	29.991
Dover	29.970
LONDON	29.978
Oxford	29.971
Cambridge	29.965
Yarmouth	29.918



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.

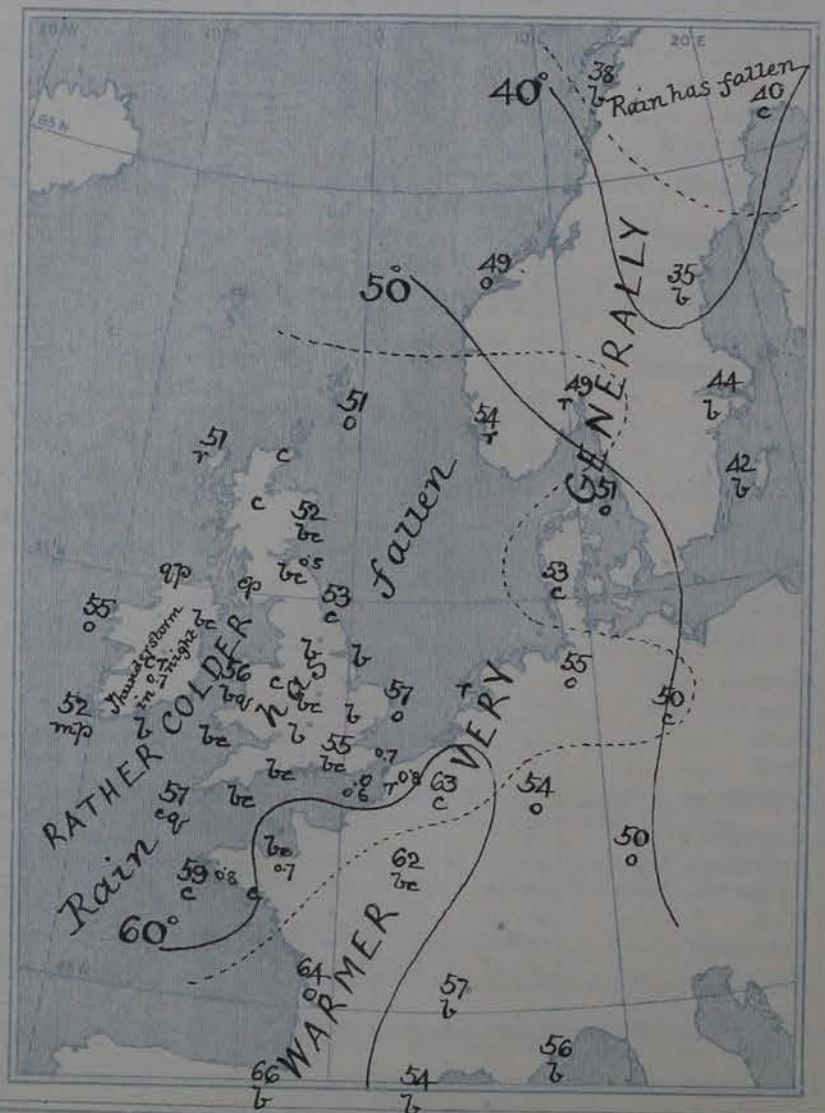
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Day	Night	
Sumburgh Head	55.0	46.1	50.8	49.1	3.32
Stornoway	56.3	45.8	51.4	50.1	4.10
Wick	57.7	45.5	51.0	50.0	2.53
Nairn	59.2	46.5	51.3	48.0	2.58
Aberdeen	59.2	46.7	52.1	49.7	2.07
Leith	61.9	47.6	53.2	50.3	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	55.5	53.8	2.02
York	62.9	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.76
Ardrossan	59.6	49.4	53.5	51.4	3.07
Mullaghmore	60.2	50.9	54.0	51.6	4.95
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.6	55.7	53.5	3.23
Liverpool	61.2	50.8	54.5	51.8	3.30
Parsonstown	61.5	47.4	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Rock's Point	61.7	51.0	55.5	53.4	4.08
Pembroke	60.1	53.0	56.1	53.8	3.58
Silly	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	65.4	54.8	59.9	57.0	3.05
Hurst Castle	64.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	66.4	49.6	55.8	53.6	2.35
Oxford	64.0	48.9	54.0	52.1	2.68
Cambridge	65.6	48.1	54.0	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.91

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 35 years 1858-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins: and upwards over the southern part of the Spanish Peninsula; 29.8 ins: and upwards in Sweden.
 Lowest, 28.7 ins: and less, in a depression lying off the northwest of Scotland.

Gradients steep over the greater part of Northwestern Europe.

Barometer falling generally - most in Scotland, - but rising in Sweden.

TEMPERATURE

Highest, 66° at Biarritz, 64° at Rochefort, 63° at Lisbon and Brussels, 62° at Paris, and 61° at Jersey.

Lowest, 35° at Hamösand, 38° at Bodø, 40° at Haparanda, 42° at Mielby, 44° at Stockholm, and 49° at Christiansund and Tveder.

The highest maxima registered over our Islands yesterday were 65° at Jersey, and 64° at Leith and Demingens.

WIND

SW^{ly} over our Islands, the Netherlands, and the greater part of France; light in force on our northeast coasts, but fresh or strong elsewhere, with a gale in the Hebrides.

Strong to a gale from the SE^{ly} on the eastern shores of the North Sea, but calm in Sweden.

WEATHER

Fine at present in most parts of Great Britain, as well as in Sweden and the central and southern parts of France.

Cloudy and showery in Ireland and the west of Scotland; rainy in the south of Norway; dull in the east of France.

In the course of the past 24 hours rain has fallen over the whole of our Islands, the Netherlands and the north of France, the largest amounts being 0.8 inch at Cape Fin Høy and Brest, and 0.7 inch at Carlskrona and Jersey. Thunder and lightning occurred last night in many parts of Ireland.

SEA

High at Pembroke, and rough or rather so on all but our east coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the northwest of Scotland will probably move northwards. There are at present no indications of the advance of any fresh disturbances, but the general appearance is exceedingly unsettled.

FORECASTS

For the 24 hours ending at NOON on 30th SEPT 1893.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S ^{ly} winds, increasing in force; squally, showery.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S ^{ly} and SW ^{ly} winds, fresh; gusty, some showers.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	SW ^{ly} winds, strong on coast; squally, some showers.
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	SW ^{ly} and W ^{ly} winds, strong; squally, showery
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

The SOUTH CONE is still flying in districts 0.1. and 6.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.54	52	49	SE	6	T	2	Valencia ...	29.45	59	57	SW	4	mp	4
Sumburgh Head ...	29.20	51	51	SE	3	T	5	Scilly ...	29.6	62	60	SW	5	o	5
Stornoway ...	29.12	59	54	W	5	0	5	Jersey ...	29.86	64	60	SW	4	o	4
Aberdeen ...	29.24	53	53	SW	5	og	5	Hurst Castle ...	29.77	60	57	SW	7	T	5
Shide ...	29.37	59	54	SW	4	C	2	Dungeness ...	29.79	62	60	SW	5	C	4
Ardrossan ...	29.27	59	56	S	2	C	2	North Foreland ...	29.80	62	56	SW	5	og	4
Malin Head ...	29.24	57	52	WNW	4	C	4	London ...	29.75	62	55	SW	4	og	5
Mullaghmore ...								Yarmouth ...	29.78	60	56	SW	4	C	5
Behnullet ...	29.29	59	54	SW	4	og	*	Rochefort ...	29.99	67	65	WNW	5	o	*
Holyhead ...	29.42	59	59	SW	6	mg	5								

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

Weather dull in the more western and northern parts of the United Kingdom, with rain in many places. Fine in the southeast of England as well as over Sweden, Denmark, the Baltic, and the greater part of France, Spain and Italy; dull at most of the Russian and Austrian stations, raining in the west of Norway. Rain falling later over the whole of our Islands, as well as in the Netherlands and the north of France, - amounts large at some of our southwestern and southern stations. Thunder and lightning occurring over Ireland at night.

Temperature risen in Ireland as well as in most parts of Central Europe, fallen elsewhere. Morning readings highest 76° at Malta, 75° at Brindisi, 73° at Algiers and 70° at Sfax, reaching 60° or more on our extreme south and southeast coasts. Lowest 34° at Haparanda, 35° at Riga, 36° at Helsingfors, and 37° at Stockholm; below 40° over the northern part of Russia and Scandinavia generally. Rising during day to between 60° and 65° in many parts of the United Kingdom. Exceeding 70° in the west and south of France.

Wind S³ or SW³ over the whole of our Islands, fresh or strong in force in the west and northwest, with a gale at Stornoway. SW¹ or W² over the Netherlands, Germany, and Austria, and the northern part of Russia, variable in Sweden and Denmark; SE³ in the west of Norway. NW³ in Italy; variable in Spain and the south of France. Subsequently increasing to a moderate or fresh gale from the SW² at some of the Channel stations.

Barometer highest 30.2 in: and upwards over Spain and the western part of the Mediterranean; 30.0 in: and upwards over the more southern parts of Europe. Lowest 29.2 in: and less, in a depression lying off the northwest of Scotland; gradient rather steep over our Islands. Depression subsequently spreading eastwards and southwards, and barometer falling in all parts of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 30th September, 1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.	TEMP.	WIND.			BAROMETER.	SHADE TEMP.	WIND.									SHADE TEMP.		
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Sea (0 to 9).		Weather.	Max.	Min.	Amount of Rainfall.
	Inch.	°				Inch.		°	°								°		Inch.
SCANDINAVIA.	Haparanda ...	28.83	41	S	2	0	29.77	-03	43	41	+3	S	4	0	#	0	43	32	-
	Hernösand ...	29.67	47	S	4	0	29.41	-36	49	47	+14	SE	8	0	#	0	50	30	0.51
	Stockholm ...	29.69	50	SSE	2	0	?	?	52	51	+8	SW	2	0	#	0	54	36	0.24
	Wisby ...	29.74	48	SSE	4	b	29.64	-22	53	53	+11	SSW	4	0	#	0	55	36	0.16
	Bodö ...	29.41	45	ESE	7	b	29.35	-25	48	43	+10	ESE	4	1	2	0	?	34	-
	Christiansund...	29.08	53	ESE	2	c	29.15	-10	51	46	+2	ESE	2	bc	2	bc	54	48	-
	Skudesnaes ...	29.16	55	SSW	8	0	29.20	+06	55	53	+1	S	8	1	5	0	55	52	-
	Christiania Fjord (Færd)	29.25	55	SSE	6	r	29.40	-12	54	53	+5	SSW	5	0	4	1	55	48	1.30
	Skagen (The Scaw)	29.29	54	SSW	5	0	29.44	-08	54	53	+3	SW	5	0	2	0	55	50	0.63
	Fanö ...	29.42	54	SW	4	b	29.44	-02	55	54	+2	S	4	c	#	1.6	57	53	0.47
BRITISH ISLANDS.	Sumburgh Head	28.75	51	SSE	2	0	28.91	+09	50	49	-1	2	0	b	4	0	55	47	-
	Stornoway ...	28.68	51	SW	4	r	28.73	+08	50	50	-1	SW	5	r	5	c.o.r	55	46	0.25
	Wick ...	28.76	54	W	3	bc	28.88	+11	53	52	0	SW	3	c	1	bc	57	47	0.02
	Nairn ...	28.78	50	W	0	c	28.85	+09	53	48	+4	SW	2	bc	1	c	58	44	0.02
	Aberdeen ...	28.90	51	SSW	6	cq.	28.98	+10	52	48	0	S	3	bc	4	cq.p	57	47	0.02
	Leith ...	28.94	49	W	3	bc	29.00	+11	53	49	-2	SSW	2	c	#	bc	61	47	0.13
	Shields ...	29.06	54	SSW	4	p	29.09	+05	49	47	-4	SSW	2	c	2	p	61	48	0.14
	Spurn Head ...	29.21	56	SW	4	c	29.20	-00	52	50	-5	S	4	0	4	bc.p	62	50	-
	York ...	29.15	56	S	3	b	29.17	+01	48	47	-5	S	3	b	#	b	62	46	-
	Loughborough	29.26	56	SW	4	bc	29.22	-05	50	48	-3	SSW	3	bcw	#	bc	65	46	0.01
GERMANY & HOLLAND.	Ardrossan ...	28.91	55	SW	4	bc.p	28.98	+10	53	52	-2	SSW	4	cp	3	c.p.p.	56	49	0.36
	Malin Head ...	28.86	52	SW	6	op	28.94	+19	52	49	+2	W	6	bc.p	4	op	55	49	0.30
	Mullagmore ...	28.97	55	SSW	4	cp	29.11	-20	51	49	-4	W	3	c	#	cp	57	49	0.17
	Belmullet ...	29.00	52	SW	4	bc	29.06	+11	48	47	-4	SSW	3	bc	1	bc	60	46	0.01
	Donaghadee ...	29.00	52	SW	4	bc	29.06	+11	48	47	-4	SSW	3	bc	1	bc	60	46	0.01
	Liverpool (Bidston)	29.14	55	SSW	3	c	29.15	-00	51	50	-2	SW	2	b	2	c	60	47	0.15
	Holyhead ...	29.10	55	SW	6	c.m.p	29.14	+03	55	52	-1	SSW	3	b	3	c	60	49	0.14
	Parsonstown ...	29.16	50	SSW	1	0	29.16	+10	48	47	-3	W	0	0	#	0	57	46	0.19
	Valencia ...	29.12	53	SW	4	op	29.28	+13	55	52	+3	W	4	bc.p.m	5	c.op	57	48	0.53
	Roche's Point	29.07	54	SSW	4	c	29.22	+02	53	50	-3	W	4	b	4	c.p.g	59	49	0.05
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.20	57	SW	6	c	29.23	+01	56	51	-2	SSW	5	bc.g	6	c	59	52	0.16
	Scilly ...	29.32	55	W	6	c.g	29.32	-07	57	53	0	SSW	5	bc	5	cp.g	52	53	0.12
	Prawle Point ...	29.38	56	SSW	6	c	29.32	-08	55	52	-2	SSW	5	bc	4	cp	60	50	0.15
	Jersey (St. Aubin's)	29.51	61	SW	7	op	29.37	-13	59	55	-2	SW	7	cp	6	c.op	65	55	0.25
	Hurst Castle ...	29.40	60	SW	8	c.g	29.30	-12	56	54	-2	SSW	5	bc.p	5	cp.g	62	54	0.07
	Dungeness ...	29.42	61	SSW	7	0	29.31	-07	54	54	-5	SSW	4	r	3	c.o.r	64	53	0.74
	North Foreland	29.43	58	SW	5	0	29.31	-06	53	51	-5	SSW	2	g.t	3	bc.g.p	64	51	0.78
	London ...	29.38	58	SSW	5	c	29.29	-07	54	53	-1	SW	1	0	#	bc.p.or	66	51	0.12
	Oxford ...	29.33	53	SW	3	bc	29.26	-06	51	49	-5	S	3	c	#	c.g.p	62	48	0.23
	Cambridge ...	29.33	53	SSE	4	0	29.27	-05	53	51	-4	SSE	3	0	#	0	66	49	0.11
PENINSULA.	Yarmouth ...	29.35	58	SW	4	b	29.29	-03	54	53	-3	SW	4	r	4	bc.b	64	51	0.05
	Cuxhaven ...	29.52	52	SW	3	bc	29.57	-04	51	50	-4	S	3	c	#	bc	64	50	0.16
	Berlin ...	29.69	59	SSW	3	0	29.70	-12	60	57	+10	SSE	2	0	#	0	66	50	0.08
	Wiesbaden ...	?	?	?	?	?	29.66	-14	57	57	+3	W	0	0	#	#	64	50	0.32
	Munich ...	29.87	54	SW	4	b	29.81	-17	50	48	0	S	4	b	#	b	68	45	-
	The Helder ...	29.47	58	SSW	6	b	29.41	-01	55	53	-4	S	4	0	3	b	61	54	0.79
	Brussels (9 a.m.)	?	?	?	?	?	29.46	-07	55	54	-8	S	4	r	#	0	63	54	0.32
	Cape Gris Nez	29.45	59	SSW	6	0	29.35	-08	55	55	-1	S	6	r	6	0	63	54	0.32
	Paris ...	29.65	58	SSW	5	r	29.50	-14	55	54	-7	SSW	3	0	#	0	65	?	0.47
	Brest ...	?	55	SSW	5	r	?	?	55	54	-4	W	4	c	6	r	63	54	0.35
GERMANY & HOLLAND.	Lorient ...	29.57	61	SW	6	0	29.45	-14	59	53	0	W	5	c	4	0	66	52	0.28
	Rochefort ...	29.69	60	SSW	4	r	29.50	-21	60	58	-4	SSW	5	c	#	0.r	?	?	1.74
	Belfort ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
	Lyons ...	29.69	65	SSW	3	b	29.63	-30	65	60	+8	S	5	0	#	b	75	57	-
	Nice ...	29.96	61	SW	1	b	29.91	-09	61	59	+5	E	2	c	2	b	72	56	0.28
	Perpignan ...	29.83	63	SSW	1	c	29.67	-27	65	59	+11	S	3	0	#	c	73	53	-
	Biarritz ...	29.71	69	SSW	5	c	29.71	-16	61	58	-5	SSW	5	r	6	c	77	57	0.63
	Corunna ...	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
	Lisbon ...	29.99	65	W	3	c	29.99	-07	64	59	+1	SSW	3	0	#	c	74	61	-

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 30th Sept. 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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— forces 5 to 7; — forces 1 to 4.

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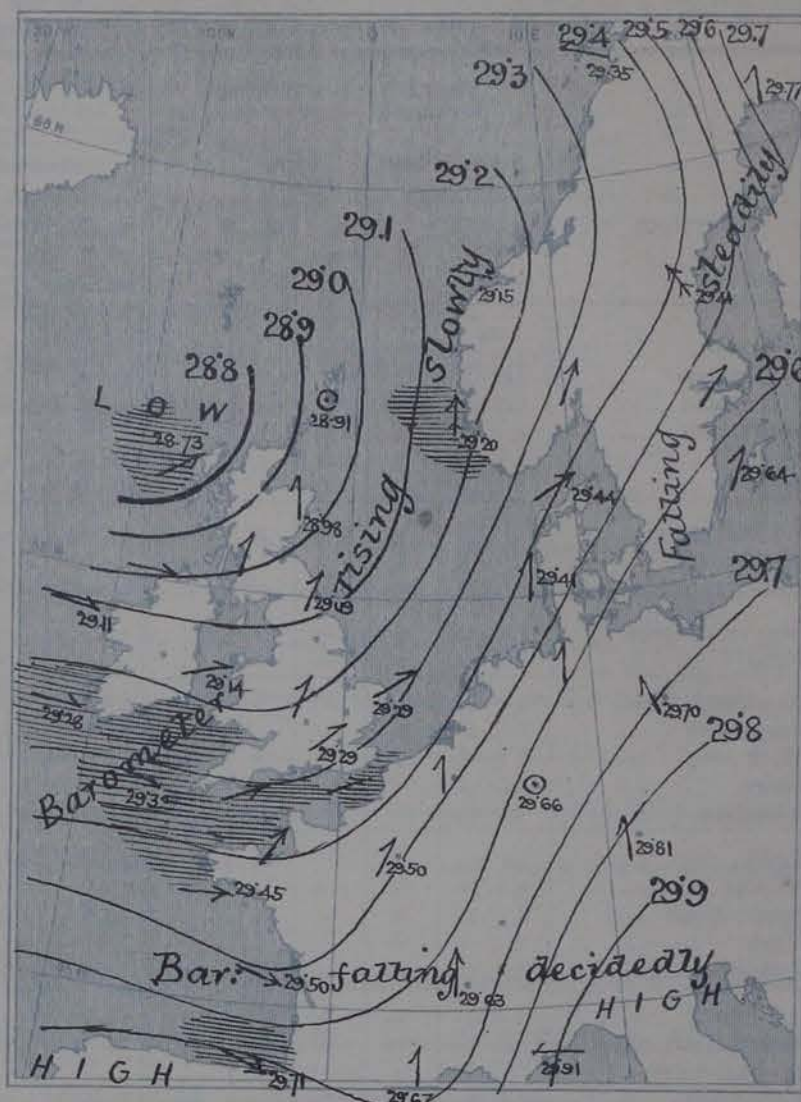
— = Rough. — = High.

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

During the 20 Years 1871—1890.

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Roche's Point	29.940
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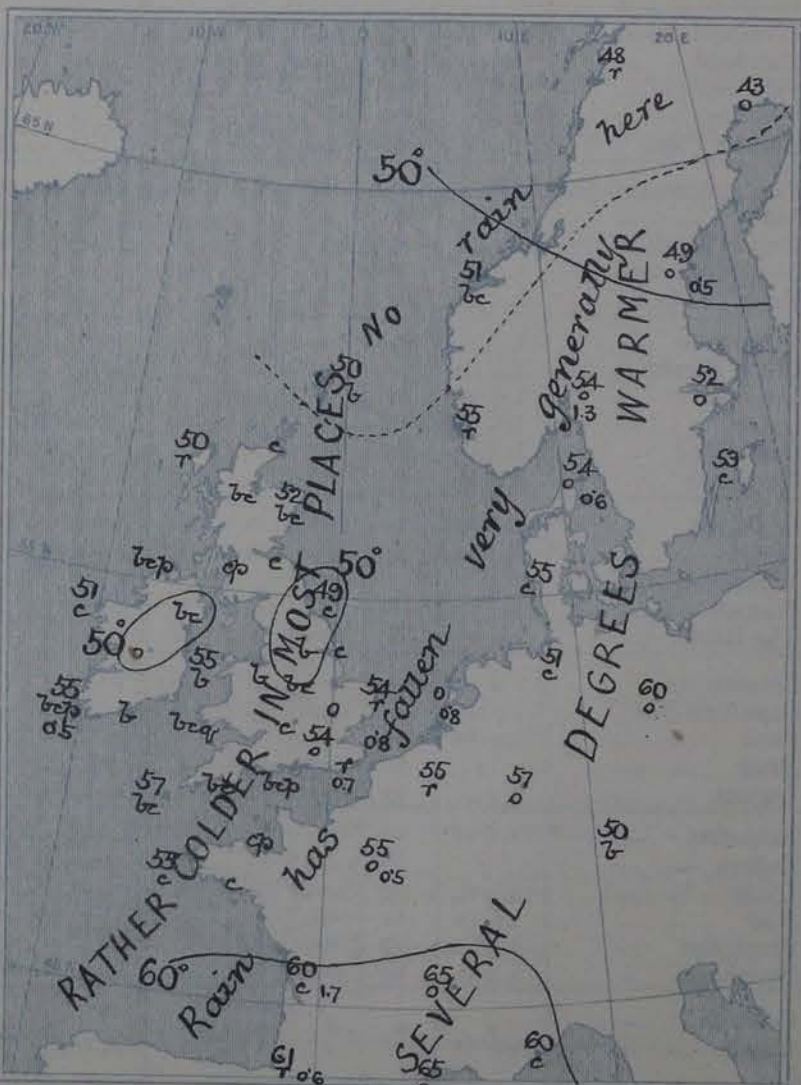
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(For the month of September.)

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Nairn	59.2	46.5	51.3	48.0	2.38
Aberdeen	59.2	46.7	52.1	49.7	2.07
Leith	61.9	47.5	53.2	50.8	2.34
Shields	59.8	48.8	53.1	51.0	2.50
Spurn Head	60.4	52.7	55.5	53.8	2.02
York	62.9	47.7	52.9	51.1	2.70
Loughborough	65.0	47.8	54.0	52.2	2.70
Ardrossan	59.6	49.4	53.5	51.4	3.67
Mullaghmore	60.2	50.9	54.0	51.6	4.05
Donaghadee	59.6	49.2	53.5	52.3	3.04
Holyhead	60.7	52.0	55.7	53.3	3.23
Liverpool	61.2	50.8	54.5	51.9	3.30
Parsonstown	61.5	47.4	53.0	51.1	3.16
Valencia	61.8	51.5	56.5	54.2	4.53
Roche's Point	61.7	51.0	55.5	53.4	4.06
Pembroke	60.1	53.0	56.1	53.9	3.59
Sally	61.8	54.7	58.4	56.3	3.41
Prawle Point	62.4	52.2	57.0	55.2	2.46
Jersey	65.4	54.8	59.9	57.0	2.05
Hurst Castle	64.3	52.1	57.1	55.7	3.01
Dover	63.4	52.9	57.7	55.2	2.64
LONDON	66.4	49.6	55.8	53.5	2.35
Oxford	64.0	48.9	54.0	52.1	2.00
Cambridge	65.6	48.1	54.6	53.0	2.26
Yarmouth	62.1	51.4	56.3	54.4	2.91

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.9 in: and upwards in the southeast of France; 29.7 in: and upwards, in the north of Sweden.

Lowest, 28.8 in: and less, in a depression lying off the northwest of Scotland.

Gradients moderate. Barometer rising in nearly all parts of the United Kingdom, as well as on the eastern shores of the North Sea, but falling in Sweden, Germany and France.

TEMPERATURE

Highest, 65° at Lyons and Perpignan, 61° at Biarritz, 60° at Berlin and Rochefort, and 59° at Jersey and Lorient.

Lowest, (1) 43° at Haparanda, 48° at Rode, and 49° at Hanö; (2) 48° at York, Donaghadee and Portmarnock, and 49° at Shields.

In the course of yesterday the thermometer rose to between 60° and 65° in many parts of our Islands, and to 66° in London and at Cambridge.

WIND

Moderate to fresh from the W¹ on the west coast of our Islands and France.

Light or strong from the SW² at the Channel stations; light or moderate from the S² in the eastern parts of Great Britain, as well as in Denmark, Germany, the Netherlands, and the central and southern parts of France.

Strong to a gale from the S² in the south of Norway; SE³ in the more northern parts of Scandinavia, with a gale at Helsingfors.

WEATHER

Fine at present in many parts of the United Kingdom, but showery in places, and rainy in the extreme southeast of England.

Dull at most of the Continental stations, with rain at Rode, Skutumpah, Bremen, and Biarritz.

Rain fell yesterday in nearly all parts of Western Europe, the largest amounts being 1.7 in: at Rochefort, 1.3 in: at Lorient, 0.8 in: at the North Foreland, and 0.7 in: at Dungeness. A solar halo was seen at Jersey; lightning occurred at Kelly at night.

SEA

Rough in the Bay of Biscay as well as at Pembroke and Jersey, rather rough on our south coast generally, and also at Skutumpah and Portmarnock.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the northwest of Scotland appears to be almost stationary. Shallow secondary disturbances are passing eastwards across our Islands, and showery weather is likely to continue in most districts.

FORECASTS

For the 24 hours ending at NOON on 1st OCTOBER 1893.

DISTRICTS.

FORECASTS.

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

S² winds, moderate; fair to showery.

SW² winds, moderate; changeable, some showers.

DISTRICTS.

FORECASTS.

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

Same as Nos 3 to 5.

W² to SW² winds, moderate or fresh; unsettled, some showers.

WARNINGS

None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.10	55	53	SSW	8	o	5	Valencia ...	29.13	56	55	SW	5	cgy	6
Stumburgh Head ...	28.77	54	52	SSE	3	c	4	Scilly ...	29.36	60	55	W	6	cp	5
Stornoway ...	28.62	54	52	SW	7	o	6	Jersey ...	29.55	65	57	SW	7	c	6
Aberdeen ...	28.88	54	49	SSW	5	cgy	5	Hurst Castle ...	29.42	60	56	WSW	7	cgy	5
Shields ...	29.03	60	52	SSW	5	c	2	Dungeness ...	29.43	63	60	WSW	7	c	6
Ardrossan ...	28.92	54	53	SW	5	c	4	North Foreland ...	29.39	64	56	SW	5	bc	4
Malin Head ...	28.85	55	51	SW	6	o	4	London ...	29.38	64	56	WSW	5	cgy	4
Mullaghmore ...								Yarmouth ...	29.33	64	55	WSW	5	bc	4
Belmullet ...	28.96	57	54	SW	6	c	4	Rochefort ...	29.71	61	59	WSW	4	o	4
Holyhead ...	29.11	60	55	SW	6	cgy	5								

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

Weather in morning fine in most parts of Great Britain; cloudy and showery in Ireland and the west of Scotland. Fine over Sweden and the Baltic, as well as over Central France, and the greater part of southern and eastern Europe. Dull in Germany, Austria, and the west of France; rain in the south of Norway and also over the Netherlands. Showers falling later in most parts of our Islands; heavy rain setting in at night over France and the extreme southeast of England. Lightning seen at Rilly.

Temperature fallen in the west and south of our Islands, as well as in Russia, Germany, and Austria, risen in most other localities. Morning readings highest 76° at Sofia, 75° at Barcelona, 74° at Algiers, and 73° at Malta, above 65° at most of the Mediterranean stations, and above 55° over the southern parts of England. Lowest 32° at Helsingfors, 33° at Riga, 34° at Uleaborg, and 38° at Rangoon and Krasnodar. Rising during day to between 60° and 65° in many parts of England, and reaching 66° in London and at Cambridge; exceeding 70° over the southern parts of France.

Wind SW^{ly} over our Islands, the Netherlands, and the west and north of France, light in force on our northeast coasts, but fresh or strong elsewhere, with a gale at Stornoway. S^{ly} in Germany; SE^{ly} on the eastern shores of the North Sea, with a gale in the south of Norway; calm or light and variable over Sweden, Russia, and Austria. Light from the N^W or NW^{ly} in Italy, variable in Algeria and the south of France. Subsequently moderating in force on our western coasts, no important change occurring elsewhere.

Barometer highest 30.0 ins. and upwards over the greater part of southern and eastern Europe and the Mediterranean; 29.9 ins. and upwards, over nearly the whole of Russia. Lowest 28.7 ins. and less in a depression lying off the northwest of Scotland; gradients steep over the whole of Northwestern Europe. Depression subsequently moving slowly northwards, small secondary disturbances advancing over various parts of our Islands and France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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" Weekly " " " £1 10 0 "

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS			
DATE.	STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	SHADE TEMP.		Amount of Rainfall.
		Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).					Max.	Min.	
1	Corunna.....	*	*	*	*	*	30.00	+0.01	70	63	+ 4	SSE	2	6	1	*	72	58	-	
-	Lisbon.....	30.01	71	HSW	3	b	30.05	+0.03	71	68	+ 3	SW	2	0	*	b	75	68	-	
2	The Helder.....	30.05	59	SW	1	*	29.94	- 12	61	-	+ 4	NW	5	0	5	r	63	55	0.35	
..	Alyons.....	30.01	69	d	1	0	30.12	+1.13	61	-	- 1	NW	1	c	*	0	76	58	-	
..	Corunna.....	*	*	*	*	*	30.08	+0.08	68	61	- 2	N	2	6	0	*	75	59	-	
4	Corunna.....	*	*	*	*	*	29.80	-	76	65	-	E	1	0	0	*	84	54	0.04	
5	Belfort.....	?	60	NE	3	bc	?	?	60	-	- 1	NE	2	bc	*	bc	73	44	-	
-	Corunna.....	*	*	*	*	*	29.84	+0.04	73	66	- 3	NE	1	c	0	*	84	59	0.32	
6	Corunna.....	*	*	*	*	*	29.97	+1.13	69	67	- 4	NE	1	c	0	*	73	59	0.47	
..	Lisbon.....	29.98	70	SW	3	b	30.06	+1.15	68	67	- 4	NNE	2	0	*	b	77	64	-	
7	Corunna.....	*	*	*	*	*	30.14	+1.17	67	65	- 2	S	2	bc	1	*	72	57	-	
8	Belfort.....	?	67	W	5	0	?	-	67	-	- 4	W	5	0	*	0	78	59	-	
9	Corunna.....	*	*	*	*	*	30.13	-	68	61	-	NW	1	6	4	*	75	54	-	
11	Corunna.....	*	*	*	*	*	29.71	-	69	63	-	S	4	c	6	*	73	57	0.04	
12	Bodo.....	29.88	41	W	4	bc	29.82	+0.06	39	36	- 2	NE	2	6	1	bc	41	32	0.04	
..	Corunna.....	*	*	*	*	*	29.95	+2.24	64	62	- 5	NW	4	m	5	*	72	54	0.28	
13	Corunna.....	*	*	*	*	*	30.12	+1.17	65	62	+ 1	N	6	0	4	*	66	59	0.04	
14	Corunna.....	*	*	*	*	*	30.04	-0.08	71	63	+ 6	NE	6	6	4	*	72	61	-	
15	Belfort.....	?	61	W	3	bc	?	-	62	-	0	NE	3	bc	*	bc	69	52	-	
..	Corunna.....	*	*	*	*	*	30.00	-0.04	66	-	- 5	S	4	tl	4	*	77	57	0.16	
18	Belfort.....	?	62	W	3	r	?	-	60	-	-	W	3	0	*	r	74	50	0.20	
..	Corunna.....	*	*	*	*	*	29.95	+0.02	62	60	- 3	NW	2	0	4	*	68	55	0.39	
19	Corunna.....	*	*	*	*	*	29.84	-1.11	61	58	- 1	SSE	2	m	5	*	64	50	-	
..	Sumburghd 2pm	-	-	-	-	-	28.81	-	53	48	-	W	4	b	4	-	-	-	-	
20	Corunna.....	*	*	*	*	*	29.84	-0.06	65	53	+ 4	HSW	5	0	6	*	66	57	0.16	
21	Belfort.....	?	60	W	3	0	?	-	58	-	- 3	W	4	0	*	0	65	47	0.12	
22	Belfort.....	?	60	HSW	2	r	?	-	51	-	- 7	HSW	2	r	*	r	63	50	0.16	
..	Alyons.....	29.81	60	HSW	2	0	29.89	+0.08	57	50	0	HSW	2	0	*	0	71	54	0.16	
..	Lisbon.....	30.07	64	NW	3	0	30.02	-0.07	64	61	- 2	S	2	0	*	0	72	61	-	
24	Corunna.....	*	*	*	*	*	29.75	-	61	55	-	NE	3	0	4	*	61	46	0.20	
26	Corunna.....	*	*	*	*	*	30.23	-	61	55	-	NNE	1	0	2	*	63	48	-	
27	Corunna.....	*	*	*	*	*	30.19	-0.04	60	55	- 1	ENE	4	0	2	*	61	48	-	
28	Corunna.....	*	*	*	*	*	30.11	-0.08	66	62	+ 6	SW	3	bc	2	*	70	55	-	
29	Belfort.....	?	54	SSW	3	c	?	-	57	55	-	SSW	2	c	*	c	64	43	-	
..	Corunna.....	*	*	*	*	*	29.85	-2.26	61	59	- 5	SW	4	0	5	*	70	55	0.08	
30	Corunna.....	*	*	*	*	*	29.78	-0.07	61	-	0	SW	4	0	4	*	66	52	0.20	

2. CORRECTIONS.

[illegible]