

1815-4

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER, 1893.

Sec. Hyg. Lond.

21. 1. 95

July to December 1893.

July to December 1893.



DAILY WEATHER REPORT

for 8 a.m. on Saturday, 1st July,

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 52° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).	Reading at 52° 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.								
Inch.	°			Inch.	°	°	°	°							Inch.						
SCANDINAVIA.	Haparanda ...	29.87	54	SW	2	0	29.79	-.09	59	58	0	NW	2	r	#	0	61	52	-		
	Hernösand ...	29.88	60	Z	0	c	29.95	+.02	63	55	+ 7	NW	6	c	#	c	72	46	-		
	Stockholm ...	29.89	66	W	2	b	29.95	+.02	65	59	+ 5	NNW	4	b	#	b	74	55	-		
	Wisby ...	29.93	61	SW	4	b	29.95	.00	61	59	- 2	NNW	4	b	#	b	70	57	-		
	Bodö ...	29.95	54	NW	2	0	30.06	+.24	53	52	- 5	N	1	f	1	0	58	50	-		
	Christiansund...	30.13	53	NSW	5	f	30.25	+.34	53	50	- 6	NNW	1	f	2	f	59	50	0.12		
	Skudesnaes ...	30.14	54	NNW	6	0	30.17	+.17	53	53	0	N	4	0	2	0	58	52	-		
	Christiania Fjord (Farder)	29.95	62	SSE	4	m	30.09	+.17	63	59	+ 3	NNW	5	b	2	m	63	60	-		
	Skagen (The Scaw)	29.97	58	NSW	1	b	30.07	+.13	59	58	+ 1	NE	2	c	0	b	64	52	-		
	Fanö ...	30.11	57	NW	4	c	30.11	+.09	55	53	- 5	NW	6	0	#	c	60	51	-		
ISLANDS.	Sumburgh Head	30.16	55	NW	1	bc	30.19	+.12	54	52	+ 4	SE	2	b	3	b, bc	56	46	-		
	Stornoway ...	30.10	60	S	3	b	30.05	-.04	60	57	+ 4	S	3	bc	3	b	60	45	-		
	Wick ...	30.20	58	N	1	b	30.15	+.02	58	56	+ 1	S	3	bc	2	b	63	51	-		
	Nairn ...	30.11	59	ESE	2	c	30.11	.00	58	57	+ 1	Z	0	m	1	c	63	43	-		
	Aberdeen ...	30.20	57	SSE	2	b	30.19	+.03	54	53	- 4	SSE	2	ogm	2	b	62	52	-		
	Leith ...	30.14	61	NNW	2	b	30.15	-.01	53	53	- 8	NE	2	om	#	b	65	51	-		
	Shields ...	30.18	57	ESE	3	b	30.18	+.02	52	52	- 2	E	3	f	2	b	61	50	-		
	Spurn Head ...	30.17	58	ESE	2	b	30.19	+.03	57	55	- 2	ESE	3	0	3	b	63	54	-		
	York ...	30.19	67	E	2	b	30.19	+.02	59	56	+ 2	SE	1	b	#	b	71	51	-		
	Loughborough	30.15	78	ESE	1	b	30.18	-.02	65	58	+ 2	E	1	bm	#	b	79	52	-		
BRITISH.	Ardrossan ...	30.12	65	Z	0	b	30.08	-.07	58	56	+ 1	NE	3	bm	1	b	65	52	-		
	Malin Head ...	30.01	67	SSE	4	0	30.01	-.08	62	57	+ 2	SSE	2	bc	0	b, c	71	50	-		
	Mullaghmore ...																				
	Belmullet ...	30.01	60	SW	3	bc	29.94	-.11	60	56	- 2	S	5	0	#	bc	69	55	-		
	Donaghadee ...	30.14	62	SE	5	b	30.08	-.09	60	58	+ 2	SE	4	bc	2	b	62	55	-		
	Liverpool (Bldston)	30.12	74	ESE	1	b	30.12	-.06	67	59	+ 2	ESE	2	b	1	b	75	57	-		
	Holyhead ...	30.13	62	NNE	2	b	30.08	-.08	68	62	+ 5	ESE	2	bw	1	b	69	52	-		
	Parsonstown ...	30.07	65	SW	1	c	30.00	-.13	61	60	0	SE	1	c	#	b, c	70	52	-		
	Valencia ...	30.02	64	S	5	cm	29.94	-.13	62	61	0	SSE	4	m	4	c	67	54	0.24		
	Roche's Point	30.11	60	S	4	bc	30.03	-.10	61	59	+ 2	ESE	4	m	3	bc	64	56	-		
GERMANY & HOLLAND.	Pembroke (St. Ann's Hd.)	30.13	65	S	1	b	30.07	-.09	62	61	+ 3	SE	3	bc	4	b	65	55	-		
	Scilly ...	30.09	63	E	4	c	30.04	-.09	65	63	+ 4	ESE	2	c	2	c	66	56	-		
	Prawle Point ...	30.13	64	ESE	2	bc	30.08	-.10	63	60	+ 2	NE	3	bc	2	bc	66	58	-		
	Jersey (St. Aubin's)	30.10	72	E	3	b	30.07	-.12	72	63	+ 7	E	3	bc	3	b	76	62	-		
	Hurst Castle ...	30.15	69	SSE	2	b	30.12	-.07	67	63	+ 4	E	3	bcm	1	bm	72	60	-		
	Dungeness ...	30.15	63	E	3	b	30.13	-.05	65	62	0	E	3	bm	2	b	68	58	-		
	North Foreland	30.16	63	E	2	b	30.15	-.02	63	61	0	E	2	b	3	b	65	58	-		
	London ...	30.15	74	E	2	b	30.17	-.03	66	61	+ 3	E	2	b	#	bm, b	74	55	-		
	Oxford ...	30.13	68	E	1	b	30.14	-.06	68	59	+ 6	ESE	1	b	#	b	77	51	-		
	Cambridge ...	30.16	75	ESE	1	b	30.19	-.01	63	59	+ 2	ESE	1	b	#	b	79	50	-		
FRANCE AND BELGIUM.	Yarmouth ...	30.18	64	E	3	b	30.20	+.03	59	57	- 2	ESE	2	cv	3	b	65	56	-		
	Cuxhaven ...	30.20	59	NW	4	0	30.20	+.09	58	56	- 3	NNW	4	0	#	0	73	57	-		
	Berlin ...	30.11	68	W	3	bc	30.14	+.01	58	55	- 3	NNW	3	0	#	bc	73	57	-		
	Wiesbaden ...	#	#	#	#	#	30.17	-.01	66	60	+ 2	NE	1	b	#	#	77	55	-		
	Munich ...	30.19	66	Z	0	b	30.20	+.01	65	59	+ 8	Z	0	b	#	b	75	55	-		
	The Helder ...	30.26	59	NE	1	c	30.27	+.07	59	55	- 1	NE	1	c	#	c	63	57	-		
	Brussels (9 a.m.)	#	#	#	#	#	30.18	-.03	66	60	+ 3	ESE	2	b	#	b	75	54	-		
	Cape Gris Nez	30.10	65	E	3	b	30.08		64	58		ESE	3	b	2	b	68	55	-		
	Paris ...	30.12	75	E	2	b	30.13	-.08	67	61	+ 6	NE	1	b	#	b	78	54	-		
	Brest ...	?	71	NNW	1	c	?	?	64	61	+ 7	NNW	2	b	1	c	81	55	-		
PENIN- SULA.	Lorient ...	30.06	74	NW	2	bc	30.03	-.10	62	59	+ 5	NE	1	b	2	bc	79	57	-		
	Rochefort ...	29.96	74	NNW	4	b	30.01	-.03	69	57	+ 6	W	4	c	#	b	100	63	-		
	Belfort ...	?	73	E	1	b	?	?	64	56	- 7	NE	4	b	#	b	81	53	-		
	Lyons ...	30.04	79	N	1	b	30.09	-.04	71	61	+ 6	N	1	b	#	b	82	62	-		
	Nice ...	30.01	73	SW	2	bc	30.04	+.01	72	66	+ 2	Z	0	b	0	bc	81	64	-		
	Perpignan ...	30.01	74	NE	3	c	30.07	+.01	76	69	+ 3	Z	0	b	#	c	83	62	-		
	Biarritz ...	29.95	74	W	4	b	30.09	+.10	68	66	- 1	W	3	0	#	b	90	66	-		
	Corunna ...	#	#	#	#	#	30.09	+.03	71	62	+ 3	N	4	b	#	#	79	63	-		
	Lisbon ...	30.08	66	NNW	5	b															

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, 1st July 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

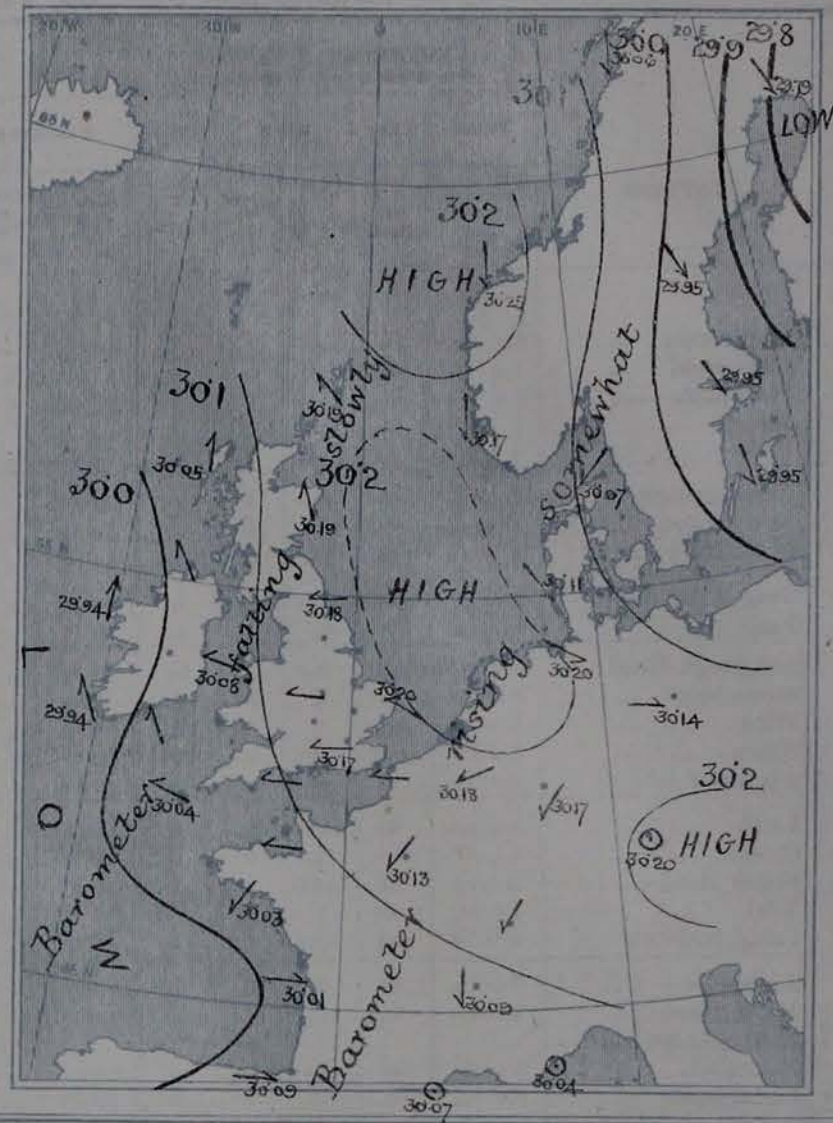
at 8.0 a.m. for the month of July.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	AT 8 A.M.		
			Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head.....	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee.....	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.0	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.00
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Scilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.9	57.8	2.85

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 ins. and more to 30.1 ins. over Norway, the North Sea, Great Britain, Germany, and the northeast and east of France.
 Lowest, 29.8 ins. and less, over the north of Ireland, and 30.0 ins. and less, over the western half of Ireland and the Bay of Biscay.
 Gradients slight. Barometer rising at our eastern and most of the Continental stations, but falling elsewhere.

TEMPERATURE

Highest, 76° at Perpignan, 72° at Nice and Jersey, 71° at Lisbon, 67° at Paris, and 66° in London.
 Lowest, 52° at Shields, 53° at Bodo and Christiansund, and 54° at Lumburg Head.
 The maxima recorded yesterday ranged from 75° to 78° in many parts of our Islands and Germany, and touched 90° at Biarritz, 100° at Rochefort, and 74° even at Stockholm.

WIND

Moderate from NW. over the countries lying to the eastward of the North Sea; E² to S² in our Islands (fresh in the west); W² in the southwest of France, N² at Lisbon.

WEATHER

Rainy at Valencia, foggy in the northwest of Norway, fine generally over the greater part of our Islands, their neighbourhood, and France.
 A quarter of an inch of rain is reported from Valencia (Ireland), and 0.1 in. from Christiansund — none elsewhere.

SEA

Moderate at some of our southwestern stations, smooth or very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Rain is probable in the southeast of Ireland, and possibly over the southwest of England, fine dry weather seems likely to hold elsewhere.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

S² breezes, freshening, some showers.
 Very light breezes, chiefly SE²; fine, dry.
 Same as No 5
 Same as Nos 1 and 2
 E² breezes, light; fine, warm.

DISTRICTS.

FORECASTS.

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

S² breezes, light; fine generally.
 SE² winds, moderate; fine
 Same as No 0.
 E² breezes, fresh, with 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.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	30.10	58	55	NW	6	0	2	Valencia ...	30.05	65	61	SSE	6	c	5
Sumburgh Head	30.16	54	51	NW	1	b	3	Scilly ...	30.11	65	60	E	4	c	3
Stornoway ...	30.12	60	56	S	3	b	3	Jersey ...	30.15	73	62	ESE	3	b	3
Aberdeen ...	30.22	60	54	SSE	2	b	1	Hurst Castle	30.18	71	65	SW	1	bm	2
Shields ...	30.19	60	58	E	3	b	2	Dungeness...	30.17	67	63	E	2	b	1
Ardrossan ...	30.15	65	59	Z	0	b	0	North Foreland...	30.19	65	60	E	2	b	2
Malin Head ...	30.06	70	60	S	3	bc	1	London ...	30.17	75	59	E	2	b	*
Mullaghmore ...								Yarmouth ...	30.19	65	60	E	3	b	2
Belmullet ...	30.04	63	60	S	3	bc	*	Rochefort ...	30.00	98	82	E	4	b	*
Holyhead ...	30.17	65	61	SSE	6	c	5								

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

Weather fine and bright over the whole of western and southern Europe, and also over the greater part of Russia. Foggy at several of the Scandinavian stations, and cloudy over the greater part of Denmark, Germany, and Austria, with rain at Mirel. Some increase of cloud taking place later in the west of Ireland, but no material change occurring elsewhere.

Temperature risen in the west and south of our Islands, but fallen in most other localities. Morning readings highest 91° at Aumale, 87° at Cagliari, 85° at Constantinople, 82° at Laballe; above 70° in most parts of southern Europe, and above 60° in all but the northern parts of our Islands and the Continent. Lowest 50° at Sumburgh Head, 54° at Shields, and 56° at Hornsund and Stornoway. Rising during day to 75° or more over the central and southern parts of England, and reaching 79° in London and at Cambridge. Exceeding 80° at most of the French stations and reaching 90° at Biarritz.

Wind light or moderate from the E^W over the Channel and Bay of Biscay, and from the SE^W or S^W on the western coasts of our Islands. Light from the NW^W on our eastern coasts and from the W^W on the eastern shores of the North Sea. Variable over the northern parts of Russia, light from N. or NW. over Austria and the southern part of Russia and Germany. Variable in Italy and Algeria. Subsequently shifting to the E^W on our eastern coasts and to the W^W in the southwest of France.

Barometer highest 30.1 ins. to 30.2 ins. in an anticyclone covering the greater part of our Islands, the North Sea, the Netherlands, France, and Germany. Lowest 29.9 ins. and less, in a large shallow depression over the northern part of Scandinavia. Slight fall taking place during day in France and the west and south of our Islands, and depression beginning to approach our eastern 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

Sunday 2nd July,

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 52° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).	Reading at 52° 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 ...	29.97	54	N	6	0	30.13	+ .34	48	44	—	11	NNE	6	bc	#	0	61	52	1.66	
	Hernösand ...	30.05	63	NW	4	0	30.12	+ .17	60	53	—	3	NW	2	bc	#	0	72	57	—	
	Stockholm ...	30.02	61	NW	2	0	30.07	+ .12	61	54	—	4	N	8	bc	#	0	70	55	0.20	
	Wisby ...	30.02	59	ENE	4	bc	30.04	+ .09	60	56	—	1	NNE	6	c	#	bc	66	57	—	
	Bodö ...	30.28	49	NNE	2	0	30.31	+ .25	49	46	—	4	NNE	2	0	1	0	53	46	—	
	Christiansund...	30.28	53	NNE	6	bc	30.21	— .04	56	50	+	3	ENE	5	bc	3	bc	57	50	—	
	Skudesnaes ...	30.13	57	NW	6	bc	30.14	— .03	57	53	+	2	NW	4	c	2	bc	59	52	—	
	Christiania Fjord (Færdar)	30.07	66	NW	2	bc	30.17	+ .08	59	53	—	4	NNE	5	bc	1	bc	70	57	—	
	Skagen (The Scaw)	30.07	63	NW	1	bc	30.14	+ .07	65	59	+	6	E	1	c	0	bc	75	57	—	
	Fanö ...	30.11	64	NW	2	0	30.14	+ .03	56	53	+	1	NNW	2	0	#	0	64	54	—	
BRITISH ISLANDS.	Sumburgh Head	30.15	53	SE	3	c	30.10	— .09	53	53	—	1	SE	1	0	3	c	57	50	—	
	Stornoway ...	29.97	66	S	2	bc	30.06	+ .01	62	60	+	2	S	3	bc	3	bc	67	55	—	
	Wick ...	30.10	57	S	4	0	30.08	— .07	61	58	+	3	S	1	bc	1	0	61	54	—	
	Nairn ...	30.04	77	S	1	bc	30.05	— .06	66	61	+	8	E	1	c	1	bc	77	55	—	
	Aberdeen ...	30.15	54	SSE	2	0	30.13	— .06	55	54	+	1	S	1	ogm	2	omv	57	53	0.01	
	Leith ...	30.08	57	NNE	2	c	30.11	— .04	57	56	+	4	NNE	2	0	#	c	61	52	—	
	Shields ...	30.10	57	ESE	4	c	30.11	— .07	59	58	+	7	S	2	op	2	c	59	47	0.24	
	Spurn Head ...	30.12	58	ESE	4	bc	30.13	— .06	60	58	+	3	SE	3	bcw	3	bc	62	55	—	
	York ...	30.12	67	E	3	bc	30.14	— .05	64	61	+	5	SE	1	bc	#	bc	75	54	—	
	Loughborough	30.08	79	E	2	c	30.13	— .05	69	62	+	4	ESE	1	bcw	#	c	83	58	—	
GERMANY & HOLLAND.	Ardrossan ...	30.02	64	SE	1	c	30.08	— .00	61	59	+	3	Z	0	omv	0	c	75	54	—	
	Malin Head ...	29.96	65	W	2	0	30.09	+ .08	64	61	+	2	SE	1	0	0	co	74	59	—	
	Mullaghmore ...	29.96	64	SW	2	bc	30.12	+ .18	61	59	+	1	SW	2	bc	#	op bc	65	56	—	
	Belmullet ...	30.04	60	SSE	4	c	30.12	+ .04	58	57	—	2	ESE	3	bc	2	c	64	57	0.10	
	Donaghadee ...	30.02	64	SE	1	c	30.08	— .00	61	59	+	3	Z	0	omv	0	c	75	54	—	
	Liverpool (Bldston)	30.05	76	ESE	2	bc	30.13	+ .01	66	60	—	1	NNW	1	c	1	bc	79	61	—	
	Holyhead ...	30.05	65	Z	0	c	30.13	+ .05	63	60	—	5	SSW	2	c	2	c	73	57	—	
	Parsonstown ...	29.99	69	SW	1	c	30.14	+ .14	63	60	+	2	SW	1	c	#	c	74	54	0.04	
	Valencia ...	30.02	63	S	3	0	30.18	+ .24	68	61	+	1	SW	1	bcw	2	emo	67	57	0.03	
	Roche's Point	30.05	64	S	4	bc	30.16	+ .13	63	60	+	2	SE	1	bc	2	bc	66	58	0.01	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.06	64	SW	1	bc	30.16	+ .09	60	59	—	2	WNW	1	cog	3	bc	67	57	—	
	Scilly ...	30.06	66	S	1	m	30.16	+ .12	64	62	—	1	WNW	1	bc	3	cm	70	60	—	
	Prawle Point ...	30.09	65	S	2	bc	30.15	+ .07	66	62	+	3	NNW	1	bc	0	bc	71	59	—	
	Jersey (St. Aubin's)	30.04	78	ENE	2	bc	30.15	+ .08	65	62	—	7	W	5	bcw	4	bc	85	61	—	
	Hurst Castle ...	30.09	73	E	2	bc	30.12	— .00	67	64	—	0	NE	1	bcw	1	bc, b	77	58	—	
	Dungeness ...	30.06	63	E	4	c	30.10	— .03	64	62	—	1	ENE	4	bc	3	bc, c	67	59	—	
	North Foreland	30.11	61	E	4	bc	30.14	— .01	64	61	+	1	E	2	bc	2	bc	64	59	—	
	London ...	30.10	78	E	2	bc	30.15	— .02	66	62	—	0	ENE	1	bc	#	bc, c	79	58	—	
	Oxford ...	30.09	71	SE	2	c	30.14	— .00	67	62	—	1	SE	1	c	#	c	82	54	—	
	Cambridge ...	30.10	76	E	3	bc	30.15	— .04	65	61	+	2	E	1	bc	#	bc	81	53	—	
PENINSULA.	Yarmouth ...	30.16	62	E	4	bc	30.17	— .03	60	58	+	1	ESE	2	bc	2	c, b	62	55	—	
	Cuxhaven ...	30.21	58	NW	3	bc	30.20	— .00	57	55	—	1	NNW	2	bc	#	bc	60	56	—	
	Berlin ...	30.12	64	NW	3	0	30.12	— .02	62	57	+	4	W	3	bc	#	0	66	55	—	
	Wiesbaden ...	30.09	66	W	0	bc	30.09	— .08	66	61	—	0	Z	0	bc	#	*	81	55	—	
	Munich ...	30.13	67	Z	0	bc	30.17	— .03	68	62	+	3	Z	0	bc	#	bc	77	55	—	
	The Helder ...	30.22	60	NE	1	bc	30.23	— .04	58	54	—	1	ENE	1	c	1	bc	63	58	—	
	Brussels (9 a.m.)	30.14	66	NE	1	bc	30.14	— .04	66	61	—	0	NE	1	bc	#	bc	78	55	—	
	Cape Gris Nez	30.04	65	E	4	bc	30.06	— .02	64	60	—	0	ESE	2	bc	2	bc	68	55	—	
	Paris ...	30.05	81	E	1	bc	30.10	— .03	70	63	+	3	Z	0	c	#	bc	?	60	—	
	Brest ...	30.05	68	NW	2	bc	30.10	— .03	62	61	—	2	NW	1	c	4	bc	73	55	—	
FRANCE AND BELGIUM.	Lorient ...	30.09	66	W	5	bc	30.17	+ .14	61	61	—	1	NW	4	m	4	bc	75	59	—	
	Rocheport ...	30.08	70	NW	4	bc	30.13	+ .12	67	66	—	2	NW	3	0	#	bc	81	61	—	
	Belfort ...	30.11	74	W	1	0	30.11	+ .02	74	64	+	3	NNE	1	bc	#	0	86	64	—	
	Lyons ...	29.98	71	SW	1	bc	29.99	— .05	72	67	+	0	Z	0	bc	0	bc	81	64	—	
	Nice ...	30.03	81	SE	1	0	30.11	+ .04	79	66	+	3	NW	3	bc	#	0	92	68	—	
	Perpignan ...	30.13	73	NW	3	bc	30.16	+ .07	68	66	—	0	E	2	0	2	bc	73	64	—	
	Biarritz ...	30.13	73	NW	3	bc	30.16	+ .07	68	66	—	0	E	2	0	2	bc	73	64	—	
	Corunna ...	30.08	68	NNW	5	bc	30.03	— .09	69	66	+	3	NE	5	bc	3	*	72	59	—	
	Lisbon ...	30.08	68	NNW	5	bc	30.08	— .01	72	65	+	1	N	4	bc	#	bc	82	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 Sunday, 2nd July 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:

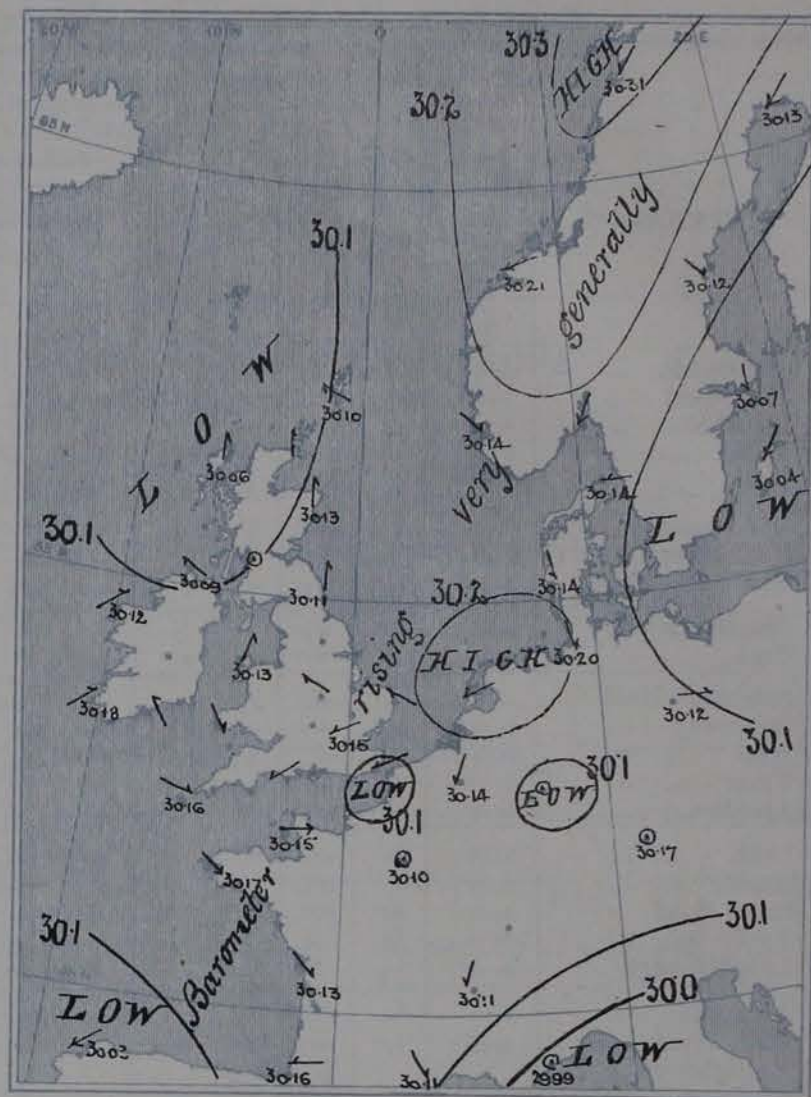
≡ = Rough. ≡ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Seilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head.....	65.1	55.2	59.5	56.8	1.74
York	68.7	51.0	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	56.6	2.96
Parsonstown	66.4	51.6	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Seilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	3.40
Hurst Castle	67.8	56.5	61.1	58.8	2.20
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	54.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.9	57.8	2.85

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, 30.3 ins: to 30.2 ins: over Lapland and the greater part of Norway.
 Lowest, { 30.0 ins: and less, over the Riviera and neighbouring parts of the Mediterranean; and below 30.1 ins: over the northwestern parts of our Islands, the southwestern half of the Iberian Peninsula, and in a shallow depression over the Straits of Dover and NE. of France.
 Gradients, very slight and variable over our Islands, moderate for N. winds over Sweden, the Baltic and Gulf of Bothnia.
 Barometer risen decidedly over Lapland and also in Ireland, but fallen a little over the east and southeast of England.

TEMPERATURE

Highest, 79° at Perpignan, 74° at Lyons, 72° at Nice and Lisbon, 70° at Paris, 69° at Loughborough, and above 60° over the United Kingdom as a whole.
 Lowest, 48° at Haparanda, 49° at Åbo, 53° at Lumburg H., 56° at Paris.
 The maxima recorded over the inland parts of England yesterday were as high as 79° to 83°, those on our northeast coast were below 70° and that at Shields was as low as 59°.

WIND

Strong to a gale from the N. over Sweden — moderate NE. in Norway.
 Light S. in Scotland, and SE. to E. over England — but
 NW. over Devon, Cornwall, and the northwest of France — NE. over Spain.

WEATHER

Fine as a whole, but dull and very showery on the northeast coast of England.
 A little rain has fallen at some of the Irish and Scotch stations, and in London the sky had an unsettled appearance last evening.

SEA

Moderate at Jersey and Brest, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 3rd July, 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. Dirac.	F.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.17	59	55	N.N.W.	6	b	2	Valencia ...	30.01	65	63	S	3	cm	4
Sumburgh Head ...	30.18	55	53	SE	3	c	4	Scilly ...	30.05	69	65	SSE	1	c	2
Stornoway ...	30.02	67	60	S	3	b	3	Jersey ...	30.04	84	69	E	2	bc	2
Aberdeen ...	30.16	56	54	SSE	2	om	2	Hurst Castle ...	30.09	73	68	E	3	bc	1
Shields ...	30.14	58	56	ESE	4	c	3	Dungeness ...	30.11	67	64	E	5	bc	4
Ardrossan ...	30.04	68	62	SW	1	c	1	North Foreland ...	30.14	64	61	E	4	b	4
Malin Head ...	29.96	71	60	SSE	3	c	1	London ...	30.12	75	63	E	2	bc	*
Mullaghmore ...								Yarmouth ...	30.19	61	57	ESE	3	c	3
Belmullet ...	29.95	63	61	S	3	op	*	Rochefort ...	30.07	84	70	N.W.	4	b	*
Holyhead ...	30.07	71	61	SSW	2	c	1								

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

Weather fine over the greater part of Western and Southern Europe, but dull in the west of Ireland, with rain at Valencia, foggy at the mouth of the Tyne and also in the west of Norway, dull in many parts of Russia and Germany, with rain at Lismore. A little rain falling later at most of the Irish stations, as well as on the northeast coasts of Great Britain; thunderstorms occurring in some parts of France.

Temperature risen in most places. Morning readings highest 83° at Trieste, 82° at Barcelona, 81° at Clermont, and 80° at Legna; above 70° in most parts of southern and eastern Europe, and above 65° at several of the English stations. Lowest 52° at Shields, 53° at Bodo, Christiansund, and Faith, and 54° at Sumburgh Head and Aberdeen. Rising during day to between 80° and 83° over the central parts of England, to 85° or more over southern Europe generally, and to 90° or more at some of the Spanish and Italian stations. Reaching 95° at Florence and 97° at Madrid.

Wind light to moderate from the S^W or SE^W in the west and north of our Islands and from the E^W in the south and east of England. N^W or NW^W over Scandinavia, Denmark, and Germany; variable in Italy, Algeria, and the south of France; N^W in Spain; W^W in the west of France. NW^W breeze subsequently setting in over Italy; no important change occurring elsewhere.

Barometer highest 30.2 in. and upward in an anticyclone lying over Holland and the North Sea, and also in a smaller system lying off the west of Norway. Lowest 29.8 in. and less, in a shallow depression over Lapland; 30.0 in. and less, in another disturbance lying off the west of Ireland. No important change occurring during day, but depression off our western coasts moving slowly northwards.

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

Monday, 3rd July,

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.								
Ins.	°				Ins.	°	°	°					°	Ins.							
SCANDINAVIA.	Haparanda ...	30.26	50	NE	6	b	30.32	+1.9	49	43	+1	NE	4	b	#	b	59	43	-		
	Hernösand ...	30.21	53	NE	2	b	30.31	+1.9	53	48	-7	NE	4	b	#	b	68	46	-		
	Stockholm ...	30.10	54	N	6	b	30.16	+0.6	56	49	-5	N	8	b	#	b	64	52	-		
	Wisby ...	30.06	54	NE	6	b	30.10	+0.6	50	47	-10	NE	4	0	#	b	64	48	-		
	Bodö ...	30.29	51	N	4	b	30.27	-0.4	61	51	+12	ENE	4	b	2	b	52	46	-		
	Christiansund...	30.15	58	NE	6	b	30.19	-0.2	60	55	+4	NE	2	b	2	b	61	52	-		
	Skudesnaes ...	30.15	54	NW	6	0	30.16	+0.2	55	53	-2	N	2	0	2	0	60	50	-		
	Christiania Fjord (Færd)	30.08	63	NSH	3	b	30.18	+0.1	64	62	+5	SE	3	b	1	b	70	59	-		
	Skagen (The Seaw)	30.10	57	NW	1	m	30.15	+0.1	58	57	-7	NW	1	0	0	m	70	55	-		
	Fanö ...	30.12	55	NW	2	b	30.13	-0.1	56	54	0	N	2	0	#	b	64	52	-		
BRITISH ISLANDS.	Sumburgh Head	30.12	55	Z	0	m	30.17	+0.7	57	57	+4	NW	1	0	1	m	57	50	0.02		
	Stornoway ...	30.13	61	NE	2	0	30.22	+1.6	59	57	-3	S	2	0	2	c, 0	69	50	-		
	Wick ...	30.17	59	NW	1	0	30.23	+1.5	57	56	-4	Z	0	0	1	0	70	52	0.05		
	Nairn ...	30.13	64	EHE	1	bc	30.19	+1.4	60	58	-6	Z	0	0	1	bc	72	53	-		
	Aberdeen ...	30.14	59	SSE	1	cm	30.20	+0.7	57	57	+2	NW	1	0	2	cm	61	53	0.32		
	Leith ...	30.10	65	Z	0	0	30.18	+0.7	57	56	0	NHE	1	cm	#	0.11	69	55	0.10		
	Shields ...	30.10	58	EHE	1	0	30.16	+0.5	56	55	-3	N	2	0	2	tlr, 0	63	53	0.17		
	Spurn Head ...	30.10	59	SE	3	0	30.14	+0.1	59	57	-1	SE	3	0	3	tlr	62	56	0.34		
	York ...	30.12	72	W	1	0	30.16	+0.2	62	61	-2	SE	1	0	#	0	80	56	0.25		
	Loughborough	30.10	73	NHE	2	c	30.16	+0.3	65	63	-4	ESE	1	cm	#	tlr, c	84	60	0.01		
GERMANY & HOLLAND.	Ardrossan ...	30.11	68	W	3	b	30.17	+0.9	62	58	+1	NW	2	b	1	b	71	53	-		
	Malin Head ...	30.16	63	SSW	1	c	30.22	+1.3	60	57	-4	N	1	bc, m	0	b	64	56	-		
	Mullaghmore ...	30.20	65	NW	2	bc	30.25	+1.3	61	58	0	NW	1	bc	#	bc	67	55	-		
	Belmullet ...	30.15	63	N	3	bc	30.20	+0.8	60	58	+2	NW	5	b	3	bc	67	57	-		
	Donaghadee ...	30.14	66	NW	2	b	30.17	+0.4	63	60	-3	NW	1	0	1	b	71	58	-		
	Liverpool (Bldston)	30.16	66	Z	0	b	30.18	+0.5	58	56	-5	NHE	3	bw	2	b	71	56	-		
	Holyhead ...	30.16	70	Z	0	b	30.22	+0.8	64	60	+1	Z	0	b	#	bc	72	52	-		
	Parsonstown ...	30.21	63	NSW	2	c	30.22	+0.4	65	61	+2	NHE	1	bc, m	#	b, c	65	51	-		
	Valencia ...	30.19	63	SSW	1	c	30.19	+0.3	62	59	-1	NW	1	b	2	c	68	55	-		
	Roche's Point	30.16	62	NW	2	bc	30.13	-0.3	68	66	+8	NHE	3	bc	2	bc	69	57	-		
FRANCE AND BELGIUM.	Scilly ...	30.18	64	NW	1	c	30.14	-0.2	64	61	0	NW	2	bc	3	c	68	59	-		
	Prawle Point ...	30.12	68	NW	3	c	30.10	-0.5	71	63	+5	NW	2	bc	2	bc	72	59	-		
	Jersey (St. Aubin's)	30.16	67	NW	4	bc, m	30.12	-0.3	66	61	+1	NW	4	b	3	bc, m	70	59	-		
	Hurst Castle ...	30.10	67	SW	3	bc, m	30.10	-0.2	69	64	+2	EHE	2	bc, m	1	bc, m	74	60	-		
	Dungeness ...	30.09	64	EHE	3	bc	30.09	-0.1	63	61	-1	E	3	cm	2	b, bc	69	58	-		
	North Foreland	30.10	63	E	2	b	30.11	-0.3	60	59	-4	E	4	cgt	3	b	65	57	-		
	London ...	30.09	74	ESE	2	c	30.13	-0.2	65	60	-1	ESE	2	bc	#	b, c, l	84	59	-		
	Oxford ...	30.08	67	W	1	c	30.14	0.0	67	61	0	EHE	2	c	#	b, ltr	83	60	0.06		
	Cambridge ...	30.09	78	SE	1	c	30.15	0.0	64	59	-1	EHE	1	0	#	c	85	57	-		
	Yarmouth ...	30.15	62	SE	3	b	30.15	-0.2	58	56	-2	E	3	bc	3	b	64	55	-		
PENINSULA.	Cuxhaven ...	30.20	59	NW	3	c	30.16	-0.4	59	58	+2	NHE	2	0	#	c	61	57	-		
	Berlin ...	30.06	73	W	2	bc	30.08	-0.4	68	60	+6	NW	3	b	#	bc	81	59	-		
	Wiesbaden ...	#	#	#	#	#	30.08	-0.1	69	61	+3	Z	0	b	#	#	84	57	-		
	Munich ...	30.13	70	Z	0	b	30.13	-0.4	71	55	+3	W	3	b	#	b	79	61	-		
	The Helder ...	30.19	59	NE	1	b	30.20	-0.3	57	53	-1	NE	1	bc	1	b	63	55	-		
	Brussels (9 a.m.)	#	#	#	#	#	30.11	-0.3	66	60	0	NHE	1	c	#	b	81	53	-		
	Cape Gris Nez	30.05	64	ESE	4	b	30.05	-0.1	60	58	-4	ESE	5	z	#	b	68	55	-		
	Paris ...	30.05	83	EHE	1	0	30.07	-0.3	69	62	-1	W	2	bc	#	0	90	64	-		
	Brest ...	?	63	SW	2	0	?	?	59	59	-3	N	2	b	2	0	68	55	-		
	Lorient ...	30.14	68	NW	4	0	30.13	-0.4	60	58	-1	NHE	3	b	2	0	73	57	-		
FRANCE AND BELGIUM.	Rochefort ...	30.09	70	NW	4	bc	30.04	-0.9	69	67	+2	NE	3	c	#	bc	79	64	-		
	Belfort ...	30.05	84	N	1	b	30.07	-0.4	75	65	+1	W	1	bc	#	b	87	67	-		
	Lyons ...	29.97	75	NE	4	c	29.99	0.0	78	64	+6	E	1	b	#	c	82	65	0.08		
	Nice ...	30.07	89	N	2	b	30.04	-0.7	80	69	+1	SW	1	b	#	b	95	66	-		
	Perpignan ...	30.06	72	NHE	4	b	30.06	-1.0	69	66	+1	W	3	bc	2	b	75	66	-		
	Biarritz ...	30.06	69	NW	5	#	30.05	-0.3	73	65	+1	SSW	2	b	#	b	82	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 Monday, 3rd July 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:

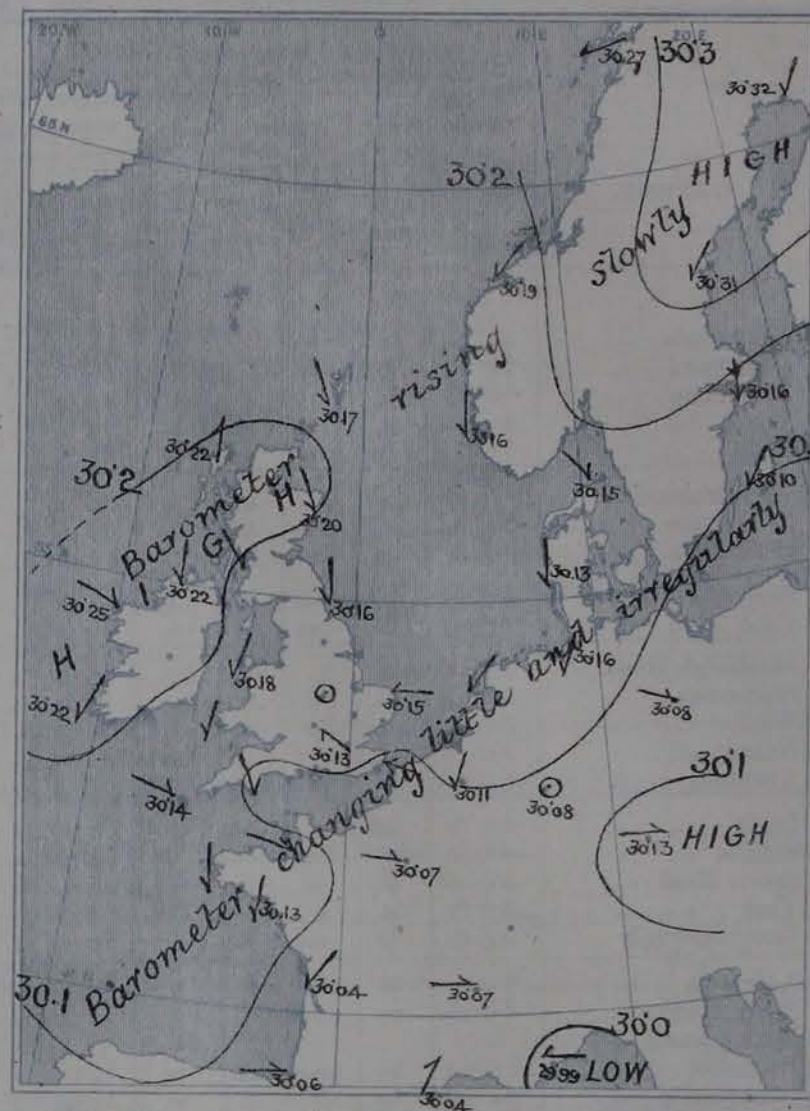
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.860
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Sally	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.967
Oxford	29.948
Cambridge	29.937
Yarmouth	29.929



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

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

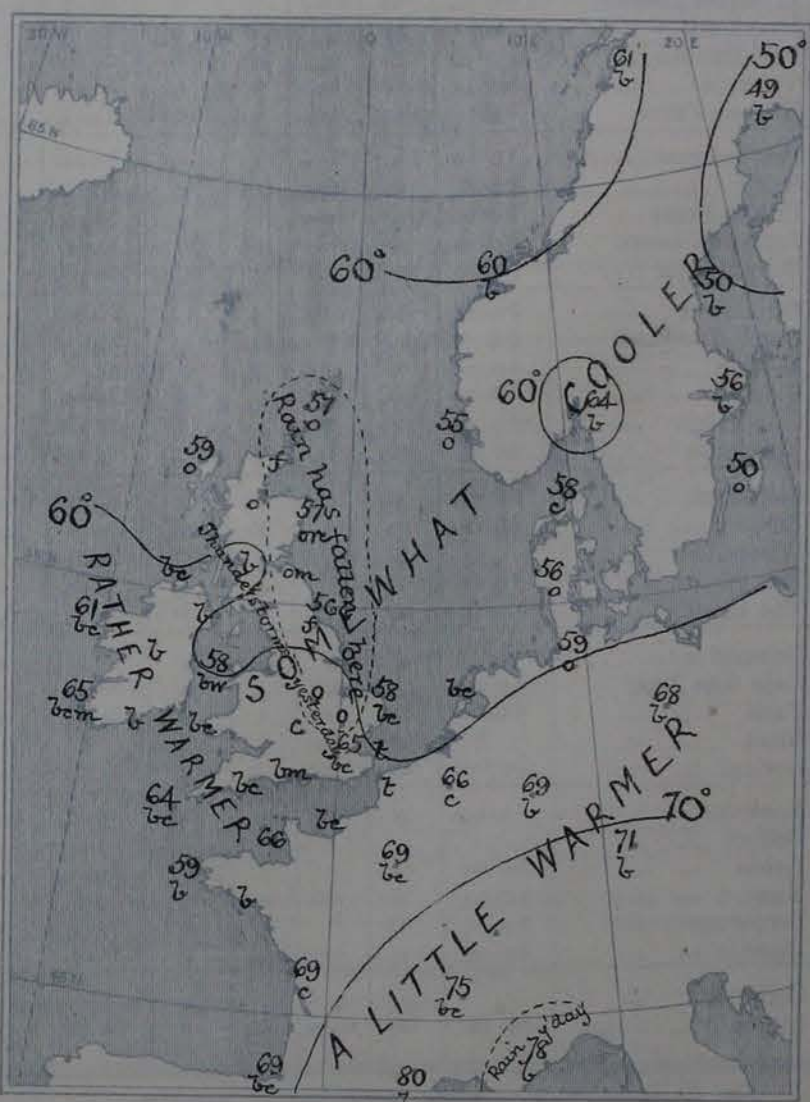
WEATHER is shown by Letters of the Beaufort Scale.

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

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

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.50
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.06
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.0	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Sally	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.0	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.0	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.9	57.8	2.86

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, (1) 30.2 in. and more to 30.4 in. over Scandinavia; (2) 30.2 in. and more over Ireland and Scotland; (3) 30.1 in. and more at Munich.
 Lowest, below 30.0 in. over the Gulf of Genoa, and below 30.1 in. over France and North Germany.
 Gradients very slight and irregular; local (thunderstorm) depressions prevail over the Channel and south of England.
 Barometer rising in the north, changing little and fitfully elsewhere.

TEMPERATURE

Highest, 75° to 80° in the south of France, 73° at Liebo, 71° at Munich, 69° at Paris, 67° at Oxford.
 Lowest, 48° to 50° over the northern part of Sweden, 56° at Fano and Shields.
 It has fallen decidedly at the Swedish stations, slightly over England. The maxima recorded yesterday were 80° to 85° over the island parts of England, 85° to 95° over several parts of France.

WIND

Moderate to strong from N. at the Swedish stations, light N³ over Denmark, W³ at Berlin.
 Light and variable from between NW. and NE. over the British Islands, N³ over the Bay of Biscay, W³ over France.

WEATHER

Fine and bright over Ireland, and at the majority of the Continental stations, cloudy or overcast over Great Britain, with rain at Aberdeen, fog at Shields.
 Thunderstorms have occurred at several of our northern and northeastern stations, and on our northeast coast the rainfall exceeded 0.3 in.

SEA

Little disturbed anywhere; on our northwest coast it is very smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Weather continues in a somewhat uncertain thundery condition over Great Britain, but is fine in Ireland.

FORECASTS

For the 24 hours ending at NOON on 4th July

1893.

DISTRICTS.

FORECASTS.

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

Varying airs; weather uncertain.

Same as No 5.

E² and Varying airs; weather very uncertain, thunder and rain in some localities.

DISTRICTS.

FORECASTS.

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

Same as No 0.

NW² airs; fine, warm, uncertain later.

Varying airs, fine, very warm.

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 E. 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 ...	30.15	60	56	NW	5	bc	2	Valencia ...							
Sumburgh Head								Scilly ...							
Stornoway ...	30.10	68	62	SW	3	c	3	Jersey ...	30.17	68	64	WNW	5	bc	4
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	30.10	64	61	ESE	3	b	2
Ardrossan ...								North Foreland ...	30.14	64	61	E	2	b	2
Malin Head ...	30.15	62	60	NW	1	o	0	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	30.19	66	61	SW	3	bc	*	Rochefort ...	30.16	77	73	WNW	4	b	*
Holyhead ...	30.16	68	63	SW	2	b	2								

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

Weather fair or fine over the greater part of our Islands and the Continent, but dull and showery on the northeast coasts of Great Britain. Dull also over Russia and the neighbouring parts of Austria, with rain at Lemberg. Thunderstorms occurring later over the south of Scotland and the north of England, as well as in some parts of our midland counties. Thunder or lightning only observed at some of our southeastern stations.

Temperature risen in most parts of western and southern Europe, but fallen in several of the northern, eastern and central countries. Morning readings highest 85° at Brindisi, 81° at Toulon and Palma, and 79° at Trieste and Perpignan; above 70° over southern Europe generally, and above 65° at many of the English stations, as well as at Narvik. Lowest 43° at Haparanda, 48° at Ulesburg, 49° at Rode, 54° at Karpis, and 55° at Aberdeen. Rising during day to 70° or more in the north of Scotland, to between 80° and 85° over the inland parts of England, and to 90° or more at some of the French stations.

Wind variable on many parts of our western coasts, NW² in the southwest of our Islands and the west of France; E² or SE² over the E^m and central part of England, S² in the N. and NE. of St. Britain. Moderate to strong from the NW² over Finland and Scandinavia, with gales at Helsingfors and Stockholm, light from the NW² over Germany, Poland and Austria; variable in Italy and the S. of Russia; NE² or N² in Spain and Algeria. Subsequently becoming very variable over the whole of the United Kingdom.

Barometer highest 30.3 ins. and upwards in the NW. of Norway; 30.1 ins. and upwards in a large anticyclone covering a considerable portion of W^m and N^m Europe, but below that level in Scotland, and also in a small depression lying over the NE. of France. Lowest 29.8 ins. and less in a large shallow system lying over the W^m and N^m parts of Russia. Small depression over France subsequently advancing NW² over the SE. of England, and barometer falling slightly at most of our E^m and SE^m stations.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 25TH JUNE TO 1ST JULY 1893.

During the first half of this week, showery, unsettled weather was prevalent over the United Kingdom generally, accompanied in a few localities by thunder and lightning. The wind was chiefly E² to SE² in the north, S² to W² in the south, and on some occasions blew very strongly in squalls on our southwestern, southern and southeastern coasts. These conditions were brought about by a depression which at 8 a.m. on Monday lay off the southwest of Ireland, and moving thence in a N² to NE² direction, crossed Scotland on Wednesday, and passed away from our neighbourhood on Thursday.

In the rear of this disturbance the weather again cleared up, and at the close of the week fine warm weather was again becoming general — the thermometer rising to nearly 80° at several of the English stations on Saturday and to between 80° and 90° in many parts 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

Tuesday 4th July,

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. Reading at 32° F. and Sea Level.	Temp. Dry Bulb.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (0 to 9).	Weather.	Shade Temp.		Amount of Rainfall.			
				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).			Max.	Min.				
Ina.		°				Ina.	°	°	°							°	Ina.				
SCANDINAVIA.	Haparanda ...	30.27	55	Z	0	b	30.25	-07	58	48	+	9	NE	4	b	#	b	?	?	-	
	Hernösand ...	30.30	50	NE	1	b	30.26	-05	55	47	+	2	Z	0	b	#	b	59	45	0.35	
	Stockholm ...	30.22	52	NNW	4	b	30.24	+08	59	51	+	3	ENE	6	b	#	b	61	45	-	
	Wisby ...	30.16	47	NE	4	b	30.19	+09	50	48	0	NE	4	b	#	b	61	45	-		
	Bodö ...	30.23	60	NE	1	b	30.15	-12	65	55	+	4	ESE	1	b	1	b	66	52	-	
	Christiansund...	30.17	60	NW	2	f	30.23	+04	53	51	-	7	WSW	2	f	2	f	66	50	-	
	Skudesnaes ...	30.19	55	NW	2	b	30.20	+04	57	54	+	2	SE	1	o	2	b, b	63	52	-	
	Christiania Fjord (Færdler)	30.17	66	W	3	b	30.23	+05	61	55	-	3	SSE	4	c	2	b	72	61	-	
	Skagen (The Scaw)	30.13	63	N	1	b	30.21	+06	65	59	+	7	SE	2	b	0	b	77	57	-	
	Fanö ...	30.13	58	NW	2	b	30.13	-00	63	60	+	7	ENE	2	b	#	b	73	56	-	
BRITISH ISLANDS.	Sumburgh Head	30.21	57	Z	0	o	30.19	+02	56	54	-	1	NE	1	o	2	mo	61	50	-	
	Stornoway ...	30.21	61	NE	3	c	30.14	-08	59	57	0	NE	2	o	3	b, c	64	50	-		
	Wick ...	30.25	59	Z	0	b	30.22	-01	56	55	-	1	S	2	o	0	b	65	51	-	
	Nairn ...	30.19	62	E	1	c	30.15	-04	59	56	-	1	E	1	o	1	c	67	54	-	
	Aberdeen ...	30.24	54	ENE	2	o	30.20	-00	53	53	-	4	NE	1	ond	2	ow	64	53	0.08	
	Leith ...	30.19	55	ENE	1	o	30.16	-02	55	53	-	2	ENE	2	o	#	o	59	52	-	
	Shields ...	30.17	56	NNE	3	f	30.14	-02	56	53	0	NE	2	o	2	of	61	53	-		
	Spurn Head ...	30.14	57	E	3	b	30.11	-03	57	54	-	2	NE	3	o	3	b	62	52	-	
	York ...	30.15	61	E	1	clrh	30.16	-00	56	54	-	6	E	1	o	#	clrh	75	51	1.38	
	Loughborough	30.12	72	E	2	c	30.13	-03	58	53	-	7	NE	3	c	#	c	78	54	-	
GERMANY & HOLLAND.	Ardrossan ...	30.14	67	NE	2	c	30.11	-06	57	56	-	5	ENE	1	ow	1	c	68	53	-	
	Malin Head ...	30.18	61	N	2	b	30.12	-10	58	56	-	2	NE	2	ow	1	b	64	55	-	
	Mullaghmore ...																				
	Belmullet ...	30.21	61	NNE	2	b	30.11	-14	61	58	0	ENE	2	o	#	b, b	65	55	-		
	Donaghadee ...	30.18	63	NNW	5	b	30.11	-09	56	55	-	4	N	3	f	1	b	66	54	-	
	Liverpool (Bidston)	30.13	66	WNW	1	c	30.09	-08	61	57	-	2	ESE	2	o	2	c	68	57	-	
	Holyhead ...	30.15	59	N	2	b	30.04	-14	66	62	+	8	Z	0	ow	0	b	66	55	-	
	Parsonstown ...	30.14	71	Z	0	c	30.07	-15	56	54	-	8	NE	1	o	#	c	73	49	-	
	Valencia ...	30.17	66	NW	1	o	30.06	-16	64	59	-	1	Z	0	o	1	cm, o	71	54	-	
	Roche's Point	30.15	65	SE	1	b	30.01	-18	65	59	+	3	E	3	c	3	b	69	57	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.07	67	NNE	4	b	30.00	-13	65	63	-	3	E	3	b	2	b	74	60	-	
	Scilly ...	30.07	65	NNE	4	b	29.92	-22	66	62	+	2	ESE	2	c	3	b	68	60	-	
	Prawle Point ...	30.05	69	W	2	b	29.94	-16	59	57	-	12	ENE	5	og	4	b, f	74	56	-	
	Jersey (St. Aubin's)	30.08	69	WNW	3	b	29.87	-25	68	63	+	2	ENE	5	cm	4	b	71	61	-	
	Hurst Castle ...	30.07	68	S	3	b	29.98	-12	65	61	-	4	ENE	4	c	2	bm	73	56	-	
	Dungeness ...	30.06	61	E	4	b	30.00	-09	61	?	-	2	E	5	b	3	b	67	58	-	
	North Foreland	30.09	59	E	3	b	30.03	-08	61	58	+	1	E	4	b	4	b, b	64	56	-	
	London ...	30.09	68	E	2	b	30.06	-07	63	56	-	2	E	2	b	#	b, b, o	79	58	-	
	Oxford ...	30.08	71	ENE	2	b	30.07	-07	57	53	-	10	ENE	2	c	#	b	80	52	-	
	Cambridge ...	30.10	76	NE	3	b	30.09	-06	60	55	-	4	N	3	b	#	b	79	50	-	
PENINSULA.	Yarmouth ...	30.15	60	ENE	3	b	30.11	-04	57	54	-	1	NE	4	c	3	b	63	53	-	
	Cuxhaven ...	30.08	62	NNW	3	b	30.07	-09	67	61	+	8	SSE	2	b	#	b	?	?	-	
	Berlin ...	30.08	68	NE	4	b	30.14	+06	60	54	-	8	NE	3	b	#	b	79	54	-	
	Wiesbaden ...	*	*	*	*	*	30.03	-05	72	62	+	3	NE	1	b	#	#	86	59	-	
	Munich ...	30.10	67	SW	6	c	30.12	-01	65	61	-	6	SW	3	c	#	c	79	55	0.28	
	The Helder ...	30.19	58	NE	3	c	30.14	-06	59	56	+	2	NE	1	c	1	c	63	55	-	
	Brussels (9 a.m.)	*	*	*	*	*	30.04	-07	60	57	-	6	NE	2	b	#	b	80	53	-	
	Cape Gris Nez	30.06	60	ENE	3	b	30.00	-05	62	59	+	2	E	4	b	3	b	64	55	-	
	Paris ...	30.00	81	NNE	2	b	29.97	-10	69	62	0	NE	2	b	#	b	86	61	-		
	Brest ...	?	66	N	3	c	?	?	61	61	+	2	NE	1	r	1	c	68	55	-	
PENINSULA.	Lorient ...	30.05	71	W	3	c	29.83	-30	67	62	+	7	NE	1	t	2	c	75	59	-	
	Rochefort ...	29.94	75	NNW	4	b	29.82	-22	71	69	+	2	SW	3	c	#	b	88	66	-	
	Belfort ...																				
	Lyons ...	29.98	86	N	1	b	29.96	-11	76	66	+	1	N	1	b	#	b, b	91	66	-	
	Nice ...	29.95	68	SW	1	b	29.97	-02	73	68	-	5	S	1	b	#	b	84	66	-	
	Perpignan ...	29.96	80	NE	2	b	29.89	-15	77	70	-	3	NE	3	b	#	b	91	63	-	
	Biarritz ...	29.97	75	NNW	2	b	29.90	-16	70	64	+	1	W	6	o	2	b	79	64	-	
	Corunna ...	*	*	*	*	*											*				
	Lisbon ...	30.08	68	NW	3	b	30.12	+07	69	61	-	4	NW	4	b	#	b	84	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 Tuesday, 4th July, 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:

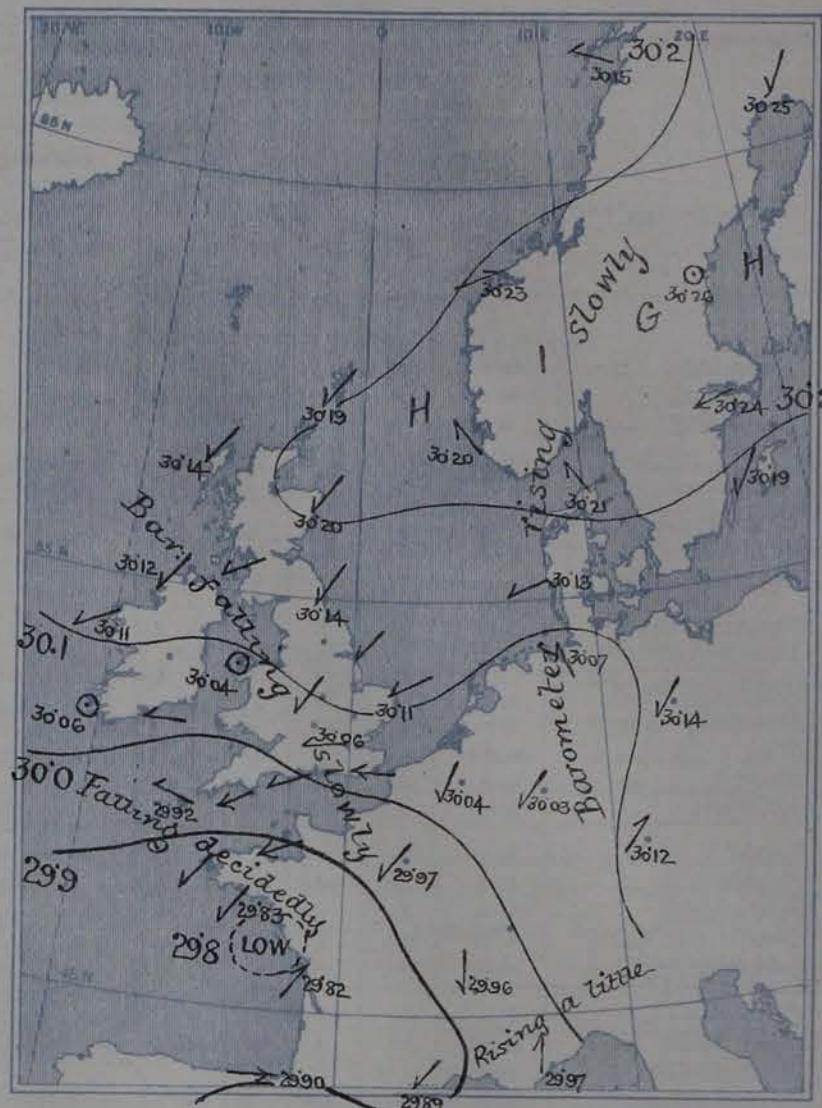
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871–1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.00
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.00
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Scilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	50.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.9	57.8	2.85

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 ins. and upwards in an anticyclone lying over Scandinavia, the northern parts of the North Sea, and the northeast of Scotland.

Lowest 29.9 ins. and less in a depression lying over the Bay of Biscay and the W^m parts of France. Gradients slight. Barometer falling in our islands and France, but rising over the greater part of Scandinavia, Denmark and Germany.

TEMPERATURE

Highest 77° at Perpignan, 76° at Lyons, 75° at Nice, 72° at Wiesbaden, 71° at Rochefort, & 70° at Biarritz. Lowest 50° at Whisky, 53° at Christiansund and Aldece, 55° at Helsingfors and Leith, and 56° at Sunning Head, Wick, Shields, York and Donaghadee.

During yesterday the thermometer over the inland parts of England rose to between 75° and 80°.

WIND

E^{ly} or NE^{ly} in our Islands and the north of France, light in force generally, but fresh at some of the Channel stations.

SW^{ly} or W^{ly} over the southwestern parts of France.

SE^{ly} on the eastern shores of the North Sea; variable over Germany and also over the N^m part of Scandinavia.

WEATHER

Fine over the southeastern parts of England, as well as in Sweden, Denmark, Germany and the east and south of France.

Dull elsewhere, with fog at Donaghadee, rain at Aldece and Brest, and thunder at Lorient.

Thunderstorms and heavy rain occurred yesterday over the northern parts of England; at York the rainfall amounted to 1.4 ins., and at Stoke-on-Trent to 1.8 ins. Thunder was heard at the North Foreland.

SEA

Moderate at some of the Channel stations, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the Bay of Biscay and the west of France appears to be spreading northwards, and unsettled weather is therefore likely to set in over the southern part of England, with local thunderstorms.

FORECASTS

For the 24 hours ending at NOON on 5TH JULY 1893.

DISTRICTS.

FORECASTS.

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

Light breezes, chiefly NE^{ly}, dull, rain locally.

E^{ly} and NE^{ly} winds, light or moderate; fine at first, unsettled later, with some rain and possibly thunder.

DISTRICTS.

FORECASTS.

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

Same as Nos 0 to 2.

E^{ly} winds moderate; cloudy, some rain, thunder locally.

Same as Nos 0 to 2.

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 ...	30.19	62	57	NW	4	bc	2	Valencia ...	30.18	71	67	ENE	2	cm	2
Sumburgh Head ...	30.20	57	56	WNW	2	m	2	Scilly ...	30.11	68	63	NNW	4	bc	2
Stornoway ...	30.21	64	59	E	2	bc	2	Jersey ...	30.11	66	61	WSW	3	b	3
Aberdeen ...	30.23	57	56	ENE	2	om	3	Hurat Castle ...	30.10	70	65	S	2	b	1
Shields ...	30.17	60	57	NNE	4	o	3	Dungeness ...	30.09	65	62	E	3	bc	2
Ardrossan ...	30.16	67	61	NW	2	c	1	North Foreland ...	30.10	62	58	E	3	bc	3
Malia Head ...	30.22	64	59	NNW	2	b	0	London (Westminster) ...	30.10	76	63	E	3	bc	*
Mullaghmore ...								Yarmouth ...	30.16	62	58	ENE	3	b	3
Belmullet ...	30.26	65	60	NNE	1	b	*	Rocheport ...	30.01	85	71	NW	3	b	*
Holyhead ...	30.18	60	58	N	3	b	2								

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

Weather fine and bright in the west and south of our Islands, and also over a considerable part of the Continent. Dull in the north and east of Great Britain, with fog at Wick and Shields, and rain at Aberdeen, dull and rainy at many of the Russian Stations. Severe thunderstorms and heavy rain occurring during day over the northern parts of England (1.4 inches of rain measured at York, and 1.8 inches at Stoke on Trent); thunder heard at the North Foreland, and lightning seen at Lyons.

Temperature fallen a little in most countries, but risen in the southwest of our Islands, as well as over Austria and northern Italy. Morning readings, highest 84° at Barcelona, 84° at Brindisi, 81° at Toulon and Tunis, and 80° at Trieste, Perpignan and La Calle; above 70° over southern Europe generally, and ranging between 65° and 71° over the southern parts of England. Lowest 46° at Archangel, 48° at Ulesborg and 52° at Petersburg, 49° at Haparanda, and 50° at Ulsby. Rising during day to between 75° and 80° over the inland parts of England; exceeding 85° at several of the French Stations, and reaching 91° at Lyons and Perpignan.

Wind light from the N. or NW. on most parts of our western and northern coasts, but E. over the eastern, central and southeastern parts of England, and NE. or N. in the west of France. NE. or N. over Scandinavia, Denmark, Finland and the Baltic, with a gale at Stockholm; light from the NW. or W. over Poland, Austria, Italy, the south of Russia; chiefly SW. in Spain, variable in Algeria. Subsequently shifting to the NE. or E. in most parts of the United Kingdom.

Barometer highest 30.3 ins. and upwards over the northern parts of Scandinavia; 30.2 ins. and upwards over Ireland and Scotland, 30.1 ins. and upwards over nearly the whole of northwestern Europe. Lowest 29.7 ins. and less in two large, but shallow depressions lying respectively over the north, and over the southwest of Russia; small and very shallow disturbance reported over the northeast of France. Slight fall of barometer taking place during day over France and the western and southern portions 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.

* 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, 5th July, 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 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.
	Inch.	°					Inch.	°	°	°							°	Inch.				
SCANDINAVIA.	Haparanda ...	30.12	58	W	2	b	30.12	-13	59	53	+1	SW	2	b	#	b	70	43	-			
	Hernösand ...	30.15	58	SSW	4	b	30.15	-11	61	51	+6	W	0	b	#	b	64	39	-			
	Stockholm ...	30.13	54	SE	2	b	30.04	-20	59	49	0	N	4	b	#	b	66	?	-			
	Wisby ...	30.13	51	EHE	4	b	30.02	-17	52	49	+2	NE	2	b	#	b	59	45	-			
	Bodö ...	30.11	60	NE	1	b	30.13	-02	54	51	-11	SW	4	c	2	b	65	54	-			
	Christiansund...	30.23	52	NSW	2	f	30.20	-03	54	52	+1	NE	2	f	2	f	55	52	-			
	Skudesnaes ...	30.15	57	NSW	2	bc	30.10	-10	58	55	+1	W	0	f	1	b, bc	66	52	-			
	Christiania Fjord (Færder)	30.11	64	S	4	b	30.03	-20	64	59	+3	NW	4	b	1	b	66	61	-			
	Skagen (The Scaw)	30.12	65	SW	1	b	30.06	-15	67	58	+2	NSW	3	b	1	b	77	57	-			
	Fanö ...	30.08	64	SE	2	b	30.04	-09	62	57	-1	SE	3	b	#	b	86	59	-			
BRITISH ISLANDS.	Sumburgh Head	30.17	54	NE	2	c	30.15	-04	53	51	-3	NE	2	o	3	o, c	58	50	0.01			
	Stornoway ...	30.05	62	E	3	b	30.04	-10	57	56	-2	SE	3	b	3	b	66	52	-			
	Wick ...	30.18	56	S	2	o	30.12	-10	54	53	-2	S	2	r	1	o	59	52	-			
	Nairn ...	30.07	58	NNE	2	o	30.08	-07	56	52	-3	EHE	1	o	1	o	62	51	-			
	Aberdeen ...	30.13	54	EHE	1	og	30.12	-08	53	51	0	E	1	og	1	c, og	58	53	-			
	Leith ...	30.08	54	EHE	2	o	30.07	-09	54	52	-1	EHE	4	om	#	o	57	51	-			
	Shields ...	30.05	56	NNE	2	d	30.02	-12	56	54	0	NNE	2	o	2	o, d	58	53	0.01			
	Spurn Head ...	29.99	57	NE	3	o	29.88	-23	61	57	+4	NNE	3	c	3	o	61	54	-			
	York ...	30.02	60	NE	2	o	29.95	-21	61	58	+5	N	2	c	#	o	63	53	-			
	Loughborough	29.96	63	NE	4	o	29.88	-25	58	56	0	N	2	opm	#	o	72	53	0.01			
GERMANY & HOLLAND.	Ardrossan ...	30.02	62	EHE	3	om	30.01	-10	55	53	-2	NE	3	om	2	om	63	52	0.01			
	Malin Head ...	30.04	58	NE	1	om	30.01	-11	55	54	-3	E	3	om	1	om	61	55	-			
	Mullaghmore ...																					
	Belmullet ...	30.05	64	NNE	2	bc	30.01	-10	64	61	+3	NE	1	b	#	bc	66	56	-			
	Donaghadee ...	30.00	61	NW	5	f	30.01	-10	54	54	-2	NNE	4	f	2	f	65	53	-			
	Liverpool (Bldston)	29.94	66	E	4	c	29.92	-17	63	57	+2	N	1	bc	1	c	74	53	-			
	Holyhead ...	29.93	62	NNE	2	ogm	29.94	-10	57	55	-0	NNE	4	ogm	3	c, ogm	71	55	-			
	Parsonstown ...	29.96	67	NE	1	o	30.00	-07	59	58	+3	W	0	f	#	o	70	55	-			
	Valencia ...	30.00	67	NW	2	bm	30.02	-04	62	61	-2	W	0	bm	1	om, bm	70	52	-			
	Roche's Point	29.96	65	E	1	c	29.98	-03	62	59	-3	N	1	bm	1	c	68	58	-			
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.89	64	NW	2	c	29.93	-07	58	58	-7	N	3	cq	2	c	69	58	-			
	Scilly ...	29.86	60	NW	4	OT	29.90	-02	63	61	-3	NW	4	m	2	r, o	66	58	0.18			
	Prawle Point ...	29.77	60	EHE	5	r	29.86	-08	57	56	-2	NNE	2	og	1	tlr	61	55	2.05			
	Jersey (St. Aubin's)	29.75	63	NNE	4	ogm	29.82	-05	59	57	-0	NW	3	odpm	3	tlr	69	52	1.15			
	Hurst Castle ...	29.81	61	NE	2	OTL	29.79	-19	57	56	-8	NNE	2	cap	2	tlr	70	55	0.91			
	Dungeness ...	29.76	63	E	6	c	29.74	-26	64	62	+3	E	1	o	1	c, tlr	65	59	0.57			
	North Foreland	29.84	60	NE	5	bcq	29.73	-30	62	61	+1	E	3	om	3	bc, tlr	62	58	0.08			
	London ...	29.86	66	E	2	o	29.78	-28	63	60	0	E	1	o	#	c, orl	73	54	0.29			
	Oxford ...	29.87	59	NE	3	o	29.82	-25	57	56	0	N	2	o	#	bc, or	74	53	0.22			
	Cambridge ...	29.91	64	N	4	bc	29.80	-29	62	61	+2	NW	4	o	#	bc	74	53	0.10			
PENINSULA.	Yarmouth ...	29.94	59	NE	4	c	29.81	-30	61	59	+4	EHE	4	c	#	c	61	55	-			
	Cuxhaven ...	30.09	68	E	4	b	30.05	-02	59	56	-8	E	4	b	#	b	72	58	-			
	Berlin ...	30.06	65	NE	4	b	30.02	-12	60	54	0	E	3	b	#	b	75	52	-			
	Wiesbaden ...	*	*	*	*	*	29.88	-15	63	58	-3	E	3	o	#	*	86	63	-			
	Munich ...	30.00	68	E	3	b	29.95	-17	67	61	+2	E	1	b	#	b	77	54	-			
	The Helder ...	29.92	69	NE	5	b	29.89	-25	64	58	+5	E	5	b	3	b	70	57	-			
	Brussels (9 a.m.)	*	*	*	*	*	29.80	-24	65	64	+5	SSW	2	t	#	o	86	60	0.12			
	Cape Gris Nez	29.77	61	ESE	5	o	29.73	-27	61	60	-1	E	4	m	4	o	63	59	0.59			
	Paris ...	29.71	77	SE	3	o	29.85	-12	66	60	-3	SW	3	b	#	ot	92	62	0.04			
	Brest ...	?	62	NW	2	r	?	?	61	60	0	NW	2	o	2	r	64	55	0.63			
FRANCE AND BELGIUM.	Lorient ...	29.85	64	N	5	c	29.88	+05	62	61	-5	NW	5	o	4	c	73	59	0.12			
	Rochefort ...	29.89	68	W	6	o	29.91	+09	65	64	-6	N	5	o	#	c, o	77	63	-			
	Belfort ...	?	82	SE	2	bc	?	?	66	61	-6	N	2	c	#	bc	88	60	-			
	Lyons ...	29.80	84	S	2	o	29.93	-03	70	61	-6	N	1	o	#	o, tl	93	66	-			
	Nice ...	29.89	73	SW	2	t	29.60	-37	73	68	0	W	0	c	1	t	84	64	-			
	Perpignan ...	29.87	82	NW	4	b	29.94	+05	72	62	-5	NW	4	o	#	b	89	70	-			
	Biarritz ...	30.01	70	N	4	c	30.04	+14	67	62	-3	NSW	4	r	2	c	73	64	-			
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
	Lisbon ...	30.10	66	NW	4	b	30.05	-07	69	63	0	N	5	b	#	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 Wednesday, 5th July, 1893.

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EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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→ = forces above 10; →→ = forces 8 to 10;
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○ = dead calm.

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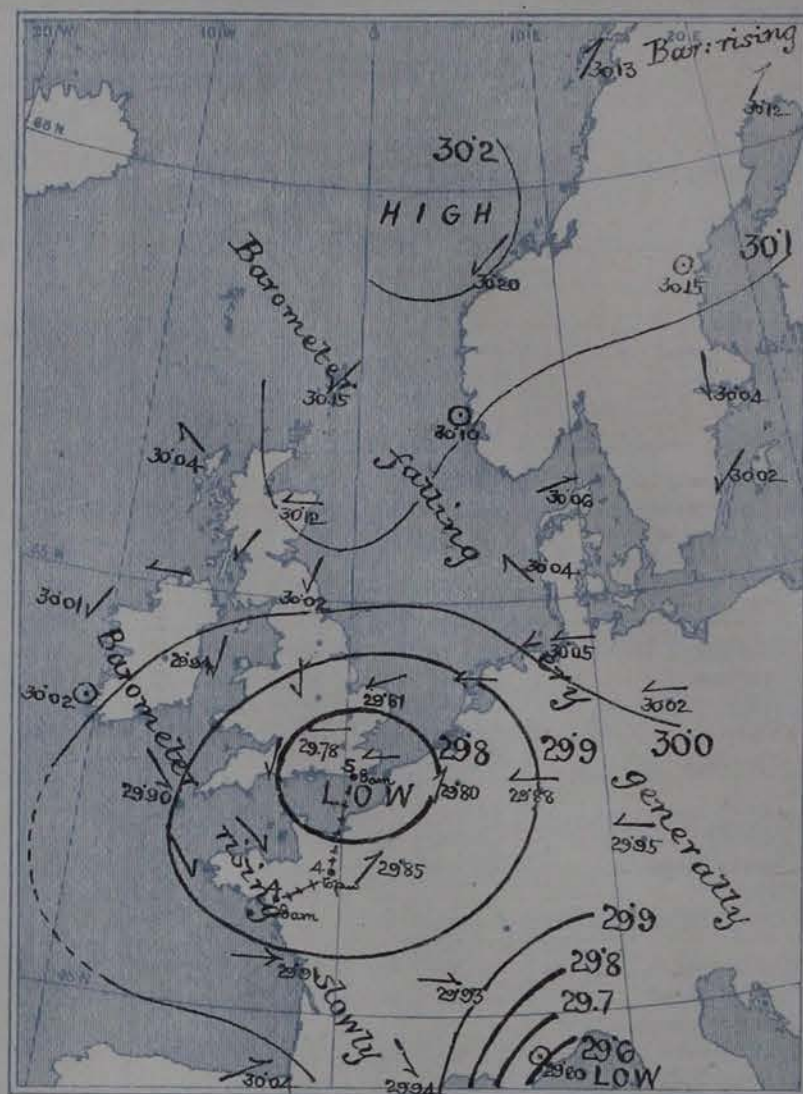
≡ = Rough. ≡ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
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Leith	29.844
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Spurn Head	29.900
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Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.860
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Seilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
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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.

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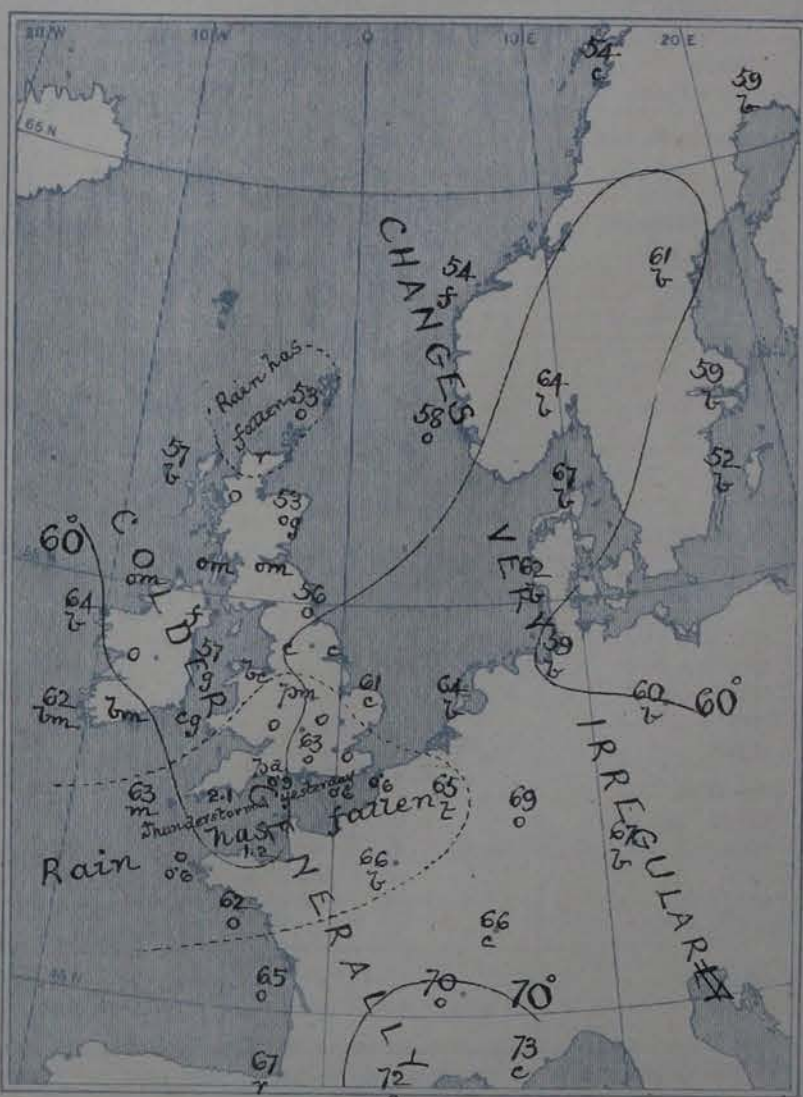
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen.....	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields.....	64.1	52.2	58.3	55.0	2.66
Spurn Head.....	65.1	55.2	59.5	56.8	1.74
York.....	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee.....	63.2	51.8	57.4	55.5	2.82
Holyhead.....	63.8	54.3	58.1	55.8	2.40
Liverpool.....	65.9	54.2	59.4	55.6	2.96
Parsonstown.....	66.4	51.5	58.1	54.8	2.06
Valencia.....	64.0	53.6	58.9	56.4	3.90
Roche's Point.....	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Seilly.....	64.4	56.2	60.2	58.1	2.46
Prawle Point.....	64.5	53.7	59.6	57.3	2.24
Jersey.....	68.3	56.2	62.0	58.9	2.40
Hurst Castle.....	67.8	55.5	61.1	58.8	2.20
Dover.....	66.8	56.3	61.9	58.4	1.95
LONDON.....	72.4	54.0	62.0	57.8	2.38
Oxford.....	69.6	53.4	60.0	56.6	2.58
Cambridge.....	71.9	52.2	61.3	57.7	2.42
Yarmouth.....	66.6	54.9	60.9	57.8	2.85

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 ins: and upwards in an anticyclone lying over Scandinavia, the northern part of the North Sea, and the northeast of Scotland.
 30.0 ins: and upwards over Spain and the southeast of France.
 Lowest, 29.6 ins: and less, in a depression lying over the Gulf of Genoa, 29.8 ins: and less, in a shallow but well-marked system lying over the southeast of England and the northeast of France.
 Gradients slight generally, but rather steep over the southeast of France.
 Barometer rising in most parts of Ireland, England, and France, but falling in Scandinavia, Denmark, and Germany.

TEMPERATURE

Highest, 73° at Nice, 72° at Perpignan, 70° at Lyons, 69° at Wiesbaden and Berlin, and 67° at Rügen, Munich, and Bismarck.
 Lowest, 53° at Lumburgh, 52° at Aberdeen, 54° at Brix, Christiania, and Wick, 55° at Donaghadee, and 55° at Andros and Malin Head.
 During yesterday the thermometer rose to 70° at Parsonstown and Valencia (Ireland) and to between 70° and 74° in many parts of England.

WIND

Light to moderate from the NE^{ly} or N^{ly} over the greater part of Ireland and England, and from the NW^{ly} or W^{ly} in the east and south of France.
 SW^{ly} over Belgium and the northeast of France; E^{ly} over Germany and the Netherlands.
 Light from the SE^{ly} in the north of Scotland; variable in Scandinavia.

WEATHER

Dull over the United Kingdom and France, with showers at some of the Channel stations, and with steady rain at Bismarck.
 Fine in Scandinavia, Denmark, and Germany, but thunder reported at Bismarck.
 Thunderstorms and heavy rain have occurred over the south of England and the north of France, the largest amounts reported this morning being 2.1 ins: at Prawle Point, 1.2 ins: at Jersey, and 0.9 ins: at Hurst Castle.

SEA

Light or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the southeast is inclined to move away to the eastward, and a gradual improvement in the weather seems probable over England.

FORECASTS

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

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | SE ^{ly} and E ^{ly} winds, light; dull, some rain. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | NE ^{ly} winds, light; dull, some rain. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | Same as No 5. |
| | | Variable or NE ^{ly} airs, dull and close at first with some rain, and possibly thunder improving later. |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | NE ^{ly} and N ^{ly} winds, light; cloudy, rain locally. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | N ^{ly} and NW ^{ly} winds, moderate; fair generally. |
| 9 | IRELAND NORTH | N ^{ly} or NE ^{ly} winds, light; fair generally. |
| 10 | IRELAND SOUTH | |

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.17	66	59	W	2	b	2	Valencia ...	30.01	67	63	NNE	2	om	2
Sumburgh Head ...	30.19	57	57	NE	1	o	3	Scilly ...	29.87	62	60	ENE	2	r	3
Stornoway ...	30.10	65	61	SE	3	b	3	Jersey ...	29.81	64	63	NNW	3	okt	3
Aberdeen ...	30.15	57	54	E	2	c	1	Hurst Castle ...	29.85	67	64	ENE	4	r	3
Shields ...	30.09	58	56	NE	2	o	2	Dungeness ...	29.88	64	62	E	6	c	5
Ardrossan ...	30.05	62	58	ENE	3	o	2	North Foreland ...	29.93	59	56	ENE	5	c	5
Malin Head ...	30.06	60	57	NNE	1	o	0	London (Westminster) ...	29.93	71	61	ENE	3	bc	*
Mullaghmore ...								Yarmouth ...	30.02	60	56	NE	4	c	4
Belmullet ...	30.06	66	58	NNE	2	bc	*	Rochefort ...	29.87	75	72	WN	5	c	*
Holyhead ...	30.01	67	62	NNE	2	om	2								

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

Weather in morning fine and light in the extreme south-western, southern, south-eastern and central parts of Europe, as well as over the southeast of England, Denmark, Sweden and Lapland, cloudy or overcast elsewhere, rainy, thundery, and unsettled over Brittany. Heavy rain later over the Channel and south of England, and smaller quantities in the north of France, with thunder and lightning in all those regions as well as at Lyons. Very slight showers at some of our northern stations.

Temperature fallen decidedly over England as well as over Central Europe. Morning readings 80° to 87° at many of the Mediterranean stations, and above 70° over southern Europe generally, below 60° over Norway and the north of our Islands, Sweden, and Finland, and lowest of all 45° at Archangel, 46° at St. Petersburg, 48° at Kuopio, 51° at Hangö and Riga, and 53° at Aberdeen. Rising later to 83° at Lyons, 92° at Paris, and 86° at Brussels, but failing to reach 75° at any of our own stations.

Wind moderate N² to NE² over Ireland and the Baltic, SE² on the eastern shores of the North Sea, NE² over Germany, the Netherlands, and E² over the Channel and south of England; W², however, over Spain and the south-west of France, as well as over Austria and Hungary; SW² over southern Russia. Shifting to the W² and SW² over the north of France and the Netherlands later, and backing to N. over the greater part of England.

Barometer highest 30.2 ins: and more to 30.1 ins: in an anticyclone of irregular form covering the whole of Scandinavia and the greater part of northwestern Europe, and 30.1 ins: and more to 30.0 ins: over the southwestern half of Spain and the southern side of the Mediterranean. Lowest 29.7 ins: and less, in a depression over the southwest of Russia, and about 29.8 ins: in another over the west of France and Bay of Biscay. Latter depression moving northwards later to the Straits of Dover, and a new one appearing over the Gulf of Genoa.

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 Thursday 6th July,

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.	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.								
Ins.	°			Ins.	°	°	°								Ins.						
SCANDINAVIA.	Haparanda ...	30.02	60	Z	0	b	30.02	-10	61	55	+ 2	S	2	b	#	b	70	46	—		
	Hernösand ...	30.04	58	Z	0	b	30.01	-14	60	55	- 1	Z	0	b	#	b	70	50	—		
	Stockholm ...	30.01	59	N	2	b	29.99	-05	62	53	+ 3	NNW	2	b	#	b	70	45	—		
	Wisby ...	29.99	58	NNW	4	b	29.97	-05	56	52	+ 4	N	4	b	#	b	61	43	—		
	Bodö ...	?	53	?	1	o	30.13	00	54	51	0	N	1	o	1	o	55	50	—		
	Christiansund...	30.20	54	NE	4	f	30.17	-03	53	50	- 1	ENE	?	f	2	f	61	52	—		
	Skudesnaes ...	30.08	58	NN	4	o	30.06	-04	57	54	- 1	NN	2	o	2	o	64	54	—		
	Christiania Fjord (Færder)	29.98	68	ESE	4	b	30.00	-03	66	63	+ 2	NE	1	b	0	b	73	63	—		
	Skagen (The Scaw)	30.01	62	W	1	b	29.99	-07	64	60	- 3	W	3	b	1	b	73	57	—		
	Fanö ...	30.02	60	Z	0	b	30.03	-01	64	57	+ 2	Z	0	b	#	b	75	52	—		
BRITISH ISLANDS.	Sumburgh Head	30.16	55	NE	2	b	30.12	-03	55	53	+ 2	NE	4	b	4	b	59	50	—		
	Stornoway ...	30.03	62	NE	3	b	29.99	-05	59	57	+ 2	SE	3	c	3	b	64	52	—		
	Wick ...	30.14	55	S	3	o	30.12	00	54	53	0	S	3	o	2	o	57	51	—		
	Nairn ...	30.06	59	E	2	b	30.07	-01	59	56	+ 3	Z	0	o	0	b	63	51	—		
	Aberdeen ...	30.13	55	ESE	1	o	30.13	+01	52	51	- 1	SSE	1	ogm	2	o	58	51	—		
	Leith ...	30.09	53	ENE	2	o	30.10	+03	57	53	+ 3	ENE	2	b	#	o	57	50	—		
	Shields ...	30.06	57	NNE	3	o	30.10	+08	55	52	- 1	NNE	2	o	3	o	59	52	—		
	Spurn Head ...	29.96	60	NNE	4	b	30.03	+15	61	57	0	NE	4	b	4	b	65	55	—		
	York ...	30.00	57	NNE	2	b	30.07	+12	62	57	+ 1	NNE	2	b	#	b	74	47	—		
	Loughborough	29.95	68	NNE	3	b	30.05	+17	62	57	+ 4	NNE	2	b	#	b	75	52	—		
GERMANY & HOLLAND.	Ardrossan ...	30.01	65	NE	4	b	30.03	+02	62	56	+ 7	NE	3	b	1	b	67	50	—		
	Malin Head ...	30.00	57	E	2	b	29.99	-02	59	54	+ 4	SSE	2	om	1	b	61	55	—		
	Mullaghmore ...	29.98	68	NNE	1	b	29.94	-07	62	60	- 2	ESE	1	o	#	b	75	57	0.21		
	Belmullet ...	30.01	63	NNW	4	b	30.05	+04	57	55	+ 3	ESE	4	m	2	b	67	53	—		
	Donaghadee ...	29.94	73	ENE	3	b	30.03	+11	64	57	+ 1	ESE	2	b	2	b	75	53	—		
	Holyhead ...	29.93	62	NNW	1	b	30.00	+06	64	60	+ 7	Z	0	b	0	com, b	65	56	—		
	Parsonstown ...	29.98	70	NE	1	b	29.95	+05	63	62	+ 4	Z	0	o	#	b	71	53	—		
	Valencia ...	30.02	64	WSW	2	b	29.96	-06	64	63	+ 2	S	2	o	2	b	67	57	—		
	Roche's Point	30.00	65	SE	2	b	30.00	+02	62	59	0	SE	2	o	2	b	69	56	—		
	Pembroke (St. Ann's Hd.)	29.94	63	N	3	b	30.00	+07	62	61	+ 4	SE	2	c	1	b	67	57	—		
FRANCE AND BELGIUM.	Scilly ...	29.98	63	NN	4	b	30.00	+10	64	61	+ 1	WSW	1	b	0	b	66	59	—		
	Prawle Point ...	29.91	65	N	1	c	29.99	+13	64	62	+ 7	SW	1	b	0	c	69	56	—		
	Jersey (St. Aubin's)	29.91	61	NNW	3	o	29.98	+16	66	63	+ 7	WSW	3	b	3	ogm	66	52	0.04		
	Hurst Castle ...	29.84	67	NNW	1	c	29.98	+19	63	60	+ 6	ENE	2	b	1	o, om	69	56	—		
	Dungeness ...	29.83	65	WSW	2	b	29.94	+20	66	62	+ 2	ENE	2	b	1	b, b	69	56	—		
	North Foreland	29.84	63	NE	2	c	29.94	+21	64	61	+ 2	N	3	b	3	b, c	69	59	—		
	London ...	29.85	72	NE	2	c	29.98	+20	64	60	+ 1	ENE	1	b	#	o, b, b	74	55	—		
	Oxford ...	29.91	64	NNE	3	b	29.99	+17	63	58	+ 6	NNE	2	b	#	b	77	53	—		
	Cambridge ...	29.89	70	N	4	b	30.00	+20	65	60	+ 3	NNE	3	b	#	b	75	53	—		
	Yarmouth ...	29.88	63	NE	4	b	30.00	+19	63	60	+ 2	ENE	3	b	3	b	64	58	—		
PENINSULA.	Cuxhaven ...	30.01	65	E	3	b	30.05	00	64	60	+ 5	ESE	1	b	#	b	69	59	—		
	Berlin ...	29.97	68	NE	4	b	29.96	-06	64	57	+ 4	Z	0	b	#	b	77	55	—		
	Wiesbaden ...	?	#	#	#	#	29.94	+06	68	65	- 1	E	1	c	#	#	72	61	0.28		
	Munich ...	29.94	60	SW	5	o	29.97	+02	67	62	0	SW	3	c	#	o	79	59	0.35		
	The Helder ...	29.93	67	NE	5	b	30.03	+14	64	58	0	NE	3	b	3	b	70	63	—		
	Brussels (9 a.m.)	?	#	#	#	#	29.94	+14	68	65	+ 3	NNW	1	b	#	r	77	57	0.08		
	Cape Gris Nez	29.83	65	Z	0	o	29.91	+18	63	61	+ 2	NE	1	b	2	o	68	59	—		
	Paris ...	29.85	65	S	2	o	29.95	+10	63	61	- 3	NNE	2	o	#	o	69	61	0.82		
	Brest ...	?	66	NNW	3	m	?	?	60	60	- 1	NNW	2	m	3	m	68	55	—		
	Lorient ...	29.94	66	W	6	b	30.01	+13	61	60	- 1	NNW	3	c	3	b	70	59	—		
PENINSULA.	Rocheport ...	29.96	68	NNW	5	c	29.96	+05	65	63	0	NW	3	b	#	c	72	63	—		
	Belfort ...	?	72	NN	2	b	?	?	66	58	0	W	2	o	#	b	78	59	—		
	Lyons ...	29.90	73	NNW	1	o	29.95	+02	62	57	- 8	NW	2	o	#	o	80	60	—		
	Nice ...	29.79	74	Z	0	b	29.91	-09	73	69	0	E	1	b	0	b	81	64	—		
	Perpignan ...	29.93	76	NN	4	o	30.00	+06	70	61	- 2	NN	5	b	#	o	82	66	—		
	Biarritz ...	30.06	69	NNW	5	c	30.03	-01	68	63	+ 1	NNW	3	o	2	#	73	64	—		
	Corunna ...	?	#	#	#	#	29.97	-08	73	66	+ 4	N	4	b	#	b	81	64	—		
	Lisbon ...	29.99	69	NNW	5	b	29.97	-08	73	66	+ 4	N	4	b	#	b	81	64	—		

For Explanation of Columns, see bottom of last page.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.09	64	57	W	2	2	2	Valencia ...	30.01	66	64	WSW	2	bm	2
Sumburgh Head ...	30.15	59	55	NE	3	bm	2	Scilly ...	29.95	65	60	NN	4	m	3
Stornoway ...	30.04	64	60	SE	3	b	3	Jersey ...	29.87	60	58	NNW	3	0	3
Aberdeen ...	30.18	59	53	E	1	0	1	Hurst Castle ...	29.84	63	62	NNW	2	0	1
Shields ...	30.05	58	56	NNE	3	0	2	Dungeness ...	29.79	67	63	SW	2	b	1
Ardrossan ...	30.00	66	60	NE	5	b	2	North Foreland ...	29.81	69	65	NE	2	bm	3
Malin Head ...	30.03	60	56	ENE	2	b	0	London ...	29.81	73	66	ENE	2	0	*
Mullaghmore ...								Yarmouth ...	29.87	64	61	ENE	5	b	4
Belmullet ...	30.00	71	65	NNW	1	b	#	Rochefort ...	29.94	70	67	WNW	5	0	*
Holyhead ...	29.95	63	59	NNW	3	cm	3								

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

Weather in morning fine and bright over Sweden, the Baltic, Central and Southern Europe - also in Ireland and the west of Scotland; cloudy or overcast elsewhere, with rain in several parts of England. An very close in latter regions. Rain falling later at Jersey and also at Belmullet, as well as in several parts of Germany, Belgium and the northeast of France, but sky clearing slowly over England.

Temperature fallen over Southern and Southeastern Europe, changing fitfully in the British Islands and their neighbourhood. Highest 80° to 88° on many parts of the Mediterranean coast & above 70° over Southern Europe as a whole, above 60° all over France and the greater part of Ireland and England, lower elsewhere. Lowest 45° at St. Petersburg, 49° at Kiev, 50° at Riga & Kustpis, 51° at Archangel. Rising later to between 70° and 77° over England and to 80° + more in the South of France.

Wind light to moderate generally, and variable in direction. Two Cyclonic and two anticyclonic circulations shown - the former over our Islands and Russia, the latter over Southwestern Europe and Scandinavia. Direction N^W to N^E over Ireland & England, N^W to N^E over the Baltic, Eastern Prussia, and Hungary. Little change later.

Barometer highest 30.2 in. to 30.0 in. over Scandinavia, Scotland and Ireland & 30.1 in. and more to 30.0 in. over Portugal the north of Spain and the Southwest of France. Lowest 29.7 and less in a depression over the southern half of Russia, 29.8 in. and less in two others - one over the Southeast of England and northeast of France, the other off the coast of the Riviera. System over our southeastern countries filling up steadily 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

Friday, 7th July,

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 ...	29.93	62	N	2	bc	29.95	-0.07	62	57	+1	N	2	bc	#	bc	75	48	-		
	Hernösand ...	29.97	59	N	0	b	29.95	-0.06	62	53	+2	WNW	2	b	#	b	70	43	-		
	Stockholm ...	29.97	63	N	0	b	29.97	-0.02	68	57	+6	WNW	2	b	#	b	73	48	-		
	Wisby ...	30.00	57	N	2	b	29.98	+0.01	62	57	+6	N	2	b	#	b	66	48	-		
	Bodö ...	30.13	53	N	2	bc	30.14	+0.01	52	48	-2	N	2	0	1	bc	55	50	-		
	Christiansund...	30.13	55	NNE	4	c	30.08	-0.09	56	52	+3	NE	3	b	2	c	59	50	-		
	Skudesnaes ...	30.03	57	NW	4	c	30.04	-0.02	57	55	0	WNW	2	0	1	c	61	52	-		
	Christiania Fjord (Færd)	29.96	65	ESE	3	0	30.00	-0.00	64	61	-2	SSE	1	c	1	0	70	63	-		
	Skagen (The Scaw)	29.98	59	N	3	b	29.99	-0.00	61	57	-3	WNW	2	0	1	b	68	54	-		
	Fanö ...	30.06	59	N	0	b	30.07	+0.04	60	58	-4	NW	2	b	#	b	77	55	-		
BRITISH ISLANDS.	Sumburgh Head	30.06	54	E	3	c	29.99	-1.13	55	53	0	SE	3	0	4	c	58	51	0.10		
	Stornoway ...	29.96	62	SW	2	0	29.82	-1.17	60	59	+1	NE	2	0	2	0	66	54	-		
	Wick ...	30.04	55	S	3	0	29.93	-1.19	58	56	+4	S	2	0	1	0	60	53	-		
	Nairn ...	29.98	61	NE	1	c	29.89	-1.18	60	59	+1	N	0	0	1	c	63	55	-		
	Aberdeen ...	30.07	53	SSE	2	0	30.00	-1.13	55	53	+3	S	2	ogm	2	og	56	52	-		
	Leith ...	30.01	58	EHE	1	0	29.94	-1.16	58	56	+1	EHE	1	0	#	0	64	54	-		
	Shields ...	30.06	56	E	3	0	29.97	-1.13	60	56	+5	SE	2	b	3	0	61	53	-		
	Spurn Head ...	30.03	59	NE	3	bc	30.01	-0.02	56	54	-5	ESE	3	c	3	bcf	63	52	-		
	York ...	30.05	66	E	2	bc	30.01	-0.06	61	57	-1	ESE	1	b	#	bc	76	52	-		
	Loughborough	30.00	75	E	3	c	30.00	-0.05	69	58	+7	E	1	b	#	c	81	55	-		
GERMANY & HOLLAND.	Ardrossan ...	29.96	71	NE	2	om	29.88	-1.15	66	61	+4	NE	1	cm	1	om	72	55	-		
	Malin Head ...	29.90	64	SE	2	om	29.77	-1.22	64	59	+5	SSE	4	0	1	om	65	57	0.01		
	Mullaghmore ...	29.88	69	SW	2	0	29.71	-1.23	65	60	+3	SE	4	c	#	bc	70	60	0.16		
	Belmullet ...	29.90	60	SE	2	m	29.89	-1.16	59	58	+2	SE	5	m	3	m	63	55	-		
	Donaghadee ...	29.96	71	NE	2	om	29.88	-1.15	66	61	+4	NE	1	cm	1	om	72	55	-		
	Liverpool (Bidston)	29.96	74	ESE	3	b	29.92	-1.11	71	65	+7	SE	2	b	2	b	78	59	-		
	Holyhead ...	29.96	66	WNW	1	c	29.91	-0.09	61	59	-3	N	0	bcnw	0	c	68	57	-		
	Parsonstown ...	29.90	71	N	0	0	29.80	-1.15	65	63	+2	SE	2	0	#	0	72	57	-		
	Valencia ...	29.89	63	SSE	4	rm	29.70	-1.26	64	62	0	SSE	7	0	6	c,rm	68	60	0.68		
	Roche's Point	29.96	64	SE	3	c	29.81	-1.19	63	60	+1	S	3	c	3	c	70	57	-		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.98	64	NW	2	b	29.90	-1.10	61	61	-1	ESE	3	bm	2	b	67	56	-		
	Scilly ...	30.00	68	SW	1	b	29.88	-1.12	64	62	0	SSE	3	0	3	b	68	60	-		
	Prawle Point ...	29.94	63	WNW	3	bc	29.96	-1.03	67	63	+3	E	2	bcnw	1	bcf	67	58	-		
	Jersey (St. Aubin's)	29.99	71	WNW	3	b	29.96	-1.02	64	62	-2	ESE	4	f	1	b	77	61	-		
	Hurst Castle ...	29.99	67	SW	2	bm	29.98	-1.00	69	65	+6	E	1	bm	1	bm	73	59	-		
	Dungeness ...	29.98	66	E	3	b	29.98	+0.04	67	63	+1	E	1	b	1	b	73	52	-		
	North Foreland	29.98	64	NE	1	b	29.97	+0.03	60	59	-4	NE	1	f	2	b	66	57	-		
	London ...	29.98	75	E	2	bc	30.00	+0.02	70	62	+6	NE	1	b	#	b	84	55	0.01		
	Oxford ...	29.98	73	SE	2	p	29.98	-0.01	70	59	+7	SE	2	b	#	bc,p,l	83	57	-		
	Cambridge ...	29.98	78	E	2	bc	30.00	0.00	66	59	+1	E	1	b	#	bc	86	50	-		
PENINSULA.	Yarmouth ...	30.03	66	NE	2	b	30.00	0.00	62	60	-1	NE	2	b	2	b,f	67	55	-		
	Cuxhaven ...	30.07	68	N	2	b	30.12	+0.07	68	64	+4	EHE	1	b	#	b	71	64	-		
	Berlin ...	29.98	72	NE	3	bc	30.06	+0.10	69	60	+5	NW	3	b	#	bc	81	61	-		
	Wiesbaden ...	#	#	#	#	#	30.04	+0.10	69	#	+1	E	3	b	#	#	81	63	-		
	Munich ...	30.00	62	N	0	b	30.08	+0.11	63	59	-4	N	0	b	#	b	77	54	0.04		
	The Helder ...	30.04	66	NE	5	b	30.05	+0.02	69	62	+5	ESE	1	b	1	b	68	63	-		
	Brussels (9 a.m.)	#	#	#	#	#	29.99	+0.05	75	65	+7	WNW	1	b	#	b	82	56	-		
	Cape Gris Nez	29.95	64	EHE	2	b	29.96	+0.05	62	61	-1	EHE	1	b	1	b	70	59	-		
	Paris ...	29.97	75	NW	1	b	29.99	+0.04	68	64	+5	ENE	1	b	#	b	78	59	-		
	Brest ...	#	65	N	2	m	#	#	63	62	+3	E	2	b	2	m	68	55	-		
FRANCE AND BELGIUM.	Lorient ...	29.98	67	N	4	c	#	#	63	62	+2	ESE	3	b	2	c	73	61	-		
	Rochefort ...	29.97	69	WNW	4	m	29.93	-0.03	64	64	-1	SE	3	m	#	m	73	63	-		
	Belfort ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	-		
	Lyons ...	29.93	71	WNW	3	bc	29.96	+0.25	69	62	-4	N	1	b	#	bc	74	61	0.32		
	Nice ...	29.79	69	SW	1	c	29.88	+0.17	73	61	0	E	1	b	1	c	77	63	-		
	Perpignan ...	29.93	79	NW	3	b	29.93	-0.07	73	65	+3	N	2	b	#	b	83	64	-		
	Biarritz ...	30.00	72	N	2	b	29.89	-0.14	65	60	-3	ESE	2	b	2	b	77	59	-		
	Corunna ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	-		
	Lisbon ...	29.93	69	WNW	5	b	29.99	+0.02	69	62	-4	N	4	b	#	b	86	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 7th July, 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 shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

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

SEA DISTURBANCE—Where considerable, is shewn thus:

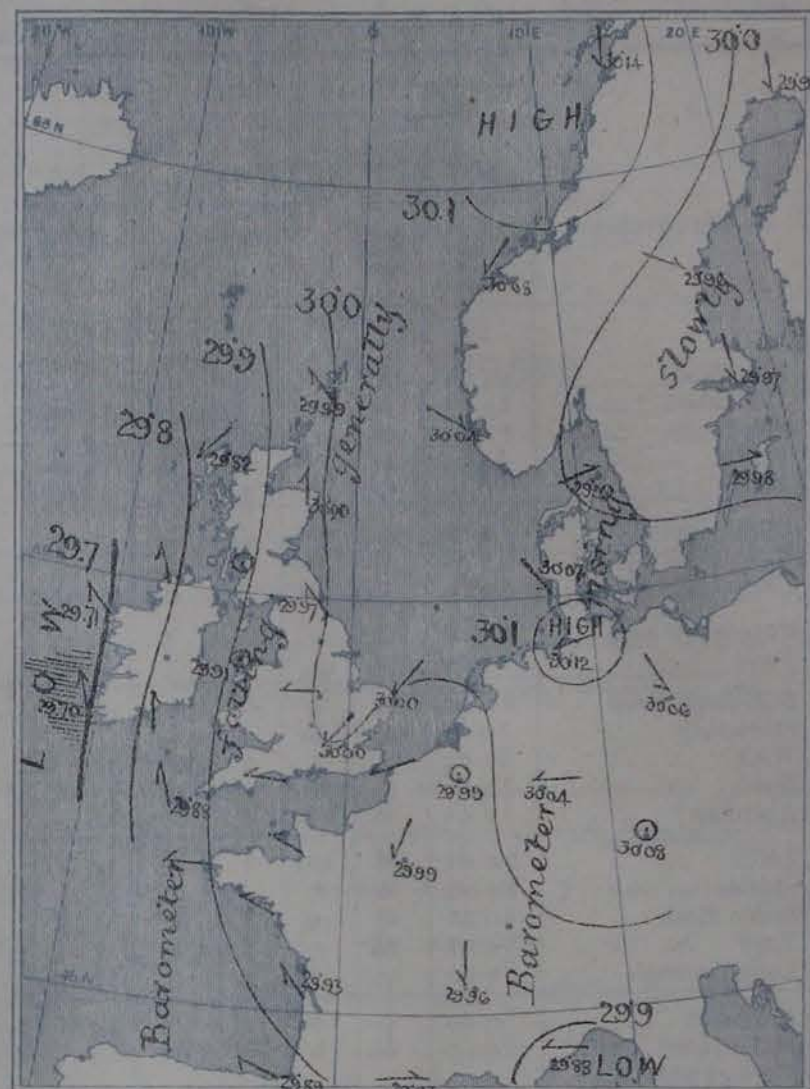
▨ = Rough. ▩ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.793
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Seilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

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

STATIONS.	TEMPERATURE.				RAINFALL. (inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway.....	60.2	48.9	55.5	53.0	3.02
Wick.....	61.8	48.7	55.8	53.5	2.34
Nairn.....	64.3	50.9	56.7	53.3	2.59
Aberdeen.....	63.9	50.6	57.5	53.9	2.78
Leith.....	66.7	51.2	58.4	54.9	2.85
Shields.....	64.1	52.2	58.3	55.0	2.06
Spurn Head.....	65.1	55.2	59.5	56.8	1.74
York.....	68.7	51.9	59.2	55.9	2.70
Loughborough.....	71.5	52.6	61.4	57.6	2.34
Ardrossan.....	63.5	52.8	57.3	54.6	2.91
Mullaghmore.....	62.9	54.0	57.2	54.4	3.72
Donaghadee.....	63.2	51.8	57.4	55.5	2.82
Holyhead.....	63.8	54.3	58.1	55.8	2.40
Liverpool.....	65.9	54.2	59.4	55.6	2.96
Parsonstown.....	66.4	51.5	58.1	54.8	2.96
Valencia.....	64.0	53.6	58.9	56.4	3.90
Roche's Point.....	66.1	53.2	58.8	55.9	3.29
Pembroke.....	62.5	54.8	58.0	56.0	2.54
Seilly.....	64.4	56.2	60.2	58.1	2.46
Prawle Point.....	64.5	53.7	59.6	57.3	2.24
Jersey.....	68.3	56.2	62.0	58.9	2.40
Hurst Castle.....	67.8	55.5	61.1	58.8	2.20
Dover.....	66.8	56.3	61.9	58.4	1.95
LONDON.....	72.4	54.0	62.0	57.8	2.38
Oxford.....	69.6	53.4	60.0	56.6	2.58
Cambridge.....	71.9	52.2	61.3	57.7	2.42
Yarmouth.....	66.6	54.9	60.9	57.8	2.85

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 lying off the west of Norway.
	Lowest, 29.7 in. and less, in a depression lying off the west of Ireland.
	Gradients slight. Barometer falling in our Islands and the west of France, but rising elsewhere.
TEMPERATURE	Highest, 75° at Brussels, 73° at Nice and Perpignan, 71° at Liverpool, and 70° in London and at Oxford.
	Lowest, 52° at Paris, 55° at Edinburgh, 44° at Aberdeen, 50° at Chateaufort, and 58° at Wick and Leth.
	During yesterday the thermometer rose to 80° or more at several of the English stations, the highest reading of all being 86° at Cambridge.
WIND	SE on the west coasts of our Islands and France, with a moderate gale at Valencia (Ireland).
	Light from the S ^W in Scotland, and from the E ^W over the eastern and southern parts of England.
	N or NW at most of the Scandinavian stations; variable over Germany and the Netherlands; N over the central parts of France.
WEATHER	Bell in Ireland and Scotland, but fine and bright in nearly all other parts of Western Europe.
	Rain fell yesterday in the Hebrides and the west of Ireland, — heavily at Valencia (Ireland).
SEA	Light or smooth generally, but rough at Valencia (Ireland).

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the west of Ireland will probably move northwards, and occasion freshening S^W winds, and rain, in Scotland. The weather over England is likely to remain fine for the present.

FORECASTS

For the 24 hours ending at NOON on 8th JULY, 1893.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S ^W winds, freshening; drizzle, rain locally.	6 SCOTLAND WEST	E ^W to S ^W winds, light to fresh; cloudy, some rain.
1 SCOTLAND EAST		7 ENGLAND N.W.	SE ^W winds, moderate; fair generally.
2 ENGLAND N.E.	SE ^W winds, light; fair generally.	8 ENGLAND S.W.	
3 ENGLAND EAST	Same as No 5.	9 IRELAND NORTH	S ^W and SE ^W winds, fresh or strong; drizzle, some rain.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH	E ^W winds, light; fine, warm.	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.

WEATHER CHARTS

for 8 a.m. on Friday 7th July, 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 shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:

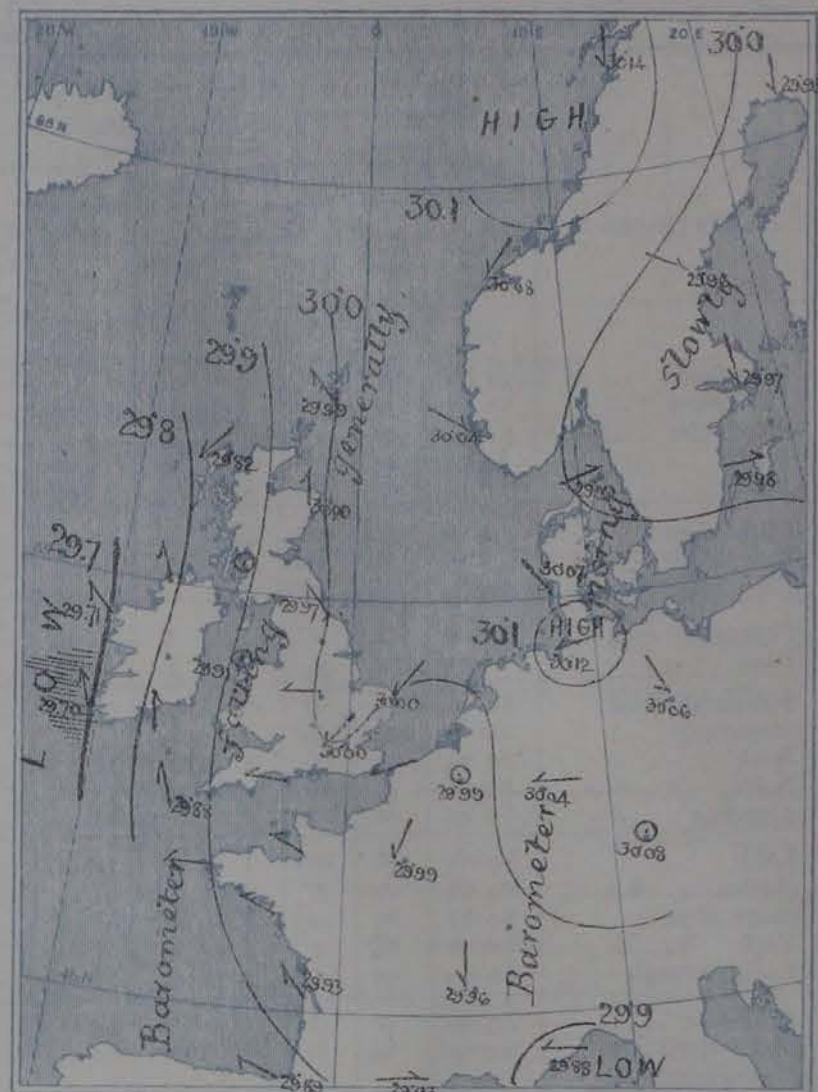
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.900
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Seilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

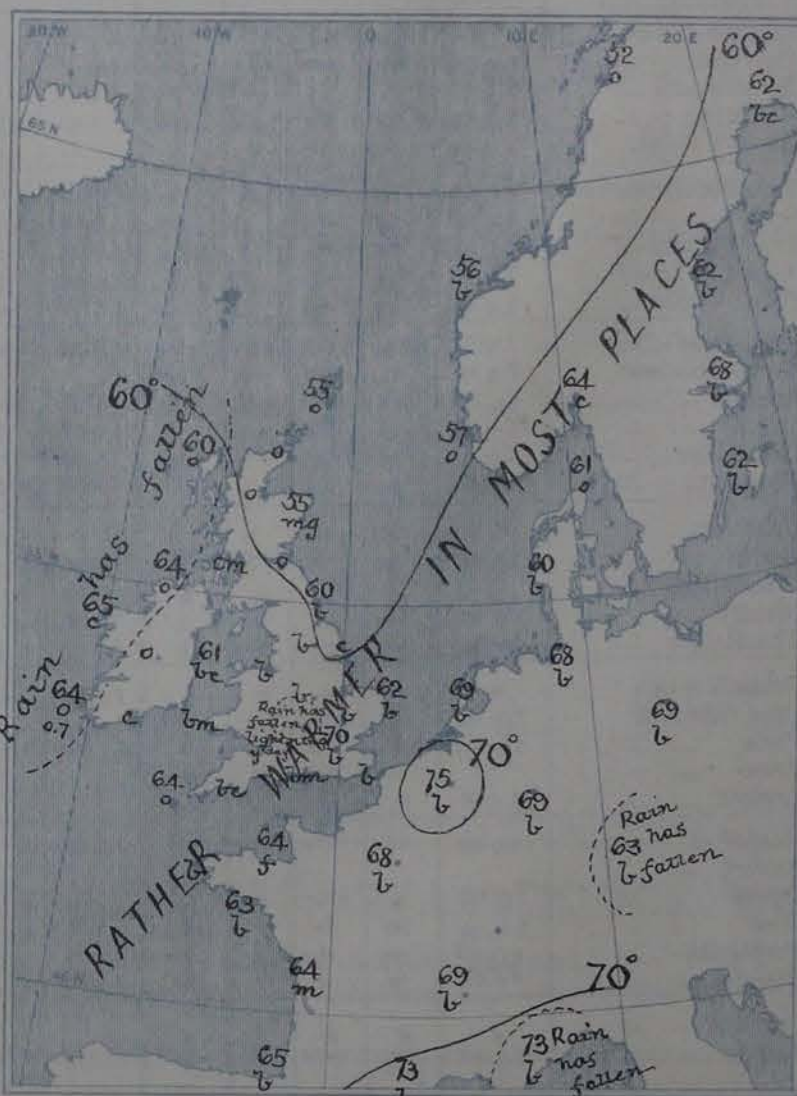
WEATHER—is shown by Letters of the Beaufort Scale.

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

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

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.25
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Seilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	68.6	54.0	60.9	57.8	2.85

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	<p>Highest, 30.1 in. and upwards, in an anticyclone lying off the west of Norway.</p> <p>Lowest, 29.7 in. and less, in a depression lying off the west of Ireland.</p> <p>Gradients slight. Barometer falling in our Islands and the west of France, but rising elsewhere.</p>
TEMPERATURE	<p>Highest, 75° at Brussels, 73° at Nice and Perpignan, 71° at Liverpool, and 70° in London and at Oxford.</p> <p>Lowest, 52° at Oslo, 55° at Seville, 54° at Aberdeen, 56° at Christiania, and 58° at Wick and Perth.</p> <p>During yesterday the thermometer rose to 80° or more at several of the English stations, the highest reading of all being 86° at Cambridge.</p>
WIND	<p>SE³ on the west coast of our Islands and France, with a moderate gale at Valencia (Ireland).</p> <p>Light from the S³ in Scotland, and from the E³ over the eastern and southern parts of England.</p> <p>N¹ or NW² at most of the Scandinavian stations; variable over Germany and the Netherlands; N¹ over the central part of France.</p>
WEATHER	<p>Bull in Ireland and Scotland, but fine and bright in nearly all other parts of Western Europe.</p> <p>Rain fell yesterday in the Hebrides and the west of Ireland, — heavily at Valencia (Ireland).</p>
SEA	<p>Light or smooth generally, but rough at Valencia (Ireland).</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the west of Ireland will probably move northwards, and occasion freshening S⁴ winds, and rain, in Scotland. The weather over England is likely to remain fine for the present.

FORECASTS

For the 24 hours ending at NOON on 8th JULY, 1893.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S ² winds, freshening; dull, rain locally.	6 SCOTLAND WEST	E ² to S ² winds, light to fresh; cloudy, some rain.
1 SCOTLAND EAST		7 ENGLAND N.W.	SE ² winds, moderate; fair generally.
2 ENGLAND N.E.	SE ² winds, light; fair generally.	8 ENGLAND S.W.	
3 ENGLAND EAST	Same as No 5.	9 IRELAND NORTH	S ² and SE ² winds, fresh or strong; dull, some rain.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH	E ² winds, light; fine, warm.	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 ...	30.04	60	56	W	4	c	2	Valencia ...	29.93	68	65	SSE	4	c	4
Sumburgh Head	30.10	56	54	E	3	c	4	Scilly ...	30.00	68	62	WSE	2	b	0
Stornoway ...	29.98	66	57	SW	2	0	3	Jersey ...	30.00	70	66	WSE	2	b	1
Aberdeen ...	30.12	54	53	SSE	2	og	2	Hurst Castle	29.99	64	65	ESE	2	b	1
Shields ...	30.09	59	55	NE	2	c	3	Dungeness...	29.97	66	62	NE	1	b	3
Ardrossan ...	30.00	70	65	NE	1	0	1	North Foreland...	29.97	81	67	E	2	b	*
Malin Head ...	29.94	63	58	SE	3	0	1	London ...	30.03	67	62	NE	3	b	3
Mullaghmore ...	29.91	70	64	SSE	2	bc	*	Yarmouth ...	29.98	73	68	WSE	4	m	*
Belmullet ...	29.91	66	60	WSE	1	c	2	Rochefort ...							
Holyhead ...	29.99														

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

Weather in morning fine and bright over the greater part of southwestern, central and eastern Europe, as well as over England, Denmark, and Sweden; cloudy or overcast elsewhere, foggy at Christiansund, raining in several parts of Finland. Heavy rain at Valencia (Ireland) later, and smaller falls at several of our extreme northern stations, as well as at Munich and Nice; remaining very fine over England and the north and west of France.

Temperature risen fast over England. Morning readings highest 80° and more at many Mediterranean stations, exceeding 70° over southern Europe generally, exceeding 60° over France, Ireland, England, the Baltic, and Gulf of Bothnia. Lowest 52° to 55° over the greater part of Russia and Poland, and also on the northeast coast of Great Britain. Raining during day to 80° at Lisbon, to between 80° and 84° over many parts of England and Germany, to 70° and more over Sweden, Denmark, and France.

Wind light to moderate in force, variable in direction — mainly N^w over northern Europe, NW³ over Germany, W² over the southern half of Russia; N¹ to E¹ over England and the Channel, NW² over France but becoming SE¹ to S¹ over Ireland and Scotland. No great change in our Islands later, but the N¹ and NW² wind freshening over Scandinavia.

Barometer highest 30.1 ins. over Norway and the east of Scotland, and exceeding 30.0 ins. over the North Sea, the north of England, the Irish Channel, the Bay of Biscay, and west of France. Lowest (1) 29.7 ins. and less in a depression over Central Russia, and below 29.8 ins. over the Gulf of Genoa and the northern part of Italy and the Adriatic, (2) about 29.9 ins. off the west of Ireland. Falling a little at our most western and northern stations later, rising very slightly over England 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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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, 8th July, 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.				
SCANDINAVIA.	Haparanda ...	29.97	57	N	4	b	30.05	+10	64	57	+2	NE	2	b	#	70	55	-			
	Hernösand ...	30.02	59	2	0	b	30.08	+13	63	57	+1	2	0	b	#	70	52	-			
	Stockholm ...	29.95	70	SE	1	0	30.03	+06	64	55	-4	N	2	b	#	70	54	0.08			
	Wisby ...	29.97	63	SW	2	b	30.01	+03	64	59	+2	NE	2	c	#	71	52	-			
	Bedö ...	30.17	50	NNE	2	b	30.13	-01	53	49	+1	NNE	2	b	#	53	45	-			
	Christiansund...	30.05	57	NE	3	b	30.04	-04	58	55	+2	ESE	1	m	1	68	52	-			
	Skudesnaes ...	30.04	57	NW	4	b	29.99	-05	64	58	+7	NW	2	b	1	64	52	-			
	Christiania Fjord (Færder)	29.94	64	SSW	2	c	30.01	+01	62	60	-2	NNE	3	c	2	70	61	-			
	Skagen (The Seaw)	29.96	61	W	1	b	29.99	-00	63	59	+2	S	1	b	0	77	54	-			
	Fanö ...	30.06	59	2	0	b	30.04	-03	63	59	+3	E	2	b	#	77	52	-			
BRITISH ISLANDS.	Sumburgh Head	29.93	57	SE	3	0	29.88	-11	59	58	+4	ESE	2	c	4	59	53	-			
	Stornoway ...	29.76	68	2	0	m	29.73	-09	64	63	+4	2	0	m	2	70	59	0.31			
	Wick ...	29.86	58	S	8	bc	29.84	-09	58	57	0	S	3	0	1	64	54	-			
	Nairn ...	29.78	74	2	0	bc	29.75	-14	64	60	+4	2	0	b	1	78	57	-			
	Aberdeen ...	29.90	59	S	3	b	29.82	-18	60	58	+5	SE	1	c	2	62	53	-			
	Leith ...	29.82	59	2	0	c	29.77	-17	55	55	-3	E	3	om	#	66	53	-			
	Shields ...	29.88	57	E	3	b	29.78	-19	60	58	0	2	0	om	2	65	52	-			
	Spurn Head ...	29.88	59	E	3	bw	29.75	-26	66	62	+10	ESE	3	b	2	66	55	0.02			
	York ...	29.89	73	SSE	1	b	29.77	-24	67	63	+6	ESE	1	c	#	85	56	0.02			
	Loughborough	29.84	81	SE	3	bc	29.73	-27	74	65	+5	SE	1	c	#	88	62	-			
GERMANY & HOLLAND.	Ardrossan ...	29.79	68	2	0	c	29.68	-20	63	60	-3	ESE	3	bc	1	74	52	1.11			
	Malin Head ...	29.69	71	SSE	4	c	29.65	-12	60	57	-4	E	2	om	0	74	57	-			
	Mullaghmore ...																				
	Beimullet ...	29.70	60	SW	3	bc	29.59	-12	60	59	-5	SW	1	0	#	70	56	0.06			
	Donaghadee ...	29.79	59	SSE	4	c	29.67	-22	59	59	0	SE	3	tlr	1	65	57	0.13			
	Liverpool (Bldston)	29.79	75	2	0	b	29.66	-26	73	64	+2	ESE	3	bc	1	64	64	-			
	Holyhead ...	29.81	66	2	0	cgm	29.68	-23	65	63	+4	SW	1	ogm	1	75	60	0.03			
	Parsonstown ...	29.73	65	2	0	0	29.61	-19	62	61	-3	2	0	c	#	74	57	0.31			
	Valencia ...	29.72	64	S	2	cv	29.58	-12	63	59	-1	NE	2	c	2	66	53	0.02			
	Roche's Point	29.73	61	SSE	2	r	29.59	-12	63	61	0	SSE	3	bc	3	64	55	0.20			
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.80	64	SSE	2	c	29.68	-22	61	60	0	S	3	cq	2	67	58	-			
	Scilly ...	29.79	65	S	4	c	29.65	-23	63	60	-1	S	5	c	4	70	59	-			
	Prawle Point ...	29.84	65	E	1	c	29.75	-21	62	61	-5	SW	3	cgm	2	68	60	-			
	Jersey (St. Aubin's)	29.84	79	ESE	1	bc	29.80	-16	67	63	+3	SSW	3	cm	3	80	61	-			
	Hurst Castle ...	29.86	71	SSE	1	bt	29.76	-22	65	63	-4	WSW	1	r	1	76	63	-			
	Dungeness ...	29.87	65	E	4	b	29.76	-22	69	64	+2	SSW	2	b	1	69	62	-			
	North Foreland	29.88	65	E	2	b	29.76	-21	70	64	+10	SSE	2	b	2	70	57	-			
	London ...	29.87	81	NNE	1	b	29.75	-25	80	69	+10	SE	2	b	#	87	66	-			
	Oxford ...	29.83	75	S	2	b	29.72	-26	74	65	+4	S	1	b	#	84	63	-			
	Cambridge ...	29.86	83	SE	1	b	29.74	-26	79	68	+13	SE	4	b	#	90	61	-			
PENIN- SULA.	Yarmouth ...	29.92	67	SE	2	b	29.80	-20	66	63	+4	SE	3	b	3	67	61	-			
	Cuxhaven ...	30.09	71	N	2	b	30.02	-10	71	67	+3	ESE	1	b	#	74	68	-			
	Berlin ...	30.01	77	NE	2	bc	30.02	-04	71	61	+2	2	0	b	#	86	64	-			
	Wiesbaden ...	#	#	#	#	#	30.00	-04	68	60	-1	2	0	b	#	82	57	-			
	Munich ...	30.05	63	E	3	b	30.07	-01	65	58	+2	E	5	b	#	73	48	-			
	The Helder ...	29.97	71	ENE	1	b	29.93	-12	72	65	+3	ESE	1	b	#	79	66	-			
	Brussels (9 a.m.)	#	#	#	#	#	29.87	-12	71	62	+2	ESE	3	b	#	88	65	-			
	Cape Gris Nez	29.87	69	ESE	1	b	29.78	-18	67	64	+5	SSE	3	b	1	68	61	-			
	Paris ...	29.88	83	SE	2	b	29.84	-15	73	64	+5	SSE	2	b	#	88	64	-			
	Brest ...	?	67	S	2	bc	?	?	62	59	-1	SW	2	c	3	75	57	-			
FRANCE AND BELGIUM.	Lorient ...	29.87	71	SW	1	b	29.82	?	65	60	+2	SW	4	c	2	79	63	-			
	Rocheport ...	29.86	76	NW	3	m	29.87	-06	69	67	+5	NW	1	0	#	84	54	-			
	Belfort ...	?	82	NE	3	bc	?	?	69	58	?	E	3	b	#	88	59	-			
	Lyons ...	29.87	81	ESE	1	b	29.93	-03	72	61	+3	SE	1	b	#	86	64	-			
	Nice ...	29.90	72	WSW	1	c	29.99	+11	76	66	+3	E	1	b	0	81	64	0.04			
	Perpignan ...	29.88	77	E	2	b	29.94	+01	72	68	-1	2	0	0	#	84	66	-			
	Biarritz ...	29.88	71	W	5	0	29.91	+02	68	67	+3	NW	3	0	2	88	65	-			
	Corunna ...	#	#	#	#	#	30.09	+10	68	60	-1	NW	4	bc	#	75	63	-			
	Lisbon ...	30.02	66	NW	4	b															

For Explanation of Columns, see bottom of last page.

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

for 8 a.m. on Saturday, 8th July, 1893.

EXPLANATION OF MAP

Changes since previous morning are stated in words.

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

 = Rough, = High

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

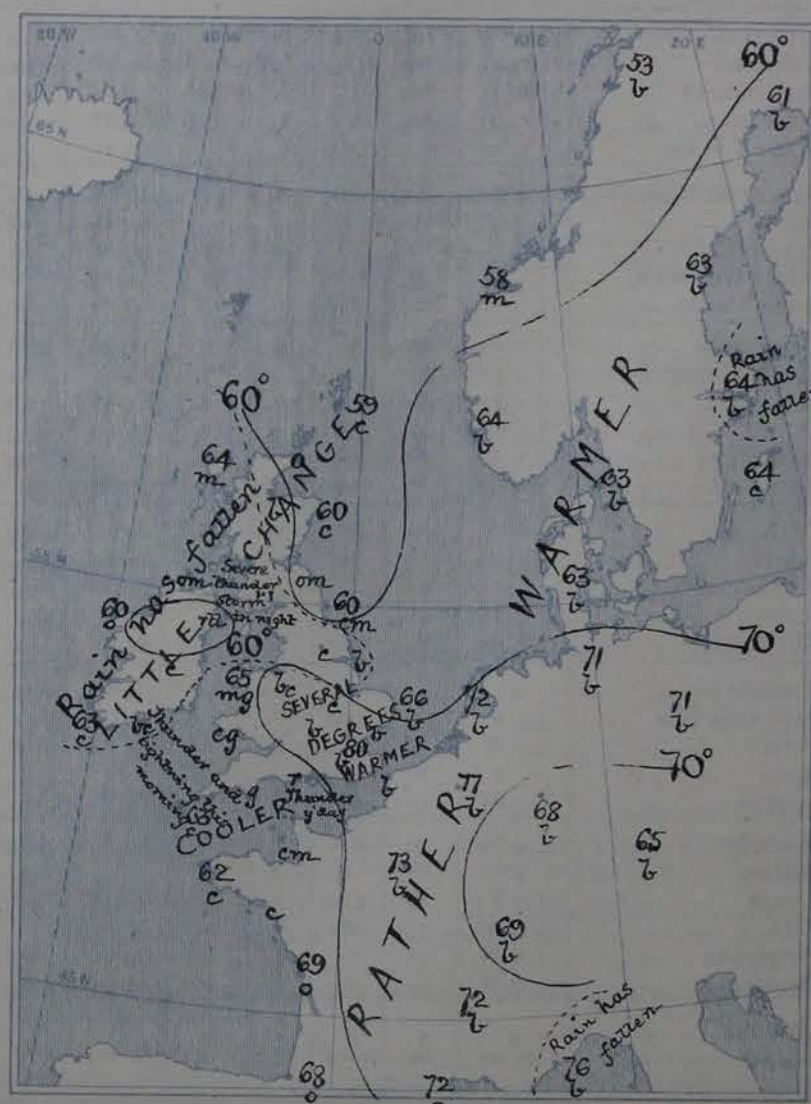
During the 20 Years 1871—1890

MEAN READINGS

A hand-drawn weather map of the North Atlantic and Europe, showing isobars and weather systems. The map includes labels for 'LOW', 'HIGH', 'Barometer', 'rising', 'falling', 'stably', and 'places most'. Isobars are drawn at 29.6, 29.7, 29.8, 29.9, 30.0, 30.1, and 30.2. Arrows indicate the direction of pressure changes. The map also shows the outlines of North America, Europe, and Africa.

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

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.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins. and upwards, in the north of Norway, 30.0 ins. and upwards over nearly the whole of Scandinavia, Denmark, Germany, as well as in Spain.
 Lowest, 29.6 ins. and less, in a depression lying over the west and south of Ireland.
 Gradients slight. Barometer falling in our Islands, but rising at most of the Continental stations.

TEMPERATURE

Highest, 80° in London, 79° at Cambridge, 77° at Brussels, 76° at Nice, and 74° at Loughborough and Oxford.
 Lowest, 53° at Bodo, 55° at Leith, 58° at Hudsons and Wick, 59° at Lumburg H^d and Donaghadee, and 60° at Aberdeen and Belmullet.
 The highest maxima registered over our Islands yesterday were 80° at Cambridge, 86° at Loughborough, and 87° in London.

WIND

Light to moderate from the S^W or S^W² on our southern coasts, and from the SE² or E² in most other parts of our Islands, as well as in the Netherlands.
 W² in the southwest of France; N² at most of the Scandinavian stations.

WEATHER

Cloudy or overcast in the west, north, and extreme south of our Islands and the west of France, with rain at Hurst Castle and a thunderstorm at Donaghadee.
 Fine and bright in nearly all other parts of Western Europe.
 Since yesterday morning rain has fallen at many of our western stations, with thunderstorms in places. At Ardrossan a severe thunderstorm occurred in the night with 1.1 inches of rain. Thunder and lightning have also been observed at some of the Channel stations.

SEA

Smooth on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the west appears to be spreading eastward, and less settled weather is probable over England, with thunderstorms in places.

FORECASTS

For the 24 hours ending at NOON on 9th July, 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

SE² winds, light; cloudy, some rain, thunder locally.

Same as No 5

Varying S² breezes, light; unsettled, local thunderstorms.

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

Same as Nos 0 to 2.

S² and SW² winds, moderate; cloudy, some showers, thunder locally.

Varying S² breezes; cloudy, some showers, thunder locally.

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.05	64	57	NW	4	c	2	Valencia ...	29.75	63	61	SW	4	c	4
Sumburgh Head ...	29.96	57	57	SE	3	o	4	Scilly ...	29.82	68	64	S	3	o	3
Stornoway ...	29.78	70	64	SW	3	m	3	Jersey ...	29.90	75	68	Z	0	b	0
Aberdeen ...	29.93	61	55	SE	3	bm	3	Hurst Castle ...	29.90	75	69	SSE	2	bm	1
Shields ...	29.93	63	58	ESE	3	b	3	Dungeness ...	29.96	68	64	E	3	b	2
Ardrossan ...	29.82	71	64	Z	0	b	0	North Foreland ...	29.95	62	60	NE	2	f	2
Malin Head ...	29.81	72	61	SSE	4	c	1	London (Westminster) ...	29.91	84	68	E	2	bv	*
Mullaghmore ...								Yarmouth ...	29.95	67	62	ESE	2	b	2
Belmullet ...	29.67	64	61	SSW	5	o	*	Rochefort ...	29.89	79	67	NW	3	m	*
Holyhead ...	29.85	74	66	WSW	1	b	1								

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

Weather in morning cloudy or overcast at the Irish and Scotch stations, and also over the greater part of Russia; fine and bright as a whole over all the northern, central, and southern countries, as well as over England and France. Rain later at the Irish and several of the Scotch stations (11 ins. at Ardrossan), and thunder and lightning experienced in many places. A slight fall of rain at Nice also.

Temperature ^{risen} again over England and also over France. Morning readings highest 80° to 86° at some Mediterranean stations, and above 70° over southern Europe generally; lower elsewhere. Lowest 52° at Christiansund, 53° at Sumburgh H^d and also at Kiev, 58° at Wick, and also at Breslau and Warsaw. Rising to between 85° and 90° in many parts of England, France and Germany during the day and to 77° on the Danish coasts and at Vitebsk.

Wind E³ to S³ over the United Kingdom, and blowing very strongly at Valencia; E⁴ over the Netherlands, E³ to N³ over France and Spain. N³ to NW³ over the Baltic and North Germany, W³ over south Germany and the south of Russia; NE³ in the north of Italy, NW³ in the south, and at Cagliari, Palermo, and Malta. Falling light at all Irish stations later, and becoming W³ in the southwest of France.

Barometer highest 30.1 ins. and more in the northwest of Norway, and about 30.0 ins. over the whole of Norway, Denmark, the North Sea, and North Germany. Lowest 29.8 ins. and less in two large shallow depressions — one over Russia, the other over Italy and the Adriatic; 29.7 ins. off the west of Ireland. Falling all over Great Britain and the North Sea later — sunbady at Valencia.

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 Sunday 9th July,

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.	
		Inch.	°				Inch.		°	°	°						°	Inch.			
SCANDINAVIA.	Haparanda ...	30.09	66	2	0	b	30.02	-0.03	63	57	-	1	SW	4	b	#	b	77	54	-	
	Hernösand ...	30.08	62	SE	2	b	30.05	-0.03	64	56	+	1	S	4	b	#	b	77	50	-	
	Stockholm ...	30.05	64	E	1	b	30.08	+0.05	73	59	+	9	NE	1	m	#	b	73	?	-	
	Wisby ...	30.05	58	E	2	b	30.06	+0.05	58	55	-	6	NNE	2	b	#	b	72	54	-	
	Bodö ...	30.04	57	2	0	b	29.92	-0.21	56	51	+	3	2	0	c	0	b	61	50	-	
	Christiansund...	30.01	66	2	0	b	29.99	-0.05	63	58	+	5	ENE	1	b	1	b	68	57	-	
	Skudesnaes ...	29.99	63	2	0	b	29.91	-0.08	73	59	+	9	ESE	4	b	1	b, b	77	55	-	
	Christiania Fjord (Færdar)	29.99	71	2	0	b	30.04	+0.03	69	63	+	7	SSE	4	b	1	b	72	62	-	
	Skagen (The Seaw)	29.97	64	E	1	b	30.01	+0.02	68	65	+	5	SSE	2	b	1	b	79	61	-	
	Fanö ...	29.88	70	SE	2	b	29.84	-0.20	72	63	+	9	SSE	4	b	#	b	90	63	-	
BRITISH ISLANDS.	Sumburgh Head	29.84	60	E	3	c	29.79	-0.09	62	58	+	3	NF	3	b	4	b, c	69	55	-	
	Stornoway ...	29.65	65	2	0	c	29.56	-0.17	63	60	-	1	NE	3	c	3	m, b, c	70	59	0.20	
	Wick ...	29.77	58	S	3	o	29.67	-0.17	62	58	+	4	SE	4	b	2	o	66	53	-	
	Nairn ...	29.67	66	E	1	c, b	29.56	-0.19	60	59	-	4	E	3	o	2	c, b	81	56	0.20	
	Aberdeen ...	29.74	62	ESE	1	c	29.62	-0.20	58	56	-	2	E	1	ogm	3	cm	63	55	-	
	Leith ...	29.65	62	2	0	o	29.49	-0.28	59	59	+	4	ENE	2	r	#	c	63	54	0.49	
	Shields ...	29.69	59	NE	2	t	29.55	-0.23	60	57	-	0	SE	4	o	2	o, b, r	65	56	1.22	
	Spurn Head ...	29.63	66	SSE	1	r, b	29.65	-0.10	62	58	-	4	SSE	5	b	4	b, r	66	57	1.06	
	York ...	29.67	66	SE	1	o	29.60	-0.17	61	58	-	6	S	3	b	#	b, r, o	87	57	0.75	
	Loughborough	29.67	72	SW	2	o	29.65	-0.08	61	57	-	13	S	3	c	#	b, o	85	56	0.04	
GERMANY & HOLLAND.	Ardrossan ...	29.63	65	SSE	1	b	29.43	-0.25	57	57	-	6	E	1	rm	1	b, b	71	55	1.01	
	Malin Head ...	29.56	61	SSE	3	b	29.51	-0.14	55	54	-	5	E	1	or	0	q, b	67	55	0.03	
	Mullaghmore ...																				
	Belmullet ...	29.58	59	E	2	r	29.58	-0.01	59	57	-	1	NW	2	o	#	b, b, r	68	52	0.06	
	Donaghadee ...	29.64	60	SE	4	c	29.48	-0.19	57	57	-	2	W	2	r	0	c	72	56	0.07	
	Liverpool (Bldston)	29.65	66	NNW	2	c	29.55	-0.11	58	57	-	15	SE	2	o	1	c	76	55	1.40	
	Holyhead ...	29.65	66	SW	2	c	29.53	-0.15	58	58	-	7	SSW	2	rmg	2	o, c, g	70	56	0.30	
	Parsonstown ...	29.54	68	SE	1	b	29.55	-0.06	58	56	-	4	SW	1	c	#	b	71	49	-	
	Valencia ...	29.57	60	NNW	5	o	29.67	+0.09	60	57	-	3	W	3	b	3	rm, o, g	63	57	0.29	
	Roche's Point	29.47	61	S	5	c	29.62	+0.03	60	55	-	3	W	4	b	4	b, p, c	65	55	0.50	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.62	59	S	3	c	29.54	-0.14	58	56	-	3	W	7	c, g	6	c	66	56	0.14	
	Scilly ...	29.63	64	SW	4	b	29.73	+0.08	62	58	-	1	W	5	o, p	4	p, b	71	56	0.26	
	Prawle Point ...	29.71	57	SSW	4	c	29.74	-0.01	58	57	-	4	SW	6	c, g	5	c, p, g	63	55	0.26	
	Jersey (St. Aubin's)	29.77	61	SW	3	o	29.85	+0.05	65	60	-	2	SW	5	b, m	4	o, p	71	58	0.43	
	Hurst Castle ...	29.75	65	SW	3	c	29.75	-0.01	62	61	-	2	SW	6	b, c, g	4	c, p	69	58	0.09	
	Dungeness ...	29.74	64	WSW	3	r, b	29.80	+0.04	63	61	-	6	SW	5	c	4	b, r	72	58	0.21	
	North Foreland	29.68	73	W	3	o, b	29.78	+0.02	64	60	-	6	SW	4	b, c, g	4	b, b, r	84	55	0.07	
	London ...	29.73	66	SW	2	c	29.75	0.00	61	60	-	19	SSW	2	c, p	#	c, b, r	86	55	0.31	
	Oxford ...	29.69	65	SSW	1	o	29.68	-0.04	62	57	-	12	S	4	c, g	#	c, r	77	55	0.17	
	Cambridge ...	29.67	71	SSW	4	t	29.72	-0.02	63	59	-	16	SSE	6	c	#	c	92	54	0.07	
PENINSULA.	Yarmouth ...	29.68	71	SSE	4	b	29.76	-0.04	65	60	-	1	S	4	b	4	b, g, b	73	59	0.18	
	Cuxhaven ...	29.92	69	E	2	b	29.88	-0.14	69	63	-	2	SE	2	b	#	b	79	66	-	
	Berlin ...	29.91	78	SE	2	b	29.93	-0.09	72	60	+	1	E	4	b	#	b	88	64	-	
	Wiesbaden ...	*	*	*	*	*	29.95	-0.05	72	63	+	4	S	1	c	#	#	86	57	-	
	Munich ...	30.00	65	NE	3	b	30.04	-0.03	70	64	+	5	SW	1	c	#	b	79	54	-	
	The Helder ...	29.76	77	ESE	1	b	29.89	-0.04	67	62	-	5	SW	4	b	2	b	82	64	-	
	Brussels (9 a.m.)	*	*	*	*	*	29.93	+0.06	63	58	-	14	SW	3	b	#	c	93	59	0.28	
	Cape Gris Nez	29.76	63	S	1	t	29.80	+0.02	61	57	-	6	SW	5	b	5	t	84	57	0.08	
	Paris ...	29.78	77	WSW	3	b	29.98	+0.14	64	60	-	9	SSW	3	c	#	b	90	56	-	
	Brest ...	?	59	SSW	4	c	?	?	61	59	-	1	W	4	c	5	c	68	57	0.08	
FRANCE AND BELGIUM.	Lorient ...	29.80	62	WSW	4	b	29.90	+0.08	62	57	-	3	WSW	5	c	4	b	68	57	-	
	Rochefort ...	29.90	67	W	4	o	29.97	+0.10	67	64	-	2	W	4	b	#	o	81	61	-	
	Belfort ...	?	85	SW	2	b	?	?	66	63	-	3	W	3	o	#	b	93	65	-	
	Lyons ...	29.84	80	S	4	b	30.02	+0.09	66	60	-	6	NNW	2	r	#	b, b	87	65	-	
	Nice ...	29.97	76	W	1	b	29.99	0.00	72	61	-	4	2	0	b	0	b	82	66	-	
	Perpignan ...	29.81	81	NE	2	b	30.04	+0.10	69	60	-	3	NW	3	o	#	b	89	67	-	
	Biarritz ...	29.98	70	NNW	4	o	30.07	+0.16	65	62	-	3	SE	3	o	4	o	77	63	0.04	
	Corunna ...	*	*	*	*	*															
	Lisbon ...	30.13	66	NW	3	c	30.12	+0.03	67	60	-	1	N	4	o	#	c	73	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, 9th July 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

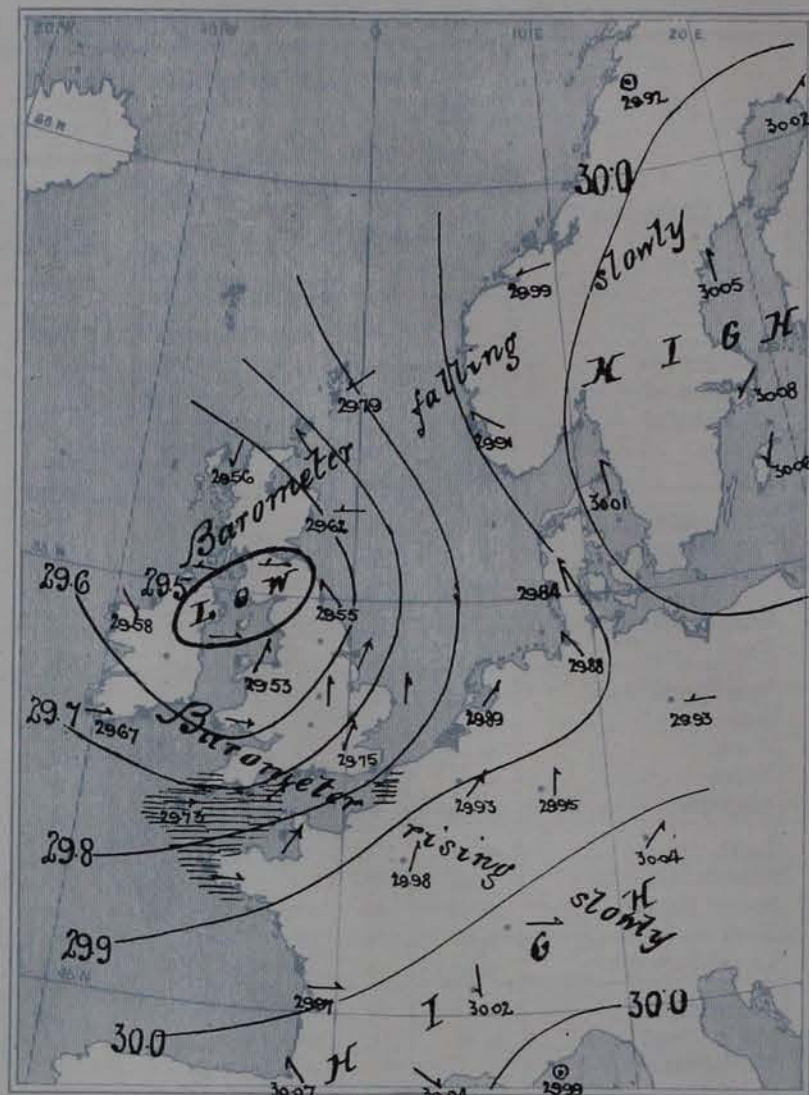
at 8.0 a.m. for the month of July.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.860
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.920



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

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

WEATHER is shown by Letters of the Beaufort Scale.

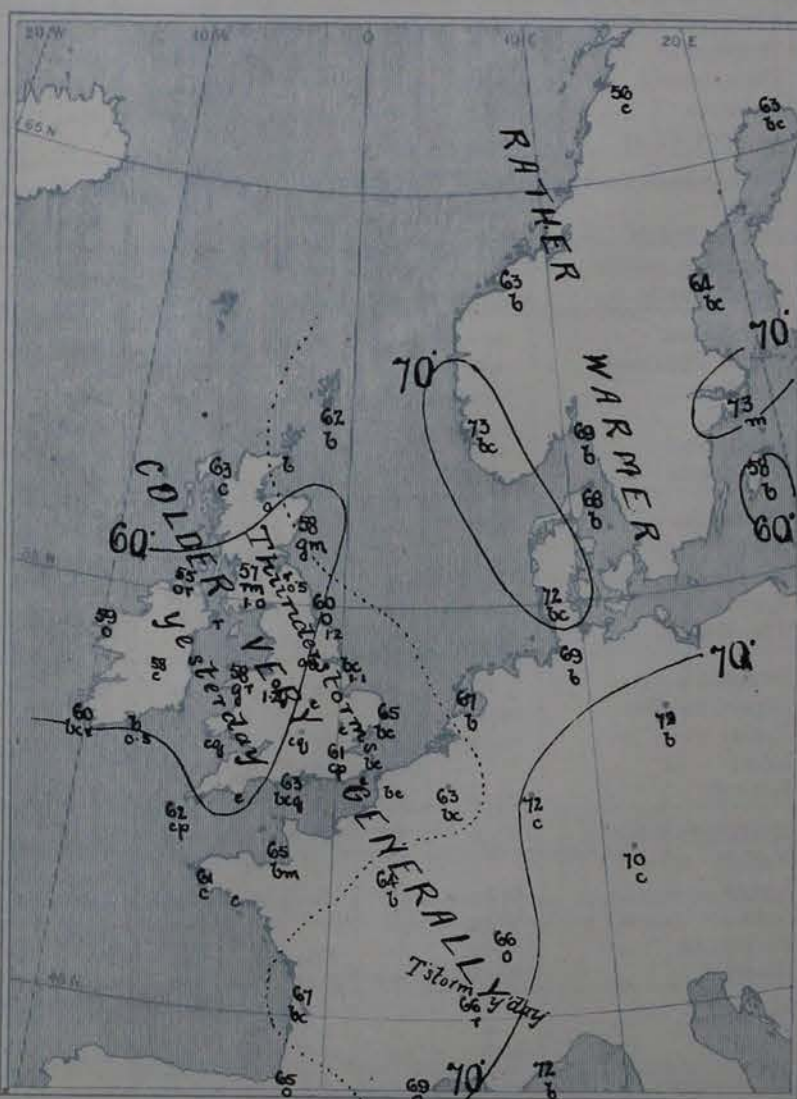
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	55.2	59.5	56.8	1.73
York	68.7	51.0	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.00
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.64
Scilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.9	57.8	2.85

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 Portugal, 30.0 ins: and upwards over Sweden and the Baltic.
 Lowest, 29.5 ins: and less, in a depression lying over the north of Ireland and the south of Scotland.
 Gradients slight generally. Barometer falling in the northern parts of our Islands and also in Scandinavia, Denmark, but rising elsewhere.

TEMPERATURE

Highest, 73° at Stockholm and Skudene, 72° at Teno, Berlin, Wiesbaden and Nice, and 69° at Fieschi, Cuxhaven and Perpignan.
 Lowest, (1) 55° at Malin H., 57° at Ardara and Donaghadee, and 58° at several other of our western stations; (2) 56° at Bodo; 58° at Killy.
 During yesterday the thermometer rose to 81° at Naim, to 85° or more over the inland parts of England generally, and to 91° at Cambridge.

WIND

Moderate to strong from the SW^W or W^W over the Netherlands, the south of our Islands and the north of France.
 Light or moderate from the SE^E on the eastern shores of the North Sea, and from the E^W in Scotland.
 Variable in the south of France and also in Sweden and the northern parts of Norway.

WEATHER

Rainy in the south of Scotland and the north of Ireland, and showery in most other parts of the United Kingdom.
 Fine and bright at the Continental stations generally, but cloudy over the southern part of France, with rain at Lyons.
 In the course of the past 24 hours thunderstorms have occurred in nearly all parts of our Islands, the accompanying rainfall being ^{as large as} 1.4 ins: at Liverpool, 1.2 ins: at Shields, 1.1 ins: at Spurn H. and 1.0 ins: at Ardara.

SEA

Rough at Lelly, and rather rough at several of the Channel stations, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 10th July, 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

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.			
Skudesnaes ...	29.97	77	62	W	1	b	1	Valencia ...	29.55	59	58	NNW	4	am	4
Sumburgh Head ...	29.88	63	60	ESE	3	bc	4	Scilly ...	29.63	69	61	SSW	5	c	4
Stornoway ...	29.66	70	65	L	0	m	2	Jersey ...	29.80	70	64	SSW	4	o	3
Aberdeen ...	29.79	59	5	ESE	1	cm	2	Hurst Castle ...	29.77	67	64	SW	3	c	1
Shields ...	29.71	64	60	ENE	1	o	2	Dungeness ...	29.73	72	65	WSW	4	bc	3
Ardrossan ...	29.67	70	67	SE	1	c	1	North Foreland ...	29.69	74	67	S	2	b	1
Malin Head ...	29.59	60	58	SSE	3	o	1	London ...	29.72	78	64	S	3	c	*
Mullaghmore ...								Yarmouth ...	29.75	70	65	SE	3	b	2
Belmullet ...	29.57	68	60	W	2	b	*	Rochefort ...	29.88	80	73	WNW	4	c	*
Holyhead ...	29.67	67	62	SW	4	o									

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

Weather in morning fine and light over northern, central, and southern Europe, as well as over the eastern and southeastern counties of England; dull and unsettled over the western and northern parts of our Islands, with rain, thunder and lightning in some places, dull also over southeastern Europe. The rainy unsettled weather in the north and west spreading all over England later, causing severe thunderstorms in places, and more than an inch of rain at Shields, Spennithorne, Ardshean and Liverpool; thunderstorms at some Continental stations also (0.8 in. of rain at Clermont and Klingens).

Temperature risen decidedly over the British Isles and France - unusually high in London at 8 a.m. Morning readings highest 81° at Rimini, 80° in London, 79° at Cambridge; exceeding 70° at the Mediterranean stations and over our midland and eastern counties generally, as well as at Brussels and Berlin. Lowest 53° at Bodo, 54° at Archangel, 55° at St. Petersburg, 59° at Mirel, Sumburgh Head and Casco. Rising later to between 85° and 92° over England, to 96° (locally) at Eling, Norfolk, to 93° at Harwich and Belfast, and to 102° at Lagnat, but not touching 90° at any of the Italian stations, and scarcely exceeding 80° over Austria-Hungary.

Wind (1) light and very variable at the Continental stations, - mainly N² over Finland and the Baltic, W² over Hungary and southern Russia, but E² over Western Germany and the east and south of France. (2) SW² over the Bay of Biscay and north of France, SE¹ to E² over Great Britain and the east and north of Ireland, NE² at Valencia. Freshening from the S² over England later, and becoming more W² in the west of France, but falling calm over the north of Scandinavia. [Local squalls of considerable force reported by the Newspapers in some places - notably off the Lincolnshire coast.

Barometer highest (1) 30.0 ins. and more over Lapland, Finland, and the greater part of Scandinavia, and exceeding 29.9 ins. in a band extending thence in a southerly direction across Central Europe to the Adriatic, Italy, and the Mediterranean; (2) exceeding 30.0 ins. over Portugal and the southwest of Spain. Lowest (1) 29.6 ins. and less in a depression over Ireland, and below 29.9 ins. in a series of secondary disturbances lying over England and the western half of the North Sea, (2) Below 29.8 ins. over Central Russia. Depression over our Islands moving northwards later and spreading eastwards considerably.

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, 10th July,

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 ...	29.73	60	N	4	0	29.86	-0.16	57	50	- 6	N	6	6	#	0	?	54	-	
	Hernösand ...	29.85	62	S	2	c	29.99	-0.06	63	52	- 1	NW	4	6	#	c	68	50	-	
	Stockholm ...	30.05	64	SW	1	0	30.00	-0.08	72	61	- 1	WNW	4	6	#	0	77	?	-	
	Wisby ...	30.03	60	SSW	2	b	30.04	-0.02	62	58	+ 4	W	2	6	#	b	68	54	-	
	Bodö ...	30.01	48	NW	6	c	30.14	+0.22	48	45	- 8	NW	4	0	2	c	57	45	-	
	Christiansund...	30.02	59	NNE	8	m	30.04	+0.05	54	50	- 9	NNE	8	m	2	m	70	52	-	
	Skudesnaes ...	29.93	67	SW	1	0	30.01	+0.10	61	58	- 12	S	4	0	4	0	79	57	-	
	Christiania Fjord (Fierder)	30.00	64	SSW	2	b	29.97	-0.07	67	65	- 2	SSW	3	0	1	b	73	66	-	
	Skagen (The Scaw)	29.99	68	SW	1	bc	30.04	+0.03	63	60	- 5	WSW	1	0	0	bc	79	61	-	
	Fanö ...	30.00	61	Z	0	b	30.03	+0.09	64	63	- 8	Z	0	0	#	b	82	59	21.58	
BRITISH ISLANDS.	Sumburgh Head	29.74	60	E	2	c	29.88	+0.09	57	57	- 5	E	2	0	3	c	64	53	-	
	Stornoway ...	29.49	66	E	5	b	29.72	+0.16	62	57	- 1	SE	2	c	3	c. b	69	56	-	
	Wick ...	29.69	59	SE	5	0	29.82	+0.15	59	57	- 3	SE	2	bc	2	0	64	54	-	
	Nairn ...	29.55	58	E	3	bc	29.74	+0.18	61	58	+ 1	Z	0	0	1	bc	70	52	-	
	Aberdeen ...	29.66	59	SE	3	bm	29.82	+0.20	59	56	+ 1	SE	1	0	3	bm	63	54	-	
	Leith ...	29.55	58	SSE	1	r	29.75	+0.26	61	57	+ 2	ESE	1	0	#	r	69	56	0.08	
	Shields ...	29.58	62	SSW	2	op	29.79	+0.24	59	57	- 1	SSW	2	c	2	clp	65	52	0.01	
	Spurn Head ...	29.73	66	SW	3	bc	29.85	+0.20	63	59	+ 1	S	4	bc	4	bc. bc	67	56	0.02	
	York ...	29.69	61	SSW	3	cp	29.84	+0.24	61	58	0	S	2	0	#	clp. bc	70	56	0.15	
	Loughborough	29.75	68	SW	3	c	29.86	+0.21	62	58	+ 1	SSE	3	c	#	cp	70	56	0.09	
GERMANY & HOLLAND.	Ardrossan ...	29.51	56	SE	3	cl	29.71	+0.28	61	59	+ 4	E	1	c	1	cl. r. m	62	54	0.21	
	Malin Head ...	29.39	55	W	5	OT	29.61	+0.10	58	55	+ 3	SSE	3	0	2	r	58	51	2.81	
	Mallaghmore ...	29.57	59	W	4	0	29.50	-0.08	58	56	- 1	SE	3	r	#	0	61	56	0.40	
	Belmullet ...	29.53	59	SSW	3	0	29.70	+0.22	57	57	0	SSE	4	f	2	0	59	55	0.92	
	Donaghadee ...	29.67	65	SW	4	bc	29.76	+0.21	64	59	+ 6	SE	3	0	2	bc	73	55	0.30	
	Liverpool (Bldston)	29.60	59	SW	5	oggy	29.72	+0.19	60	57	+ 2	S	4	cq	4	bc. oggy	68	56	0.02	
	Holyhead ...	29.59	63	SSW	1	c	29.59	+0.04	59	56	+ 1	SE	1	oggy	#	0. c	66	57	0.59	
	Parsonstown ...	29.69	62	W	4	bc	29.59	-0.08	58	57	- 2	SSW	2	r. m	2	bc	63	55	0.16	
	Valencia ...	29.64	65	NW	2	c	29.63	+0.01	60	58	- 0	SW	4	cp	4	c. p	66	55	0.15	
	Roche's Point	29.68	60	SW	5	c	29.75	+0.21	61	57	+ 3	SW	4	bc	5	c	64	57	0.06	
FRANCE AND BELGIUM.	Scilly ...	29.77	64	W	5	cp	29.77	+0.04	62	59	0	SW	4	cp	4	cp	68	57	0.25	
	Prawle Point ...	29.82	61	SW	6	c	29.84	+0.10	60	58	+ 2	SW	5	cp	4	cp	64	57	0.10	
	Jersey (St. Aubin's)	29.92	67	WSW	3	bc. p	29.93	+0.08	66	62	+ 1	SSW	4	cm	3	bc. p	69	60	0.03	
	Hurst Castle ...	29.87	64	SW	6	bc	29.91	+0.16	64	61	+ 1	SSW	5	c	4	bc	67	60	-	
	Dungeness ...	29.88	65	WSW	5	b	29.92	+0.12	64	61	+ 1	WSW	4	b	3	b	68	60	-	
	North Foreland	29.87	67	SW	4	bc. q	29.92	+0.14	65	62	+ 1	S	3	b	2	bc. q	70	58	-	
	London ...	29.84	68	SW	3	bc. v	29.91	+0.16	66	59	+ 5	S	3	c	#	q. p. bc	71	56	0.05	
	Oxford ...	29.83	62	SSW	3	c	29.88	+0.20	62	57	0	SSW	5	0	#	cl. p. c	67	56	0.35	
	Cambridge ...	29.81	68	SSW	6	c	29.91	+0.19	63	60	0	SSE	4	bc	#	c	71	54	0.25	
	Yarmouth ...	29.81	67	WSW	2	b	29.92	+0.16	65	62	0	S	4	b	3	cl. r. b	68	58	0.41	
PENIN- SULA.	Cuxhaven ...	29.99	71	N	2	b	30.08	+0.20	70	67	+ 1	WNW	1	0	#	b	79	68	-	
	Berlin ...	29.91	79	E	4	bc	30.01	+0.08	71	60	- 1	S	2	0	#	bc	91	68	-	
	Wiesbaden ...	*	*	*	*	*	30.08	+0.13	61	59	- 11	Z	0	0	#	#	75	63	0.08	
	Munich ...	30.04	72	Z	0	c	30.12	+0.08	64	63	- 6	NNE	1	0	#	c	82	59	0.75	
	The Helder ...	29.99	66	SSW	2	b	30.04	+0.15	68	62	+ 1	ESE	1	0	1	b	72	54	-	
	Brussels (9 a.m.)	*	*	*	*	*	30.00	+0.07	70	62	+ 7	SSE	1	bc	#	b	75	58	-	
	Cape Gris Nez	29.91	64	WSW	2	b	29.93	+0.13	64	61	+ 3	SW	1	bc	1	b	66	59	-	
	Paris ...	29.98	73	SW	2	c	29.99	+0.01	64	57	?	SSW	1	0	#	c	?	55	-	
	Brest ...	?	64	WSW	4	c	?	?	62	58	+ 1	SW	3	0	4	c	66	55	0.04	
	Lorient ...	29.98	66	WSW	5	bc	29.94	+0.04	62	58	?	SW	4	bc	4	bc	70	59	0.08	
FRANCE AND BELGIUM.	Rochefort ...	30.01	71	W	4	b	29.99	+0.02	65	63	- 2	SE	3	c	#	b	79	61	-	
	Belfort ...	?	72	W	3	b	?	?	58	50	- 8	NNE	1	0	#	b	83	?	-	
	Lyons ...	30.05	69	NNE	1	c	30.04	+0.02	65	62	- 1	NNE	1	0	#	c	73	62	0.04	
	Nice ...	30.00	72	SW	1	m	30.02	+0.03	73	69	+ 1	Z	0	0	0	m	81	64	-	
	Perpignan ...	30.02	73	W	2	0	30.00	-0.04	73	64	+ 4	W	2	0	#	0	79	64	-	
	Biarritz ...	30.02	70	NW	2	r	?	?	65	61	0	E	2	0	2	0	73	61	-	
	Coranna ..	*	*	*	*	*	30.09	-0.03	67	59	0	NW	7	c	*	*	72	61	-	
Lisbon ...	30.10	64	NW	4	0	?	?	?	?	?	?	?	?	?	?	?	?	-		

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, 10th July, 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

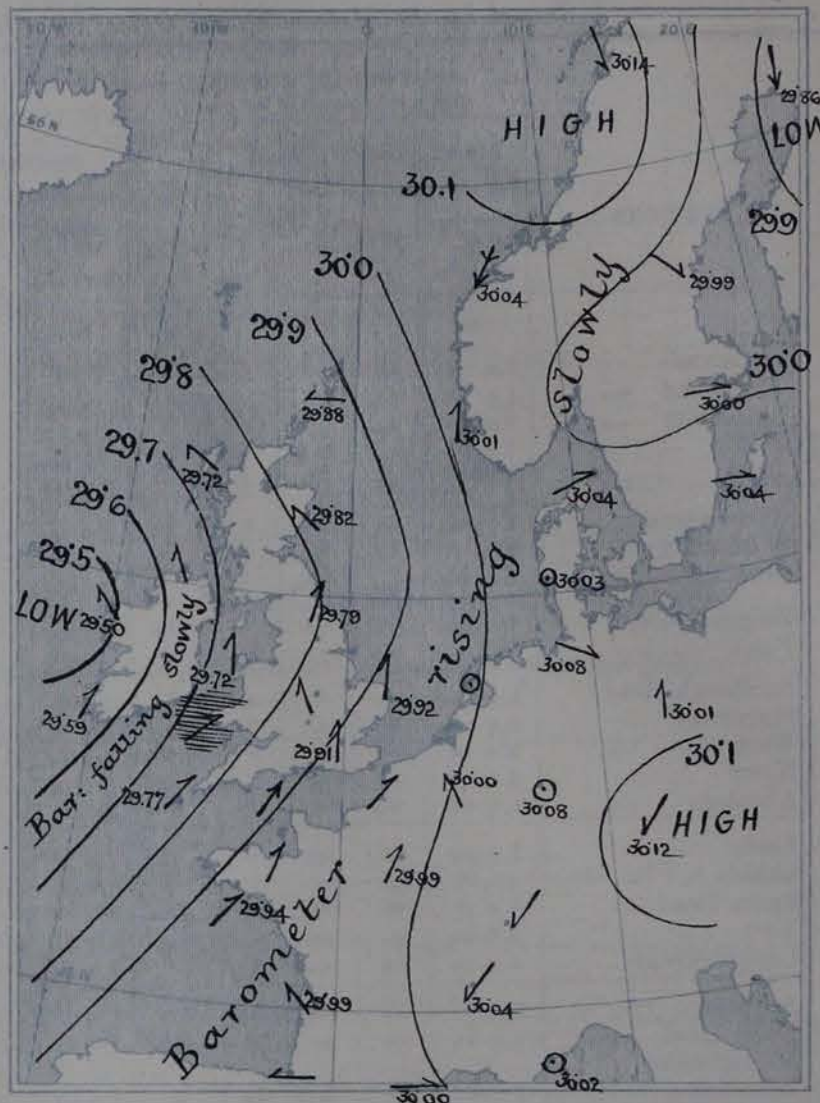
at 8.0 a.m. for the month of July.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Silly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

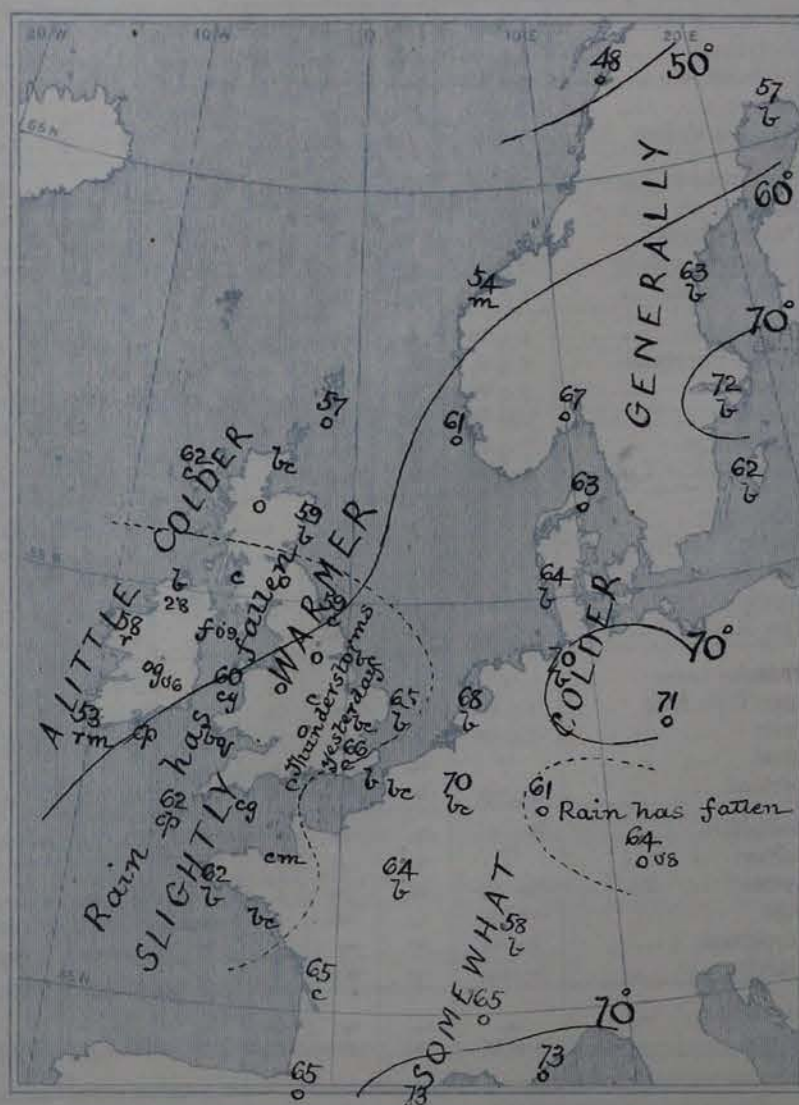
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	57.4	48.0	58.1	51.5	2.27
Stornoway	60.2	48.0	55.5	53.0	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.1	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.0	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.20
Pembroke	62.5	54.8	58.0	56.0	2.54
Silly	64.4	50.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.9	57.8	2.85

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 35 years 1856-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins. and upwards, in an anticyclone lying off the coast of Norway and also in another area lying over South Germany.
 Lowest, 29.5 ins. and less, in a depression lying off the west of Ireland.
 Gradients slight. Barometer falling a little in Ireland, the southwest of England and the west of France, but rising in most other localities.

TEMPERATURE

Highest, 73° at Nice and Perpignan, 72° at Stockholm, 71° at Berlin, 70° at Copenhague and Brussels, and 67° at London and Lisbon.
 Lowest, 48° at Bodo, 54° at Christiansund, 67° at Haparanda, Lumburg, and Danzig, and 55° at Malin P., Belmullet, and Valencia (Ireland).
 The highest maxima registered over our Islands ^{yesterday} were 73° at Liverpool, and 71° in London and at Cambridge.

WIND

Light to fresh from the S^W or S^W over the greater part of England; SE¹ in Ireland and Scotland and also in the west of France.
 Variable in Denmark, Germany, and the eastern and southern part of France.
 S² in the south of Norway, N³ over the northern part of Scandinavia. A gale from NE is reported at Christiansund.

WEATHER

Varying considerably in different parts of our area, but mostly cloudy, with rain in the west of Ireland and with passing showers in the southwest of England.
 Rain fell yesterday at all but our extreme northern and southeastern stations, and thunderstorms occurred in many parts of Britain.
 The largest amounts of rain measured this morning are 2.8 ins. at Malin H., 0.9 in. at Danzig, and 0.6 in. at Parosmitron.

SEA

Moderate to smooth generally, but rather rough at Pembroke.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the west seems likely to extend somewhat in an easterly direction so that showery weather will probably continue to prevail generally, with thunderstorms in places.

FORECASTS

For the 24 hours ending at NOON on 11th July, 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

SE² winds, light or moderate, fair to cloudy and showery, thunder locally.
 Same as No 5.
 S² winds, moderate, some showers, with bright intervals, thunder locally.

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

Same as Nos 0 and 1.
 S² and SW² winds, fresh, changeable, showery, thunder locally.
 S² winds, freshening, 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.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.88	79	63	SSE	1	c	1	Valencia ...							
Sumburgh Head								Scilly ...							
Stornoway ...	29.51	67	63	NE	4	c	4	Jersey ...	29.91	67	62	SW	4	bc	3
Aberdeen ...								Hurst Castle							
Shields ...								Dungeness ...	29.86	67	61	WSW	6	b	5
Ardrossan ...								North Foreland...	29.85	70	65	SW	6	bc	4
Malin Head ...	29.41	57	57	W	4	ot	2	London ...							*
Mullaghmore ...								Yarmouth ...							
Belmullet ...	29.58	60	58	WNW	3	o	*	Rochefort ...	30.02	75	71	NNW	4	b	*
Holyhead ...	29.57	63	60	SW	4	bcq	3								

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

Weather in morning clear and bright over northern Europe, the Baltic, Germany, Austria, Italy and the Mediterranean, cloudy, changeable, squally and showery over the British Islands (especially the E. half) but inclined to clear in the Southwest; dull over southern Russia, rainy at Constantinople. Nearly 3 inches of rain at Malin Head later, and 0.9 in. at Donaghadee; showers in most other places, and a considerable fall at Munich. Thunder and lightning over the greater part of England.

Temperature falling decidedly over England and the Netherlands, rising over eastern Germany and the south of Russia. Morning readings 81° at Brindisi, and 70° to 80° on the Mediterranean coast as a whole; exceeding 70° in many parts of Germany, and at Stockholm - lower elsewhere. Lowest 44° at Archangel, 54° at Porto, 55° at Malin Head, and below 60° at several of our northern stations. Slightly exceeding 70° over many parts of England later, exceeding 80° in the southeast of France, and touching 91° at Berlin.

Wind (1) very light and variable over the Continent; (2) W² over Ireland, Wales and the west of England (strong in places) S², fresh to strong, over the east of England, SE² to E² light to moderate, over Scotland; (3) light but cyclonic over the Riviera and northern parts of the Mediterranean. Blowing strongly in squalls from SW. over England later, remaining SE² to E² in Scotland. Strong N² breeze setting in at Christiansund.

Barometer Highest (1) 30.1 ins. and more to 30.0 ins. over Spain, the Mediterranean and (as a whole) the southern parts of France and Germany; (2) 30.0 ins. and more over Sweden, the Baltic and Finland. Lowest 29.5 ins. to 29.6 ins. over the northwestern parts of our Islands, below 29.8 ins. over the southeast of Russia and rather below 30.0 ins. over the Gulf of Genoa and adjacent parts of the Mediterranean. Gradients moderate. Depression in northwest moving north-westward later, and barometer rising over England.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 2ND TO 8TH JULY, 1893.

In the course of this week the weather experienced over the United Kingdom has varied greatly, becoming, in the mean time much less fair than of late. At first it was fine, dry, and very warm; pressure was high, and the winds anticyclonic. Heavy thunderstorm occurred at York, however, on Monday night and Tuesday morning, and on Tuesday night a small but well-formed depression advancing north-eastwards from the Bay of Biscay, brought similar weather to our south and south-west coasts, where the rainfall exceeded an inch in several localities, two inches at Prawle Point.

A fine, bright, hot period then intervened, the thermometer rising to 85° and more in many parts of this country, and 92° at Cambridge; but, as so often occurs with such hot periods, thunderstorms and rain soon followed - owing to a depression which reached our western coasts on Friday and moved north-eastwards and northwards during the next 48 hours. This brought the thunderstorms to all parts of Great Britain; they were very severe in some places, and falls of rain exceeding an inch in the 24 hours, occurred at many of our stations.

The boat accident at Sheerness reported by the Newspapers was due to a squall of wind, which accompanied one of these storms.

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 11th July, 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.	Change since Yester- day Morn.		Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Max.	Min.							
		Ins.	°		Force (0 to 12).		Ins.	°	°	°						°	Ins.			
SCANDINAVIA.	Haparanda ...	30.01	52	N	2	b	29.99	+ .13	58	52	+ 1	WSW	4	c	#	b	64	52	—	
	Hernösand ...	30.02	57	S	2	c	30.01	+ .02	57	53	— 4	S	4	c	#	c	68	57	—	
	Stockholm ...	29.99	62	NE	2	b	29.98	— .02	58	56	— 14	NE	2	o	#	b	82	61	—	
	Wisby ...	29.98	64	SSW	2	b	29.95	— .09	71	63	+ 9	SSW	2	b	#	b	77	54	—	
	Bodö ...	30.13	50	N	4	b	30.01	— .13	54	49	+ 6	N	2	c	1	b	54	45	—	
	Christiansund...	30.01	55	NE	5	o	29.98	— .06	54	51	— 0	NE	4	f	3	o	63	52	—	
	Skudesnaes ...	30.01	61	W	1	o	29.95	— .06	63	58	+ 2	NNW	2	c	3	c, o	67	55	—	
	Christiania Fjord (Færd)	29.93	65	SSW	5	b	29.88	— .09	62	60	— 5	WSW	3	m	3	b	68	61	—	
	Skagen (The Seaw)	29.99	59	SW	2	c	29.93	— .11	63	60	— 0	SW	2	b	1	c	79	55	—	
	Fanö ...	29.99	62	NE	2	b	29.89	— .14	64	62	— 0	ENE	3	b	#	b	73	59	—	
BRITISH ISLANDS.	Sumburgh Head	29.91	57	ENE	2	o	29.91	+ .03	56	55	— 1	NE	2	o	3	o	61	53	—	
	Stornoway ...	29.76	63	NE	4	b	29.81	+ .09	61	59	— 1	NE	3	b	3	b, t	66	51	0.15	
	Wick ...	29.87	58	S	3	b	29.89	+ .07	58	56	— 1	S	1	f	0	b	65	55	—	
	Nairn ...	29.75	67	SE	2	b	29.82	+ .08	61	55	— 0	E	2	b	2	b	72	53	—	
	Aberdeen ...	29.84	58	SE	2	om	29.84	+ .02	58	57	— 1	E	1	o	2	c, om	63	54	—	
	Leith ...	29.76	64	ESE	1	o	29.77	+ .02	58	57	— 3	NNE	2	o	#	b, o	65	55	0.08	
	Shields ...	29.87	58	E	1	c	29.76	— .03	56	55	— 3	NE	1	f	3	c, b, r	66	52	0.11	
	Spurn Head ...	29.80	62	ESE	4	b	29.75	— .10	63	60	— 0	SSE	2	c	2	p, b	69	59	0.06	
	York ...	29.80	62	N	1	c	29.76	— .08	62	58	+ 1	ESE	1	b	#	b, o	71	54	0.18	
	Loughborough	29.79	69	SSE	2	b	29.73	— .13	65	59	+ 3	ESE	2	c	#	b	74	53	—	
BRITISH ISLANDS.	Ardrossan ...	29.72	65	Z	0	c	29.73	+ .02	64	60	+ 3	NE	2	b	1	c	66	55	0.30	
	Malin Head ...	29.63	57	SSE	4	o	29.72	+ .11	58	57	— 0	ENE	3	cm	1	o	62	55	0.02	
	Mullaghmore ...	29.52	61	E	3	b	29.71	+ .21	60	58	+ 2	NNE	2	o	#	o, b	65	55	0.31	
	Belmullet ...	29.71	59	SE	5	b	29.71	+ .01	60	58	+ 3	E	4	b	2	b	62	55	0.02	
	Donaghadee ...	29.71	59	SE	5	b	29.71	+ .01	60	58	+ 3	E	4	b	2	b	62	55	0.02	
	Liverpool (Bidston)	29.75	59	SE	2	r	29.67	— .09	63	58	— 1	E	3	b	3	r	66	55	0.29	
	Holyhead ...	29.71	65	SSW	3	cp	29.64	— .08	61	58	+ 1	E	4	cp	3	cp	67	56	0.03	
	Parsonstown ...	29.57	61	SE	1	o	29.59	— .00	58	57	— 1	SE	1	o	#	c, r	67	55	0.16	
	Valencia ...	29.53	63	WNW	3	cm	29.61	+ .02	61	59	+ 3	N	4	c	4	om, cm	63	52	0.41	
	Roche's Point	29.55	60	SSW	5	p	29.49	— .14	60	59	— 0	NNE	3	p	3	p	64	56	0.60	
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.67	61	SSW	4	c	29.53	— .22	60	58	— 1	SE	4	cp	5	c	64	56	0.41	
	Scilly ...	29.68	63	S	5	cp	29.50	— .27	60	59	— 2	SW	3	cp	4	cp	68	57	0.72	
	Prawle Point ...	29.79	60	SSW	5	b	29.59	— .25	60	58	— 0	SSW	5	ow	4	b, p	63	56	0.19	
	Jersey (St. Aubin's)	29.87	66	SE	3	cp	29.71	— .22	63	60	— 3	S	5	cp	4	cp	70	59	0.04	
	Hurst Castle ...	29.85	65	SSE	4	c	29.69	— .22	61	60	— 3	S	5	c	3	b, c, r	68	60	0.12	
	Dungeness ...	29.88	65	SSW	1	b	29.75	— .17	64	62	— 0	SW	3	b	2	b, b	69	59	0.03	
	North Foreland	29.88	67	S	3	c	29.74	— .18	64	60	— 1	S	5	b	4	c	71	61	—	
	London ...	29.86	68	S	2	c	29.73	— .18	69	62	+ 3	SSE	2	b	#	o, b, o	74	61	—	
	Oxford ...	29.87	63	S	2	b	29.69	— .19	63	59	+ 1	S	2	ow	#	q, b	71	56	—	
	Cambridge ...	29.83	71	SSE	4	b	29.74	— .17	65	61	+ 2	ESE	1	c	#	b	75	58	—	
GERMANY & HOLLAND.	Yarmouth ...	29.86	66	SSE	4	b	29.78	— .14	61	58	— 4	SSE	2	ow	2	b	67	59	0.04	
	Cuxhaven ...	30.03	68	NE	2	c	29.92	— .16	67	65	— 3	ESE	3	m	#	c	71	66	—	
	Berlin ...	29.94	76	NW	4	c	29.85	— .16	72	65	+ 1	Z	0	b	#	c	86	64	—	
	Wiesbaden ...	#	#	#	#	#	29.84	— .24	63	62	+ 2	SW	1	o	#	#	79	65	0.20	
	Munich ...	30.02	67	SE	1	c	29.97	— .15	64	59	— 0	SW	5	c	#	c	75	57	—	
	The Helder ...	29.96	67	NW	1	o	29.82	— .22	66	64	— 2	E	1	r	1	o	73	64	0.04	
	Brussels (9 a.m.)	#	#	#	#	#	29.83	— .17	#	58	— ?	Z	0	?	#	o	87	59	0.04	
	Cape Gris Nez	29.88	65	W	1	o	29.77	— .16	63	59	— 1	S	3	c	3	o	72	59	—	
	Paris ...	29.90	73	WSW	2	c	29.86	— .13	62	60	— 2	SE	1	o	#	c	79	59	0.12	
	Brest ...	?	61	SW	3	c	?	?	58	57	— 4	SW	4	c	4	c	66	55	0.47	
FRANCE AND BELGIUM.	Lorient ...	29.88	67	SW	4	b	29.74	— .20	62	59	— 0	SW	5	c	4	b	70	59	0.20	
	Rocheport ...	29.92	65	W	2	o	29.87	— .12	64	63	— 1	W	5	b	#	o	82	61	0.20	
	Belfort ...	29.88	72	NW	1	o	29.92	— .12	66	62	+ 1	NNW	1	b	#	o, b	81	58	1.18	
	Lyons ...	29.88	72	NW	1	o	29.92	— .12	66	62	+ 1	NNW	1	b	#	o, b	81	58	1.18	
	Nice ...	29.87	75	NE	2	b	29.97	— .08	71	63	— 2	W	1	o	#	b	81	66	—	
	Perpignan ...	29.96	69	NW	3	c	29.97	— .08	71	63	— 2	SW	3	o	2	c	72	61	—	
	Biarritz ...	29.96	69	NW	3	c	29.97	— .08	71	63	— 2	SW	3	o	2	c	72	61	—	
	Corunna ...	#	#	#	#	#	30.12	+ .03	67	61	— 0	NNW	3	c	#	#	73	61	—	
	Lisbon ...	30.12	66	NW	4	b	30.12	+ .03	67	61	— 0	NNW	3	c	#	#	73	61	—	
	PENIN- SULA.																			

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, 11th July, 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

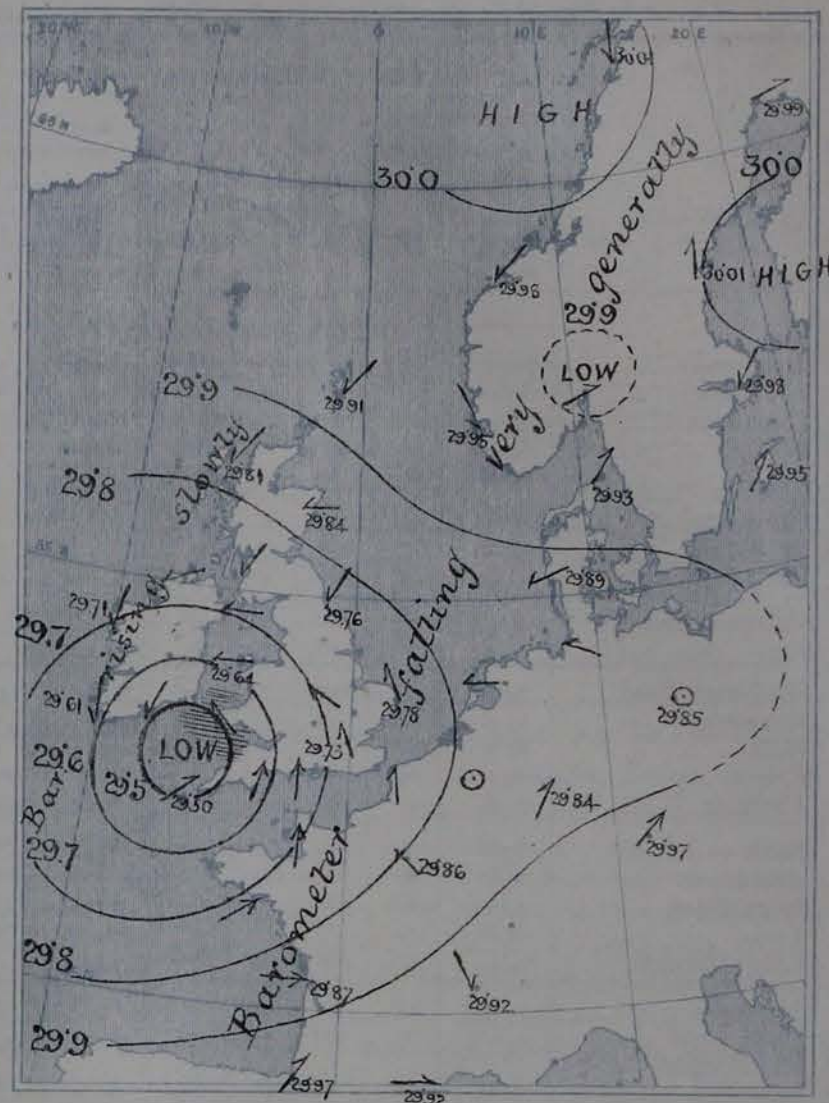
at 8.0 a.m., for the month of July.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.807
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

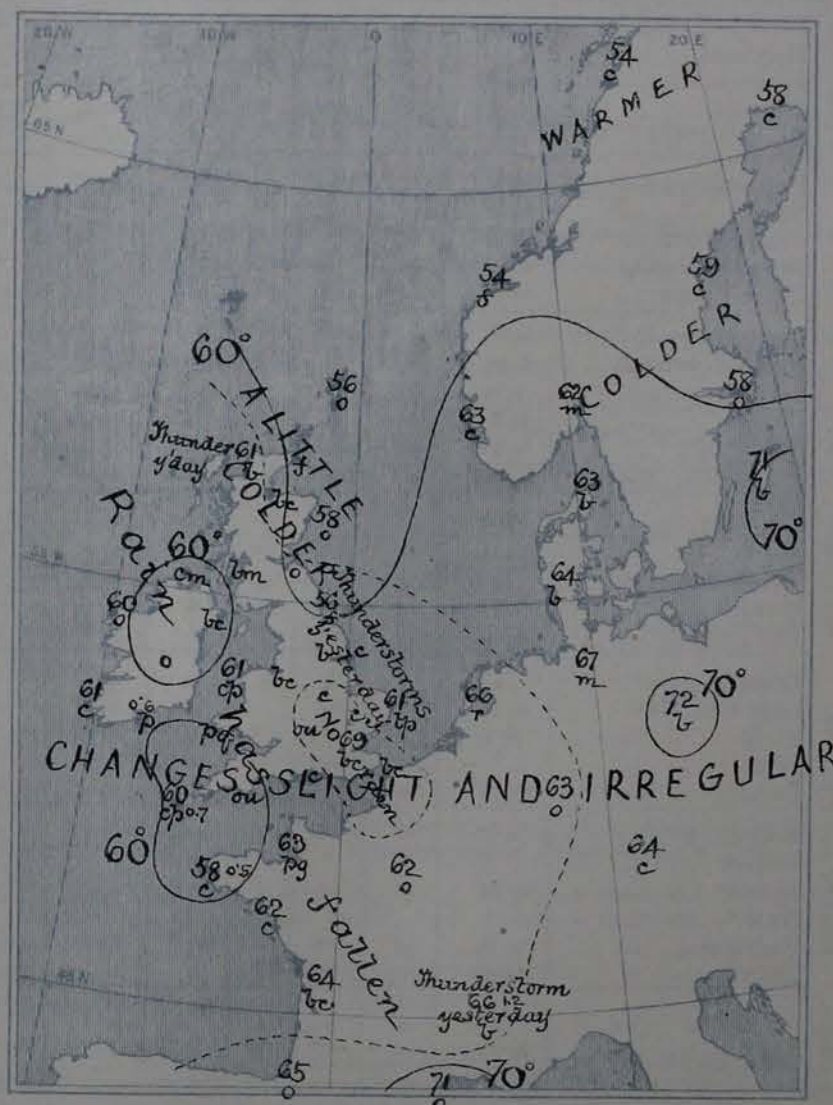
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.1 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.25
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.39
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	53.9	2.70
Loughborough	71.5	52.6	61.4	57.0	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	63.9	54.2	59.4	55.0	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Scilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	58.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	60.8	56.3	61.9	58.4	1.05
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.9	57.8	2.85

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 the southern parts of the Spanish Peninsula, 30.0 ins. and upwards in two small areas lying respectively off the west of Norway and over the Gulf of Bothnia. Lowest 29.5 ins. and less in a well marked depression lying near the mouth of the St. George's Channel. Fronts moderate over our west and south-west coasts, slight elsewhere.

Barometer rising in Ireland and Scotland, but falling in nearly all other parts of western Europe.

TEMPERATURE

Highest 72° at Berlin, 71° at Whisky and Perpignan, 69° in London and 67° at Cusshaven and Lisbon.

Lowest 54° at Rade and Christiansund, 56° at Sumburgh H^o and Shields, and 58° at Haparanda.

Stockholm, Wick, Aberdeen, Leith and Melin heat.

The highest maxima registered over our Islands yesterday were 75° at Cambridge, and 74° at Loughborough and in London.

WIND

Moderate to fresh from the S^W or S^W over the Channel and Bay of Biscay.

Light or moderate from the SE^W in the east of England, from the E^W or NE^W on our northern coasts, and from the NW^W in the south of Ireland.

Variable in Scandinavia and also over the central and southern parts of France.

WEATHER

Showery on our west and south-west coasts, as well as at Yarmouth, but fair or fine in most other parts of western Europe.

Rain fell yesterday in many parts of our Islands and France, the largest amounts being 1.2 ins. at Lyons, and 0.7 in. at Scilly. Thunderstorms occurred yesterday in the N. and E. of St. Britain.

SEA

Moderate to smooth generally, but rather rough at Penbroke.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the southwest will probably advance slowly in a northeasterly direction but there are some indications that it is beginning to fill up. Showery weather is probable over England.

FORECASTS

For the 24 hours ending at NOON on 12TH JULY, 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

E^W winds, light to fresh; fair to cloudy and showery, possibly thunder.

S^W to S^W winds, freshening; unsettled, showery, thunder locally.

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

Same as Nos 0 to 2.

E^W and NE^W winds, moderate, changeable, showery, thunder locally.

S^W to W^W winds, freshening considerably; squally, showery, possibly thunder.

N^W and NE^W winds, moderate or fresh, changeable, 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.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	30.01	67	61	WSW	4	c	3	Valencia ...	29.54	60	59	WSW	3	om	3
Sumburgh Head	29.90	59	58	E	3	o	3	Seilly ...	29.74	62	60	SSW	3	c	4
Stornoway ...	29.75	66	60	NE	3	bc	5	Jersey ...	29.90	70	63	S	3	bc	3
Aberdeen ...	29.84	60	57	SE	2	c	3	Hurst Castle ...	29.88	68	64	SSW	4	bc	4
Shields ...	29.79	62	58	E	4	c	3	Dungeness ...	29.92	68	63	SW	2	b	1
Ardrossan ...	29.72	64	60	Z	0	c	0	North Foreland ...	29.91	68	65	S	5	b	3
Malin Head ...	29.62	58	56	SSE	4	o	2	London ...	29.87	71	60	S	4	bc	*
Mullaghmore ...								Yarmouth ...	29.89	67	63	SSE	5	b	4
Belmullet ...	29.50	63	58	SE	2	o	*	Rochefort ...	29.96	75	75	NW	2	o	*
Holyhead ...	29.78	65	60	SSW	4	c	4								

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

Weather in morning fine and bright over Sweden, the Gulf of Bothnia and Finland, the Baltic and at many stations in central and southern Europe, cloudy more or less both over the eastern and western countries, rainy at our own western and southwestern stations, as well as at Kharkov; a thunderstorm prevalent at Neaples. Rain later at our northern and western stations, as well as over France (1.2 ins. at Lyons, 0.7 ins. at Seilly) and thunderstorms occurring over the northeastern part of St. Britain and at Stornoway.

Temperature risen over Austria, fallen over north Germany and many parts of France. Morning readings highest 87° at La Calle, 84° at Brindisi, and exceeding 70° on the Mediterranean coasts generally as well as over Austria, and at Stockholm; exceeding 60° over England and the greater part of Russia. Lowest 48° at Bodo, 52° at Archangel, 59° to 59° on the extreme northeast coasts of Great Britain, 58° in the northwest of Ireland. Rising later to 86° at Berlin, to 80° and more in the south of France and at Brussels, to 77° at Wick, and to between 70° and 75° over the inland parts of Denmark, England, and at Haïm.

Wind very light and variable (but mainly from the N.W.) over all the northern and eastern parts of Europe; S.W. to S. over Brittany and the southern parts of England and Ireland, S.E. in Scotland; N.W. (strong) in Portugal, S.E. on the east coasts of Spain. Becoming more E. in Scotland later, freshening from the S. on our southwest coasts, and becoming W. in the southwest of France.

Barometer Highest 30.1 ins. and more over the N.W. of Norway and neighbouring parts of the Atlantic, and exceeding 30.0 ins. (except in a few limited areas) over Scandinavia, Denmark, central and southern Europe generally, and the Mediterranean. Lowest 29.5 ins. and less in a depression over the western parts of our Islands and neighbouring parts of the Atlantic; 29.7 ins. and less in another over the south of Russia; 29.8 ins. and less in a third over the north of Finland; and below 30.0 ins. in a very shallow system over Algeria. Falling rather decidedly in the southwest of England later, rising on our N.W. 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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“ Weekly “ “ “ £1 10 0 “

DAILY WEATHER REPORT

for 8 a.m. on WEDNESDAY 12TH JULY. 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).		Max.	Min.
		Inch.	°				Inch.	°	°	°							°	Inch.		
SCANDINAVIA.	Haparanda ...																			
	Hernösand ...																			
	Stockholm ...																			
	Wisby ...																			
	Bodö ...	29.88	57	W	5	C	29.64	-27	47	44	-7	W	6	0	3	C	52	43	0.04	
	Christiansund...	29.95	55	NNE	3	0	29.89	-09	52	47	-1	NE	3	C	2	0	53	50	—	
	Skudesnaes ...	29.88	58	NNW	6	0	29.70	-25	62	53	-1	NNW	4	C	3	C, 0	64	53	—	
	Christiania Fjord (Farrier)	29.80	65	SSE	2	b	29.69	-19	62	60	+1	NNW	3	0	1	b	68	61	—	
	Skagen (The Scaw)	29.81	65	ESE	1	bc	29.61	-22	66	68	+3	NE	1	0	0	bc	75	61	—	
	Fanö ...	29.72	66	ESE	1	C	29.66	-22	66	63	+2	E	0	C	*	C	81	68	—	
BRITISH ISLANDS.	Sumburgh Head	29.89	58	NE	1	0	29.85	-06	52	53	-4	NE	2	0	3	0	53	50	—	
	Stornoway ...	29.78	60	NE	5	bc	29.81	0	59	57	-2	E	3	C	3	bc	63	53	—	
	Wick ...	29.88	56	S	2	C	29.86	-02	56	53	-2	ENE	2	0	1	C	59	54	—	
	Nairn ...	29.79	59	NE	2	C	29.78	-04	57	53	-4	ENE	3	0	3	C	65	54	0.22	
	Aberdeen ...	29.81	58	ESE	2	om	29.79	-05	54	54	-4	NE	3	0	3	om	61	54	0.58	
	Leith ...	29.75	59	E	2	0	29.72	-05	56	56	-2	NNE	2	T	*	0	62	55	0.01	
	Shields ...	29.71	60	NE	2	0	29.68	-13	58	57	+2	NN	1	om	3	of fm	66	53	0.01	
	Spurn Head ...	29.67	62	ESE	3	C	29.61	-14	58	57	-5	NE	2	0	3	bc	62	56	0.01	
	York ...	29.67	68	E	2	C	29.64	-12	62	58	0	NNE	2	0	*	C	71	57	0.02	
	Loughborough	29.69	65	SE	2	C	29.61	-12	58	57	-7	N	1	od fm	*	bc	70	57	0.78	
BRITISH ISLANDS.	Ardrossan ...	29.71	67	SE	1	bc	29.72	-01	62	58	-2	NE	1	0	1	cl bc	71	58	0.03	
	Malin Head ...	29.72	60	N	2	bc	29.75	+03	59	57	+1	S	1	cm	0	bc	62	56	—	
	Mullaghmore ...																			
	Belmullet ...	29.76	63	NNW	5	bc	29.81	+10	60	57	0	NNW	2	0	*	bc	65	57	—	
	Donaghadee ...	29.70	59	ESE	5	of	29.72	+01	59	58	-1	NNW	4	0	2	of	68	57	0.05	
	Liverpool (Bidston)	29.62	66	E	2	0	29.64	-02	62	61	-1	NE	1	0	2	0	69	58	0.02	
	Holyhead ...	29.61	61	ESE	4	cm	29.67	+02	59	58	-2	NNE	3	cm	3	cm	66	58	0.04	
	Parsonstown ...	29.63	62	S	0	C	29.75	+16	60	59	+2	NN	1	bc	*	C	69	52	0.05	
	Valencia ...	29.70	63	N	5	of	29.86	+25	60	58	-1	NNW	4	0	4	of	67	58	0.09	
	Roche's Point	29.62	61	NNE	1	cl	29.76	+27	60	57	0	NNW	4	0	3	cl	65	58	0.53	
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.52	60	NW	4	C	29.64	+11	59	58	-1	N	2	of	2	C	67	57	0.14	
	Scilly ...	29.52	62	NW	3	bc	29.66	+16	62	60	+2	NNW	5	C	4	bc	66	58	0.05	
	Prawle Point ...	29.52	59	S	5	C	29.58	-01	60	59	0	NNW	3	of	2	of	62	53	0.16	
	Jersey (St. Aubin's)	29.53	63	SSE	5	of	29.56	-15	62	60	-1	W	4	of	4	of	66	58	0.19	
	Hurst Castle ...	29.60	60	S	5	of	29.53	-14	62	60	+1	WSW	3	bc	2	cl	65	58	0.61	
	Dungeness ...	29.66	64	S	1	bc	29.53	-20	62	60	-2	WSW	2	C	2	0	68	59	0.02	
	North Foreland	29.65	66	S	2	C	29.54	-20	60	59	-4	S	3	of	2	C	70	58	0.07	
	London ...	29.64	67	S	2	0	29.58	-15	60	59	-9	SE	1	0	*	C	75	57	0.20	
	Oxford ...	29.61	58	S	2	T	29.57	-12	58	57	-5	N	2	of	*	C	69	54	0.63	
	Cambridge ...	29.63	71	SSE	4	C	29.58	-16	63	61	-2	NNW	1	0	*	C	77	53	0.11	
GERMANY & HOLLAND.	Yarmouth ...	29.68	65	SE	4	b	29.58	-20	62	61	+1	ESE	2	C	3	bc	66	59	0.24	
	Cuxhaven ...	29.76	66	SSE	2	b	29.72	-19	66	64	-1	SW	1	m	*	b	72	64	—	
	Berlin ...	29.76	71	S	0	0	29.72	-12	70	65	-2	NNW	1	C	*	0	84	66	0.53	
	Wiesbaden ...	*	*	*	*	*	29.80	-04	66	62	+3	SW	3	bc	*	*	79	59	0.12	
	Munich ...	29.92	59	E	2	0	29.71	-06	64	60	0	SW	4	bc	*	0	75	53	0.12	
	The Helder ...	29.76	66	SW	1	b	29.69	-13	62	60	-4	S	1	b	1	b	70	57	0.20	
	Brussels (9 a.m.)	*	*	*	*	*	29.74	-09	65	60	-2	SW	4	0	*	bc	76	59	0.04	
	Cape Gris Nez	29.68	66	S	1	b	29.57	-20	59	59	-4	W	2	b	3	b	70	57	0.53	
	Paris ...	29.74	77	S	2	0	29.68	-18	61	59	-1	SW	4	C	*	0	77	53	0.16	
	Brest ...	29.74	64	NNW	3	C	29.72	-02	59	59	+1	NN	3	T	4	0	70	52	—	
FRANCE AND BELGIUM.	Lorient ...	29.65	64	WSW	6	C	29.67	-07	62	57	0	NNW	6	C	4	C	68	59	0.51	
	Rochefort ...	29.81	66	WSW	6	C	29.78	-03	64	63	0	W	6	C	*	C	72	57	0.24	
	Belfort ...																			
	Lyons ...	29.82	70	W	1	bc	29.89	-03	65	58	-1	SW	1	bc	*	bc	80	58	0.59	
	Nice ...	29.82	70	SE	1	C	29.82	-06	72	67	+3	E	1	b	0	C	81	64	—	
	Perpignan ...	29.88	75	NN	2	b	29.96	+04	69	68	-2	W	1	0	*	b	84	53	—	
	Biarritz ...	29.97	69	W	4	0	29.95	-02	67	61	+2	W	6	T	4	0	73	62	0.12	
	Corunna ...	29.12	65	NNW	4	b	29.09	-03	68	62	+1	N	4	bc	*	b	73	63	—	
	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 Wednesday, 12th July 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

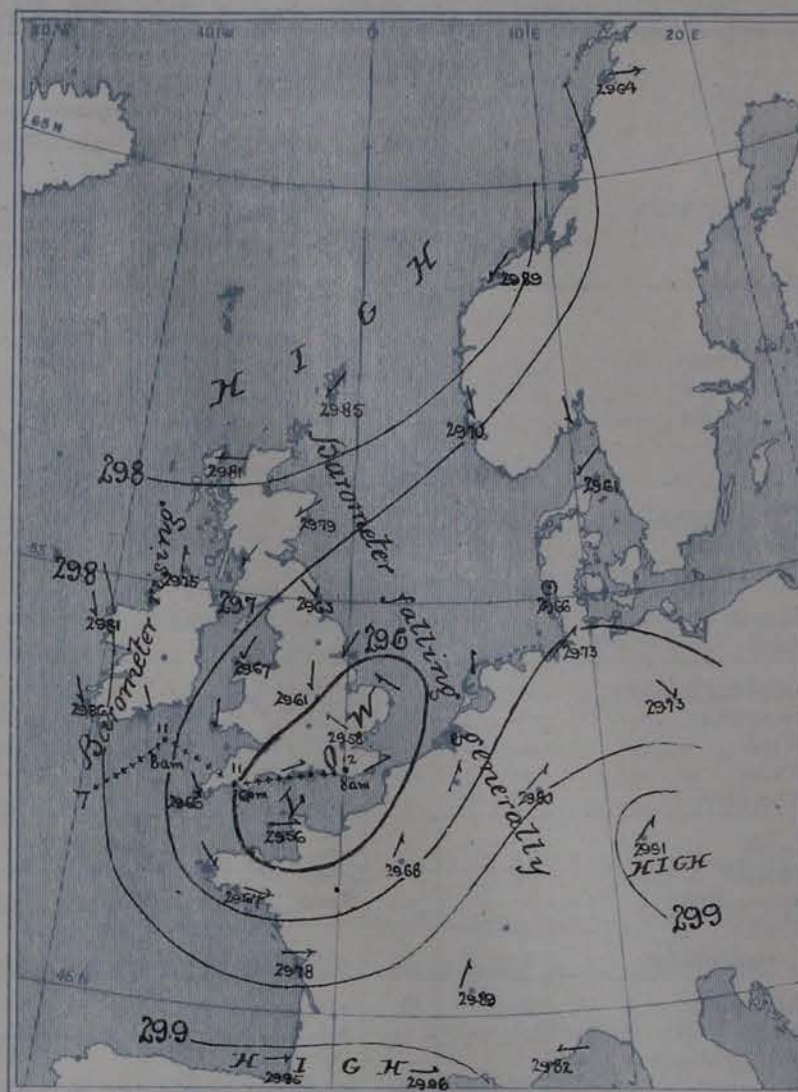
at 8.0 a.m. for the month of July.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry. 8 a.m.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	6.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Scilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.10
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.0	57.8	2.85

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; 29.8 ins: and upwards in a large area lying to the northward of our Islands.
 Lowest, 29.6 ins: and less, in a depression lying over the Channel and the southern and southeastern parts of England.
 Gradients slight. Barometer rising in the west and southwest of our Islands, but falling in nearly all other parts of Western Europe.

TEMPERATURE

Highest, 72° at Nice, 70° at Berlin, 69° at Perpignan, 68° at Liebon, 67° at Biarritz.
 Lowest, 47° at Bodo, 52° at Lumburg, 53° at Churiansund, 54° at Aberdeen, 56° at Wick and Leith, and 57° at Harwich.
 The highest readings observed over our Islands yesterday were 77° at Cambridge, 75° in London, and 71° at York and Anderson.

WIND

Light from the NE^{ly} over the northern parts of Great Britain, moderate from the N^{ly} or NW^{ly} on our west and southwest coasts.
 Variable in the southeast of England; strong from the W^{ly} over the Bay of Biscay; light from the S^{ly} or SW^{ly} over Germany, Central France and the Netherlands.

WEATHER

Cloudy or overcast in most parts of Northwestern Europe, with rain in the east of Scotland, passing showers at many of the English stations, and thunder at the Helder and Cape Frio Key.
 Fine in Germany and the south of France, but rainy at Biarritz.
 Rain fell yesterday in most parts of our Islands, France and Germany, with thunderstorms in places.

SEA

Moderate in the western parts of the Channel, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the southeast of England is moving slowly eastwards, but there are indications on our northeast coasts of the formation of another disturbance. The general conditions are becoming extremely unsettled.

FORECASTS

For the 24 hours ending at NOON on 13th July, 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 NE^{ly} winds, light or moderate; drizzle, some rain.
 Variable breezes, finally NW^{ly} changeable, showery, thunder locally.

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

NE^{ly} to Variable breezes; drizzle, some rain.
 NW^{ly} winds, fresh, changeable, some showers.
 NW^{ly} to W^{ly} winds, moderate; drizzle, 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.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.88	64	59	NNW	6	c	2	Valencia ...	29.66	64	61	N	5	o/p	5
Sumburgh Head ...	29.92	59	57	NE	1	o	2	Scilly ...	29.50	65	62	NNW	4	bc	4
Stornoway ...	29.79	62	61	NE	5	bc	4	Jersey ...	29.65	64	61	S	5	o/p	5
Aberdeen ...	29.82	59	57	ENE	2	o	2	Hurst Castle ...	29.64	63	62	S	5	c/p	3
Shields ...	29.70	62	59	E	2	o	2	Dungeness ...	29.71	65	62	NNW	2	o	2
Ardrossan ...	29.70	63	61	NE	2	c	1	North Foreland ...	29.69	67	61	S	3	c	3
Malin Head ...	29.73	60	57	E	1	b	0	London ...	29.66	71	59	S	0	bc	*
Mullaghmore ...	29.74	64	61	N	5	bc	*	Yarmouth ...	29.72	65	61	SE	4	bc	4
Belmullet ...	29.74	65	62	E	2	o/p	2	Rochefort ...	29.84	69	66	WSW	5	c	*
Holyhead ...	29.62														

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

Weather in morning fine and bright over southwestern, southern, southeastern, and central Europe, as well as over the Baltic Provinces and Finland, also in several of the eastern parts of England and the coast of Scotland; very unsettled and rainy over our western and southwestern districts and the western half of the Channel, with a threatening appearance. Rain falling later in nearly all parts of our Islands, France and Germany - amounts large at Loughborough and in some parts of London; thunder and lightning occurring locally.

Temperature changing fitfully. Morning readings highest 86° at thunders, and above 80° at Lghorn and several Algerian stations; above 70° at the Mediterranean stations generally; and above 60° except in the far north. Lowest 43° at Archangel, 53° at Kuopio, 54° at Christiansund, 56° at Shields. Rising later to between 70° and 77° over England, to 80° at Lyons, and to 84° at Berlin.

Wind extremely light and variable from the N^W over Russia and Finland; very variable over central and southern Europe with the Mediterranean. Well-marked cyclonic circulation of light to fresh breezes over the British Isles and the west and northwest of France. Above named circulation moving eastwards, very slowly, later.

Barometer highest 30.1 ins: and more to 30.0 ins: over the western half of the Spanish Peninsula, and exceeding 30.0 ins: over Malta, Sicily, and the southern half of Italy, as well as in some parts of Scandinavia, exceeding 29.9 ins: over Germany and Austria-Hungary. Lowest 29.5 ins: and less, in a depression over the southwest of our Islands, having its centre between Cornwall and the southeast of Ireland; 29.7 ins: and less over the northeast of Russia. Depression near Cornwall moving eastwards 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.

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 13th July,

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).	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 ...	29.88	?	N	2	b	29.40	-0.3	?	4.0	?	HRW	6	c	#	b	59	39	0.04			
Hernösand ...	29.59	57	NW	4	c	29.60	-0.06	51	4.3	-11	HRW	6	b	#	c	70	50				
Stockholm ...	29.59	67	SSW	2	0	29.56	-0.19	56	5.3	-11	HE	2	0	#	o	77	?	3.00			
Wisby ...	29.60	66	SW	4	0	29.50	-0.25	66	6.4	-3	W	4	b	#	o	73	54				
Bodö ...	29.67	40	NW	6	c	29.69	+0.05	44	4.0	-3	NW	6	0	3	c	47	39	0.04			
Christiansund...	29.76	53	NNE	4	c	29.75	-0.14	51	4.5	-2	HE	8	bc	3	c	54	48				
Skudesnaes ...	29.58	59	HRW	6	b	29.50	-0.20	62	5.8	0	SSE	1	0	2	b	66	54				
Christiania Fjord (Færdar)	29.54	69	HRW	2	b	29.50	-0.19	64	6.1	+1	NNE	4	T	1	b	70	63				
Skagen (The Seaw)	29.56	61	Z	0	m	29.50	-0.11	63	?	-3	SW	1	m	0	m	75	54				
Fanö ...	29.56	65	Z	0	b	29.50	-0.16	66	6.2	0	WSW	2	c	#	b	77	41				
Sumburgh Head	29.77	51	NNE	3	0	29.69	-0.16	52	5.0	0	NNE	3	0	4	o	55	48				
Stornoway ...	29.79	56	HE	4	0	29.78	-0.03	52	4.9	-7	HE	3	0	3	o	60	49	0.01			
Wick ...	29.76	53	NW	2	0	29.76	-0.10	52	5.1	-4	NW	3	0	1	p.o	57	49	0.01			
Nairn ...	29.76	56	E	1	0	29.75	-0.03	54	4.9	-3	E	2	c	2	o	65	50	0.04			
Aberdeen ...	29.76	54	NNE	2	0	29.73	-0.06	53	4.8	-1	N	1	0	2	og	56	51	0.02			
Leith ...	29.73	55	E	2	0	29.71	-0.01	53	5.0	-3	E	1	0	#	o	57	50	0.14			
Shields ...	29.67	56	HRW	3	OT	29.69	+0.06	53	5.1	-5	N	4	op	4	p.o, r	62	50	0.03			
Spurn Head ...	29.58	59	N	2	c	29.62	+0.01	57	5.5	-1	N	5	0	4	p, r	63	55	0.35			
York ...	29.61	64	N	3	c	29.68	+0.04	54	5.4	-8	HRW	3	T	#	c	68	53	0.19			
Loughborough	29.60	62	NW	1	c	29.68	+0.07	56	5.5	-2	NW	2	T	#	cp	65	55	0.23			
ISLANDS.																					
Ardrossan ...	29.72	59	HE	3	om	29.72	0.00	56	5.4	-6	HE	1	om	1	om	66	53	0.01			
Malin Head ...	29.72	63	NW	1	bm	29.75	0.00	56	5.4	-3	N	3	op	2	c, bm	64	56				
Mullaghmore ...																					
Belmullet ...	29.80	61	NW	3	0	29.82	+0.01	61	5.8	+1	HRW	3	0	#	o	65	56				
Donaghadee ...	29.71	63	HRW	5	c	29.73	+0.01	57	5.6	-2	HE	2	c	0	c	66	55				
BRITISH.																					
Liverpool (Bldston)	29.61	67	HE	1	c	29.71	+0.07	57	5.4	-5	Z	0	0	1	c	69	55	0.11			
Holyhead ...	29.67	61	N	2	b	29.73	+0.06	57	5.5	-2	N	3	og	2	b	63	56	0.08			
Parsonstown ...	29.75	63	SE	1	bc	29.78	+0.03	59	5.8	-1	Z	0	0	#	bc	71	51				
Valencia ...	29.86	60	NW	5	om	29.88	+0.02	61	5.9	+1	HRW	3	cm	3	om	63	58				
Roche's Point	29.78	65	HRW	5	b	29.81	+0.05	62	5.8	+2	HRW	4	c	3	b	66	56				
Pembroke (St. Ann's Hd.)	29.70	61	HRW	3	bc	29.73	+0.09	62	5.9	+3	N	3	bc	2	bc	66	57				
Scilly ...	29.77	63	HRW	4	c	29.79	+0.13	61	5.8	-1	HRW	4	c	4	c	64	57	0.01			
Prawle Point ...	29.66	64	HRW	3	0	29.74	+0.16	58	5.8	-2	W	2	og	1	op	68	56	0.40			
Jersey (St. Aubin's)	29.66	65	W	4	b	29.75	+0.19	63	6.1	+1	W	5	cm	4	b, gp	66	61	0.06			
Hurst Castle ...	29.58	65	NW	4	c	29.67	+0.12	64	6.1	+2	HRW	3	bc	2	bp, c	67	57	0.18			
Dungeness ...	29.53	64	WSW	3	bc	29.61	+0.06	63	6.0	+1	HRW	3	cp	2	bc, l	67	58	0.02			
North Foreland	29.50	63	S	1	c	29.58	+0.04	63	5.9	+3	HRW	2	cg	2	c, tlp	66	57	0.65			
London ...	29.55	61	HRW	2	tel	29.64	+0.06	59	5.8	-1	NW	2	op	#	optl	67	57	0.13			
Oxford ...	29.60	57	NW	2	0	29.66	+0.09	59	5.6	+1	N	2	0	#	ot, tl	69	57	0.55			
Cambridge ...	29.56	61	NNE	1	T	29.64	+0.06	57	5.6	-6	HRW	3	T	#	T	66	55	0.44			
Yarmouth ...	29.55	65	E	2	b	29.56	-0.02	60	5.9	-2	NW	2	c	3	b	66	57	0.02			
GERMANY & HOLLAND.																					
Cuxhaven ...	29.64	64	E	2	bc	29.57	-0.16	61	6.0	-5	S	2	c	#	bc	71	60	0.52			
Berlin ...	29.61	75	SE	2	c	29.65	-0.08	66	6.1	-4	SW	4	b	#	c	86	61				
Wiesbaden ...	#	#	#	#	#	29.69	-0.11	65	6.0	-1	SW	3	c	#	#	75	69	0.08			
Munich ...	29.87	62	SW	3	T	29.87	-0.04	58	5.6	-6	SSW	4	0	#	T	73	55				
The Helder ...	29.58	63	E	1	bc	29.55	-0.14	62	6.0	0	WSW	1	0	1	bc	66	55	0.51			
FRANCE AND BELGIUM.																					
Brussels (9 a.m.)	*	*	*	*	*	29.60	-0.14	59	5.8	-6	SW	4	0	#	o	70	55	1.02			
Cape Gris Nez	29.51	63	W	1	b	29.59	+0.02	60	5.8	+1	NW	4	m	4	b	72	57				
Paris ...	29.63	64	SW	2	T	29.72	+0.04	59	5.8	-2	SW	2	0	#	T	69	58	0.59			
Brest ...	?	62	NW	3	m	?	?	60	5.9	+1	NW	3	c	2	m	66	57	0.04			
Lorient ...	29.76	64	HRW	6	c	29.84	+0.17	60	5.8	-2	HRW	5	c	4	c	66	59				
Rochefort ...	29.82	66	W	7	c	29.86	+0.08	64	6.4	0	HRW	5	c	#	c, tlr	70	63	0.12			
Belfort ...	?	62	W	4	c	?	?	59	5.4		W	5	0	#	e	68	54				
Lyons ...	29.85	66	WSW	1	T	29.87	-0.02	63	5.5	-2	SW	1	0	#	T	77	58				
Nice ...	29.71	79	W	6	b	29.77	-0.05	68	5.9	-4	SW	2	c	3	b	68	68				
Perpignan ...	29.93	73	W	3	0	29.95	-0.01	65	5.8	-4	Z	0	0	#	o	79	64				
Biarritz ...	29.97	69	W	4	c	29.93	-0.02	65	6.1	-2	WSW	5	p	3	c	73	63	0.12			
PORTUGAL.																					
Corunna ...	30.08	#	HRW	#	#	30.08	-0.01	69	6.3	+1	HRW	5	bc	#	#	75	64				
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 Thursday, 13th July, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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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

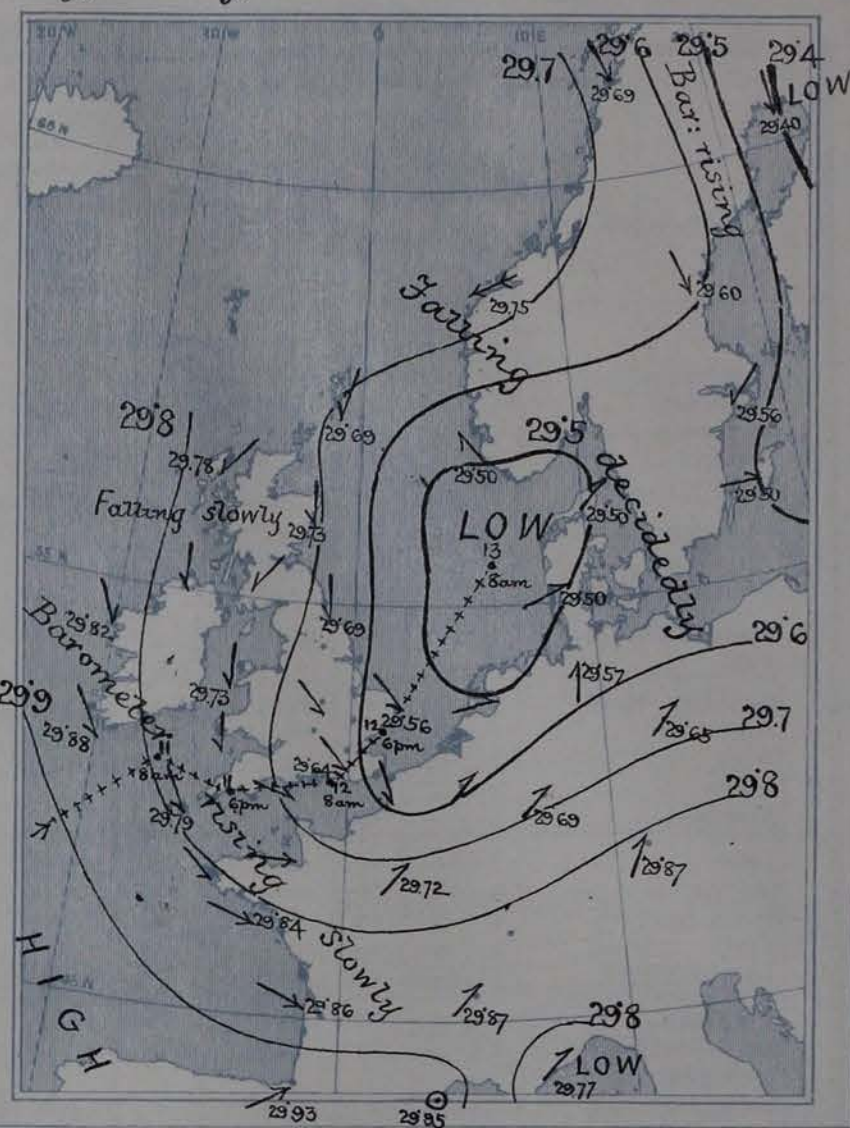
at 8.0 a.m. for the month of July.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
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Stornoway	29.795
Wick	29.806
Nairn	29.815
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Roche's Point	29.932
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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.

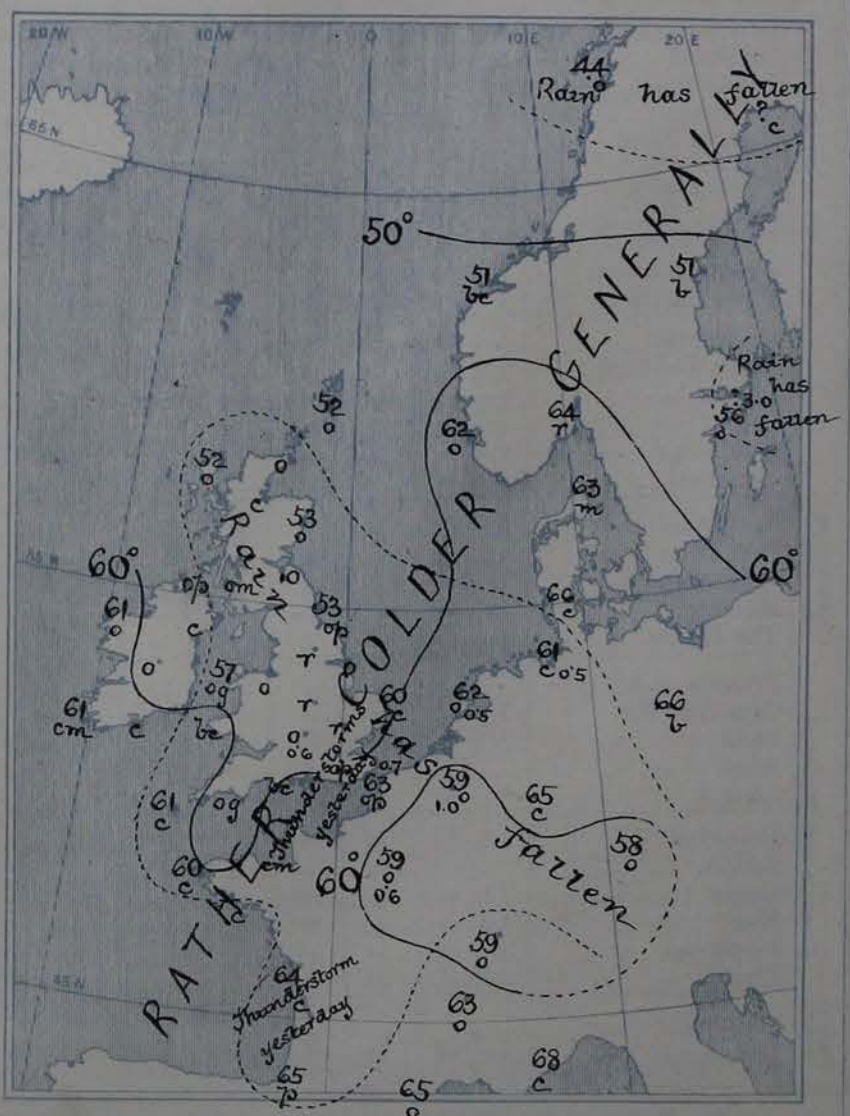
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry. At 8 a.m.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
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Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
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Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Scilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.0	57.8	2.85

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 in. and more to 29.9 in. over the Spanish Peninsula and southeast of France, and above 29.8 in. over the western half of Ireland.
 Lowest, 29.4 in. and less, over Finland, and 29.5 in. and less, in a depression lying over the eastern side of the North Sea.
 Gradients moderate to slight. Barometer rising over England, steady over Ireland, falling somewhat in Scotland.

TEMPERATURE

Highest, 69° at Lisbon, 68° at Nice, 66° at Berlin and Wiesbaden, 64° at Hurst Castle, 61° in the west of Ireland.
 Lowest, 44° at Bodo, 52° at Lumburg and Homoway, 53° at Aberdeen and Shields.

The maxima yesterday did not reach 70° at any of our own stations excepting Portsmouth, but readings were recorded as high as 79° at Perpignan, 86° at Berlin, 88° at Nice.

WIND

- (1) Strong to a gale from between NW. and NE. over the northern half of Scandinavia, but W^{ly}, moderate at Wiesbaden.
- (2) Light to moderate from the Nth over Ireland and Scotland, moderate NW^{ly} over the southeast of England and at Sicily, rather fresh W^{ly} over the Channel and Bay of Biscay, moderate SW^{ly} over Germany and the northeast of France.

WEATHER

Fine over the Baltic and Germany, cloudy and changeable over France and the British Islands generally, with rain in several localities. Thunderstorms occurred very generally over the southern part of England yesterday and at some Continental stations. Rainfall varied locally; it was 1.0 inch at Birmm, 0.7 inch at the North Foreland, 0.6 inch at Oxford, but only two hundredths at Yarmouth and Bournemouth.

SEA

Moderate over the Bay of Biscay, the Channel, and the North Sea, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Passing showers are likely to occur over many parts of England today, but the night will probably be clear and cold.

FORECASTS

For the 24 hours ending at NOON on 14TH JULY, 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

Nth breezes, moderate to light; changeable, some showers.

Same as N^o 5

Same as N^{os} 0 and 1.

NW^{ly} breezes, moderate and light; cloudy, some showers, then clearer. Cold tonight.

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

Nth breezes, moderate; changeable, some showers, then clearer.

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 ...	29.64	66	61	W	5	b	2	Valencia ...	29.87	62	60	W	3	om	3
Sumburgh Head	29.81	54	52	NE	2	o	3	Scilly ...	29.73	63	61	W	5	c	4
Stornoway ...	29.80	58	56	NE	4	o	4	Jersey ...	29.72	65	62	W	5	c	4
Aberdeen ...	29.78	55	52	NE	3	o	4	Hurst Castle ...	29.56	65	63	NE	2	pt	2
Shields ...	29.66	61	58	ENE	2	o	3	Dungeness ...	29.53	67	62	SW	3	bc	2
Ardrossan ...	29.72	60	58	NE	2	o	1	North Foreland ...	29.53	65	62	SE	3	c	2
Malin Head ...	29.75	63	59	W	1	c	0	London (Westminster)	29.54	64	59	S	1	og	*
Mullaghmore ...	29.60	64	59	W	3	bc	*	Yarmouth ...	29.56	66	63	ESE	3	b	3
Belmullet ...	29.69	62	59	N	3	b	2	Rochefort ...	29.82	68	66	W	7	c	*
Holyhead ...	29.69	62	59	N	3	b	2								

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

Weather cloudy or overcast in most parts of northwestern Europe, with rain in the east of Scotland, passing showers at many of the English stations and thunder at the Helles and Cape Fin Niz. Fine in Sweden and also over the greater part of eastern, central, and southern Europe, but dull in Poland and eastern Germany, and rainy at Pilsen and Vienna. Sky clearing later at several of our western stations, but frequent showers reported in all other parts of the United Kingdom, with thunderstorms in the south of England and some parts of France.

Temperature fallen in Great Britain, changed irregularly elsewhere. Morning readings highest 84° at Brindisi, 83° at Sfax, 81° at Trieste, Palermo, and 80° at La Calle; above 70° over Southern Europe generally, as well as at some of the Baltic stations. Lowest 47° at Pizzo, 48° at Archangel, 52° at Haparanda and Sumburgh Head, 53° at Christiansund and 54° at Aberdeen. Rising during day to 65° or more at most of the English and Irish stations, as well as over Central Scotland, and reaching 71° at Parsonstown. Exceeding 75° in many parts of France and Germany and rising to 86° at Berlin and 88° at Nice.

Wind light NE³ over the northern parts of Great Britain, moderate N³ or NW³ on our west and southern coasts, strong W³ over the Bay of Biscay, light SW³ over Central France, Germany, and the Netherlands, variable in the southeast of England. Strong from the W² over the northern parts of Ireland and Scandinavia, with a gale at Uleaborg; N³ over central and southern Russia. Variable over Austria and Italy. E³ (SE to NE) in Spain. S³ or SE³ in Algeria. No important change occurring during day.

Barometer highest 30.0 ins. and upwards, over the western parts of the Iberian Peninsula and also over Tunis and the extreme south of Italy. Lowest 29.5 ins. and less, in a depression lying over Lapland. 29.6 ins. and less, in another system lying over the Channel and the southeastern part of England. Latter disturbance subsequently moving northwards; new depression forming over the south of Scandinavia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are 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 FRIDAY, 14TH JULY, 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.	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.
Ins.		°				Ins.	°	°	°								°	Ins.		
SCANDINAVIA.	Haparanda ...	29.52	49	NW	2	0	29.65	+1.25	53	44	+5	NNE	2	bc	+	0	57	39	—	
	Hernösand ...	29.68	60	SW	2	b	29.69	+0.01	54	49	+5	N	4	b	+	0	64	46	—	
	Stockholm ...	29.65	58	ENE	2	c	29.67	+0.02	57	49	+1	NNE	2	b	+	0	66	52	0.004	
	Wisby ...	29.58	57	E	4	0	29.64	+0.06	50	50	0	NE	2	+	+	0	72	54	0.001	
	Bodö ...	29.76	46	SW	2	bc	29.79	+0.03	47	42	+5	N	4	0	2	bc	53	41	—	
	Christiansund ...	29.76	49	NE	2	b	29.80	+0.04	51	47	0	ENE	6	b	+	0	54	48	—	
	Skudesnaes ...	29.52	63	WNW	2	c	29.63	+0.11	62	53	+1	SE	2	0	2	c	68	57	—	
	Christiania Fjord (Fæder)	29.55	61	ENE	5	0	29.67	+0.12	58	54	-6	NE	4	0	1	0	64	57	0.001	
	Skagen (The Scaw)	29.51	69	NNE	1	0	29.58	+0.07	63	53	0	ENE	2	0	1	0	81	63	—	
	Fanö ...	29.55	58	NW	2	c	29.61	+0.06	60	56	-6	NW	2	c	+	0	72	58	—	
BRITISH ISLANDS.	Sumburgh Head	29.72	53	NNE	4	bc	29.81	+0.09	52	49	0	NNE	2	0	4	bc	58	48	—	
	Stornoway ...	29.85	52	NE	2	0	29.92	+0.07	54	50	+2	N	4	0	4	0	53	48	—	
	Wick ...	29.80	52	N	2	0	29.88	+0.08	52	53	0	N	4	0	1	0	53	49	0.001	
	Nairn ...	29.78	53	W	2	c	29.90	+0.12	53	49	-1	NW	2	0	2	c	58	47	—	
	Aberdeen ...	29.76	52	N	2	0	29.86	+0.10	53	48	0	NNW	2	0	4	c, op	56	50	—	
	Leith ...	29.74	56	2	0	0	29.87	+0.13	55	51	+2	N	1	0	+	0	57	51	—	
	Shields ...	29.75	56	NNW	2	c	29.86	+0.11	55	53	+2	NNE	4	c	5	0, c	57	50	—	
	Spurn Head ...	29.72	56	NNW	4	c	29.81	+0.09	56	53	-1	NNW	4	c	4	0, c	58	53	0.004	
	York ...	29.75	57	N	1	0	29.86	+0.11	56	51	+2	N	2	0	+	0	53	53	0.001	
	Loughborough	29.76	53	NNE	1	0	29.87	+0.11	52	51	-4	SW	1	omd	+	0	63	53	0.003	
BRITISH ISLANDS.	Ardrossan ...	29.74	53	NNW	1	0	29.89	+0.15	57	53	+1	NW	2	0	2	0	61	52	—	
	Malin Head ...	29.83	57	NNW	4	0	29.96	+0.13	54	48	-2	N	2	0	2	c, 0	59	54	—	
	Mullaghmore ...	29.93	62	NW	4	bc	30.05	+0.12	60	53	-1	NNW	2	0	+	0, bc	63	53	—	
	Belmullet ...	29.80	59	NNE	6	b	29.92	+0.12	53	52	-2	NNE	6	b	4	b	64	53	—	
	Donaghadee ...	29.80	59	NNE	6	b	29.92	+0.12	53	52	-2	NNE	6	b	4	b	64	53	—	
	Liverpool (Bidston)	29.77	60	NNW	2	0	29.86	+0.09	57	54	0	NE	2	c	1	0	64	54	0.001	
	Holyhead ...	29.79	61	NW	2	c	29.90	+0.11	58	53	-2	N	5	0.009	4	b, c	64	54	—	
	Parsonstown ...	29.88	63	NW	1	c	29.95	+0.07	58	56	-1	2	0	0	+	c	64	53	—	
	Valencia ...	29.79	62	NW	4	bc	30.09	+0.10	60	53	-1	NNW	4	bc	4	c, bc	64	57	—	
	Roche's Point	29.86	65	NNW	5	bc	30.02	+0.16	60	56	-2	NNW	3	c	3	bc	69	53	—	
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.80	61	W	2	c	29.94	+0.14	58	52	-4	NNW	4	bc	3	c	64	53	—	
	Scilly ...	29.86	63	NW	4	c	29.95	+0.09	60	58	-1	NNW	4	c	4	c	65	56	—	
	Prawle Point ...	29.79	63	NW	2	bc	29.91	+0.12	61	58	+3	NNW	2	c	1	bc, b, c	68	56	0.001	
	Jersey (St. Aubin's)	29.79	65	NNW	5	bc	29.87	+0.08	62	53	-1	NW	3	c	2	c, bc	67	58	—	
	Hurst Castle ...	29.75	60	NNW	2	c	29.86	+0.11	53	57	-5	NNE	4	c	2	c, bc	70	57	0.005	
	Dungeness ...	29.70	63	NNE	5	c	29.82	+0.12	57	53	-6	NNW	1	0	1	c	70	53	0.002	
	North Foreland	29.68	61	N	4	0.001	29.80	+0.12	58	52	-5	N	2	0.001	3	bc, op	65	54	—	
	London ...	29.74	62	NNW	1	0	29.85	+0.11	58	54	-4	ESE	1	0.001	+	0, bc, op	65	53	0.002	
	Oxford ...	29.76	60	ENE	2	0	29.85	+0.09	57	52	-2	NW	2	0	+	0, bc	68	54	—	
	Cambridge ...	29.75	58	NW	2	0	29.85	+0.10	57	54	0	NNW	1	0	+	0	69	53	0.001	
Yarmouth ...	29.68	59	NNW	4	c	29.79	+0.11	53	54	-1	NNW	2	c	3	c	61	52	0.004		
GERMANY & HOLLAND.	Cuxhaven ...	29.57	63	W	2	bc	29.65	+0.08	61	61	0	W	2	b	+	0	69	61	0.001	
	Berlin ...	29.60	71	SW	2	b	29.66	+0.06	66	61	0	W	2	b	+	0	81	53	—	
	Wiesbaden ...	29.81	62	W	4	c	29.75	+0.06	63	58	-2	W	2	c	+	0	70	53	0.001	
	Munich ...	29.81	62	W	4	c	29.82	+0.01	59	53	+1	NW	2	0	+	0	72	53	—	
	The Helder ...	29.81	62	W	4	c	29.82	+0.01	59	53	+1	NW	2	0	+	0	72	53	—	
	Brussels (9 a.m.)	29.71	59	N	2	+	29.80	+0.09	57	53	-2	W	2	0	+	0	69	53	0.002	
	Cape Gris Nez	29.71	59	N	2	+	29.78	+0.07	58	53	-2	NE	2	c	3	+	64	53	—	
	Paris ...	29.75	62	SW	2	0	29.77	+0.02	53	57	0	NNW	2	0	+	0	68	53	0.001	
	Brest ...	29.84	64	NNW	5	bc	29.91	+0.07	53	58	-1	NW	4	c	3	bc	66	57	—	
	Lorient ...	29.84	64	NNW	5	bc	29.91	+0.07	53	58	-1	NW	4	c	3	bc	66	57	—	
FRANCE AND BELGIUM.	Rocheport ...	29.86	64	NW	4	c	29.87	+0.01	62	61	-2	NNE	4	0	+	0	70	59	0.002	
	Belfort ...	29.81	66	NNW	2	b	29.81	+0.00	58	54	-5	NW	2	0	+	0	75	54	0.001	
	Lyons ...	29.68	69	SW	4	b	29.65	-0.03	69	58	-1	W	1	bc	1	b	82	61	—	
	Nice ...	29.87	68	W	2	0	29.88	+0.01	63	57	-2	NW	4	0	+	0	78	62	—	
	Perpignan ...	29.87	68	W	2	0	29.88	+0.01	63	57	-2	NW	4	0	+	0	78	62	—	
	Biarritz ...	29.95	66	W	5	+	29.96	+0.01	65	60	0	NW	5	+	4	+	80	59	1.001	
	Corunna ...	29.11	66	N	4	b	29.08	-0.03	68	53	-1	NNE	6	b	+	0	75	63	—	
	Lisbon ...	29.11	66	N	4	b	29.08	-0.03	68	53	-1	NNE	6	b	+	0	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

Friday, 14th July, 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

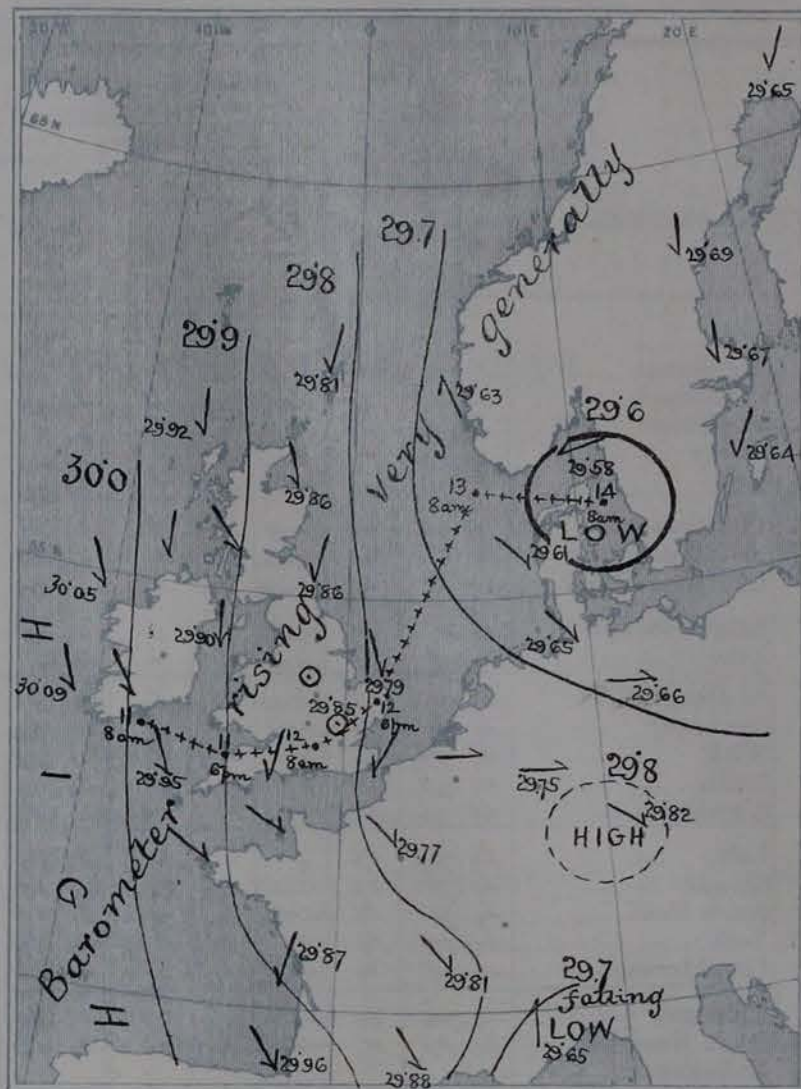
at 8.0 a.m. for the month of July.

During the 20 Years 1871–1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.900
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Pravle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

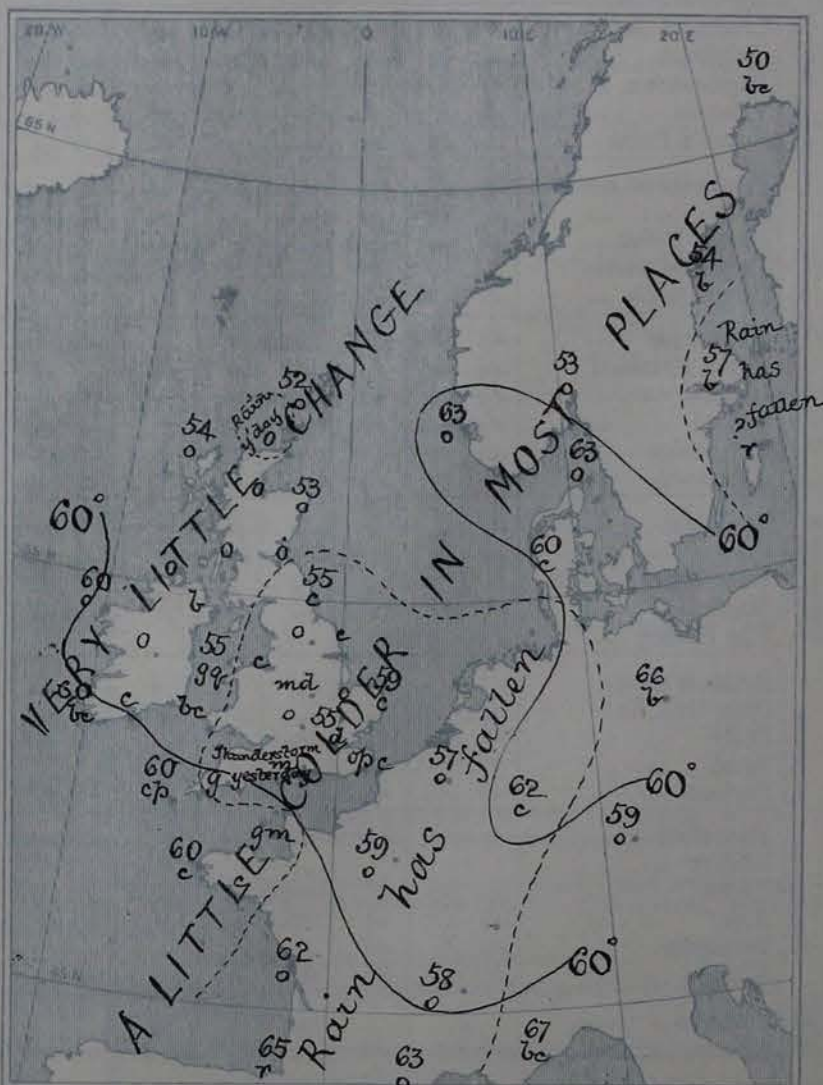
WEATHER is shown by Letters of the Beaufort Scale.

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

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

STATIONS.	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.102
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.50
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrrossan	63.5	53.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Scilly	64.4	56.2	60.2	58.1	2.40
Pravle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.9	57.8	2.85

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 in: and more over Spain and the western half of Ireland, with all adjacent parts of the Atlantic.
 Lowest, 29.6 in: and less over Ireland, and also in a small depression over the Kattegat.

Gradients slight and mainly favourable for N³ winds.

Barometer rising generally except in the south of France.

TEMPERATURE

Highest, 68° at Lisbon, 67° at Nice, 66° at Berlin, and 63° at Stockholm.

Lowest, 50° at Haparanda, 52° at Seaburgh N³ Wick, and Loughborough. It is below 60° in almost all parts of our Islands.

The maxima recorded yesterday were below 70° over Great Britain and Ireland, except at Hunt Castle and Dungeness. They were however, 75° at Lyons, 78° at Perpignan, and 81° at Nice.

WIND

N³ over the British Islands as a whole, N³W over France. There were, however, very faint and variable airs reported at some of the English (inland) stations.

A strong N³ breeze prevails over the Irish Sea.

WEATHER

Fine and bright on the Swedish coast, as well as at some Irish stations, dull elsewhere — especially over Central England, with slight rain in London and showers at Dungeness.

Slight showers have fallen locally, in many parts of our Islands, France, and Sweden, thunderstorms have occurred at Pauze Pt and Hunt Castle, and heavy rain 1.2 in: at Biarritz.

SEA

Moderate on our west, north, and east coasts, slight in the south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Slight local showers are still probable over this country, with a great deal of cloud and low temperatures.

FORECASTS

For the 24 hours ending at NOON on 15th July, 1893.

DISTRICTS.

FORECASTS.

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

N³ winds, light; fair as a whole.

N³ and Varying airs; dull, slight rain locally then fair.

DISTRICTS.

FORECASTS.

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

N³ winds, moderate to fresh; slight showers, but fair as a whole.

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 ...	29.50	67	60	WNW	4	c	2	Valencia ...	29.94	62	61	NW	4	cm	4
Sumburgh Head ...	29.69	57	50	NNE	4	bc	4	Scilly ...	29.83	64	60	NW	4	c	4
Stornoway ...	29.82	52	50	NNE	4	o	4	Jersey ...	29.78	66	62	W	5	c	4
Aberdeen ...	29.74	52	50	NW	2	c	2	Hurst Castle ...	29.70	64	62	NNE	1	mptd	2
Shields ...	29.74	53	51	N	2	o	4	Dungeness ...	29.64	69	61	N	5	c	4
Ardrossan ...	29.74	59	56	S	1	o	1	North Foreland ...	29.62	65	61	N	5	bc	2
Malin Head ...	29.81	59	54	NNW	4	c	2	London (W. of ...)	29.69	68	57	NW	2	o	*
Mullaghmore ...								Yarmouth ...	29.64	61	58	NW	2	c	2
Belmullet ...	29.89	62	58	NNW	2	o	2	Rocheport ...	29.87	69	66	NW	4	c	*
Holyhead ...	29.77	62	59	NNW	2	bc	2								

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

Weather cloudy or overcast in most parts of Western Europe, with rain at several of the English stations, as well as at Bander and Biarritz. Fine in many parts of Scandinavia, Russia, Germany, Austria and Italy, but rainy over the Gulf of Finland. Thunderstorms reported at Barcelona. Sky clearing later in Ireland, but weather remaining cloudy in most parts of Great Britain and France, with showers in places, and with local thunderstorms in the south of England.

Temperature fallen in nearly all countries. Morning readings, highest 86° at Brindisi, 82° at Trieste, 81° at La Calle and Tunis, and 79° at Algiers, above 70° in most parts of southern and eastern Europe, and above 65° at several of the central stations. Lowest 44° at Bodo, 45° at Haparanda, 48° at Uleaborg, 50° at Archangel, and 51° at Thessalon and Christiansund; below 55° over the northern parts of Great Britain. Rising during day to between 65° and 70° over the southern parts of our islands, but remaining below 60° at several of our northern stations. Exceeding 80° in some parts of France and Germany.

Wind light to moderate from the Nnd or NWnd in our islands, fresh from W. or NW. over Spain and the Bay of Biscay; SW^{ly} over Central France, Germany, Denmark, and the Netherlands. NE^{ly} over the more southern parts of Scandinavia, with a gale at Christiansund. Strong from the Nnd in the north of Sweden, light from W. or SW. over the northern parts of Russia; S^{ly} over the south of Russia, and also in the north of Italy; variable in the south of Italy.

Barometer highest 30.0 ins. and upwards, in an anticyclone extending from the Atlantic over the western parts of the Spanish Peninsula. 29.9 ins. and upwards, over the Black Sea and the south of Russia. Lowest 29.2 ins. and less, in a depression over the White Sea, 29.5 ins. and less, in two other systems, one lying over the eastern parts of the North Sea and the other over the northern parts of the Baltic, 29.6 ins. and less, in a fourth system over Galicia. Depression over North Sea subsequently moving eastwards across Denmark.

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 "

for 8 a.m. on SATURDAY, 15TH JULY. 1893

1893

SCANDINAVIA.

BRITISH ISLANDS

GERMANY &
HOLLAND

FRANCE AND BELGIUM.

PENIN-SULA.

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, 15th July, 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 shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

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

SEA DISTURBANCE—Where considerable, is shewn thus:

▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

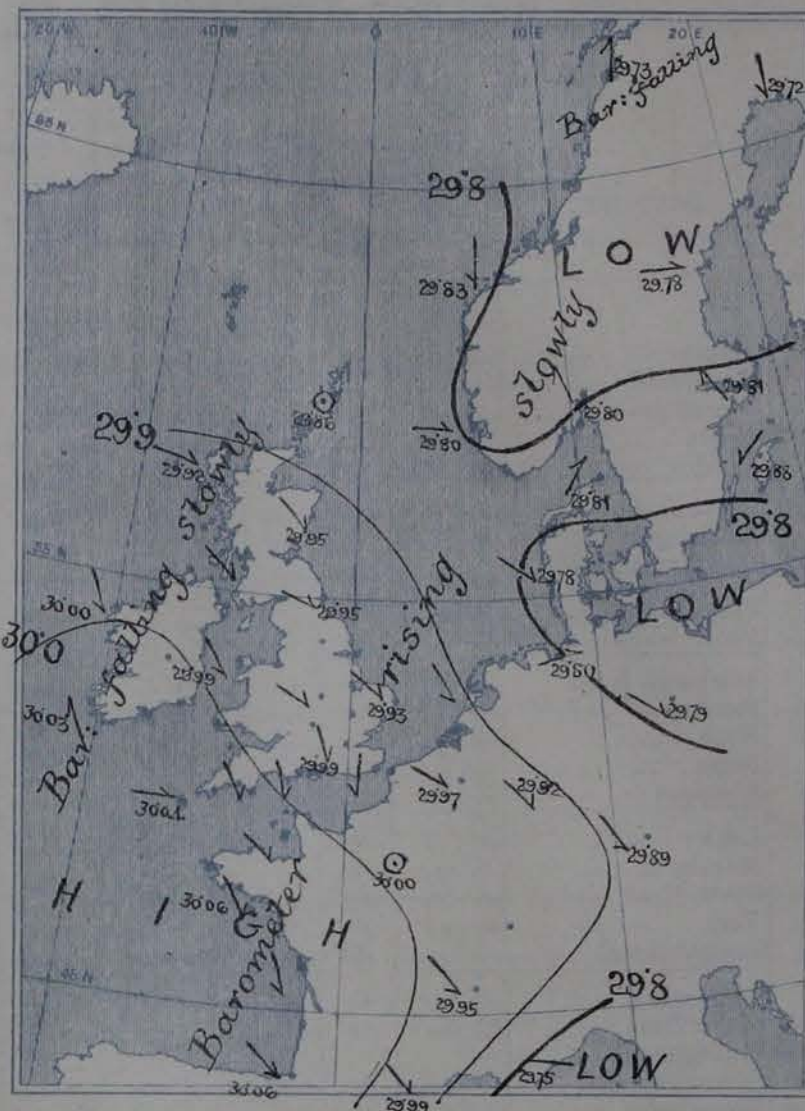
at 8.0 a.m. for the month of July.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

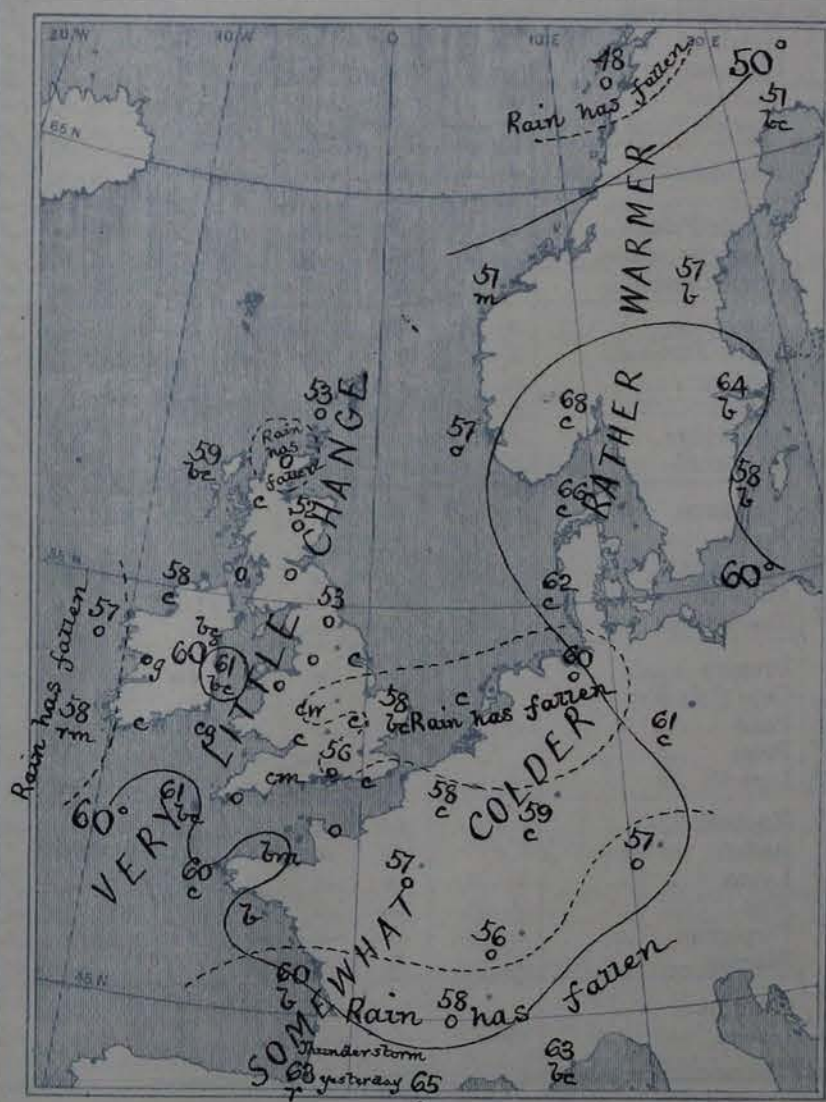
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway.....	60.2	48.9	55.5	53.6	3.02
Wick.....	61.8	48.7	55.8	53.5	2.34
Nairn.....	64.3	50.9	56.7	53.3	2.59
Aberdeen.....	63.9	50.6	57.5	53.9	2.78
Leith.....	66.7	51.2	58.4	54.9	2.85
Shields.....	64.1	52.2	58.3	55.0	2.66
Spurn Head.....	65.1	55.2	59.5	56.8	1.74
York.....	68.7	51.9	59.2	55.9	2.70
Loughborough.....	71.5	52.6	61.4	57.6	2.34
Ardrossan.....	63.5	52.8	57.3	54.6	2.91
Mullaghmore.....	62.9	54.0	57.2	54.4	3.72
Donaghadee.....	63.2	51.8	57.4	55.5	2.82
Holyhead.....	63.8	54.3	58.1	55.8	2.40
Liverpool.....	65.9	54.2	59.4	55.6	2.96
Parsonstown.....	66.4	51.5	58.1	54.8	2.96
Valencia.....	64.0	53.6	58.9	56.4	3.90
Roche's Point.....	66.1	53.2	58.8	55.9	3.29
Pembroke.....	62.5	54.8	58.0	56.0	2.54
Scilly.....	64.4	56.2	60.2	58.1	2.46
Prawle Point.....	64.5	53.7	59.6	57.3	2.24
Jersey.....	68.3	56.2	62.0	58.9	2.40
Hurst Castle.....	67.8	55.5	61.1	58.8	2.20
Dover.....	66.8	56.3	61.9	58.4	1.95
LONDON.....	72.4	54.0	62.0	57.8	2.38
Oxford.....	69.6	53.4	60.0	56.6	2.58
Cambridge.....	71.9	52.2	61.3	57.7	2.42
Yarmouth.....	66.6	54.9	60.9	57.8	2.85

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 more over the northwest of Spain, the Bay of Biscay, and the southwestern part of our Islands.
 Lowest, 29.8 ins: and less, over the northern half of Scandinavia, as well as over the Baltic and North Germany.
 Gradients very slight — especially in the southwest.
 Barometer rising over the eastern half of our area, but has begun to fall again in the west.

TEMPERATURE

Highest, 72° at Liebow, 68° at Gauder, 64° at Stockholm, and 63° to 65° over the southern parts of France.
 Lowest, 48° at Hiss, 51° at Haparanda, 52° at Aberdeen, 53° at Shields, 54° at York, and below 60° at all our stations excepting Seilly.
 The maxima recorded yesterday ranged between 60° and 65° in nearly all parts of our Islands, but touched 69° at Paris, 75° to 77° in the south of France, 77° at the Scaw, 79° at Berlin.

WIND

W¹ to N¹ in direction and light in force over Great Britain and France; very light and variable over Ireland;
 at Valencia it has backed to SSE.

WEATHER

Fair almost everywhere, but there is a good deal of cloud in the southwest and south, and misty rain has set in at Valencia.
 Slight falls of rain occurred locally at a few of our stations yesterday, and a larger quantity, pretty generally, in the south of France. A thunderstorm occurred at Biarritz last evening.

SEA

Moderate at the Scaw, slight or smooth in all other places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure systems in the east and northeast have almost disappeared, but a new one seems to be approaching Ireland, and is likely to cause S¹ breezes and rain on our western coast shortly.

FORECASTS

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

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | Wind backing to SW or S; fine to rainy, warmer. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | NW ² to SW ² winds, light; fine, warmer, then less fair. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | NW ² airs and Calms; fine, warmer, hazy. |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|---|
| 6 | SCOTLAND WEST | Wind backing towards S.; fair and warm at first, less fair later, probably rainy. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.		THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	29.70	67	60	N	4	bc	2	Valencia ...	30.12	64	62	NW	4	cr	4	
Sumburgh Head	29.86	58	51	NNE	2	o	4	Scilly ...	30.02	64	59	NNW	4	c	4	
Stornoway ...	29.96	55	51	N	2	o	3	Jersey ...	29.94	64	58	NNW	4	cm	3	
Aberdeen ...	29.91	56	49	NNW	2	c	4	Hurst Castle	29.89	65	64	NW	2	c	2	
Shields ...	29.90	57	52	N	4	c	5	Dungeness ...	29.86	62	56	N	1	o	1	
Ardrossan ...	29.92	62	59	N	2	c	2	North Foreland...	29.85	63	56	N	2	o	2	
Malin Head ...	29.99	58	52	NNW	2	o	2	London ...	29.88	62	56	N	1	o	*	
Mullaghmore ...								Yarmouth ...	29.85	60	53	NW	4	c	3	
Belmullet ...	30.07	61	56	NW	2	o	*	Rochefort ...	29.89	69	67	NNW	5	bc	*	
Holyhead ...	29.97	58	53	N	4	c	4									

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

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 Sunday 16th July, 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 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.
		Inch.	°				Inch.		°	°	°						°	Inch.		
SCANDINAVIA.	Haparanda ...	29.72	50	SW	2	c	29.77	+0.05	58	52	+7	W	2	b	*	c	58	37	—	
	Hernösand ...	29.77	57	S	4	b	29.79	+0.01	61	54	+4	E	2	bc	*	b	68	43	—	
	Stockholm ...	29.84	60	SSE	2	b	29.86	+0.05	68	59	+4	Z	0	b	*	b	73	48	—	
	Wisby ...	29.90	57	SSW	2	b	29.92	+0.04	63	54	+5	SW	2	b	*	b	64	48	—	
	Bodö ...	29.71	48	SSW	4	r	29.80	+0.07	49	48	+1	SW	4	o	2	r	49	43	0.16	
	Christiansund...	29.84	53	NNW	1	b	29.80	—0.03	56	51	+5	NNW	1	c	1	b	56	48	—	
	Skudesnaes ...	29.81	58	WNW	2	o	29.78	—0.02	57	51	0	NW	4	o	2	o	62	65	—	
	Christiania Fjord (Færder)	29.77	66	SW	5	b	29.75	—0.05	62	60	—6	SSE	7	o	4	b	68	59	0.71	
	Skagen (The Scaw)	29.80	65	S	1	bc	29.78	—0.03	62	59	—4	W	4	o	4	bc	75	59	—	
	Fanö ...	29.86	62	W	2	c	29.82	+0.04	58	55	—4	NW	4	c	*	c	68	57	—	
BRITISH ISLANDS.	Sumburgh Head	29.83	56	WNW	1	b	29.76	—0.10	56	55	+3	SSE	1	o	2	bc, b	59	46	0.03	
	Stornoway ...	29.88	58	SW	2	c	29.75	—0.17	56	55	—3	W	4	o	4	o, c	61	51	0.05	
	Wick ...	29.89	58	SW	1	r	29.81	—0.11	60	58	+6	S	1	bc	1	r	64	52	0.16	
	Nairn ...	29.87	60	W	1	c	29.79	—0.14	60	55	+5	WSW	1	bc	1	c	66	49	0.01	
	Aberdeen ...	29.90	56	SW	1	c	29.82	—0.13	61	56	+9	SW	1	c	1	omr, c	61	50	0.06	
	Leith ...	29.89	62	ESE	1	o	29.81	—0.14	63	57	+8	N	2	c	*	o	63	47	—	
	Shields ...	29.92	55	Z	0	o	29.83	—0.12	59	56	+6	SSW	2	bc, m	2	c, o	59	50	—	
	Spurn Head ...	29.92	55	E	2	o	29.84	—0.10	58	55	+2	NE	3	o	3	o	58	54	—	
	York ...	29.93	57	S	1	o	29.87	—0.10	57	55	+3	S	1	bc	*	o	58	49	—	
	Loughborough	29.95	62	WSW	1	o	29.88	—0.11	58	54	+2	SW	1	omr	*	o	66	52	—	
GERMANY & HOLLAND.	Ardrossan ...	29.88	60	WNW	2	cm	29.83	—0.09	55	54	0	WNW	1	o	1	cm	61	52	0.01	
	Malin Head ...	29.94	54	E	1	op	29.84	—0.13	56	55	—2	SW	2	opg	1	op	60	53	0.01	
	Mullaghmore ...	29.96	58	WNW	2	o	29.91	—0.09	60	57	+3	W	2	c	*	o	62	57	0.06	
	Donaghadee ...	29.94	57	NNE	1	c	29.86	—0.12	59	57	+2	WNW	3	c	2	c	62	55	—	
	Liverpool (Bldston)	29.94	61	WNW	1	o	29.87	—0.12	59	55	+3	W	1	r	1	o	62	54	—	
	Holyhead ...	29.95	59	SW	2	bc	29.83	—0.16	57	56	—4	NW	1	pg	2	c, bc	64	55	0.02	
	Parsonstown ...	29.93	62	Z	0	o	29.92	—0.09	59	56	+2	SW	1	c	*	o	63	55	0.11	
	Valencia ...	29.98	60	WSW	2	omg	29.99	—0.04	60	57	+2	NW	1	om	3	omg	63	56	0.03	
	Roche's Point	29.94	58	SSE	3	r	29.94	—0.10	60	57	+2	NNW	3	c	3	r, p	60	56	0.30	
	Pembroke (St. Ann's Hd.)	29.98	58	WSW	3	c	29.87	—0.15	58	56	—1	N	2	c	2	c	64	54	0.53	
FRANCE AND BELGIUM.	Scilly ...	30.00	63	SW	3	c	29.90	—0.14	61	60	0	NW	4	ap	3	bc	66	59	0.04	
	Prawle Point ...	30.00	60	WSW	3	o	29.82	—0.28	60	60	+1	WSW	4	og	3	op	65	49	0.37	
	Jersey (St. Aubin's)	30.04	64	WSW	3	bc	29.89	—0.15	62	60	+2	SW	5	omr	5	bc	66	56	0.02	
	Hurst Castle ...	29.99	62	WSW	4	c	29.81	—0.18	56	56	—2	SSE	3	c	2	q, r	67	56	1.26	
	Dungeness ...	29.96	60	WNW	3	o	29.87	—0.10	58	57	—1	WNW	2	op	1	o	63	58	—	
	North Foreland	29.95	61	SW	1	o	29.85	—0.10	63	58	+5	WSW	2	og	2	o	64	54	—	
	London ...	29.96	61	NNW	1	ogm	29.89	—0.10	56	54	0	SW	1	or	*	og, bc, o	64	55	0.03	
	Oxford ...	29.94	61	SW	1	o	29.87	—0.12	55	54	—1	W	1	cr	*	o	67	55	0.03	
	Cambridge ...	29.96	62	S	1	o	29.87	—0.12	57	55	+2	WNW	1	r	*	o	65	51	—	
	Yarmouth ...	29.95	61	N	2	cv	29.86	—0.07	60	56	+4	Z	0	bc, m	2	bc, cv	63	55	—	
PENINSULA.	Cuxhaven ...	29.90	60	WNW	2	o	29.90	+0.10	58	57	—1	WSW	2	r	*	o	66	57	0.08	
	Berlin ...	29.88	65	W	4	b	29.94	+0.15	63	57	+2	WNW	3	b	*	b	75	57	—	
	Wiesbaden ...	30.02	58	W	5	o	30.02	+0.10	54	54	+1	Z	0	o	*	*	68	57	—	
	Munich ...	30.02	58	W	5	o	30.08	+0.19	54	56	+2	W	1	c	*	o	68	52	0.04	
	The Helder ...	29.97	57	NW	3	o	29.95	+0.04	58	55	+1	S	1	c	1	c	59	55	—	
	Brussels (9 a.m.)	30.05	60	NNW	1	o	29.95	—0.02	59	55	+1	SSE	2	o	*	o	63	51	—	
	Cape Gris Nez	29.95	60	WNW	1	o	29.88	—0.02	60	57	0	WNW	2	o	2	o	66	54	—	
	Paris ...	30.00	64	SE	1	c	30.02	+0.02	57	54	0	SW	1	o	*	c	66	54	0.04	
	Brest ...	30.00	63	WSW	2	c	30.02	+0.02	60	60	0	W	3	o	3	c	72	55	—	
	Lorient ...	30.07	63	WNW	5	c	29.97	—0.09	63	61	+2	WSW	4	c	3	c	68	57	0.08	
PENINSULA.	Rochefort ...	30.06	65	NNW	4	b	30.04	+0.05	64	60	+4	NNW	4	bc	*	b	70	57	—	
	Belfort ...	30.06	65	W	3	o	30.07	+0.12	63	58	+5	W	3	r	*	o	64	47	0.08	
	Lyons ...	29.98	65	NNW	1	bc	30.07	+0.12	63	58	+5	NE	1	o	*	bc	71	58	—	
	Nice ...	29.98	62	NE	2	e	29.94	+0.19	65	56	+2	Z	0	bc	1	c	72	55	0.24	
	Perpignan ...	30.01	64	NNW	3	b	30.11	+0.12	66	58	+1	NNW	3	b	*	b	76	51	—	
	Biarritz ...	30.02	68	NW	3	b	30.10	+0.04	62	57	—1	SSW	2	b	2	b	70	57	0.43	
PENINSULA.	Corunna ...	30.00	70	N	5	b	30.15	+0.00	67	62	0	N	3	o	o	*	72	52	—	
	Lisbon ...	30.00	70	N	5	b	30.02	+0.01	76	63	+4	NNE	4	b	*	b	84	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 Sunday, 16. July 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

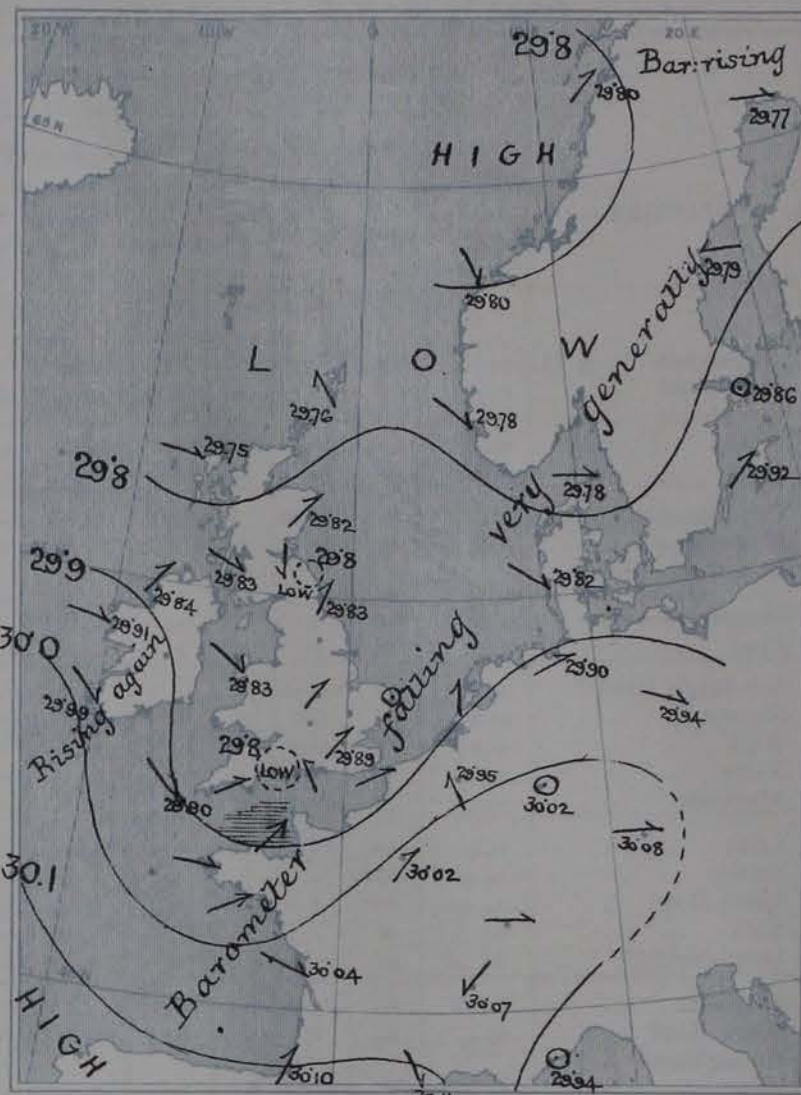
at 8.0 a.m. for the month of July.

During the 20 Years 1871–1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.890
York	29.901
Loughborough	29.928
Ardrossan	29.956
Mullaghmore	29.969
Donaghadee	29.977
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

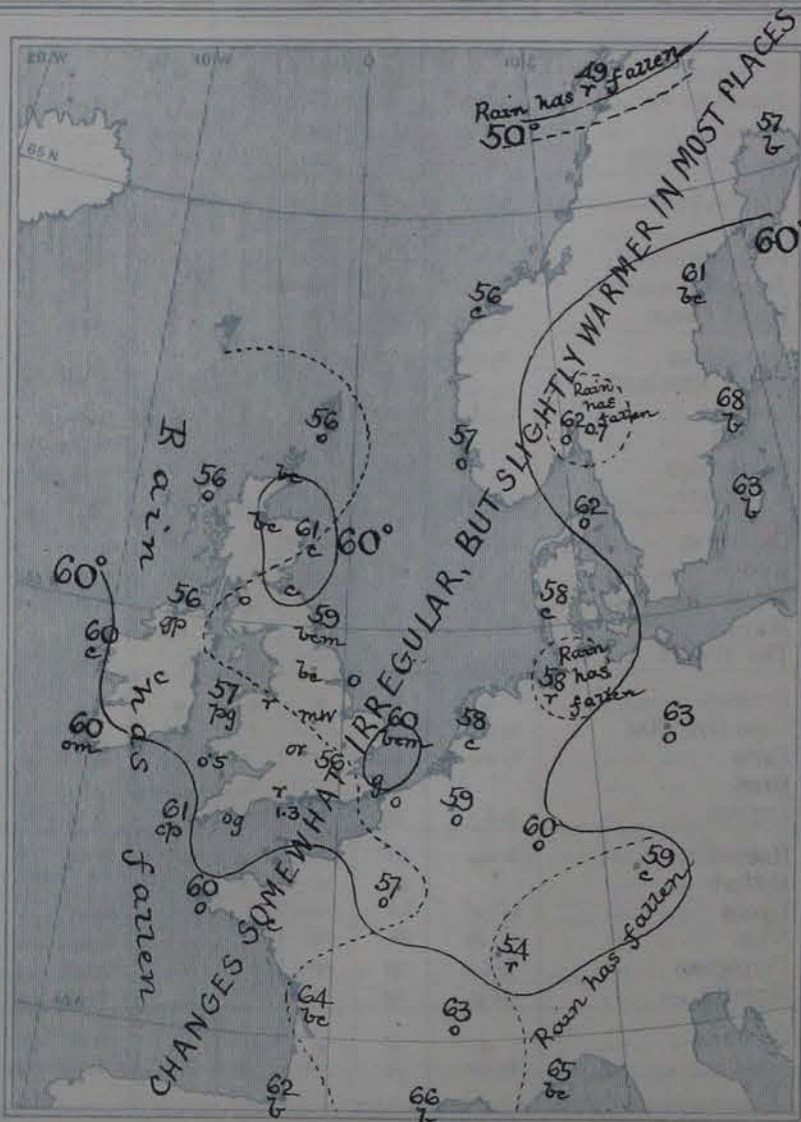
WEATHER—is shown by letters of the Beaufort Scale.

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

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

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.0	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.60
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.90
Valencia	64.9	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Scilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.10
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.0	57.8	2.85

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 inches and more to 30.0 inches in the eastern part of an anticyclone of irregular form extending in from the Atlantic over Spain, France and the Mediterranean.
 Lowest 29.8 inches and less over the north of Scotland, and the greater part of Scandinavia, as well as in a small secondary system over Denmark.

Gradients slight to moderate and very irregular.

Barometer falling over Great Britain and Norway, rising again on our southwest coasts, and in the north of Spain.

TEMPERATURE

Highest 76° at Lisbon and 60° to 66° in the west and south of France; (2) 68° at Stockholm, 67° at Trondheim and at Leith, 60° at Freetown and the Cape.

Lowest 44° at Bath, 35° at Oxford, 36° at Lumburg Head and in London.

It had not touched 70° at any of our own stations yesterday, but had somewhat exceeded that value in the west and south of France, and at Stockholm, and touched 84° at Lisbon.

WIND

Northwesterly to northerly on our western coasts, westerly over the Bay of Biscay, southwesterly in the north of France, southerly at Bordeaux and the Helles, very variable elsewhere. In force it was light to moderate almost everywhere, but blew a moderate gale from southeast in the Christiania Fjord.

WEATHER

Fine at the Swedish and at most of the Spanish stations, cloudy or overcast elsewhere, unsettled, and in many places showery. Showery weather had prevailed except in the northeast and east of England, and at Hurst Castle the fall had been large (1.26 inches).

SEA

Rather rough on the south side of Jersey, moderate at Hornumway, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 17th JULY. 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

Issued.

None

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.	P.	WEA.	SEA.		BAR.	THER. Dry.	Wet.	WIND. Direc.	P.	WEA.	SEA.
		Dry.	Wet.												
Skudesnaes ...	29.81	62	56	SW	4	o	3	Valencia ...	29.96	63	61	SSE	3	om	3
Sunburgh Head ...	29.86	57	56	WNW	1	bc	3	Scilly ...	30.04	66	63	WSW	3	bc	3
Stornoway ...	29.90	60	55	SW	3	o	4	Jersey ...	30.06	66	56	WNW	4	bc	3
Aberdeen ...	29.94	52	51	SSE	1	omr	2	Hurst Castle ...	29.99	66	61	NNW	3	cm	1
Shields ...	29.95	58	52	NE	2	c	3	Dungeness ...	29.97	63	57	WSW	4	c	3
Ardrossan ...	29.92	60	57	SSW	1	c	1	North Foreland ...	29.96	64	55	W	2	c	3
Malin Head ...	29.97	59	53	NE	1	o	0	London ...	29.98	64	55	W	2	o	*
Mullaghmore ...								Yarmouth ...	29.95	63	60	NNW	4	bc	3
Belmullet ...	29.97	62	58	W	2	o	*	Rochefort ...	29.98	68	63	NNW	4	bc	*
Holyhead ...	29.98	62	57	SW	2	c	2								

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

Weather fair over the greater part of our Islands, but dull in places (with rain at Valencia (Ireland)). Fine over Sweden and the Gulf of Finland, as well as over the greater part of southern Europe, but dull in most of the central countries, and rainy in Poland and Austria. Rain falling later in all but the most northern parts of the United Kingdom, as well as at many of the French stations, with a thunderstorm at Nice. Large quantities of rain experienced in Poland, as much as 1.8 in. at Oeser.

Temperature changed very little in our Islands, but fallen at most of the continental stations. Morning readings highest 82° at Constantinople, 80° at Nemours and La Cote aux 79° at Brindisi and Algiers; above 70° in most parts of southern and eastern Europe. Lowest 48° at Bodo, 50° at Archangel, 51° at Haparanda, Kiepie, and Christiansund, and 52° at Aberdeen; below 55° at several of our own northern stations. Daily maxima very little above 65° in any part of the United Kingdom, but thermometer exceeding 70° in France, and exceeding 80° in many parts of Spain and Italy, the highest reading of all being 93° at Brindisi.

Wind light from the NW² over the greater part of our Islands, France, and Germany; moderate to fresh from the NE² or E² in Spain. Variable in Scandinavia; NW¹ in Ireland; NE¹ in the Baltic Provinces; S¹ over the central and southern parts of Russia, and also in Italy. Subsequently backing to the SW² in many parts of the United Kingdom, and also in Ireland; no important change occurring elsewhere.

Barometer highest 30.1 in. and upwards in an anticyclone lying over the northwest of Spain and the adjacent parts of the Atlantic. Lowest 29.6 in. and less, in a large shallow area over northern Russia, and also in a well defined depression over Poland; 29.7 in. and less, in another disturbance lying over the Gulf of Genoa. Depressions over northern Russia and Poland subsequently moving eastwards, but shallow disturbances apparently advancing towards our Islands from the Atlantic; barometer falling slowly in most parts of the United Kingdom.

General Remarks on the Weather over Europe for 24 hours ended at 8 am on 15th July.

Weather cloudy over the greater part of our Islands and the Continent, with rain in the southeast of England, as well as at Limoges and Wiesbaden, and with thunder and lightning at Kiev. Fine in Sweden and Finland, and also in Algeria, and the southern parts of Spain, Italy, and Russia. Slight showers falling during day in isolated parts of the United Kingdom, and heavy falls at many of the French stations, with thunderstorms in places. Considerable quantities of rain experienced in Austria and Italy.

Temperature fallen a little generally. Morning readings highest 86° at Brindisi and Palermo, 82° at Malta, and 78° at Nemours and Algiers; above 70° at most of the Mediterranean and Adriatic stations, as well as in the south of Russia; above 65° over the greater part of Spain and Central Europe. Lowest 47° at Bodo, 48° at Archangel, 50° at Haparanda, and 51° at Uleaborg and Christiansund; below 55° in the northern parts of the United Kingdom and also in some parts of Central England. Daily maxima below 60° at several of our northern stations, and very little above 65° even in the extreme south of our Islands. Thermometer exceeding 80° in many parts of Southern Europe, and exceeding 90° in the south of Italy, the highest reading of all being 97° at Brindisi.

Wind light to fresh from the N² over our Islands, France and Spain. N¹ or NE¹ in Scandinavia; NW¹ in Denmark, W¹ in Germany, SW¹ over the Baltic Provinces and the south of Russia. S¹ or SE¹ at the Adriatic stations, with a moderate gale at Pesma; variable in Algeria. No important change occurring during day.

Barometer highest 30.1 in. and upwards in a large anticyclone lying to the southwestward of our Islands and the westward of the Spanish Peninsula. Lowest 29.3 in. and less, in a depression over Northern Russia; 29.6 in. and less, in a shallow area lying over Denmark, the Baltic and the neighbouring parts of Russia and Germany; 29.7 in. in two other systems lying respectively over the Gulf of Genoa and the northern parts of the Adriatic. Depressions all falling up gradually in course of day, and anticyclone in extreme west extending northwards.

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 MONDAY, 17TH JULY, 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 5).	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 ...	29.85	53	2	0	bc	29.91	+1.4	54	53	-4	S	2	f	#	bc	62	45	—		
	Hernösand ...	29.83	53	2	0	bc	29.82	+0.3	63	53	+2	S	0	f	#	bc	72	52	—		
	Stockholm ...	29.88	60	SE	2	b	29.86	0.0	66	56	-2	SE	2	b	#	b	72	53	0.04		
	Wisby ...	29.90	53	S	2	b	29.86	-0.6	62	56	-1	SE	2	b	#	b	69	52	—		
	Bodö ...	29.87	51	2	0	o	29.82	+0.2	53	49	+4	N	1	b	1	o	53	46	—		
	Christiansund...	29.79	54	NNE	4	o	29.74	-0.6	53	51	-3	NNE	6	T	2	o	53	50	—		
	Skudesnaes ...	29.80	55	NNW	4	o	29.75	-0.3	58	53	+1	S	0	o	1	o	61	54	—		
	Christiania Fjord (Færder)	29.77	62	SE	2	o	29.74	-0.1	63	56	+1	SE	4	C	2	o	64	61	—		
	Skagen (The Scaw)	29.78	60	SW	2	C	29.77	-0.1	53	52	-3	SW	3	C	2	C	69	54	0.12		
	Fanö ...	29.83	58	W	4	C	29.76	-0.6	53	53	-1	E	4	T	#	C	66	53	0.25		
BRITISH ISLANDS.	Sumburgh Head	29.74	58	SW	1	bc	29.63	-1.3	56	53	0	E	2	o	3	bc	62	51	0.01		
	Stornoway ...	29.66	57	SW	4	o	29.62	-1.3	54	53	-2	NW	5	o	5	o	62	50	0.20		
	Wick ...	29.73	58	S	2	bc	29.53	-2.2	53	53	-3	S	2	o	1	bc	62	53	0.04		
	Nairn ...	29.69	62	2	0	C	29.53	-2.0	53	52	-7	NNW	2	o	2	C	66	48	0.08		
	Aberdeen ...	29.74	58	S	1	bc	29.61	-2.1	53	52	-3	NW	1	C	1	bc	62	53	0.06		
	Leith ...	29.73	66	WSE	2	C	29.68	-1.3	60	53	-3	W	4	bc	#	C	68	50	0.20		
	Shields ...	29.80	58	SE	1	o	29.72	-1.1	59	53	0	WSE	5	b	2	T, o, T	61	50	0.19		
	Spurn Head ...	29.83	57	ESE	2	o	29.79	-0.5	58	53	0	NNW	5	bc	3	o	58	54	0.01		
	York ...	29.84	60	SE	1	o	29.80	-0.7	53	53	+2	NNW	3	b	#	o	64	52	0.15		
	Loughborough	29.87	64	WSE	1	C	29.89	+0.1	56	53	-2	W	2	C	#	C	68	54	—		
BRITISH ISLANDS.	Ardrossan ...	29.75	58	SW	2	o	29.74	-0.9	57	54	+2	W	4	C	2	o	62	53	0.24		
	Malin Head ...	29.74	57	NNW	5	o	29.78	-0.6	56	52	0	NW	6	o	3	o, o	64	52	0.22		
	Mullaghmore ...	29.88	61	NNW	5	bc	29.95	+0.4	60	56	0	NW	5	b	#	bc	63	53	0.02		
	Belmullet ...	29.81	57	WSE	3	o	29.84	-0.2	60	58	+1	WSE	4	C	2	o	63	57	0.03		
	Donaghadee ...	29.81	57	WSE	3	o	29.84	-0.2	60	58	+1	WSE	4	C	2	o	63	57	0.03		
	Liverpool (Bldston)	29.86	64	NNW	2	b	29.88	+0.1	59	54	0	W	5	C	4	b	64	56	0.04		
	Holyhead ...	29.87	63	SW	2	bc	29.90	+0.7	58	56	+1	W	2	bc	2	bc	66	54	0.14		
	Parsonstown ...	29.90	63	SW	1	b	29.96	+0.4	58	53	-1	SW	1	o	#	b, c	66	51	0.02		
	Valencia ...	29.93	60	WSE	3	omp	29.94	+0.5	60	57	0	NNW	2	omp	2	omp	64	56	0.18		
	Roche's Point	29.97	65	NW	3	bc	29.99	+0.5	60	57	0	NW	2	bc	3	bc, p	68	53	0.10		
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.93	61	W	3	C	29.97	+1.0	59	56	+1	NNW	3	o	3	C	64	56	0.01		
	Scilly ...	29.93	64	NW	4	C	29.95	+1.5	60	53	-1	SW	4	m	4	C	65	58	0.01		
	Prawle Point ...	29.95	63	NNW	3	b	29.94	+1.2	58	53	-2	W	4	o	3	bc	70	57	0.01		
	Jersey (St. Aubin's)	29.95	64	WSE	4	omp	29.98	+1.9	64	61	+2	W	4	omp	3	omp	67	53	0.01		
	Hurst Castle ...	29.89	66	NNW	2	bc	29.98	+1.7	63	60	+7	W	4	C	3	bc	68	56	—		
	Dungeness ...	29.81	61	N	4	C	29.91	+0.4	61	59	+3	NNW	4	omp	3	T, C	61	53	1.17		
	North Foreland	29.82	58	N	2	o	29.88	+0.3	60	56	-3	W	4	omp	2	T, o	63	54	0.30		
	London ...	29.86	64	NNW	1	C	29.93	+0.4	61	57	+5	W	3	C	#	omp, b	65	53	0.09		
	Oxford ...	29.89	60	W	1	C	29.93	+0.6	58	53	+3	W	3	o	#	T, C	66	53	0.07		
	Cambridge ...	29.86	60	NW	1	o	29.89	+0.2	62	56	+5	NNW	5	bc	#	o	67	51	0.07		
GERMANY & HOLLAND.	Yarmouth ...	29.84	59	NNW	1	T	29.82	-0.4	60	57	0	NNW	3	C	2	T	63	50	0.07		
	Cuxhaven ...	29.94	53	W	1	b	29.80	-1.0	58	57	0	S	2	o	#	b	65	57	0.04		
	Berlin ...	29.90	64	2	0	C	29.82	-1.2	65	53	+2	SE	2	o	#	C	72	57	—		
	Wiesbaden ...	29.90	64	2	0	C	29.90	-1.2	60	53	0	NW	4	C	#	#	70	53	0.03		
	Munich ...	29.92	59	E	3	b	29.90	-0.8	58	53	-1	SW	6	o	#	b	70	54	0.08		
	The Helder ...	29.86	58	N	1	T	29.86	-0.9	59	53	+1	WSE	2	b	2	T	64	57	0.20		
	Brussels (9 a.m.)	29.95	60	2	0	C	29.95	0.0	60	57	+1	SW	3	C	#	T	68	51	0.24		
	Cape Gris Nez	29.80	58	NE	5	C	29.90	+1.0	60	58	0	NNW	6	C	6	C	63	54	1.42		
	Paris ...	29.89	63	SW	3	o	29.97	+0.5	59	53	+2	SW	2	o	#	o	66	56	0.12		
	Brest ...	29.89	63	NW	2	C	29.97	+0.5	61	53	+1	NNW	3	C	2	C	66	57	—		
FRANCE AND BELGIUM.	Lorient ...	29.93	64	W	6	bc	29.16	+1.9	59	58	-4	NNW	3	bc	3	bc	66	57	—		
	Rocheport ...	29.94	67	W	5	C	29.14	+1.0	65	63	+1	W	4	o	#	o, C	68	61	—		
	Belfort ...	29.94	62	W	2	o	29.14	+1.0	65	63	+1	NW	3	o	#	o	67	53	0.67		
	Lyons ...	29.94	65	NNW	1	o	29.16	+0.9	62	57	-1	W	1	bc	#	o	74	57	0.04		
	Nice ...	29.94	70	2	0	b	29.94	0.0	67	63	+2	S	1	bc	1	b	75	53	—		
	Perpignan ...	29.96	80	NW	1	bc	29.19	+0.8	70	61	+4	NW	4	o	#	bc	82	64	—		
	Biarritz ...	29.15	69	W	4	b	29.22	+1.2	67	62	+5	NNW	3	o	2	b	75	62	0.04		
	Corunna ...	29.93	67	W	5	C	29.98	+0.6	78	66	+2	NNE	3	b	#	b	88	68	—		
	Lisbon ...	29.93	75	NNW	5	C	29.98	+0.6	78	66	+2	NNE	3	b	#	b	88	68	—		
	PENINSULA.	Lisbon ...	29.93	75	NNW	5	C	29.98	+0.6	78	66	+2	NNE	3	b	#	b	88	68	—	

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, 17th July 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:

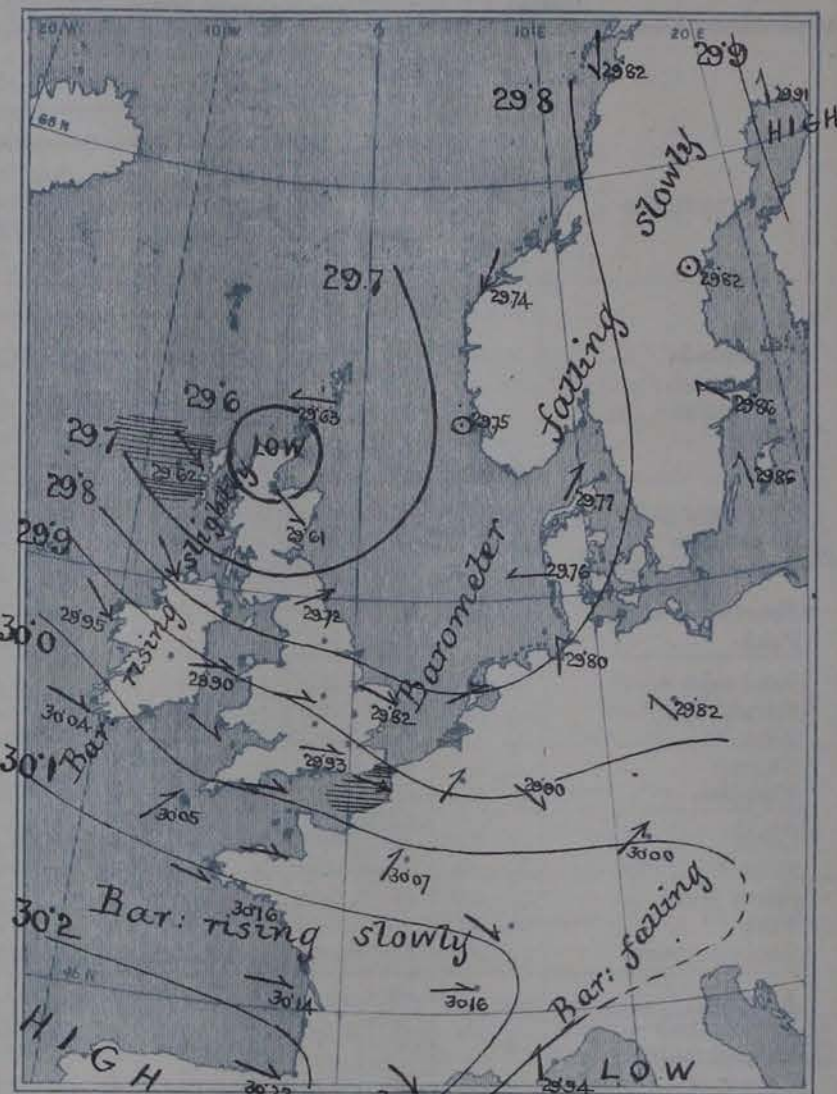
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
Loughborough	29.901
Ardrossan	29.928
Mullaghmore	29.856
Donaghadee	29.869
Holyhead	29.877
Liverpool	29.910
Parsonstown	29.906
Valencia	29.913
Roche's Point	29.935
Pembroke	29.932
Seilly	29.936
Prawle Point	29.974
Jersey	29.987
Hurst Castle	30.001
Dover	29.968
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

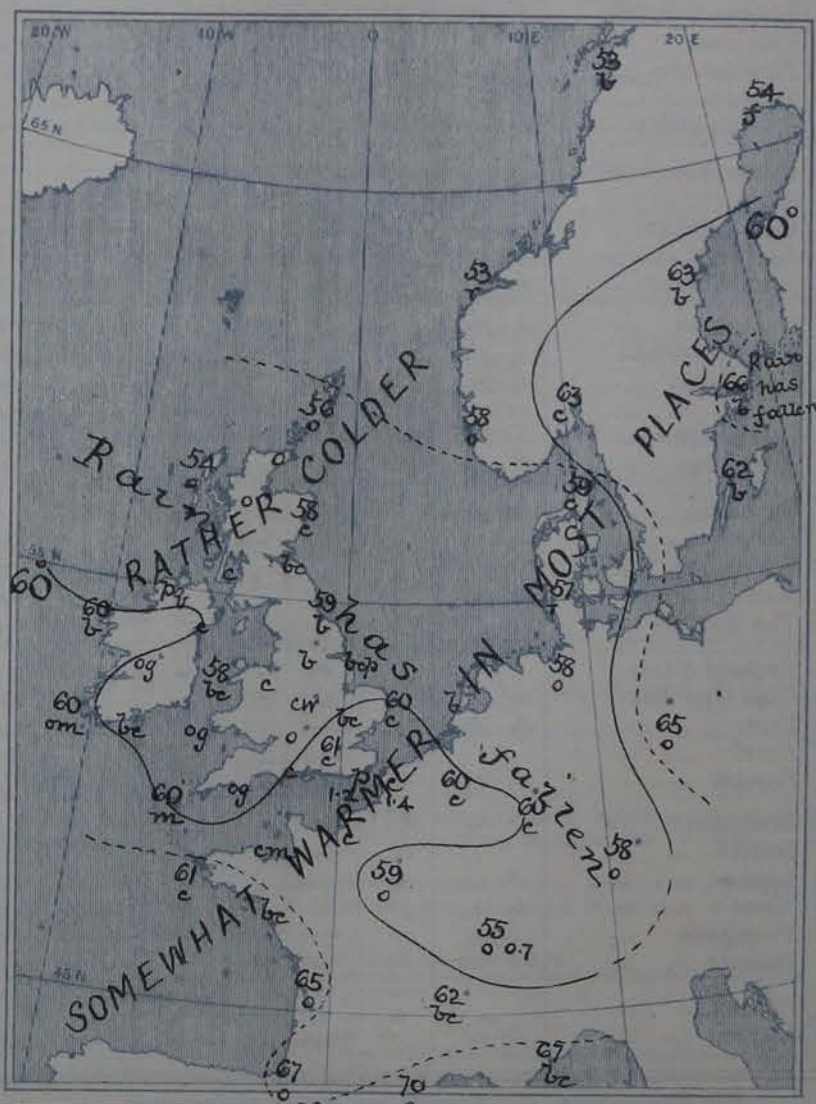
WEATHER is shown by Letters of the Beaufort Scale.

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

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

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen.....	63.9	50.6	57.5	53.9	2.78
Leith.....	66.7	54.2	58.4	54.9	2.85
Shields.....	64.1	52.2	58.3	55.0	2.66
Spurn Head.....	65.1	55.2	59.5	56.8	1.74
York.....	68.7	51.9	59.2	55.9	2.70
Loughborough.....	71.5	52.6	61.4	57.6	2.34
Ardrossan.....	63.5	52.8	57.3	54.6	2.91
Mullaghmore.....	62.9	54.0	57.2	54.4	3.72
Donaghadee.....	63.2	51.8	57.4	55.5	2.82
Holyhead.....	63.8	54.3	58.1	55.8	2.40
Liverpool.....	65.9	54.2	59.4	55.6	2.96
Parsonstown.....	66.4	51.5	58.1	54.8	2.96
Valencia.....	64.0	53.6	58.9	56.4	3.90
Roche's Point.....	66.1	53.2	58.8	55.9	3.29
Pembroke.....	62.5	54.8	58.0	56.0	2.54
Seilly.....	64.4	56.2	60.2	58.1	2.46
Prawle Point.....	64.5	53.7	59.6	57.3	2.24
Jersey.....	68.3	56.2	62.0	58.9	2.40
Hurst Castle.....	67.8	55.5	61.1	58.8	2.20
Dover.....	66.8	56.3	61.9	58.4	1.95
LONDON.....	72.4	54.0	62.0	57.8	2.38
Oxford.....	69.6	53.4	60.0	56.6	2.58
Cambridge.....	71.9	52.2	61.3	57.7	2.42
Yarmouth.....	66.6	54.9	60.9	57.8	2.85

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 more to 29.9 ins: over Spain, the Bay of Biscay, France, and the southern parts of our Islands.
 Lowest, 29.6 ins: and less, in a depression the centre of which lay over the north of Scotland.
 Gradients moderate, but irregular over our Islands, slight over Scandinavia and the eastern shore of the North Sea.
 Barometer rising in the west, falling in the east, but not rapidly.

TEMPERATURE

Highest, 78° at Lisbon, 70° at Perpignan, 66° at Stockholm, 63° at Vaer and Helsingfors.
 Lowest, 53° at Bodo, Christiansund, and Skien, and below 60° over all but the southern parts of our Islands.
 The thermometer failed to reach 70° in our Islands yesterday except at Brude Point, and only touched 75° at Helsing and Skien.

WIND

Moderate to fresh from between NW. and W. over our Islands and France as a whole, but SSW at Lillie, S at Wick, and E at Lumburg Hd. Over the southern parts of Scandinavia it is light from between SSW and SE. and at Christiansund strong from NNE.

WEATHER

Very variable — fine and bright at a few stations, cloudy or overcast elsewhere, with rain in places, and changeable generally.
 Rain has fallen very generally; over the Firth of Dover the fall has been large (12 ins: at Dungeness and 14 ins: at Cape Gris Nez). A thunderstorm occurred at Dungeness yesterday.

SEA

Rough at Lornoway and also at Cape Gris Nez, moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north, and a new one which appears to be approaching Lillie seem likely to cause a continuation of changeable, showery weather and low temperatures.

FORECASTS

For the 24 hours ending at NOON on 18th July, 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, moderate or fresh;
 showery to fair and cold.

W^{ly} to NW^{ly} winds, fresh; some showers
 today, clear and colder at night.

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

NW^{ly} winds, fresh; changeable, showery
 weather, finer later, but not settled.

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 ...	29.80	61	55	NW	6	c	2	Valencia ...							
Sumburgh Head ...								Scilly ...							
Stornoway ...	29.70	62	58	NW	5	o	4	Jersey ...	29.89	65	62	NW	5	o	5
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	29.76	56	56	E	5	7	2
Ardrossan ...								North Foreland ...	29.84	56	55	E	2	7	2
Malin Head ...	29.80	61	57	N	5	o	2	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	29.87	60	53	N	5	bc	*	Rochefort ...	30.04	67	64	NW	5	o	*
Holyhead ...	29.89	60	58	NW	2	b	2								

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

Weather fine on several parts of our northern and eastern coasts, but cloudy in all other parts of the United Kingdom, with rain at many of the English stations. Fine and bright over Sweden, Russia and the greater part of southern Europe, but cloudy or overcast in most of the central countries. Rain falling during day in nearly all parts of our islands, as well as at many of the French and German stations, amounts exceeding an inch, at Dungeness and Cape Gris Nez. Decided improvement taking place over England in evening.

Temperature risen in most parts of the United Kingdom, as well as in Ireland, Scandinavia and Spain, changed irregularly elsewhere. Morning readings highest 86° at Constantinople, 82° at Khiridin, and 78° at Algiers and San Fernando, above 70° at several of the Mediterranean and Adriatic stations and also on the coast of Spain. Lowest (1) 43° at Rostock, 51° at Archangel, 54° at Moscow, and 56° at St Petersburg; (2) 55° at Ardrossan and Oxford. Rising during day to 65° or a little above it in most parts of the United Kingdom, and reaching 70° at Rhoda P. Exceeding 75° over the southern parts of France, and rising to 85° at Lisbon.

Wind light from between W. and S. in Scotland, and from NW. or N. on our western coasts, variable over the eastern and central parts of England; SW. or W. over the Channel and Bay of Biscay. Variable over Scandinavia and the northern and central parts of Russia. SW. in the south of Russia, W. in Germany and Austria. Variable in Italy, E. or NE. in Spain. Subsequently backing to the West in Ireland, no important change occurring elsewhere.

Barometer highest 30.1 ins. and upwards, in an anticyclone extending from the Atlantic across the northern parts of the Spanish Peninsula. Lowest, 29.7 ins. and less, in a small depression lying near Kiel, 29.6 ins. and less, in a large area lying over northern Russia, Scandinavia, and the extreme north of our islands, and also in a very small depression over Dorsetshire. Last named disturbance subsequently moving eastwards to Belgium, but large system beginning to approach our extreme northern coasts from the westward.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLES AND NEIGHBOURHOOD.

FROM THE 9TH TO 15TH JULY, 1893.

During the greater part of this week the weather over the United Kingdom was very showery - with SE. to SW. winds. These conditions were caused by two depressions - one of which lay over our NW. districts on Sunday morning, but passed away to the Atlantic again on the following day, while the second reached the mouth of the Bristol Channel early on Tuesday, and moving slowly to the NE. and E. had almost filled up over the Sound on Saturday morning. As the showers experienced were of the "thunderstorm" character the amounts of rain recorded varied greatly in different localities, and in some cases were very large. Thus, on Wednesday the amount which fell at Brixton (London) was only 0.13 in.; at the Meteorological Office it was 0.20 in., while at Greenwich it was 0.95 in. On Thursday and Friday, however, there was, notwithstanding some local falls, a very general decrease in the rainfall, and the wind shifted to the NW. with dull, cold weather. In London the maximum temperature recorded in the shade on Friday was only 63°, the minimum on Saturday was 47°, and the grass min.: 37°. On Saturday the sky showed some tendency to clear over England, but there was a new low pressure near the W. coast of Ireland, which was causing rain again at some of our Western Stations.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 18TH JULY. 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.	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.	°	°	°	°				°	°	ins.						
SCANDINAVIA.	Haparanda ...	29.87	56	2	0	b	29.88	-0.3	65	60	+11	N	2	b	#	65	48	—		
	Hernösand ...	29.84	57	2	0	b	29.80	-0.2	61	57	-2	NE	2	bc	#	66	53	—		
	Stockholm ...	29.79	59	SE	2	b	29.69	-1.7	62	57	-4	NE	4	c	#	68	54	—		
	Wisby ...	29.76	60	N	4	b	29.68	-2.3	65	56	+3	ESE	4	b	#	68	53	—		
	Bodö ...	29.80	58	NE	1	b	29.77	-0.5	58	51	0	NE	2	b	1	58	44	—		
	Christiansund...	29.76	55	NNW	2	f	29.77	+0.3	56	53	+3	NNW	1	o	1	57	52	—		
	Skudesnaes ...	29.70	58	NNW	4	c	29.69	-0.6	60	56	+2	NNW	4	c	0	60	54	—		
	Christiania Fjord (Færd)																			
	Skagen (The Scaw)	29.84	61	E	2	o	29.86	-2.1	64	59	+5	E	1	o	0	60	53	0.09		
	Fanö ...	29.60	56	2	0	c	29.58	-1.8	54	52	-3	NNW	2	7	#	54	54	0.78		
BRITISH ISLANDS.	Sumburgh Head	29.72	56	ESE	3	b	29.84	+2.1	58	54	-1	N	1	b	2	61	47	—		
	Stornoway ...	29.75	58	NW	5	o	29.86	+2.4	58	53	+1	2	0	o	3	59	47	0.04		
	Wick ...	29.76	57	NE	2	bc	29.80	+3.1	58	56	+1	2	1	b	1	60	54	0.01		
	Nairn ...	29.72	54	NNW	1	o	29.82	+2.8	58	56	+5	2	0	b	0	66	44	0.84		
	Aberdeen ... †	29.68	57	NNW	2	c	29.89	+2.8	59	54	+1	NW	2	bc	1	61	49	0.11		
	Leith ...	29.72	58	W	4	c	29.91	+2.3	58	54	-2	NNW	1	cm	#	65	52	—		
	Shields ...	29.72	61	W	5	c	29.91	+1.9	58	53	-1	W	4	c	2	64	51	0.03		
	Spurn Head ...	29.75	58	W	6	og	29.91	+1.2	57	54	-1	NNW	5	cpg	4	64	52	0.11		
	York ...	29.80	58	W	4	bc	29.95	+1.5	58	54	-1	NW	3	bc	#	65	52	0.04		
	Loughborough	29.86	63	W	4	bc	30.00	+1.1	57	53	+1	W	2	c	#	66	50	0.17		
GERMANY & HOLLAND.	Ardrossan ...	29.82	60	W	4	b	29.91	+1.7	58	55	+1	NNW	2	c	2	61	52	—		
	Malin Head ...	29.90	59	NW	5	bp	29.91	+1.3	58	50	-4	SW	2	op	2	59	52	0.02		
	Mullaghmore ...																			
	Belmullet ...	30.06	60	NW	3	c	29.88	-1.0	61	60	+1	SW	2	7	#	62	52	0.40		
	Donaghadee ...	29.91	60	NNW	6	b	29.96	+1.2	56	53	-4	W	4	0	2	58	54	0.21		
	Liverpool (Bldston)	29.90	60	W	5	bc	30.01	+1.3	58	56	-1	W	4	bc	4	63	53	—		
	Holyhead ...	29.93	59	NNW	2	b	30.03	+1.3	58	53	0	W	2	c	2	66	53	0.03		
	Parsonstown ...	30.04	65	NE	1	bc	29.97	+0.1	56	53	-2	SW	1	op	#	65	48	0.05		
	Valencia ...	30.14	61	NNW	2	om	30.03	-0.1	62	61	+2	SW	4	rmg	5	64	57	0.08		
	Roche's Point	30.07	64	NW	4	bc	30.04	+0.5	62	61	+2	NNW	4	rm	4	67	55	0.01		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.99	61	W	4	bc	30.09	+1.2	59	56	0	W	2	c	2	63	53	—		
	Scilly ...	30.05	63	NNW	4	c	30.14	+0.9	62	59	+2	NNW	2	c	4	64	58	—		
	Prawle Point ...	30.03	63	NNW	3	bc	30.13	+0.9	59	56	+1	W	2	bc	1	66	53	0.09		
	Jersey (St. Aubin's)	30.04	64	W	5	o	30.14	+0.6	64	60	0	NNW	4	bc	3	67	53	0.01		
	Hurst Castle ...	29.95	66	W	4	b	30.08	+1.0	62	57	-1	NNW	2	b	2	66	55	0.09		
	Dungeness ...	29.87	61	W	5	c	29.99	+0.8	64	56	+3	NW	5	bc	4	70	51	—		
	North Foreland	29.82	65	W	4	bc	29.95	+0.7	60	54	0	NNW	5	bcg	3	68	53	0.11		
	London ...	29.83	66	NNW	3	bc	30.02	+0.9	60	53	-1	W	2	b	#	69	51	0.01		
	Oxford ...	29.84	56	NNW	3	bc	30.04	+1.1	58	52	0	NNW	3	bc	#	68	49	—		
	Cambridge ...	29.86	64	NNW	5	bc	29.98	+0.9	60	55	-2	W	6	b	#	70	51	—		
PENINSULA.	Yarmouth ...	29.78	63	NW	3	c	29.88	+0.6	57	53	-3	NW	4	c	4	67	50	0.04		
	Cuxhaven ...	29.77	59	W	3	bc	29.68	-1.2	60	59	+2	W	4	7	#	64	58	0.04		
	Berlin ...	29.77	62	SW	2	bc	29.67	-1.5	58	53	-10	W	3	o	#	70	53	0.08		
	Wiesbaden ...	*	*	*	*	*	29.88	-0.2	57	54	-3	W	2	c	#	70	57	0.07		
	Munich ...	30.07	59	W	5	c	29.95	-0.5	51	50	-7	NW	6	o	#	64	50	0.28		
	The Helder ...	29.80	59	W	2	t	29.75	-0.7	59	58	0	NW	6	c	4	63	53	0.28		
	Brussels (9 a.m.)	*	*	*	*	*	29.93	-0.2	57	53	-3	NNW	4	o	#	68	51	0.08		
	Cape Gris Nez	29.86	58	W	6	bc	29.94	+0.4	57	54	-3	NW	6	b	6	61	54	0.04		
	Paris ...	30.00	65	SW	2	o	30.10	+0.3	62	58	+3	NNW	2	bc	#	72	58	0.08		
	Brest ...	30.14	64	NNW	3	m	*	*	60	59	-1	NW	2	c	3	64	58	—		
PENINSULA.	Lorient ...	30.14	64	W	6	c	30.20	+0.4	61	59	+2	NNW	2	c	2	68	59	—		
	Rochefort ...	30.17	68	NW	4	bc	30.17	+0.3	65	63	0	NNW	4	c	#	70	59	0.08		
	Belfort ...	30.12	64	SW	2	c	30.12	-0.4	63	58	+1	NW	4	o	#	74	60	—		
	Lyons ...	30.12	68	2	0	o	30.12	-0.4	63	58	+1	NW	4	o	#	74	60	—		
	Nice ...	29.91	71	SE	2	bc	29.91	-0.3	67	63	0	NE	1	b	1	77	61	—		
	Perpignan ...	30.15	71	NW	4	b	30.17	-0.2	70	61	0	NW	4	b	#	81	64	—		
	Biarritz ...	30.23	71	NW	2	b	30.17	-0.5	69	63	+2	2	0	b	2	72	64	—		
	Corunna ...	30.06	79	NNW	5	*	30.07	-0.1	73	63	-5	SE	2	b	*	73	64	—		
	Lisbon ...	30.06	79	NNW	5	*	30.07	-0.1	73	63	-5	SE	2	b	*	73	64	—		

For Explanation of Columns, see bottom of last page.

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

* Observed taken at 9.30 a.m.

WEATHER CHARTS

for 8 a.m. on Tuesday, 18th July 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:

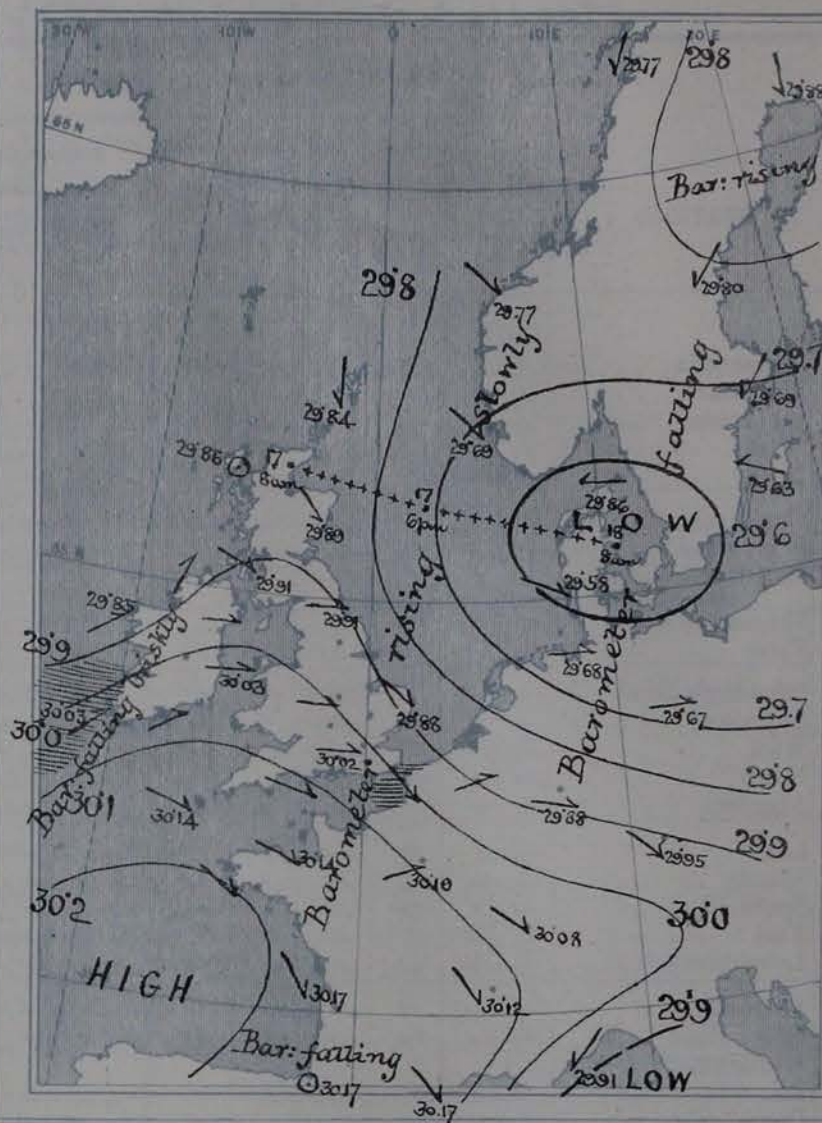
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

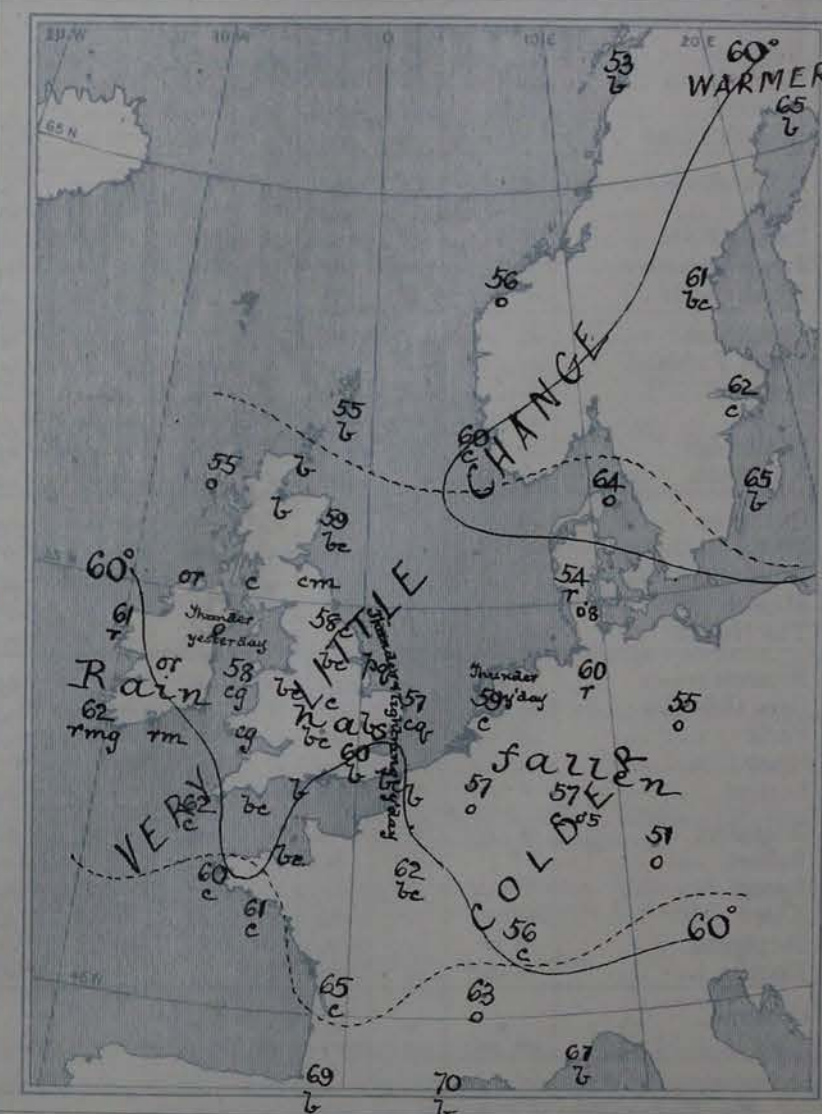
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.25
Stornoway	60.2	48.9	55.5	53.0	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.00
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.0	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.00
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Scilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.0	52.2	61.3	57.7	2.42
Yarmouth	66.0	54.9	60.9	57.8	2.85

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 lying over the Bay of Biscay.
 Lowest, 29.6 ins. and less, in a depression lying over Denmark and the south of Sweden.
 Gradients slight, but increasing in the west. Barometer rising in most parts of Great Britain, but falling elsewhere - briskly in the west of Ireland.

TEMPERATURE

Highest, (1) 73° at Liebo, 70° at Perpignan, 69° at Llanthony, 67° at Nice, and 65° at Rochefort; (2) 65° at Haparanda and Naby, and 64° at Söga.
 Lowest, (1) 51° at Munich and 53° at Berlin; (2) 52° at Malin Head and 55° at Lumburg Head; (3) 53° at Bodo and 54° at Tana.
 The highest maxima registered over our Islands yesterday were 70° at Loughrea, and Cambridge and 69° in London.

WIND

Variable in Scotland; light to fresh from the SW^{ly} in Ireland, and from the W^{ly} or NW^{ly} over England, France, Germany, the Netherlands and the eastern shores of the North Sea.
 Light or moderate from the NE^{ly} in Sweden and the north of Norway.

WEATHER

Fine in most parts of Great Britain and France, as well as in Sweden.
 Raining in Ireland; dull in Germany and Denmark, with rain at Tana and Abo.
 Showers fell yesterday in many parts of our Islands and France, with thunder and lightning in some few places.

SEA

Moderate to smooth generally, but rough at Cape Fin Key, and rather rough at Valencia (Ireland).

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A well-marked depression is approaching our extreme northwest coasts, and seems likely to move in an easterly direction. Unsettled weather is probable in nearly all districts, with freshening winds on our western and southern coasts.

FORECASTS

For the 24 hours ending at NOON on 19th July, 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

SE^{ly} to NE^{ly} winds, moderate; fine to unsettled and some rain.
 W^{ly} to S^{ly} winds, freshening; fair to dull and rainy.
 W^{ly} to SW^{ly} winds, freshening considerably; fair to dull and rainy.

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

SW^{ly} to NW^{ly} winds, freshening considerably; dull and rainy at first, some improvement later.

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 ...	29.72	60	57	W/NW	1	bc	1	Valencia ...	30.13	61	58	W/NW	4	cm	4
Sumburgh Head ...	29.69	58	57	ENE	2	c	2	Scilly ...	30.05	62	61	W/NW	4	cfm	4
Stornoway ...	29.70	58	54	NW	4	c	4	Jersey ...	30.05	63	61	SW	5	o	4
Aberdeen ...	29.62	57	54	NW	3	cf	2	Hurst Castle ...	29.97	58	57	W/NW	2	ond	3
Shields ...	29.71	60	55	W	5	cf	2	Dungeness ...	29.90	62	60	W	4	c	2
Ardrossan ...	29.77	61	57	W	4	bc	3	North Foreland ...	29.85	65	57	W	4	bc	3
Malin Head ...	29.85	58	53	NW	6	bc	4	London ...	29.90	60	56	W/NW	2	c	2
Mullaghmore ...								Yarmouth ...	29.81	64	58	NW	4	cf	3
Belmullet ...	30.02	62	56	NW	4	bc	2	Rocheport ...	30.16	71	67	NW	4	c	2
Holyhead ...	29.91	63	58	W	3	c	2								

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

Weather in morning fine and bright over the southern part of France and the Mediterranean; also at many stations in Lapland, Finland and Sweden and the northeast of England; very variable elsewhere - cloudy or overcast in most places, with fog at Haparanda, rain at Christiansund and Tana, and showers in several parts of Ireland and England. Some showers later in many parts of our Islands and France, and considerable

falls of rain over Denmark and Germany; thunder and lightning in the northeast, east, and southeast of England and at the Helder.

Temperature fallen decidedly in Scotland, not changed much elsewhere. Morning readings highest 86° at Bendini, 81° at For, and above 70° at many stations in southwestern, southern, and southeastern Europe, 60° to 66° over Central Europe and on the Swedish coast. Lowest, 53° at Bodo and Narvik, 54° at Stornoway, Kuopio, and Haparanda, and below 60° over the greater part of our Islands. Rising later to between 65° and 70° at many of our own stations, to between 70° and 73° over Germany to 77° at Riga, 81° in the southwest of France, and to 83° at Lisbon. Night cool over England.

Wind (1) Light and variable from E. and S. over Finland and the Gulf of Finland and Bothnia, and from between W. and S. over the greater part of southwestern and southern Europe; (2) Moderate to fresh from NW on our western and northern coasts, W over England, NE in the west of Norway. Weaker cyclonic circulations over the Mediterranean and south of France. Falling light and variable in Norway later.

Barometer highest 30.2 ins. to 30.0 ins. over Spain, the Bay of Biscay, France, and the extreme south and southwest of our Islands; (2) 29.9 ins. to 30.0 ins. over Finland and the north of Russia. Lowest 29.6 ins. and less, in a depression over Scotland, and in another over the south of Russia, and below 30.0 ins. in a shallow secondary over France and the Gulf of Genoa. Scotch depression moving southwards 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 WEDNESDAY 19TH JULY. 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 ...	29.69	64	2	0	bc	29.62	-2.6	63	59	-2	N/E	2	0	*	bc	77	45	—		
	Hernösand ...	29.71	60	2	0	c	29.59	-2.1	67	58	+6	E	4	bc	*	c	72	44	—		
	Stockholm ...	29.65	64	N/E	2	b	29.51	-0.8	66	58	+4	N/NW	2	b	*	b	72	52	—		
	Wisby ...	29.63	61	S	2	b	29.64	+0.1	63	59	-2	N	2	b	*	b	73	44	—		
	Bodö ...	29.70	53	2	1	b	29.65	-1.2	52	50	-1	SW	1	b	1	b	59	44	—		
	Christiansund...	29.75	56	N/NW	2	o	29.65	-1.2	56	53	0	NW	2	f	1	o	59	52	—		
	Skudesnaes ...	29.70	58	N/NW	7	bc	29.63	-0.6	58	52	-2	N	1	c	1	c, bc	61	50	—		
	Christiania Fjord (Fjorder)	29.67	63	N	4	c	29.64		64	61		2	0	b	1	c	64	61	—		
	Skagen (The Seaw)	29.62	63	N/NW	1	bc	29.64	+0.2	64	62	0	SW	1	b	0	bc	72	58	0.02		
	Fanö ...	29.66	59	NW	4	b	29.76	+1.0	59	55	+5	N/NW	4	c	*	7.5 b	64	52	0.98		
BRITISH ISLANDS.	Sumburgh Head	29.77	56	2	0	b	29.49	-1.3	53	52	-2	ESE	4	T	4	bc, b	60	51	0.01		
	Stornoway ...	29.65	56	SE	2	T	29.26	-1.6	58	54	+3	SW	4	T	4	o, T	59	51	0.50		
	Wick ...	29.73	55	S	5	c	29.35	-1.55	56	55	-2	SW	2	0	4	c, T	62	52	0.40		
	Nairn ...	29.66	60	SW	1	o	29.22	-1.55	58	57	0	2	0	c	1	o	63	51	0.52		
	Aberdeen ...	29.78	55	SE	2	c	29.37	-1.52	59	56	0	SW	2	bc	2	bc, c, T	62	52	0.49		
	Leith ...	29.77	56	SW	1	T	29.41	-1.5	64	59	+6	NW	2	c	*	T	64	51	0.16		
	Shields ...	29.83	58	NW	2	T	29.50	-1.1	62	59	+4	NW	2	o	2	o, T	62	52	0.24		
	Spurn Head ...	29.88	62	N	2	o	29.60	-1.3	62	60	+5	SW	4	o, T	4	o, T	63	56	0.06		
	York ...	29.90	58	N	1	T	29.59	-1.6	61	60	+3	SW	1	T	*	T	62	56	0.25		
	Loughborough	29.92	62	SW	2	o	29.65	-1.55	63	61	+6	SW	4	o, T	*	o	69	59	0.06		
GERMANY & HOLLAND.	Ardrossan ...	29.69	54	E	2	Tm	29.42	-1.49	55	59	-1	SW	2	o	3	T, Tm	59	51	0.30		
	Malin Head ...	29.61	60	SW	2	o, T	29.40	-1.5	59	57	+7	SW	4	o, T	3	o, o, T	60	51	0.71		
	Mullaghmore ...	29.68	61	SW	3	o	29.44	-1.4	60	58	-1	SW	2	o	*	o, T	62	59	0.65		
	Belmullet ...	29.70	60	SW	2	d	29.49	-1.47	60	60	+4	NW	2	o	1	d	61	54	0.49		
	Liverpool (Bidston)	29.83	62	SE	2	T	29.53	-1.42	61	59	+3	NW	2	o	3	T	63	53	0.11		
	Holyhead ...	29.81	59	SW	5	Tm, T	29.60	-1.43	61	60	+3	SW	5	bc, T	4	Tm, Tm	61	53	0.35		
	Parsonstown ...	29.78	62	NW	1	T	29.56	-1.41	59	58	+3	SW	1	o, T	*	T, o	65	54	0.29		
	Valencia ...	29.85	62	SW	5	Tm	29.63	-1.40	62	60	0	SW	5	om	5	Tm, Tm	63	59	0.14		
	Roche's Point	29.89	62	NW	4	Tm	29.67	-1.37	62	59	0	N	4	c	4	Tm	65	59	0.10		
	Pembroke (St. Ann's Hd.)	29.93	61	SW	5	T	29.70	-1.23	60	59	+1	NW	4	o, T	5	T	61	58	0.27		
FRANCE AND BELGIUM.	Scilly ...	29.95	64	SW	4	c	29.73	-1.25	62	61	0	SW	4	m	4	c	67	59	0.06		
	Prawle Point ...	29.94	59	SW	2	o	29.81	-1.22	60	60	+1	SW	5	fu, T	4	o, m	65	54	0.01		
	Jersey (St. Aubin's)	29.99	65	N	2	bc	29.92	-1.22	62	60	-2	SW	5	om, T	4	bc	69	59	—		
	Hurst Castle ...	29.92	62	N	4	c	29.80	-1.2	61	61	-1	SW	7	om, d	3	c	60	60	0.01		
	Dungeness ...	29.97	64	N	5	bc	29.80	-1.9	61	59	-2	N	6	o	5	bc	71	59	—		
	North Foreland	29.95	65	NW	1	b	29.77	-1.8	62	58	+2	SW	5	o, T	4	b	68	58	—		
	London ...	29.90	66	N	2	o	29.77	-1.25	61	60	+1	SW	2	o	*	bc, o, T	73	59	0.05		
	Oxford ...	29.92	60	SW	3	o	29.71	-1.3	62	60	+4	SW	4	T	*	bc, o, T	69	58	0.05		
	Cambridge ...	29.95	64	NW	2	o	29.71	-1.3	61	60	+1	SW	5	T	*	o	72	58	0.10		
	Yarmouth ...	29.93	62	SE	2	c	29.70	-1.8	61	60	+4	SW	2	o, T	3	bc, c	64	56	0.06		
PENINSULA.	Cuxhaven ...	29.75	58	NW	6	T	29.81	+1.3	59	58	-1	N	2	b	*	T	63	59	0.24		
	Berlin ...	29.71	59	NW	4	o	29.77	+1.0	59	56	+4	NW	4	c	*	o	68	53	0.04		
	Wiesbaden ...	*	*	*	*	*	29.83	+1.1	59	55	+2	SW	2	o	*	*	64	52	—		
	Munich ...	29.96	59	N	6	c	29.87	+1.2	58	54	+7	N	5	bc	*	c	63	51	0.04		
	The Helder ...	29.94	59	NW	4	c	29.78	-1.0	61	60	+2	SW	5	T	3	c	61	59	0.08		
	Brussels (8 a.m.)	*	*	*	*	*	29.91	-1.02	58	56	+1	SW	4	o	*	c	62	53	0.04		
	Cape Gris Nez	29.98	58	NW	5	b	29.83	-1.1	59	58	+2	N	6	o	6	b	63	53	—		
	Paris ...	29.92	67	NW	2	b	29.83	-1.1	60	60	0	SW	2	m	3	m	71	49	—		
	Brest ...	29.92	64	NW	1	m	29.83	-1.1	60	60	0	SW	2	m	3	m	72	59	—		
	Lorient ...	29.93	65	N	5	b	29.88	-1.22	61	59	0	NW	4	o	2	b	68	59	—		
PENINSULA.	Rocheport ...	29.92	64	NW	4	b	29.81	-1.16	65	63	0	SE	2	o	*	b	73	61	—		
	Belfort ...	29.92	64	NW	2	c	29.81	-1.16	65	63	+3	NW	2	b	*	c	70	56	—		
	Lyons ...	29.90	64	N	2	b	29.86	-1.06	63	58	0	N	1	b	*	b	72	53	—		
	Nice ...	29.82	69	ESE	2	b	29.91	-1.0	69	65	+2	E	1	b	1	b	77	63	—		
	Perpignan ...	29.88	71	NW	4	b	29.83	-1.04	70	68	0	2	0	b	*	b	72	59	—		
	Biarritz ...	29.93	72	N	2	b	29.99	-1.8	64	63	-5	ESE	2	m	2	b	77	59	—		
	Corunna ...	29.98	67	NW	2	b	29.81	-1.06	68	63	-5	NW	2	o	*	b	80	64	—		
	Lisbon ...	29.98	67	NW	2	b	29.81	-1.06	68	63	-5	NW	2	o	*	b	80	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, 19th July, 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:

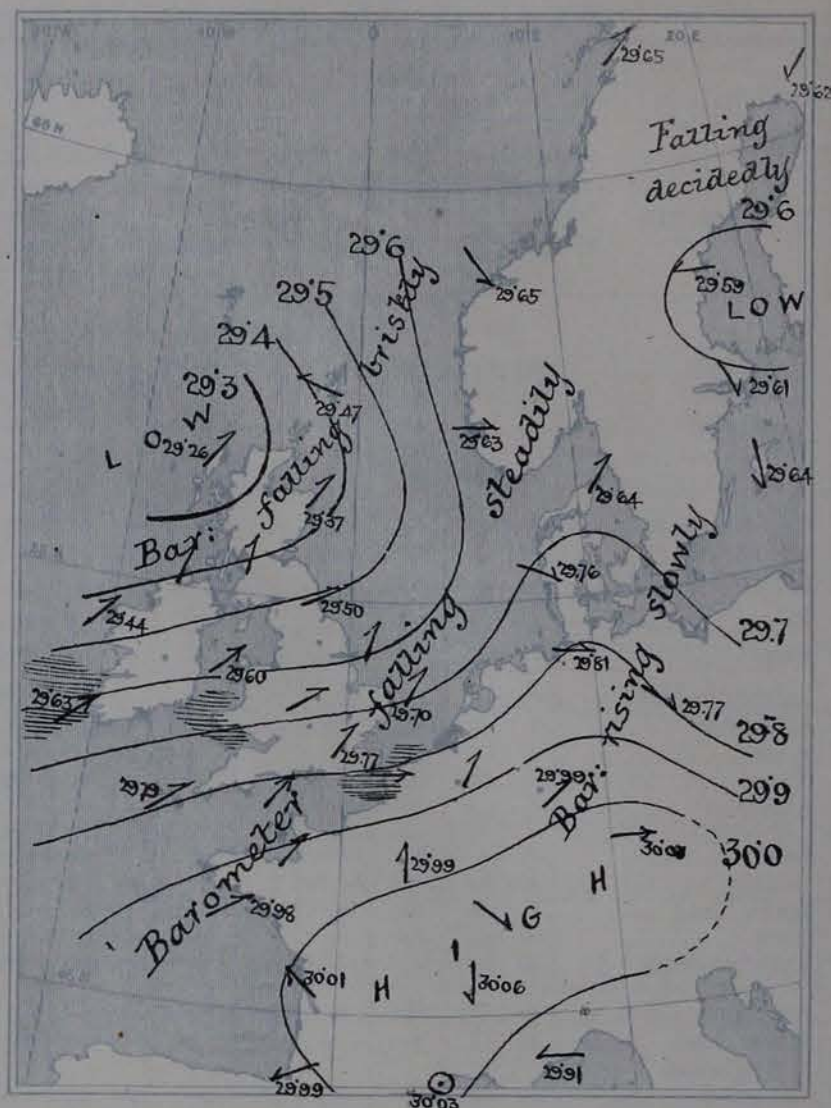
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Penbreke	29.936
Sally	29.974
Prawle Point	29.987
Jersey	30.004
Hurst Castle	29.963
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins. and upwards, in an anticyclone lying over the greater part of France and the southern part of Germany.
 Lowest, 29.3 ins. and less, in a depression lying off the northwest of Scotland; 29.6 ins. and less in another system over the Gulf of Bothnia.
 Gradients moderate over England, Ireland, the Netherlands, and the north of France, but slight elsewhere.
 Barometer falling at all but the Danish and German stations, — most in the north of our Islands.

TEMPERATURE

Highest, (1) 70° at Perpignan, 69° at Nice, and 68° at Lisbon; (2) 67° at Helsingfors, 66° at Stockholm, and 64° at Laredo and Sölga.
 Lowest, 52° at Bodo, 53° at Lumburg Ht., 56° at Wick, 57° at Andover, and 58° at Skutumpah, Tromsø, and Kiruna.
 The highest maxima registered over our Islands yesterday were 73° in London, 72° at Cambridge, and 71° at Dungeness.

WIND

SW^{ly} over our Islands, the Netherlands, and the north of France, light in force in the north and east, but fresh at several of our western stations and strong in the eastern part of the Channel.
 W^{ly} or NW^{ly} over Germany and the eastern shores of the North Sea; NE^{ly} or N^{ly} in Sweden.
 Light from the E^{ly} in the west and south of France.

WEATHER

Cloudy or overcast in most parts of the United Kingdom and also in the Netherlands and the north of France, with rain in many places.
 Fine in nearly all other parts of Western Europe.
 Since yesterday morning rain has fallen in nearly all parts of our Islands, the largest amount being 0.7 in. at Malin Ht. and Balmuccie.
 Solar halos were seen yesterday at Oxford and Maresfield.

SEA

Moderate or slight generally, but rough at Cape Fin Key, and rather rough at Valencia (Ireland), Pembroke and Dungeness.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the northwest of Scotland is spreading eastwards, and as the barometer is still falling steadily at Valencia it is probable that other disturbances are approaching from the Atlantic. Unsettled weather is therefore likely to continue with increasing winds on our western and southern coasts.

FORECASTS

For the 24 hours ending at NOON on 20th July, 1893.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	} SW ^{ly} to W ^{ly} or NW ^{ly} winds; unsettled, some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	} SW ^{ly} and W ^{ly} winds, freshening; squally, showery.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	SW ^{ly} and W ^{ly} winds, strong; a gale on coast; squally, showery.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	} Same as Nos 0+1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	} SW ^{ly} to W ^{ly} winds, increasing in force; squally, showery.
9	IRELAND NORTH	
10	IRELAND SOUTH	
WARNINGS		At 7.20 pm yesterday to districts 5 and 7 to 10 "Hoist South Cone."

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.70	61	58	WNW	7	c	2	Valencia ...	29.84	62	62	SW	5	mp	5
Sumburgh Head ...	29.82	58	57	WNW	7	c	2	Scilly ...	30.10	66	63	SW	4	c	4
Stornoway ...	29.77	58	55	SW	8	o	2	Jersey ...	30.15	65	60	WNW	3	bc	3
Aberdeen ...	29.86	60	54	SE	8	bc	2	Hurst Castle ...	30.01	63	60	WNW	5	c	3
Shields ...	29.83	58	58	E	2	o	2	Dungeness ...	30.01	66	60	W	6	bc	4
Ardrossan ...	29.84	58	54	E	2	7	1	North Foreland ...	29.88	66	56	WNW	2	c	3
Malin Head ...	29.70	58	53	S	4	07	2	London ...	30.00	70	56	W	2	c	*
Mullaghmore ...								Yarmouth ...	29.84	64	59	NNE	4	bc	4
Belmullet ...	29.75	61	60	SW	5	07	*	Rocheport ...	30.15	71	67	WNW	4	c	*
Holyhead ...	29.84	58	54	WNW	5	7mg	4								

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

Weather in morning fine and bright, (1) over the Mediterranean and the Iberian Peninsula (2) over the north of France, the southern and midland parts of England, and the east and north of Scotland, and (3) over the north of Russia, Finland, and the greater part of Sweden, cloudy or overcast elsewhere, with rain at several stations in the west of our Islands and over Central Europe. Rain falling later in nearly all parts of our Islands and countries lying to the eastward of the North Sea—amounts considerable at several of our northwestern and northern stations and at Antwerp.

Temperature risen considerably over Finland, changed little elsewhere. Morning readings highest 80° at Sofia, 70° to 77° on the Spanish coast and shores of the Mediterranean, and exceeding 65° on many parts of the Baltic coast and over Finland. Lowest 52° at Malin Head, 53° at Bodö and at Münster, and 55° at Sumburgh Head. Rising later to 60° and more over Scotland, Ireland, Germany, and the north of France, to 71° at Dungeness, 73° at Lambeth, 77° at Aix and Biarritz, and 88° at Lisbon.

Wind (1) E, moderate over Northern Europe, but W and NW over the central and southern countries; (2) SW in Ireland, S and Calm in Scotland, W to NW, fresh, over England. Backing later to SW over all our western districts and freshening, and becoming SE, moderate in the north of Scotland, but strong from NW at Skudesnaes.

Barometer highest 30.2 ins: and more over the Bay of Biscay, and exceeding 30.0 ins: all over Spain, France, the Channel, and southwestern parts of our Islands. Lowest (1) 29.6 ins: and less, in a depression over Denmark, the Kattegat and Sound, and below 29.7 ins: over North Germany, the Baltic Provinces, the Baltic, and Central Russia; (2) below 30.0 ins: over Corsica and the Gulf of Genoa, as well as off our northwestern coast. Well-marked depression coming over our northwestern districts later from the Atlantic. Depression over Denmark advancing towards the Baltic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 THURSDAY 20TH JULY. 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.		Dirce.	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.			Dirce.	Force (0 to 12).		Max.	Min.	
		Ins.	°				Ins.	°	°	°							°	ins.			
SCANDINAVIA.	Haparanda ...	29.58	57	2	0	T	29.52	-10	60	58	-2	NE	2	0	*	T	77	55	0.08		
	Hernösand ...	29.60	57	2	0	b	29.58	-10	62	58	-4	E	4	bc	*	b	77	55	—		
	Stockholm ...	29.63	66	2	0	b	29.68	+02	70	61	+9	2	0	b	*	b	77	55	—		
	Wisby ...	29.67	63	SW	2	b	29.70	+06	64	61	+3	W	2	b	*	b	77	52	—		
	Bodö ...	29.62	54	NW	1	b	29.58	-12	57	54	-3	W	2	b	1	b	59	46	—		
	Christiansund...	29.53	57	NE	2	bc	29.44	-21	58	53	-5	E	1	b	1	bc	61	52	—		
	Skudesnaes ...	29.48	60	SE	6	T	29.37	-26	61	60	-1	S	6	T	5	0.7	58	—	—		
	Christiania Fjord (Færder)	29.61	62	SW	5	0	29.50	-14	63	60	-3	S	4	T	2	0	68	61	—		
	Skagen (The Scaw)	29.62	62	SW	1	0	29.52	-12	62	60	-2	SW	2	0	2	0	68	48	0.20		
	Fanö ...	29.62	61	W	5	c	29.50	-26	61	61	0	W	6	T	*	c	68	59	0.28		
ISLANDS	Sumburgh Head	29.25	58	S	2	m	29.11	-36	53	53	0	SW	1	m	3	T, m	56	51	0.42		
	Stornoway ...	29.18	56	SW	2	T	29.12	-14	58	57	-1	SW	2	0	2	0.7	62	58	0.05		
	Wick ...	29.29	57	SW	1	0	29.18	-20	61	60	-1	NW	2	bc	1	0	65	54	0.20		
	Nairn ...	29.20	57	2	0	c	29.14	-18	59	58	-1	W	2	bc	1	c	70	53	0.12		
	Aberdeen ...	29.28	59	S	4	0.05	29.20	-17	61	58	-3	SW	2	bc	2	bc, 0.05	71	56	0.09		
	Leith ...	29.28	63	W	4	c	29.26	-11	59	54	-5	W	4	c	*	c	71	54	—		
	Shields ...	29.41	64	W	4	0	29.38	-12	59	54	-5	W	4	c	2	c, 0	70	56	0.03		
	Spurn Head ...	29.53	63	SW	2	T	29.49	-11	63	59	-4	SW	2	c	3	c, T	69	56	0.05		
	York ...	29.51	64	S	2	0	29.46	-13	61	57	-4	W	2	bc	*	0	71	56	0.01		
	Loughborough	29.58	65	SW	2	T	29.50	-12	61	58	-3	W	1	onw	*	T	71	57	0.23		
BRITISH ISLANDS	Ardrossan ...	29.28	60	S	4	b	29.28	-10	58	54	-4	W	4	c	3	0.0, b	61	54	0.05		
	Malin Head ...	29.22	59	SW	7	og	29.27	-23	56	51	-5	W	6	bc	4	0.0, og	62	54	0.08		
	Mullaghmore ...	29.40	60	W	6	of	29.38	-12	59	54	-5	W	4	bc	*	of	62	54	0.01		
	Belmullet ...	29.38	60	SW	2	bc	29.45	+04	61	57	-4	W	4	bc	2	bc	70	59	0.13		
	Donaghadee ...	29.38	60	SW	2	bc	29.45	+04	61	57	-4	W	4	bc	2	bc	70	59	0.13		
	Liverpool (Bidston)	29.48	64	SW	4	0.01	29.50	-02	59	58	-1	W	2	bc	3	0	66	53	—		
	Holyhead ...	29.47	60	SW	6	onw	29.52	-05	61	58	-3	W	2	c	3	c, 0.05	63	54	—		
	Parsonstown ...	29.46	60	SW	2	0	29.53	-01	60	58	-2	2	0	bc	*	0	65	53	0.04		
	Valencia ...	29.58	62	W	4	bc	29.62	-01	60	57	-3	W	1	onw	3	onw, bc	65	54	0.02		
	Roche's Point	29.55	67	W	4	bc	29.59	-04	60	56	-4	NW	2	bc	2	bc	68	57	—		
GERMANY & HOLLAND	Pembroke (St. Ann's Hd.)	29.58	60	SW	4	bc	29.56	-14	58	56	-2	NW	2	b	3	bc	61	57	0.23		
	Scilly ...	29.64	62	SW	5	T	29.61	-18	62	59	-3	W	2	bc	4	m, T	63	58	0.20		
	Prawle Point ...	29.78	60	SW	6	f	29.58	-23	59	59	-1	W	2	c	2	T	60	58	0.04		
	Jersey (St. Aubin's)	29.79	67	SW	2	cr	29.65	-23	63	63	0	SW	4	onw	3	0.0, 0.05	69	61	0.09		
	Hurst Castle ...	29.69	61	SW	7	md	29.56	-24	62	62	0	SW	7	onw	5	onw, md	64	60	0.38		
	Dungeness ...	29.72	63	W	6	0	29.61	-19	61	60	-1	SW	6	od	5	0	63	60	0.01		
	North Foreland	29.69	63	SW	5	of	29.58	-19	61	59	-2	SW	5	f, 0	4	0.0, 0.05	66	57	0.12		
	London ...	29.65	63	SW	4	T	29.58	-22	61	60	-1	SW	2	OT	*	0.0, 0.05	70	60	0.14		
	Oxford ...	29.61	58	S	2	T	29.52	-19	60	59	-1	W	1	OT	*	0.05	68	56	0.05		
	Cambridge ...	29.62	64	S	2	T	29.54	-17	60	60	0	W	1	T	*	0.05	70	58	0.38		
FRANCE AND BELGIUM.	Yarmouth ...	29.62	66	SW	2	of	29.56	-14	63	62	-1	SW	2	0	3	c, 0.05	71	60	0.20		
	Cuxhaven ...	29.75	61	SW	2	T	29.67	-14	61	60	-1	SW	4	0	*	T	64	59	0.04		
	Berlin ...	29.87	61	NW	4	T	29.86	+09	64	59	-5	SW	2	0	*	T	72	57	—		
	Wiesbaden ...	29.88	61	W	2	bc	29.88	-14	63	59	-4	SW	1	bc	*	*	70	58	—		
	Munich ...	29.01	61	NE	2	b	29.99	-08	65	59	-6	SE	2	b	*	b	70	46	—		
	The Helder ...	29.71	62	SW	7	T	29.64	-14	63	61	-2	SW	5	0	4	T	64	61	0.16		
	Brussels (9 a.m.)	*	*	*	*	*	29.71	-20	67	61	-6	SW	2	b	*	0	2	57	—	—	
	Cape Gris Nez	29.78	62	W	6	0	29.66	-17	62	60	-2	W	5	0	5	0	63	59	—	—	
	Paris ...	29.83	73	W	2	b	29.77	-22	64	61	-3	NE	2	b	*	b	70	54	—	—	
	Brest ...	29.84	62	SW	5	m	29.71	-27	60	60	0	SW	4	T	4	m	66	53	0.04	—	
PENINSULA.	Lorient ...	29.86	63	SW	4	c	29.71	-27	65	63	-2	SW	5	0	4	c	70	59	—	—	
	Rocheport ...	29.87	71	NW	4	b	29.80	-21	66	64	-2	NW	4	0	*	b	77	61	—	—	
	Belfort ...	29.89	72	E	1	b	29.89	-17	65	59	-6	S	2	0	*	b	80	58	—	—	
	Lyons ...	29.93	72	S	1	b	29.98	+07	67	62	-5	2	0	c	1	b	81	61	—	—	
	Nice ...	29.96	78	NE	2	b	29.91	-12	70	68	-2	NW	2	b	*	b	84	65	0.20	—	
	Perpignan ...	29.92	78	W	2	b	29.87	-12	68	64	-4	W	2	b	2	b	82	64	0.04	—	
	Biarritz ...	29.92	78	W	2	b	29.87	-12	68	64	-4	W	2	b	2	b	82	64	0.04	—	
	Corunna ...	29.02	66	NW	5	c	29.04	+02	66	63	-3	N	4	0	*	c	70	64	—	—	
	Lisbon ...	29.02	66	NW	5	c	29.04	+02	66	63	-3	N	4	0	*	c	70	64	—	—	

For Explanation of Columns, see bottom of last page.

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

for 8 a.m. on *Thursday, 20th July, 1893.*

EXPLANATION OF MAP

Changes since previous morning are stated in words.

 \equiv forces above 10 \equiv forces 8 to 10

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

===== Rough. ===== High.

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

During the 20 Years 1871—1890.

A hand-drawn weather map of the North Atlantic and Europe. The map shows isobars (lines of equal pressure) and wind directions. Key features include:

- Low Pressure System:** Located over the British Isles, with a central pressure of 29.1. Isobars are labeled 29.1, 29.2, 29.3, 29.4, and 29.5.
- High Pressure System:** Located over the Azores, with a central pressure of 30.0. Isobars are labeled 29.8, 29.9, and 30.0.
- Wind Directions:** Indicated by arrows. Winds are generally blowing from the southwest in the low-pressure system and from the northeast in the high-pressure system.
- Pressure Trends:**
 - "Barometer rising" is written near the low-pressure system.
 - "Barometer falling" is written near the high-pressure system.
 - "Bar: rising" is written near the bottom of the map.
- Other Labels:** "LOW" and "HIGH" are written near their respective pressure systems. "Steadily" is written near the high-pressure system.
- Shaded Area:** A shaded area is present over the British Isles, possibly indicating a specific weather condition.
- Small Circle:** A small circle is marked near the Azores, possibly indicating a specific location or feature.

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.

(For the month of July.)

[illegible]

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in. and upwards in Portugal.

Lowest, 29.1 in. and less, in a depression lying off the north of Scotland.

Gradients moderate or slight. Barometer rising in the west of our Islands and also in the south of France, but falling elsewhere.

TEMPERATURE

Highest (1) 70° at Perpignan, 68° at Biarritz, 67° at Nice, and 66° at Rochefort and Lisbon; (2) 70° at Stockholm, and 64° at Vistby.

Lowest, 55° at Lumburg 11th, 56° at Malin 11th, 57° at Ålesund, and 58° at Christiansund, Norway, and Androsan.

During yesterday the thermometer rose to 70° or a little above it in many parts of Great Britain, as well as at Donaghadee.

WIND

W^{ly} in the west of our Islands, but SW^{ly} on our southeast, east, and north coasts, as well as over Denmark, Germany, the Netherlands, and the greater part of France; strong in force in the eastern parts of the Channel.

Moderate to strong from the Sth in the south of Norway; light from E. or NE. over the northern parts of Scandinavia.

WEATHER

Fine in the western and northern parts of the United Kingdom, as well as in Belgium, the northeast of France, the west and south of Germany, Sweden, and the north of Norway.

Rainy in the southeast of England, and also in Denmark and the south of Norway; dull at most of the western and southern Irish stations, with thunder at Perpignan.

Rain fell yesterday in nearly all parts of the United Kingdom, the largest amounts being 0.7 in. at Oxford and 0.6 in. at Cambridge.

SEA

Rather rough in the eastern parts of the Channel, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometric rise at Valencia Island is very slight, and it is not unlikely that fresh depressions will shortly advance from the Atlantic. Unsettled showery weather is therefore probable in most districts.

FORECASTS

For the 24 hours ending at NOON on 21st July, 1893.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW ^{ly} and W ^{ly} winds, moderate; fair generally, but local showers.	6 SCOTLAND WEST	W ^{ly} to SW ^{ly} winds, varying in force; fair to unsettled and some rain.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES	SW ^{ly} and W ^{ly} winds, moderate inland, strong on coast; fair generally, but local showers.	10 IRELAND SOUTH	
5 ENGLAND SOUTH			
		WARNINGS	The SOUTH CONE is still flying in districts 5 and 7 to 10.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.57	59	54	SE	6	0	4	Valencia ...	29.58	62	60	SW	5	mg	5
Sumburgh Head ...	29.54	52	52	E	4	0	5	Scilly ...	29.71	62	62	SW	5	mt	4
Stornoway ...	29.22	60	59	W	4	0	4	Jersey ...	29.86	60	64	SW	2	og	3
Aberdeen ...	29.31	70	61	SW	3	bc	3	Hurst Castle ...	29.75	62	62	SW	7	mgd	4
Shields ...	29.45	69	62	WSW	4	cp	2	Dungeness ...	29.75	62	61	WSW	7	o	6
Ardrossan ...	29.33	60	59	S	4	op	3	North Foreland ...	29.72	66	61	SW	5	o	4
Malin Head ...	29.30	60	58	SW	4	o	2	London ...	29.70	66	64	SW	5	cp	3
Mullaghmore ...	29.35	60	58	W	3	op	*	Yarmouth ...	29.64	69	63	SW	5	cp	3
Belmullet ...	29.35	60	58	W	3	op	*	Rocheport ...	29.55	74	68	WNW	3	o	*
Holyhead ...	29.53	62	59	SW	6	mg	5								

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

Weather in morning fine and bright over southwestern and southern Europe, and temporarily so over the Netherlands and the Baltic coasts — cloudy or overcast elsewhere, very showery over many parts of the British Islands, and changeable over northwestern Europe generally; rainy at Warsaw and Caeow also. Rain later over the United Kingdom and North Sea generally, and in some parts of France — amounts of fall large at Oxford, Cambridge and Cutham.

Temperature changing fitfully. Morning readings highest 82° at Brindisi, and above 70° at nearly all the Mediterranean stations, at Constantinople, and Odessa; above 60° over the greater part of Ireland and England and on the Swedish and north German coasts. Lowest 52° at Rodi, 53° at Sumburgh Hd., 55° at Harpo, 56° at Kuopio, Christiansund and Ulick. Rising later to 70° or more in several parts of Sweden, Scotland, England, Germany, and the northern half of France, and to between 80° and 84° in the southern parts of France. Successive night storm over England.

Wind variable but chiefly NE² to NW² over northern Europe; W² over Germany and Central Europe. SW² over the British Islands as a whole, and blowing freshly in places, SE² at Sumburgh Hd. Very variable over southwestern, southern, and southeastern Europe. SW² wind becoming still stronger over the British Islands later, and a S² breeze setting in at Skudesnaes.

Barometer highest 30.0 ins. and more to 29.9 ins. over southwestern and southern Europe, but form of system very irregular. Lowest 29.3 ins. and less, to 29.4 ins. over Scotland, the Hebrides, and the extreme north of Ireland, and 29.5 ins. to 29.6 ins. over Ireland and the Baltic Provinces — these systems also of irregular form. Falling over our Islands later as the depression in the northwest spread southeastwards over the Kingdom and the North Sea.

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, 21ST JULY, 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. Reading at 32° F. and Sea Level.	Temp. Dry Bulb.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Sea (0 to 3).	Weather.	Shade Temp.		Amount of Rainfall.		
				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.			
SCANDINAVIA.	Haparanda ...	29.54	57	SW	2	bc	29.57	+0.5	60	58	0	SW	2	bc	*	66	54	—		
	Hernösand ...	29.51	60	S	4	bc	29.50	-0.3	67	61	+5	S	2	bc	*	72	48	—		
	Stockholm ...	29.61	66	S	2	b	29.67	+0.4	72	64	+2	S	0	bc	*	77	57	—		
	Wisby ...	29.67	68	SW	4	o	29.74	+0.4	67	64	+3	WSW	4	o	*	72	53	—		
	Bodo ...	29.44	67	S	0	bc	29.45	-0.8	61	56	+4	S	0	c	*	68	54	—		
	Christiansund...	29.40	61	NNW	1	c	29.40	-0.1	58	55	0	NN	1	o	2	c	66	53	0.04	
	Skudesnaes ...	29.45	60	S	8	c	29.53	+1.6	58	56	-2	S	7	o	5	c	68	57	—	
	Christiania Fjord (Færder)	29.52	61	SW	4	o	29.58	+0.8	62	57	-1	WSW	4	o	3	o	64	59	0.16	
	Skagen (The Scaw)	29.58	63	W	2	c	29.62	+1.0	59	58	-2	WNW	2	o	1	c	72	57	0.12	
	Fanø ...	29.53	62	WSW	6	c	29.68	+1.8	61	58	0	WNW	1	c	*	c	66	61	0.04	
BRITISH ISLANDS.	Sumburgh Head	29.14	53	S	0	f	29.25	+1.4	52	51	-2	W	4	r	4	o, f	60	53	0.05	
	Stornoway ...	29.28	53	N	4	r	29.46	+1.4	54	52	-4	NN	4	c	4	r	58	49	0.05	
	Wick ...	29.17	56	W	2	r	29.44	+1.2	56	52	-3	WNW	6	bc	3	r	62	49	1.05	
	Nairn ...	29.20	59	WSW	2	c	29.44	+1.2	55	50	-4	WSW	2	c	1	c	65	49	0.15	
	Aberdeen ...	29.26	62	WSW	5	bcy	29.52	+1.2	58	51	-2	WSW	2	bc	1	bcy	67	47	—	
	Leith ...	29.36	58	WSW	5	bc	29.60	+1.0	58	52	-1	WSW	4	bc	*	bc	67	53	—	
	Shields ...	29.46	65	SW	4	c	29.64	+1.6	58	54	-1	SW	4	c	2	bc, c	67	49	—	
	Spurn Head ...	29.54	64	WNW	2	c	29.68	+1.9	60	56	-2	ENE	2	bc	2	c	68	53	—	
	York ...	29.53	63	W	2	b	29.67	+1.2	60	56	-1	SW	1	bc	*	b	69	53	—	
	Loughborough	29.57	65	W	2	bc	29.71	+1.8	61	57	0	WSW	1	cw	*	bc	72	53	—	
GERMANY & HOLLAND.	Ardrossan ...	29.43	59	W	4	c	29.62	+1.2	54	52	-4	WSW	4	of	3	bc, c	61	52	—	
	Malin Head ...	29.49	57	WNW	4	cp	29.63	+1.6	56	53	0	SW	3	cp	3	c, cp	60	52	0.16	
	Mullaghmore ...	29.57	61	NN	4	bcy	29.69	+1.6	59	54	0	W	2	bc	*	bc, bcy	67	49	0.02	
	Belmullet ...	29.51	67	WNW	4	b	29.67	+1.2	61	58	0	WSW	4	b	2	b	69	60	0.01	
	Donaghadee ...	29.51	67	WNW	4	b	29.67	+1.2	61	58	0	WSW	4	b	2	b	69	60	0.01	
	Liverpool (Bldston)	29.59	63	W	2	bc	29.70	+1.0	62	56	+3	SW	1	b	1	bc	66	54	—	
	Holyhead ...	29.57	60	SW	2	bc	29.69	+1.7	64	58	+2	NN	1	b	1	bc	66	54	—	
	Parsonstown ...	29.55	62	S	0	c	29.74	+1.9	57	54	-3	S	0	bc	*	c	66	41	0.03	
	Valencia ...	29.67	62	WNW	2	bcy	29.78	+1.6	59	55	-1	S	0	b	1	bcy	63	44	—	
	Roche's Point	29.61	61	WSW	2	c	29.74	+1.5	58	54	-2	NN	2	b	2	c	65	51	0.01	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.62	61	W	2	bc	29.69	+1.3	60	58	+2	S	1	of	1	bc	64	57	—	
	Scilly ...	29.64	63	W	1	c	29.64	+0.3	59	58	-3	NNW	4	of	4	c, r	65	57	0.30	
	Prawle Point ...	29.65	60	WNW	2	c	29.70	+1.2	59	59	0	SE	2	of	1	c, r	63	56	0.08	
	Jersey (St. Aubin's)	29.65	62	NN	2	ogmt	29.74	+0.9	64	62	-1	SW	3	ofm	3	ogmt	68	58	0.24	
	Hurst Castle ...	29.62	63	SW	4	c	29.74	+1.8	62	60	0	WNW	2	f	2	d, bc, c	66	57	0.02	
	Dungeness ...	29.62	61	WSW	5	r	29.70	+0.9	63	62	+2	WSW	2	of	2	r	65	53	0.07	
	North Foreland	29.60	64	SW	4	ogp	29.65	+1.1	64	61	+3	W	2	c	2	r, ogp	65	53	0.06	
	London ...	29.60	68	SW	2	o	29.72	+1.5	63	59	+2	SW	1	c	*	od, o	68	54	0.11	
	Oxford ...	29.61	64	WSW	1	c	29.71	+1.8	60	56	0	S	0	of	*	r, c	72	55	0.08	
	Cambridge ...	29.57	67	SW	2	o	29.70	+1.6	62	58	+2	WSW	1	of	*	o	71	54	0.31	
PENIN-SULA.	Yarmouth ...	29.56	62	SE	3	c	29.67	+1.1	62	59	0	ENE	2	bc	2	of, c	66	57	0.08	
	Cuxhaven ...	29.70	63	WNW	3	bc	29.73	+0.6	63	62	+2	SW	2	r	*	bc	72	61	0.04	
	Berlin ...	29.68	77	SW	2	b	29.76	-1.0	68	63	+4	S	2	b	*	b	81	63	—	
	Wiesbaden ...	29.88	*	*	*	*	29.88	+0.3	68	64	+5	SW	1	b	*	*	81	54	—	
	Munich ...	29.91	69	NE	2	bc	29.92	+0.3	67	62	+2	SW	1	c	*	bc	81	61	0.04	
	The Helder ...	29.64	64	SW	5	r	29.74	+1.0	64	63	+1	WSW	2	o	1	r	66	63	0.08	
	Brussels (9 a.m.)	*	*	*	*	*	29.75	+0.4	64	62	-3	SW	5	r	*	o	82	61	0.08	
	Cape Gris Nez	29.64	63	W	6	r	29.70	+0.4	59	59	-3	WSW	3	o	3	r	68	53	0.08	
	Paris ...	29.73	75	SW	2	bc	29.80	+0.3	64	61	0	SW	2	o	*	bc	82	63	0.07	
	Brest ...	29.64	64	NN	1	c	29.72	+0.3	62	62	+2	SW	3	r	3	c	68	53	0.16	
FRANCE AND BELGIUM.	Lorient ...	29.68	64	SW	3	c	29.75	+0.4	64	63	-1	SW	4	c	3	c	68	61	0.39	
	Rochefort ...	29.80	66	SW	5	o	29.83	+1.3	64	64	-2	WSW	5	r	*	o	75	63	0.63	
	Belfort ...	29.84	70	S	4	ct	29.93	+0.4	65	61	0	SE	1	o	*	bc	82	60	—	
	Lyons ...	29.97	68	SW	2	c	29.95	-0.3	71	64	+4	S	0	bc	1	c	79	63	0.04	
	Nice ...	29.88	75	S	2	o	29.92	+0.1	69	68	-1	E	2	o	*	o	78	65	0.08	
	Perpignan ...	29.88	71	N	4	b	29.86	-0.1	67	64	-1	S	1	o	4	t	77	63	—	
	Biarritz ...	29.88	71	N	4	b	29.86	-0.1	67	64	-1	S	1	o	4	t	77	63	—	
	Corunna ...	29.98	*	*	*	*	29.98	-0.5	66	66	0	SW	4	m	*	c, o	75	64	—	
	Lisbon ...	29.98	67	WNW	3	o	29.98	-0.5	66	66	0	SW	4	m	*	c, o	75	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, 21st July, 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.

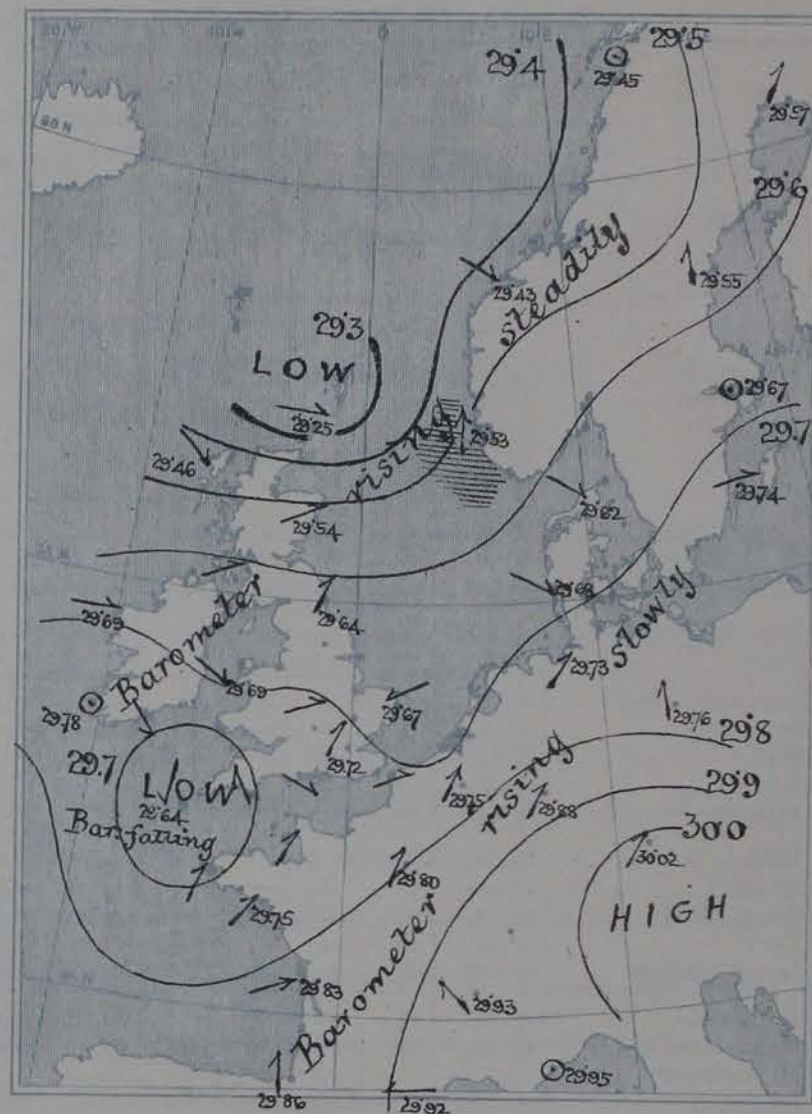
at 8.0 a.m. for the month of July.

During the 20 Years 1871-1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.956
Mullaghmore	29.959
Donaghadee	29.977
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Sally	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	63.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.00
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Sally	64.4	56.2	60.2	57.3	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.26
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.6	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.9	57.8	2.85

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 Bavaria; 29.9 ins. and upwards over nearly the whole of Spain and the southern parts of France and Germany.
 Lowest, 29.3 ins. and less, in a depression lying near the Shetlands; 29.7 ins. and less, in a shallow system lying over our southwest coasts.
 Gradients slight. Barometer rising generally, but falling a little at the mouth of the Channel.

TEMPERATURE

Highest, 72° at Stockholm, 71° at Nice, 69° at Perpignan, 68° at Berlin and Wiesbaden, and 67° at Hermand, Nisby and Rung.
 Lowest, 52° at Lumburg Ht., 54° at Fomoway and Androssow, 55° at Kairu, 56° at Wick, and 57° at Pansonsow.
 The highest maxima registered over our Islands yesterday were 72° at Loughborough and Oxford, and 71° at Cambridge.

WIND

W^{ly} over the northern parts of the United Kingdom and also in Denmark; light or moderate in force generally, but strong at Wick, strong from the S^{ly} in the south of Norway.
 Light to fresh from the SW^{ly} over France, Germany, and the Netherlands.
 A cyclonic circulation of light or moderate breezes is reported in the southwest of our Islands and the northwest of France.

WEATHER

Fair or fine over the greater part of the United Kingdom, but showery in places. Rain is falling in the Shetlands as well as at the mouth of the Channel and in the west of France.
 Fine in Sweden and Germany, but cloudy in most other parts of the Continent, with rain at Copenhagen and Brussels.
 In the course of the past 24 hours rain has fallen in all the more southern as well as in the extreme northern parts of our Islands, the largest amounts being 1.1 ins. at Wick, and 0.9 ins. at Fomoway and Lill.

SEA

Light or smooth generally, but rather rough at Rudolfsdal.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which is forming over our southwest coasts seems likely to move eastwards. Rainy weather is therefore probable in many parts of England.

FORECASTS

For the 24 hours ending at NOON on 22nd July, 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | } W ^{ly} winds, light or moderate; fair generally, but local showers. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | SW ^{ly} to SE ^{ly} winds, light; fine to cloudy and showery. |
| 3 | ENGLAND EAST | } S ^{ly} to Variable breezes; fair to dull and rainy, possibly thunder. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | Same as Nos 0 and 1. |
| 7 | ENGLAND N.W. | Light breezes, chiefly W ^{ly} ; changeable, some showers. |
| 8 | ENGLAND S.W. | Variable breezes, finally NW ^{ly} ; changeable, some rain, possibly thunder. |
| 9 | IRELAND NORTH | } W ^{ly} and NW ^{ly} 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.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.41	63	60	SE	6	c	4	Valencia ...	29.64	62	57	W	5	bc	2
Sumburgh Head ...	29.14	58	55	SE	1	o	3	Scilly ...	29.64	64	60	W	2	c	4
Stornoway ...	29.10	58	55	NE	3	7	3	Jersey ...	29.66	67	63	SE	5	ogp	4
Aberdeen ...	29.24	66	56	W	5	bc	3	Hurst Castle ...	29.60	65	63	W	4	bc	4
Shields ...	29.48	66	55	W	5	bc	2	Dungeness ...	29.60	63	60	W	5	7	4
Ardrossan ...	29.94	60	58	W	4	bc	3	North Foreland ...	29.57	64	62	W	5	7	5
Malin Head ...	29.43	57	52	W	6	cp	4	London ...	29.57	65	63	W	2	od	*
Mullaghmore ...								Yarmouth ...	29.52	65	64	W	2	op	4
Belmullet ...	29.57	65	57	W	4	bc	*	Rochefort ...	29.82	72	65	W	2	0	*
Holyhead ...	29.56	65	57	W	2	bc	2								

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

Weather in morning fine and bright over eastern, southern and the greater part of southwestern Europe, as well as over Belgium, the Baltic, and northern half of Scandinavia, also over Ireland and the west of England; cloudy or overcast elsewhere, with rain over Brittany, the Channel Islands, our southeastern and midland counties, in Denmark, and the south of Norway. General condition very changeable over the northern countries. Rain later over France and the south of our Islands and also in the extreme north, fair weather in the northeast, but conditions still very variable.

Temperature still changing rather fitfully. Morning readings highest 70° to 78° over the greater part of the Mediterranean coast, 76° at Constantinople, and above 60° except at the most northern and northwestern stations. Lowest 55° at Lumburg H^t, 56° at Malin H^t, 57° at Bodo, 58° at Christiansund and Ardrossan, 59° at Belmullet and Shields. Rising to 70° and more over our midland counties later, to between 80° and 88° in many part of France, and to between 80° and 88° over Central Germany. Not touching 80° in the south of France.

Wind light to moderate and very variable over eastern and southern Europe and the Mediterranean, moderate W¹ at our western stations, fresh to strong from SW. over Brittany and the southeast of England, moderate to light from SW. on our east and northeast coasts, strong S¹ at Skudesnaes, light E¹ at Lumburg H^t. Moderating over the southeast of England later, and backing to SE. at Yarmouth, and to SW. at Rochefort.

Barometer highest 30.0 ins. and more to 29.9 ins. over the southwestern half of Spain, and also over South Germany, Austria-Hungary, and the southeastern countries of Europe generally. Lowest 29.2 ins. and less, in a depression having its central area over the most northern parts of Scotland, the Shetlands and Hebrides, and neighbouring parts of the Atlantic; shallow secondary systems over England and northern Europe. Rising over our Islands later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* 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 SATURDAY, 22ND JULY, 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).	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 ...	29.58	59	SW	2	bc	29.58	+0.1	58	58	-5	SW	2	f	*	bc	66	57	-		
	Hernösand ...	29.55	65	S	4	b	29.58	+0.3	67	58	0	S	2	f	*	b	72	57	-		
	Stockholm ...	29.70	66	SW	2	b	29.76	+0.6	63	58	-9	SW	2	0	*	b	77	61	0.12		
	Wisby ...	29.76	66	SW	4	bc	29.80	+0.4	58	56	-2	WNW	6	7	*	bc	77	58	0.16		
	Bodö ...	29.46	64	NE	1	b	29.63	+0.1	57	50	-10	SW	6	7	3	b	64	53	0.59		
	Christiansund...	29.60	58	WNW	3	0	29.65	+0.5	57	55	-1	E	4	b	2	q, l	64	52	0.47		
	Skudesnaes ...	29.71	58	WNW	4	c	29.71	+0.1	59	55	+1	SE	6	0	5	q, c	61	57	-		
	Christiania Fjord (Fjorder)	29.67	63	SW	7	b	29.72	+0.5	60	54	-2	W	4	b	3	b	66	59	-		
	Skagen (The Scaw)	29.25	57	W	2	c	29.77	+0.5	62	55	+3	W	2	c	1	c	72	54	-		
	Fanø ...	29.70	59	2	0	c	29.70	+0.7	59	58	-2	2	0	c	*	c	72	57	0.01		
BRITISH ISLANDS.	Sumburgh Head	29.42	54	W	4	c	29.49	+0.7	57	57	-1	W	3	7	4	c	58	49	0.06		
	Stornoway ...	29.54	57	W	4	bc	29.70	+0.2	58	52	-1	WNW	5	0	5	q, bc	59	47	0.10		
	Wick ...	29.54	54	WNW	4	bc	29.65	+0.1	52	53	-4	WNW	4	0	3	b	62	48	0.05		
	Nairn ...	29.55	60	WNW	2	bc	29.67	+0.1	55	57	0	WNW	2	c	1	b	64	45	-		
	Aberdeen ...	29.60	66	W	2	b	29.70	+0.1	60	52	+2	WNW	3	bc	1	bc, b	68	50	-		
	Leith ...	29.64	59	W	2	bc	29.75	+0.1	58	52	0	W	1	bc	*	bc	67	50	0.01		
	Shields ...	29.68	62	E	1	0	29.76	+0.8	60	57	+2	W	4	c	2	c, 0	67	52	-		
	Spurn Head ...	29.70	61	SE	4	c	29.78	+0.8	59	53	-1	WNW	4	bc	2	c, f	65	54	0.04		
	York ...	29.70	66	W	1	c	29.80	+0.1	59	57	-1	W	3	b	*	c	69	50	-		
	Loughborough	29.72	70	WNW	1	c	29.88	+0.7	60	53	-1	W	4	bc	*	c, f	73	57	0.01		
GERMANY & HOLLAND.	Ardrossan ...	29.67	58	WNW	3	bc	29.75	+0.8	58	54	+4	W	4	c	3	bc	62	52	-		
	Malin Head ...	29.66	53	W	4	0	29.83	+0.2	56	52	0	WNW	5	bp	3	0	61	52	0.11		
	Mullaghmore ...	29.74	60	W	4	bc	29.94	+0.2	58	54	-1	WNW	2	bc	*	0	62	48	0.17		
	Belmullet ...	29.71	58	SE	1	c	29.86	+0.1	57	57	-2	W	4	b	2	c	67	58	0.21		
	Donaghadee ...	29.71	58	SE	1	c	29.86	+0.1	57	57	-2	W	4	b	2	c	67	58	0.21		
	Liverpool (Bldston)	29.75	62	WNW	1	bc	29.87	+0.1	59	55	-1	W	4	bc	5	bc	67	54	0.05		
	Holyhead ...	29.74	60	WNW	2	b	29.89	+0.2	61	56	-3	WNW	3	b	2	b	64	53	0.01		
	Parsonstown ...	29.77	63	SE	1	bc	29.97	+0.2	59	56	+2	SW	1	bc	*	bc	66	46	-		
	Valencia ...	29.85	60	WNW	4	bc	29.90	+0.5	62	58	+3	WNW	1	c	2	bc	68	51	0.06		
	Roche's Point	29.80	65	WNW	3	bc	29.91	+0.1	60	56	+2	ENE	1	b	2	bc	66	54	-		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.77	62	WNW	2	b	29.97	+0.2	58	55	-2	WNW	3	b	2	b	65	55	-		
	Scilly ...	29.83	62	WNW	4	bc	29.90	+0.7	62	57	+3	WNW	4	c	3	bc	64	56	0.01		
	Prawle Point ...	29.74	62	SW	2	bc	29.99	+0.2	58	56	-1	W	2	c	1	bc	65	53	-		
	Jersey (St. Aubin's)	29.79	67	S	3	bc	29.92	+0.1	63	58	-1	WNW	3	c	3	c, bc	71	57	0.01		
	Hurst Castle ...	29.76	66	SW	3	c	29.96	+0.2	62	59	0	WNW	2	c	1	c, d	69	58	0.01		
	Dungeness ...	29.77	65	WNW	2	bc	29.88	+0.1	64	57	+1	WNW	4	c	3	bc	68	60	-		
	North Foreland	29.73	70	W	2	bc	29.84	+0.1	62	56	-2	WNW	4	bc	3	c, bc	70	57	-		
	London ...	29.75	69	SW	2	c	29.91	+0.6	61	54	-2	WNW	1	0	*	70, c, bc	73	58	-		
	Oxford ...	29.75	61	SW	1	0	29.91	+0.2	60	55	0	W	3	bc	*	0	68	53	0.53		
	Cambridge ...	29.73	69	WNW	3	c	29.87	+0.4	61	56	-1	WNW	3	b	*	c	72	54	0.71		
PENINSULA.	Yarmouth ...	29.74	63	ENE	2	c	29.80	+0.6	59	55	-4	WNW	2	bc	3	bc, c	66	53	0.02		
	Cuxhaven ...	29.80	62	SW	1	T	29.82	+0.2	62	62	0	SW	2	bc	*	T	69	61	0.40		
	Berlin ...	29.82	72	W	2	c	29.88	+0.6	69	65	+1	SW	2	0	*	c	88	64	-		
	Wiesbaden ...	*	*	*	*	*	29.92	+0.4	68	63	0	SW	2	c	*	*	75	61	-		
	Munich ...	29.93	66	SE	1	b	29.97	+0.4	63	61	-4	SW	2	0	*	b	81	63	0.04		
	The Helder ...	29.82	64	WNW	1	c	29.75	+0.5	64	62	0	SW	5	T	3	c	68	57	0.04		
	Brussels (9 a.m.)	*	*	*	*	*	29.88	+0.3	62	61	-1	WNW	3	0	*	b	75	58	0.71		
	Cape Gris Nez	29.77	64	W	1	bc	29.83	+0.6	61	60	+2	WNW	5	0	5	bc	72	57	-		
	Paris ...	29.83	69	SE	2	0	29.96	+0.1	64	62	0	WNW	2	0	*	0	75	61	0.04		
	Brest ...	29.83	66	WNW	3	bc	29.92	+0.1	61	60	-1	WNW	1	c	3	bc	72	57	-		
PENINSULA.	Lorient ...	29.84	68	WNW	3	bc	29.95	+0.1	60	58	-4	WNW	3	c	2	bc	72	57	-		
	Rocheport ...	29.88	75	WNW	3	bc	29.90	+0.2	67	66	+3	WNW	3	bc	*	q, bc	75	64	0.75		
	Belfort ...	29.88	66	W	3	bc	29.95	+0.7	65	59	-1	W	3	0	*	bc	82	57	-		
	Lyons ...	29.92	71	W	3	T	29.95	+0.3	64	60	-1	SE	1	0	*	T	81	60	0.04		
	Nice ...	29.95	71	2	0	c	29.98	+0.3	70	66	-1	2	0	c	1	c	79	63	-		
	Perpignan ...	29.95	70	2	0	0	29.91	+0.6	70	68	+1	2	0	0	*	0	71	64	-		
	Biarritz ...	29.90	75	2	0	b	29.94	+0.4	68	65	+1	WNW	3	7L	3	b	81	63	0.59		
	Corunna ...	29.86	68	WNW	3	*	29.92	+0.6	71	65	+5	WNW	4	b	*	*	75	64	-		
	Lisbon ...	29.86	68	WNW	3	*	29.92	+0.6	71	65	+5	WNW	4	b	*	*	75	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 Saturday, 22nd July, 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

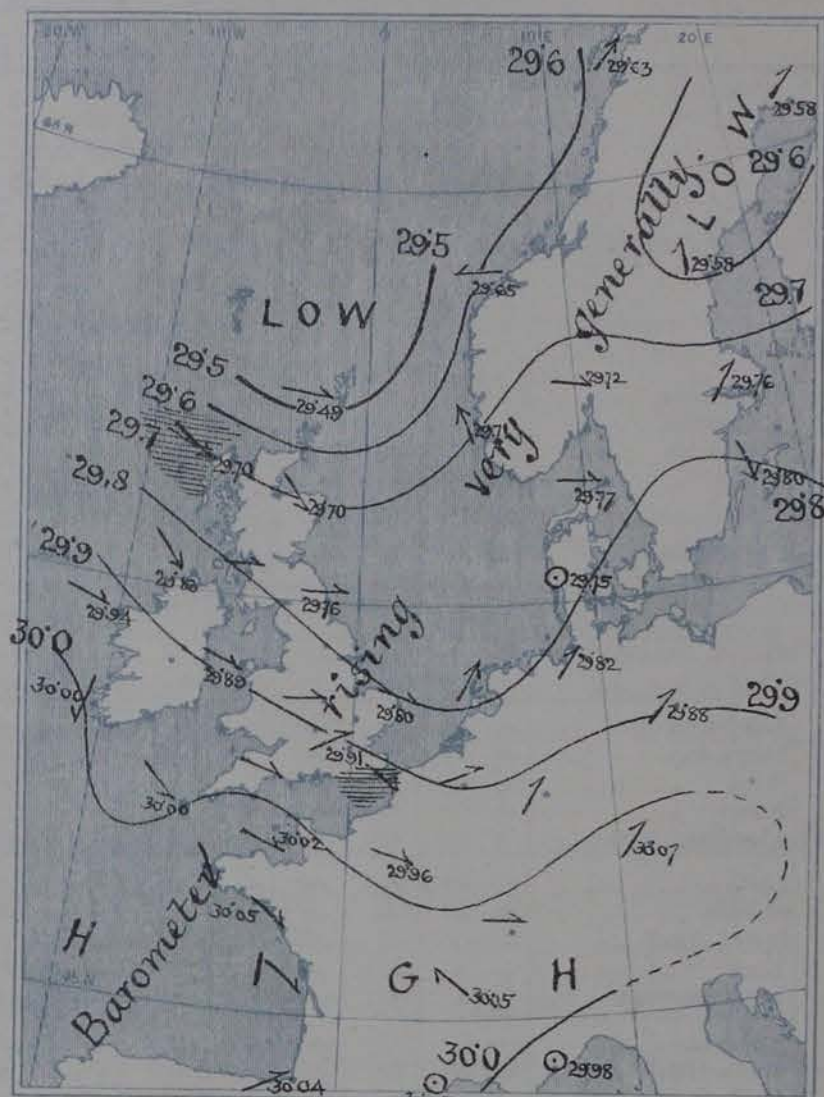
at 8.0 a.m. for the month of July.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrrossan	29.956
Mullaghmore	29.969
Donaghadee	29.977
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.938
Scilly	29.974
Pravle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins. and upwards in Portugal.

Lowest, 29.5 ins. and less, in a depression lying to the northward of our Islands.

Gradients slight. Barometer rising generally.

TEMPERATURE

Highest, 71° at Lisbon, 70° at Nice and Perpignan, 69° at Berlin, 68° at Wiesbaden and Biarritz, and 67° at Helsingfors and Stockholm.

Lowest, 51° at Bodo and Lumburg, 52° at Kiel, 53° at Stomoway, 55° at Haparanda and Narvik, and 56° at Malin Head.

The highest maxims registered over our Islands yesterday were 73° at Loughborough and in London, and 72° at Cambridge.

WIND

Light to moderate from the W³ or NW³ over the greater part of our Islands and France, but E² or NE² in the south of Ireland.

Calm in the south of France; light from the SW² in Germany and the Netherlands; S³ or SW³ at most of the Scandinavian stations.

WEATHER

Fine over the greater part of the United Kingdom, but dull in the north of Scotland, with rain in the Shetlands. A solar halo is reported at Hurst Castle.

Cloudy or overcast at most of the Continental stations, and rainy at Bodo, Murby, the Helder and Biarritz.

Rain fell yesterday in many parts of Western Europe, the largest amounts being 0.8 in. at Rochefort, and 0.7 in. at Cambridge and Brussels.

Lightning occurred at Christiansund and thunder at Brussels.

SEA

Light or smooth generally, but rather rough at Shetlands, Stomoway, and Liverpool.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A small and very shallow depression is again shown this morning over our southern coasts, and local showers are still probable in many parts of the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 23rd July, 1893.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

1 SCOTLAND
EAST

2 ENGLAND
N.E.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

5 ENGLAND
SOUTH

W² and NW² winds, moderate; fair generally, but local showers.

Same as No 5

W² winds, light or moderate; fair generally, but perhaps local showers.

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.

NW² to SW² winds, light; cloudy, some showers.

Same as Nos 0 and 1.

Variable breezes, finally NW²; changeable, 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. 66	61	58	W.S.W.	6	o	5	Valencia ...	29. 83	62	57	W	3	b.r	3
Sumburgh Head ...	29. 2	58	53	W	4	c	4	Scilly ...	29. 75	64	60	N.W.	4	bc	3
Stornoway ...	29. 49	58	53	N.W.	5	c	5	Jersey ...	29. 78	70	66	S	3	c.p	3
Aberdeen ...	29. 57	64	58	W.S.W.	2	bc	1	Hurst Castle ...	29. 76	65	63	S.W.	3	c.p.d	2
Shields ...	29. 6	65	57	S.W.	5	c	2	Dungeness ...	29. 75	68	63	W.S.W.	4	bc	3
Ardrossan ...	29. 65	59	56	W.S.W.	2	bc	2	North Foreland ...	29. 73	69	61	S	1	c	2
Malin Head ...	29. 65	58	58	W	4	of	2	London ...	29. 73	70	61	W.S.W.	2	o	*
Mullaghmore ...								Yarmouth ...	29. 73	66	62	E.N.E.	2	bc	2
Belmullet ...	29. 71	57	54	S.W.	2	of	*	Rochefort ...	29. 86	71	68	S.E.	4	o	*
Holyhead ...	29. 74	62	57	N.W.	2	b	1								

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

Weather in morning fine and bright over central and southeastern Europe and on the southern side of the Mediterranean, as well as in many parts of the British Islands and northern Europe; cloudy or overcast elsewhere — with rain over the southwest of England, the western part of the Channel, in the southwest of France, and at Brussels and Cuxhaven. Rainfall very considerable later at several French stations, Brussels, Cambridge, and in the west of Norway. Showers in the east and north of the United Kingdom.

Temperature not changing very decidedly. Morning readings highest 82° at Brindisi, 81° at Larz and Aumale, and about 70° at the Mediterranean stations generally, at Constantinople and on the North German coast; above 60° at nearly all the Continental and English stations. Lowest 52° at Sumburgh Head, 54° at Stornoway, and 55° at Narvik. Rising later to 70° or more over England, to between 72° and 82° over France, and to 88° at Berlin.

Wind light and anticyclonic over southeastern and the greater part of southern Europe, but chiefly E in the southwest of France, S over Algeria and Portugal; mainly W^N over the north of our Islands, S over Germany and at Skudesnaes, but a small cyclonic circulation prevalent over Brittany, the mouth of the Channel and southwest of England. Latter system moving eastwards later, but becoming very feeble and finally breaking up.

Barometer highest 30.0 ins. and more to 29.9 ins. over all the southern and southeastern countries. Lowest 29.3 ins. and less to 29.4 ins. over the Shetland Islands and off the extreme northwest coasts of Europe, and below 29.7 ins. in a shallow depression over the southwest of England. Rising over northwestern and western Europe later; the shallow depression in southwest moving eastwards and filling up.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); 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, 23rd July, 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.				
Ins.		°				Ins.	°	°	°							°	ins.				
SCANDINAVIA.	Haparanda ...	29.62	58	Z	0	b	29.67	+ .09	59	57	+	4	SSW	2	b	#	b	63	54	—	
	Hernösand ...	29.61	66	S	2	b	29.56	— .02	65	59	—	2	SE	4	o	#	b	73	54	—	
	Stockholm ...	29.75	61	S	2	b	29.66	— .10	66	58	+	3	SW	4	b	#	b	73	57	—	
	Wisby ...	29.78	63	S	4	b	29.78	— .02	61	56	+	3	WNW	6	b	#	b	72	54	0.08	
	Bodö ...	29.73	53	N	1	b	29.77	+ .14	54	51	+	3	N	1	b	1	b	54	46	—	
	Christiansund...	29.67	59	WNW	3	b	29.65	00	54	52	—	3	WNW	2	r	3	b	65	52	—	
	Skudesnaes ...	29.72	53	WNW	4	c	29.77	+ .06	54	53	—	5	WNW	7	r	3	c	59	52	—	
	Christiania Fjord (Frier)	29.63	55	NNE	4	o	29.60	— .12	60	54	0	W	8	b	4	o	68	54	0.47		
	Skagen (The Seaw)	29.67	57	SE	4	o	29.73	— .04	59	53	—	3	NNW	6	b	4	o	66	54	0.35	
	Fanö ...	29.84	59	NW	6	c	29.95	+ .20	58	52	—	1	NNW	6	c	#	c	66	55	—	
BRITISH ISLANDS.	Sumburgh Head	29.65	51	W	4	o	29.81	+ .32	51	50	+	0	WNW	4	c	4	o	54	49	0.21	
	Stornoway ...	29.85	59	NW	5	b	29.92	+ .22	58	55	+	5	Z	0	b	3	b	60	45	0.08	
	Wick ...	29.80	54	NW	4	b	29.94	+ .29	58	55	+	6	NW	3	b	1	b	59	46	0.04	
	Nairn ...	29.86	60	W	2	b	29.95	+ .28	58	52	+	3	W	3	b	1	b	62	46	—	
	Aberdeen ...	29.87	60	WNW	3	b	30.00	+ .30	59	51	—	1	W	1	b	1	c	62	47	0.01	
	Leith ...	29.90	61	WSW	4	c	30.00	+ .25	61	54	+	3	WSW	1	b	#	c	68	46	—	
	Shields ...	29.92	62	W	5	c	30.04	+ .28	54	52	—	6	SW	1	o	2	c	67	47	—	
	Spurn Head ...	29.96	63	WNW	5	b	30.09	+ .31	60	55	+	1	WSW	3	o	2	b	65	53	—	
	York ...	29.98	63	WNW	3	b	30.08	+ .28	58	56	—	1	S	1	b	#	b	68	48	—	
	Loughborough	30.04	65	WNW	3	b	30.13	+ .25	61	56	+	1	SW	1	c	#	b	69	45	—	
GERMANY & HOLLAND.	Ardrossan ...	29.96	60	WNW	4	b	29.99	+ .20	58	55	0	ENE	1	om	1	b, b	64	45	—		
	Malin Head ...	29.96	60	NW	2	b	29.95	+ .12	58	55	+	2	ESE	2	ow	1	b	61	51	—	
	Mullaghmore ...	29.99	57	SW	2	b	29.93	— .01	63	61	+	5	ESE	2	o	#	b	68	54	—	
	Belmullet ...	30.02	58	ESE	2	c	29.97	+ .11	57	57	—	2	E	2	f	3	c	65	56	0.03	
	Liverpool (Bidston)	30.05	63	W	3	b	30.05	+ .18	61	57	+	2	SSE	2	o	2	b	64	55	0.02	
	Holyhead ...	30.04	60	SW	4	b	30.01	+ .12	59	58	—	2	SSW	4	omg	3	b	66	57	0.04	
	Parsonstown ...	30.01	63	SW	1	o	29.96	— .01	64	62	+	5	Z	0	o	#	o	69	58	0.01	
	Valencia ...	30.01	60	S	3	rm	30.01	+ .01	63	61	+	1	SW	8	om	3	rm	63	58	0.35	
	Roche's Point	30.05	61	SW	3	o	30.02	+ .01	63	60	+	3	W	3	b	3	o, r	65	58	0.15	
	Pembroke (St. Ann's Hd.)	30.09	61	W	3	c	30.03	+ .06	60	59	+	2	S	6	dgm	6	c	64	58	0.03	
FRANCE AND BELGIUM.	Scilly ...	30.16	67	WSW	2	c	30.10	+ .10	63	63	+	1	SSW	4	r	4	c	67	56	0.08	
	Prawle Point ...	30.15	61	WSW	3	b	30.16	+ .17	60	60	+	2	SW	4	og	3	b, r	64	55	0.01	
	Jersey (St. Aubin's)	30.14	64	WNW	3	b	30.25	+ .23	64	60	+	1	SW	3	c	3	b, b	67	56	—	
	Hurst Castle ...	30.08	68	W	3	b	30.19	+ .23	63	60	+	1	SW	1	b	1	b	71	55	—	
	Dungeness ...	29.99	65	WSW	5	b	30.18	+ .30	67	60	+	3	SSW	2	b	1	b	71	50	—	
	North Foreland	29.98	67	W	2	b	30.17	+ .33	65	58	+	3	S	1	b	2	b	70	52	—	
	London ...	30.04	69	NW	2	b	30.18	+ .27	64	58	+	8	SW	2	b	#	b, b	72	49	—	
	Oxford ...	30.09	61	WNW	2	b	30.16	+ .25	61	57	+	1	SW	2	o	#	b	69	52	—	
	Cambridge ...	30.04	69	WNW	3	b	30.16	+ .29	63	57	+	2	S	3	b	#	b	71	46	—	
	Yarmouth ...	30.00	66	WNW	2	b	30.14	+ .34	63	65	+	4	SSW	2	b	2	b	69	50	—	
PENINSULA.	Cuxhaven ...	29.88	59	WNW	4	r	30.07	+ .25	60	58	—	3	WNW	4	b	#	r	71	59	0.24	
	Berlin ...	29.87	68	W	4	c	30.09	+ .21	60	56	—	9	W	4	b	#	c	77	55	1.06	
	Wiesbaden ...	*	*	*	*	*	30.27	+ .29	61	56	—	7	NW	2	b	#	*	77	63	0.20	
	Munich ...	30.09	68	SW	2	c	30.21	+ .14	60	58	—	3	NW	5	o	#	c	77	59	0.24	
	The Helder ...	30.06	61	W	3	b	30.17	+ .38	61	57	—	3	W	3	b	3	b	74	61	—	
	Brussels (9 a.m.)	*	*	*	*	*	30.20	+ .32	61	58	—	2	WNW	1	b	#	b	70	51	—	
	Cape Gris Nez	29.99	63	W	5	b	30.14	+ .21	61	58	—	0	S	1	m	1	b	68	57	—	
	Paris ...	30.10	67	N	2	b	30.26	+ .30	57	55	—	7	SSW	1	b	#	b	71	50	—	
	Brest ...	?	66	NNW	1	b	?	?	62	60	+	1	ESE	3	c	3	b	70	59	—	
	Lorient ...	30.17	64	W	5	b	30.26	+ .21	61	59	+	1	S	3	c	2	b	70	55	—	
FRANCE AND BELGIUM.	Rochefort ...	30.12	67	WNW	5	b	30.22	+ .22	62	60	—	5	ENE	3	b	#	b	73	59	—	
	Belfort ...	?	64	W	3	r	?	?	63	54	—	2	W	3	b	#	r	76	54	0.67	
	Lyons ...	30.06	72	NE	1	c	30.20	+ .15	64	57	0	N	3	b	#	c	82	60	—		
	Nice ...	29.99	68	W	1	c	29.99	+ .01	71	66	+	1	Z	0	b	0	c	82	63	0.04	
	Perpignan ...	30.06	77	NW	4	c	30.19	+ .18	71	62	+	1	NNW	4	b	#	c	83	66	0.28	
	Biarritz ...	30.16	71	NW	3	b	30.23	+ .19	69	63	+	1	E	3	b	2	b	75	64	—	
PENINSULA.	Corunna ...	*	*	*	*	*	30.16	+ .03	69	66	+	1	NE	2	c	1	*	72	55	—	
	Lisbon ...	30.15	69	NNW	5	b	30.13	+ .01	75	69	+	10	NNE	4	b	#	b	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 Sunday, 23rd July, 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

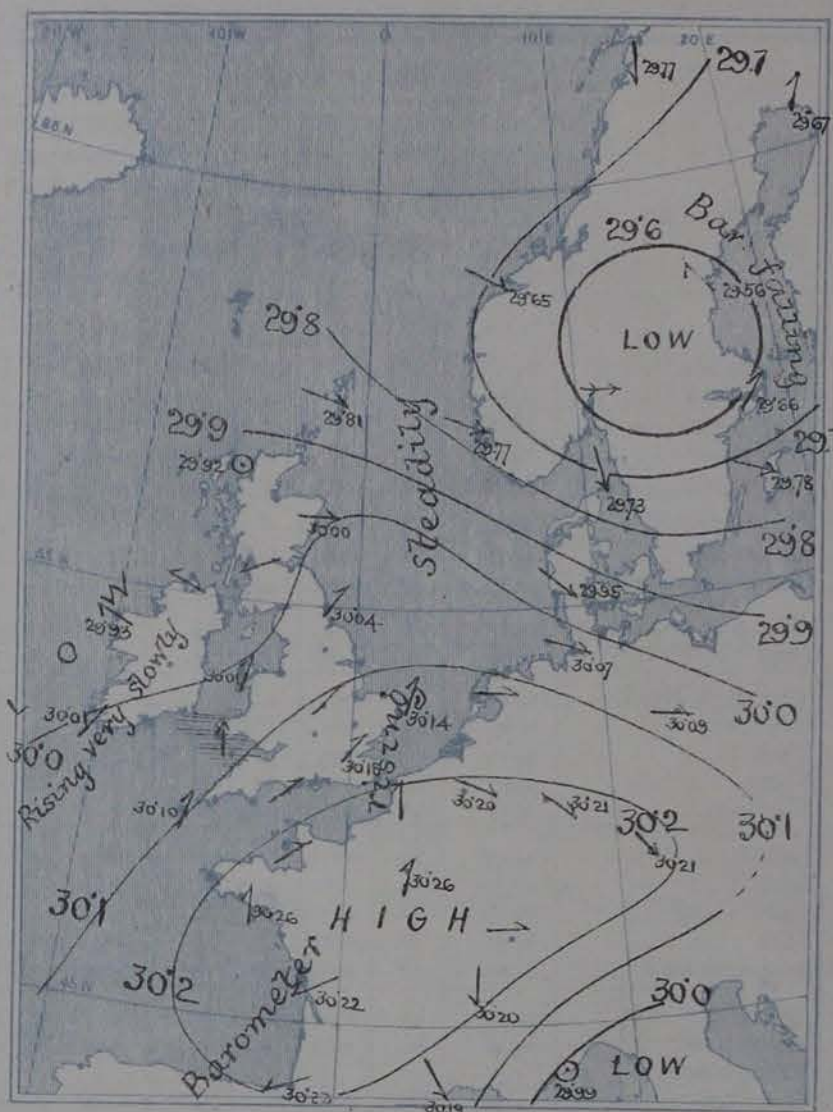
at 8.0 a.m. for the month of July.

During the 20 Years 1871-1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.956
Mullaghmore	29.969
Donaghadee	29.977
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.940
Cambridge	29.935
Yarmouth	29.929



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	55.2	59.3	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.8	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.44
Scilly	64.4	56.2	60.2	58.1	2.36
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.8	57.8	2.85

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, 30.2 ins. and upwards, in an anticyclone lying over France and the southwestern part of Germany.
 Lowest, 29.6 ins. and less, in a depression lying over Scandinavia.
 Gradients moderate over Denmark, ~~and~~ the south of Scandinavia, and the adjacent parts of the North Sea, but slight elsewhere.
 Barometer falling in the west of our Islands and also in Scandinavia, but rising in most other parts of Western Europe.

TEMPERATURE

Highest, 75° at Lubeck, 71° at Trice and Papieman, 69° at Biarritz and Comma, 67° at Dungeness, and 66° at Stockholm.
 Lowest, 51° at Dumbagh 11th, 54° at 13th, Christiansund, Skudenes and Shields, and 57° at Donaghadee.
 During last night the thermometer in the Green fell to 45° at Loughborough and Ardrossan.

WIND

Light to fresh from the S^W or S^W^{ly} over England, the south of Ireland, and the north of France, but from the E^W or E^W^{ly} in the north of Ireland.
 Light to moderate from the W^W or NW^W in Scotland; strong from the same quarters in the eastern shores of the North Sea.
 E^W in the west of France; NE^W or N^W over the Spanish Peninsula.

WEATHER

Bell in the western and southwestern parts of the United Kingdom, with rain in the southeast of England.
 Fine in most other parts of our area, but rainy in the west of Norway.
 In the course of the past 24 hours slight rain has fallen in the western and extreme northern parts of our Islands, and larger quantities in Germany (about France).

SEA

Moderate to smooth generally, but rough at Pembroke.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

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

DISTRICTS.

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

FORECASTS.

None issued

DISTRICTS.

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

WARNINGS

FORECASTS.

None issued

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.		THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	29.72	58	54	S	4	o	4		Valencia ...	30.02	60	59	S	3	rm	3
Sumburgh Head ...	29.59	51	51	W	3	o	4		Scilly ...	30.09	66	61	W	1	c	3
Stornoway ...	29.81	59	55	NW	5	c	5		Jersey ...	30.11	66	61	WNW	2	bc	3
Aberdeen ...	29.81	59	51	NW	3	cq	2		Hurst Castle ...	30.03	69	61	WNW	5	bc	1
Shields ...	29.84	66	58	W	5	c	2		Dungeness ...	29.95	67	62	WNW	3	b	4
Ardrossan ...	29.90	63	61	W	5	b	3		North Foreland ...	29.95	70	58	NW	2	bc	2
Malin Head ...	29.96	60	54	NW	3	b	2		London ...	29.98	70	57	W	4	bc	*
Mullaghmore ...	29.99	68	56	WSW	2	b	*		Yarmouth ...	29.97	69	56	W	4	bc	2
Belmullet ...	30.01	66	58	W	2	b	1		Rochefort ...	30.09	72	67	WNW	4	bc	*
Holyhead ...																

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

Weather in morning fine and bright over southeastern, central, and southwestern Europe, as well as in many parts of Ireland and England, and at most of the Baltic stations - dull over France, cloudy and rainy in the Shetlands and Norway, showery at Malin Head. Rain falling later at our northern and western stations, as well as in many parts of southern and central Europe, and on the shores of the Baltic - amount large (1.1 in.) at Berlin, and exceeding 0.6 in. at Belfast, and 0.3 in. at the Cape and Valencien Island.

Temperature risen over central and eastern Europe. Morning readings highest 80° to 86° in some parts of Algeria, and above 70° on the coasts of southern and southeastern Europe generally; above 60° in the extreme northwest, but lowest 51° at Hús Christiansund, and Sumburgh H., and 52° at Wick. Rising later to 70° and a little more over our southeastern and southern countries and the northern parts of France, to 77° at Berlin, and to rather more than 80° at Nice, Perpignan, and Balm.

Wind light to moderate in force and variable in direction over the southwestern, southern, and southeastern parts of the Continent; stronger in the northwest and north, and mainly (1) NW to W over the United Kingdom, SW over the North Sea, SE to E in the west of Norway, (2) NW at Vichy, SW to S on the eastern side of the Baltic and over the Gulf of Finland. Backing to SW. and S. on our western coasts later, but veering to NW in Norway and Denmark and to N. at Balm.

Barometer 30.1 in. to 30.0 in. in two large high pressure systems, covering the whole of southeastern and southwestern Europe. Lowest 29.5 in. and less, in a depression over or near to the Shetlands, and 29.6 in. and less, in another over the north of Sweden. Gradients slight to moderate, and variable. Rising over northwestern Europe during day, but beginning to fall again in the west of Ireland towards night.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are 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, 24TH JULY, 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.
Ina.						Ina.												Ina.			
SCANDINAVIA.	Haparanda ...	29.62	64	2	0	C	29.59	-0.03	60	60	+4	2	0	0	#	C	72	54	—		
	Hernösand ...	29.50	57	SE	6	0	29.48	-0.02	59	57	-6	2	2	0	#	0	60	52	—		
	Stockholm ...	29.68	61	SW	2	0	29.71	+0.03	64	58	-2	SW	6	0	#	0	72	53	—		
	Wisby ...	29.83	62	WNW	8	0	29.85	+0.02	59	53	-2	W	6	0	#	0	68	53	—		
	Bodö ...	29.67	54	N	2	T	29.58	-0.09	60	56	+6	NW	2	0	1	T	72	52	0.02		
	Christiansund...	29.76	55	NW	3	F	29.80	+0.04	53	52	+1	SW	3	0	3	F	53	54	0.04		
	Skudesnaes ...	29.90	56	WNW	6	F	29.86	+0.04	56	49	+2	S	1	0	3	0	59	52	—		
	Christiania Fjord (Færder)	29.69	65	W	8	0	29.78	+0.09	60	58	+6	SE	4	0	4	0	66	41	—		
	Skagen (The Scaw)	29.82	59	WNW	7	0	29.84	+0.02	59	53	0	W	4	0	3	0	64	54	—		
	Fanö ...	29.01	58	W	4	C	29.94	-0.07	61	58	+3	W	2	0	#	C	64	57	0.04		
BRITISH ISLANDS.	Sumburgh Head	29.88	55	WNW	3	0	29.63	-0.25	53	53	+2	SE	4	0	4	0	58	49	0.13		
	Stornoway ...	29.88	55	S	2	0	29.58	-0.30	59	57	+1	SW	3	0	3	0	62	48	0.15		
	Wick ...	29.94	58	ENE	3	0	29.60	-0.34	60	58	+2	SW	2	0	1	0	71	54	0.30		
	Nairn ...	29.89	62	ENE	1	C	29.62	-0.27	62	58	+4	WNW	2	0	1	C	68	53	0.06		
	Aberdeen ...	29.94	56	SE	3	0	29.65	-0.29	61	59	+2	SW	2	0	1	0	68	53	0.06		
	Leith ...	29.89	65	S	0	0	29.69	-0.20	61	58	0	WNW	3	0	#	0	68	58	—		
	Shields ...	29.94	63	S	0	0	29.72	-0.22	62	60	+2	SW	3	0	2	0	65	51	0.05		
	Spurn Head ...	29.99	65	SW	3	0	29.70	-0.29	64	62	+2	SW	3	0	3	0	68	53	—		
	York ...	29.98	66	SW	2	C	29.80	-0.18	62	61	+1	S	1	0	#	C	68	57	—		
	Loughborough	29.03	62	SE	3	T	29.86	-0.17	65	63	+2	WNW	2	0	#	T	70	50	0.02		
GERMANY & HOLLAND.	Ardrossan ...	29.87	65	SE	1	0	29.72	-0.15	59	57	+1	S	3	0	2	0	68	57	—		
	Malin Head ...	29.82	69	W	1	0	29.69	-0.13	58	57	0	SW	4	0	2	0	69	57	—		
	Mullaghmore ...	29.92	63	WNW	2	0	29.78	-0.14	62	59	-1	SW	4	0	#	0	68	59	0.06		
	Donaghadee ...	29.90	58	SE	2	F	29.78	-0.12	65	63	+2	WNW	3	0	1	F	66	56	—		
	Liverpool (Bidston)	29.96	68	S	0	0	29.83	-0.13	61	59	0	W	4	0	4	0	69	59	0.02		
	Holyhead ...	29.96	61	SW	4	0	29.86	-0.10	63	60	+4	WNW	3	0	3	0	64	57	0.01		
	Parsonstown ...	29.94	70	NE	1	0	29.84	-0.10	63	61	-1	SW	1	0	#	0	72	56	—		
	Valencia ...	29.99	64	SW	2	0	29.94	-0.05	63	61	0	SW	4	0	4	0	68	58	0.01		
	Roche's Point	29.99	63	SW	3	0	29.96	-0.03	63	60	0	W	3	0	3	0	66	57	0.01		
	Pembroke (St. Ann's Hd.)	29.97	61	S	3	F	29.93	-0.04	61	61	+1	W	3	0	4	F	64	59	0.03		
FRANCE AND BELGIUM.	Scilly ...	29.06	64	SW	4	F	29.02	-0.04	63	62	+1	WNW	3	0	4	F	65	60	0.51		
	Prawle Point ...	29.03	59	SW	6	F	29.03	-0.00	61	61	+1	SW	6	0	5	F	61	58	0.41		
	Jersey (St. Aubin's)	29.18	65	SW	3	0	29.07	-0.11	65	64	+1	WNW	5	0	4	0	68	62	0.16		
	Hurst Castle ...	29.11	60	SW	5	T	29.07	-0.11	64	63	+1	WNW	6	0	3	T	67	59	0.44		
	Dungeness ...	29.14	64	WNW	4	C	29.03	-0.11	63	63	-4	W	5	0	4	C	69	60	0.29		
	North Foreland	29.12	67	SW	3	0	29.00	-0.12	67	64	+3	SW	3	0	2	0	71	59	0.29		
	London ...	29.11	68	SW	3	0	29.02	-0.09	67	64	+3	SW	2	0	#	0	73	59	0.24		
	Oxford ...	29.02	60	S	3	T	29.00	-0.02	64	62	+2	WNW	3	0	#	T	70	60	0.20		
	Cambridge ...	29.07	66	S	5	0	29.03	-0.04	66	64	+2	SW	5	0	#	0	75	58	0.12		
	Yarmouth ...	29.06	68	S	4	0	29.04	-0.02	65	64	+1	SW	2	0	2	0	70	59	0.11		
PENINSULA.	Cuxhaven ...	29.15	59	WNW	3	0	29.06	-0.09	61	58	+1	SW	2	0	#	0	67	59	—		
	Berlin ...	29.11	66	WNW	2	C	29.13	+0.02	62	58	+2	SW	1	0	#	C	72	53	—		
	Wiesbaden ...	29.15	60	W	2	0	29.15	-0.00	60	57	-1	WNW	1	0	#	0	72	54	—		
	Munich ...	29.28	60	W	2	0	29.23	-0.05	61	56	+1	SE	3	0	#	0	70	48	—		
	The Helder ...	29.15	63	SW	1	C	29.04	-0.11	59	58	-2	S	4	0	3	C	68	57	0.08		
	Brussels (9 a.m.)	29.02	60	W	3	0	29.02	-0.00	60	59	-1	SW	2	0	#	0	74	58	0.04		
	Cape Gris Nez	29.99	63	W	2	C	29.94	-0.05	62	62	+1	W	3	0	5	C	68	59	0.24		
	Paris ...	29.12	70	SW	1	C	29.12	-0.00	64	61	+3	S	2	0	#	C	75	58	—		
	Brest ...	29.03	63	SW	4	0	29.03	-0.00	62	62	0	WNW	3	0	3	0	66	53	0.04		
	Lorient ...	29.24	65	SW	4	C	29.15	-0.09	64	64	+3	W	4	0	3	C	72	61	—		
GERMANY & HOLLAND.	Rocheport ...	29.22	70	WNW	3	0	29.18	-0.04	66	63	+4	WNW	2	0	#	0	75	59	—		
	Belfort ...	29.18	64	W	2	0	29.20	+0.02	61	56	-2	W	2	0	#	0	77	48	—		
	Lyons ...	29.18	70	W	2	0	29.01	-0.17	64	58	0	WNW	2	0	#	0	74	57	—		
	Nice ...	29.99	75	W	1	C	29.01	-0.02	70	66	+4	W	3	0	#	C	82	70	—		
	Perpignan ...	29.13	76	WNW	3	0	29.14	-0.01	74	62	+3	WNW	3	0	#	0	82	65	—		
	Biarritz ...	29.23	71	WNW	2	0	29.21	-0.02	65	65	-4	WNW	2	0	#	0	75	61	—		
	Corunna ...	29.08	77	WNW	5	0	29.05	-0.03	83	69	+4	WNW	3	0	#	0	91	75	—		
	Lisbon ...	29.08	77	WNW	5	0	29.05	-0.03	83	69	+4	WNW	3	0	#	0	91	75	—		

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, 24th July, 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 to 4.
○—Dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

▨ = Rough ▨ = High

MEAN HEIGHT OF THE BAROMETER

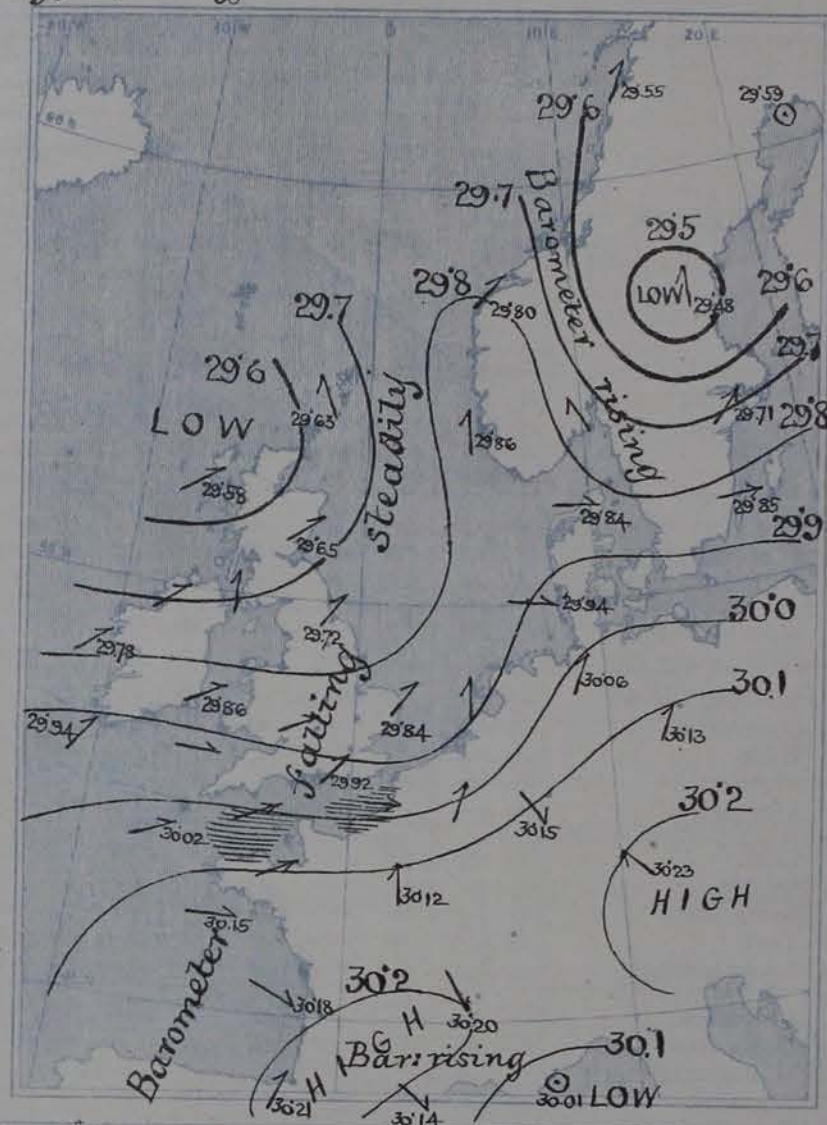
at 8.0 a.m. for the month of July.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Androsan	29.938
Mullaghmore	29.950
Donaghadee	29.975
Holyhead	29.990
Liverpool	29.996
Parsonstown	29.993
Valencia	29.993
Roscoe's Point	29.992
Pembroke	29.996
Selly	29.974
Prawle Point	29.987
Jersey	30.001
Harst Castle	29.968
Dover	29.957
LONDON	29.967
Oxford	29.940
Cambridge	29.927
Yarmouth	29.929



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

TEMPERATURE—Isotherms are drawn for each 1°. Changes since previous morning are stated in words.

WEATHER—is shown by Letters of the Beaufort Scale.

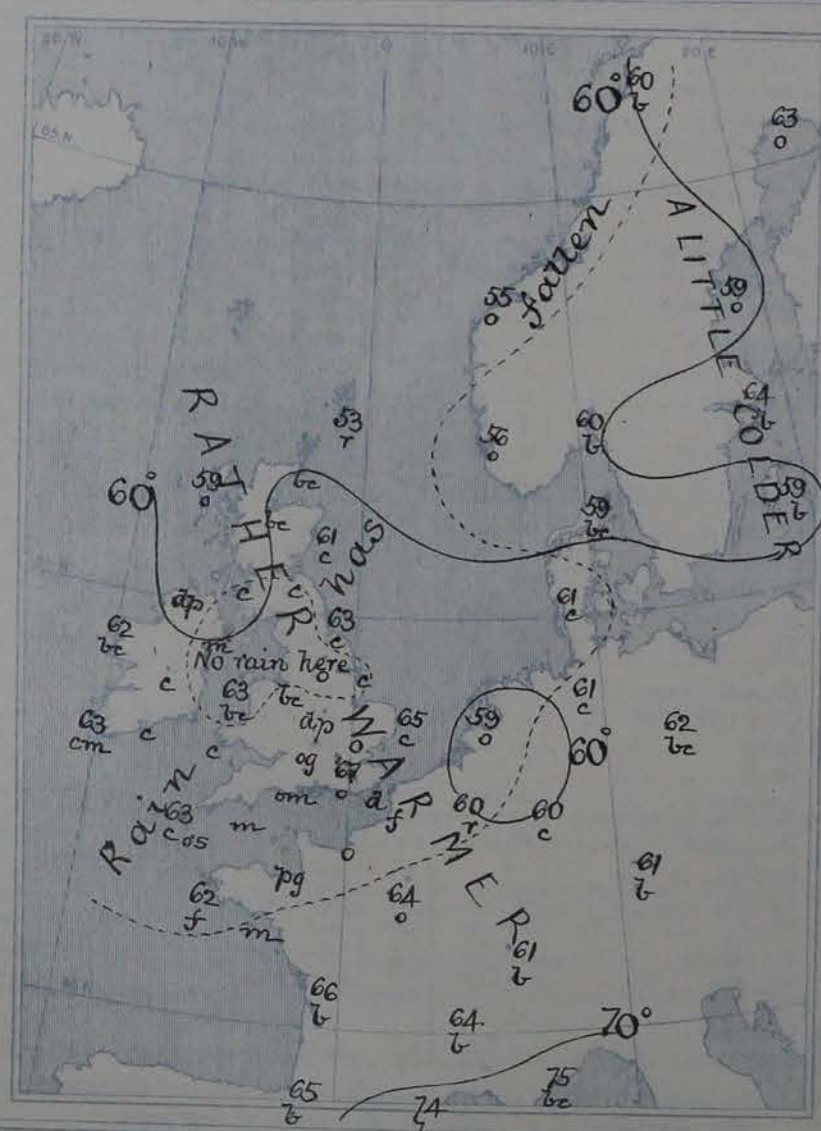
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Daily Avg.	Wind	
Sumburgh Head	57.4	48.0	53.1	51.4	2.45
Stornoway	59.2	48.9	55.5	50.0	3.02
Wick	61.8	48.7	55.8	53.3	2.34
Nairn	64.3	50.9	57.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	64.7	51.2	58.4	54.0	2.85
Shields	64.1	52.2	58.3	53.0	2.60
Spurn Head	65.1	55.2	59.9	56.8	1.71
York	68.7	54.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.0	2.34
Androsan	63.5	52.8	57.3	54.0	2.90
Mullaghmore	62.9	54.0	57.2	54.4	2.72
Donaghadee	63.2	51.8	57.4	53.5	2.40
Holyhead	63.8	54.3	58.1	55.8	2.96
Liverpool	65.9	54.2	59.4	55.0	2.96
Parsonstown	66.4	51.5	58.9	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	2.96
Roscoe's Point	66.1	53.2	58.8	55.9	2.20
Pembroke	62.5	54.8	58.0	56.0	2.54
Selly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.4	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Harst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.0	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.9	57.8	2.85

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. to 30.2 ins. in a large anticyclone covering the greater part of France, Spain, and Germany.

Lowest, 29.5 ins. and less, in a small depression lying near Helsingland.

Gradients slight. Barometer falling generally, but rising over the southern part of Scandinavia and also in the south of France.

TEMPERATURE

Highest, 83° at London, 75° at Nice, 74° at Perpignan, 67° in London and at the North Foreland, and 66° at Cambridge and Rochefort.

Lowest, 53° at Sumburgh Head, 55° at Christiansund, 56° at Skudenes, 58° at Malin H., and 59° at Helsingland, Wisby, Skagen and Hornöy.

The highest maxima registered over our Islands yesterday were 75° at Cambridge, 73° in London, and 72° at Larne.

WIND

SW^{ly} over our Islands, the Netherlands, and the northern parts of France and Germany; light or moderate in force generally, but fresh or strong at the Channel stations.

W^{ly} in the west and south of France and also in Denmark and the south of Sweden; variable over the northern parts of Scandinavia.

WEATHER

Fair or fine in many parts of our area, but showery in a few places; dull and misty at the Channel stations, rainy at Brussels.

Since yesterday morning rain has fallen in most part of the United Kingdom, the largest amounts being 0.5 in. at Scilly, and 0.4 in. at Pembroke, Porthcove, and Hurst Castle.

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Conditions remain favourable for the advance of depressions from the westward, and mild showery weather seems likely to continue over the United Kingdom generally.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

SW^{ly} winds, light; changeable, some showers.

SW^{ly} winds, moderate or fresh; changeable, some showers.

DISTRICTS.


FORECASTS.


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

SW^{ly} winds, moderate or fresh; fair to unsettled and 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 ...	29.86	59	54	NW	8	0	4	Valencia ...							
Sumburgh Head								Scilly ...	30.23	60	60	S	8	02	3
Stornoway ...	29.90	58	56	S	8	7	3	Jersey ...							
Aberdeen ...								Hurst Castle							
Shields ...								Dungeness...	30.17	61	61	W.S.W.	4	C	3
Ardrossan ...								North Foreland...	30.15	70	57	SW	8	6	3
Malin Head ...	29.90	65	62	E	2	C	1	London ...							*
Mullaghmore ...								Yarmouth ...							
Belmullet ...	29.92	63	61	SW	2	0	*	Rocheport ...	30.23	74	69	NW	8	6	*
Holyhead ...	29.97	63	61	SW	5	0	4								

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

Weather in morning fine and bright over Spain, France, the southeast of England and the east of Scotland, as well as over Ireland, cloudy or overcast over Italy, many parts of Central Europe and the west and northwest of the United Kingdom, raining in the west and northwest of the United Kingdom, raining in the west of Norway and on the southwest coast of Great Britain. Rain falling later over the greater part of our Islands, the Netherlands, and north and west of France — the fall being considerable at most of our southern stations — but weather fine in the south of France and at Lisbon.

Temperature fallen decidedly over North Germany and the eastern shore of the Baltic, risen over Central Russia, little changed elsewhere. Morning readings highest 86° at Kishinev, 84° at La Palle, 81° at Palermo, and above 70° at the Mediterranean stations generally, as well as over southern and central Russia. Below 60° on the Norwegian and Danish coasts and in the north and northwest of our Islands; lowest 51° at Sumburgh H., 54° on the coast of Norway, 58° at Malin H. Head, Wick and Stornoway. Exceeding 70° in the south of our Islands later, in Germany, and the north of France, and exceeding 81° at Nice and Perpignan, 81° at Lisbon.

Wind (1) very light and variable (anticyclone) over eastern, western, and southwestern Europe; (2) light to moderate from SW. and S. over England, SE. and E. in the north of Ireland; (3) W. in Iceland, W. to NW. strong to a gale over the south of Norway, Denmark, and the Baltic; SE. light in the north of Sweden, N. at Bodo. Freshening from the S. over England during day and shifting to SW. in the north of Ireland.

Barometer highest 30.2 in. and more to 30.0 in. over Spain, France, Germany, England and Ireland, and 30.0 in. and more over the central and southern parts of Russia and the Black Sea. Lowest 29.6 in. and less, in a depression lying immediately over the southern half of Scandinavia, and below 30.0 in. over Scotland and the northwestern half of Ireland. Falling over our Islands during day as a secondary depression spread over the country, from the north-eastwards.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 16TH TO 22ND JULY 1893.

During the past week the weather over Western Europe has remained in a very changeable condition, with frequent falls of rain and with occasional thunderstorms in isolated localities.

Barometrical pressure has been highest over Spain or the South of France, and while large depressions have appeared off our extreme northwest and north coasts, small secondary disturbances have advanced over the more southern parts of the Kingdom. The prevailing winds have therefore been chiefly from the westward (SW. to NW.) and on the 19th when a rather deep depression spread eastwards over Scotland strong breezes or moderate gales were experienced on several of the more exposed parts of our west and south coasts.

The most important of the secondary systems passed slowly eastwards across the south of England on the 16th and occasioned very heavy rains in places. At Eastbourne and in its immediate vicinity the amount of rainfall varied between 2 and 3 inches, the heaviest fall in a short period being at the rate of about 2 inches per hour.

Temperature has been a little above the average, excess being observed, however, less in the daytime than by night. On the night of the 20th the thermometer in many parts of England did not fall below 60°.

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, 25TH JULY, 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.	Min.
		Ina.	°				Ina.	°	°	°							°	ins.			
SCANDINAVIA.	Haparanda ...	29.63	53	SW	4	bc	29.62	+0.3	53	57	-4	SW	4	0	*	bc	64	57	—		
	Hernösand ...	29.66	56	W	4	b	29.70	+2.5	53	52	0	W	4	0	*	b	64	54	0.16		
	Stockholm ...	29.82	61	W	4	T	29.78	+0.7	60	58	-4	SE	4	0	*	T	70	54	0.04		
	Wisby ...	29.90	60	S	4	b	29.80	-0.5	64	57	+5	S	2	7	*	b	66	55	0.04		
	Bodö ...	29.61	52	SW	3	0	29.62	+0.4	50	43	-10	NNW	2	0	1	0	46	0.04			
	Christiansund...	29.74	56	NNE	1	b	29.54	-2.6	57	56	+2	ESE	3	6	2	b	57	50	—		
	Skudesnaes ...	29.62	57	SE	4	T	29.49	-3.7	56	54	0	SE	4	7	4	0.7	54	54	—		
	Christiania Fjord (Farder)	29.72	61	S	6	0	29.56	-2.2	62	59	+2	SE	5	0	3	0	63	53	0.12		
	Skagen (The Seaw)	29.76	60	SW	3	0	29.56	-2.8	60	60	+1	SW	3	0	2	0	68	52	0.28		
	Fanö ...	29.69	61	SW	4	c	29.62	-3.2	63	60	+2	NNW	4	c	*	T, c, T	64	53	0.31		
BRITISH ISLANDS.	Sumburgh Head	29.49	53	SE	1	f	29.58	-2.5	53	53	0	N	1	0	4	T, f	56	50	0.94		
	Stornoway ...	29.47	53	SW	3	c	29.50	-0.8	57	55	-2	2	0	6	3	c	62	45	0.05		
	Wick ...	29.52	57	2	0	0	29.49	-1.1	56	55	-4	NNW	3	c	2	0.6	62	54	0.30		
	Nairn ...	29.50	60	NNW	2	c	29.49	-1.3	57	58	-5	W	1	c	1	c	70	50	0.06		
	Aberdeen ...	29.53	61	SW	2	c, g, f	29.51	-1.4	57	53	-2	NNW	2	c	1	c, g, f	71	52	0.07		
	Leith ...	29.57	63	NNW	1	bc	29.54	-1.5	56	54	-5	NNW	3	T	*	bc	72	52	0.12		
	Shields ...	29.61	67	SW	4	c	29.60	-1.2	57	54	-6	NNW	4	c	2	f, c, f	70	51	0.22		
	Spurn Head ...	29.70	66	W	4	bc	29.70	-0.9	60	57	-4	W	5	bc	4	bc, f	69	53	0.02		
	York ...	29.72	67	SW	2	c	29.69	-1.1	59	55	-3	W	3	c	*	c	71	54	0.10		
	Loughborough	29.78	70	NNW	3	bc	29.73	-0.7	61	56	-4	NNW	4	c, g, u	*	bc	70	54	—		
BRITISH ISLANDS.	Ardrossan ...	29.53	53	W	3	0	29.54	-1.8	58	56	-1	W	4	T	3	c, f, 0	61	54	0.20		
	Malin Head ...	29.58	57	W	5	bc, g, f	29.61	-0.8	56	53	-2	NNW	6	0, g, f	4	b, bc, g, f	63	54	0.47		
	Mullaghmore ...	29.74	60	W	5	bc, g, f	29.78	0.0	60	57	-2	NNW	4	c	*	bc, f, bc, g, f	64	57	0.15		
	Belmullet ...	29.66	66	W	5	b	29.66	-1.2	57	53	-4	NNW	5	bc	3	b	71	56	0.03		
	Donaghadee ...	29.66	66	W	5	b	29.66	-1.2	57	53	-4	NNW	5	bc	3	b	71	56	0.03		
	Liverpool (Bidston)	29.74	64	NNW	3	c	29.74	-0.9	57	55	-2	W	6	c	5	c	69	53	0.16		
	Holyhead ...	29.75	64	NNW	3	bc	29.78	-0.8	61	56	-2	NNW	4	bc	3	c, bc	69	53	—		
	Parsonstown ...	29.80	60	SW	2	c	29.83	-0.1	57	56	-6	SE	1	od	3	c, d	69	54	0.16		
	Valencia ...	29.94	63	NNW	5	cm	29.96	+0.2	61	57	-2	NNW	4	bc, m	3	cm	65	53	0.05		
	Roche's Point	29.88	66	W	4	bc	29.93	-0.3	60	57	-3	NNW	3	bc	3	bc	68	53	—		
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.85	62	W	5	bc	29.89	-0.4	59	56	-2	W	6	b	5	bc	63	53	—		
	Scilly ...	30.01	64	W	5	c	29.99	-0.3	63	53	0	NNW	5	c	4	c	66	53	0.02		
	Prawle Point ...	29.97	60	SW	4	c	29.95	-0.5	60	57	-1	SW	4	bc	3	c, f	65	53	0.02		
	Jersey (St. Aubin's)	30.01	65	W	4	c, g, m, f	30.02	-0.5	64	53	-1	W	3	cm	3	c, g, m, f	68	60	0.02		
	Hurst Castle ...	29.91	65	NNW	7	bc	29.93	-0.4	64	60	0	W	6	b	3	bc, m	68	53	—		
	Dungeness ...	29.85	65	NNW	6	c	29.86	-0.7	65	60	+2	W	5	b	4	m, c, g	67	60	—		
	North Foreland	29.81	70	SW	4	bc, g	29.83	-0.7	64	56	-3	NNW	3	bc	3	bc, g	70	57	—		
	London ...	29.84	68	W	3	c	29.87	-0.5	64	57	-3	W	3	bc	*	c, b, m	74	58	—		
	Oxford ...	29.84	62	NNW	4	b	29.85	-0.5	61	57	-3	NNW	3	bc	*	bc	71	56	—		
	Cambridge ...	29.79	70	SW	6	c	29.82	-0.5	62	56	-4	SW	6	b	*	c	74	56	—		
GERMANY & HOLLAND.	Yarmouth ...	29.75	72	NNW	4	c	29.76	-0.8	63	56	-2	NNW	4	c	3	c	75	58	—		
	Cuxhaven ...	29.86	63	SW	2	T	29.74	-3.2	64	63	+3	SW	4	0	*	T	65	61	0.04		
	Berlin ...	29.95	69	S	1	0	29.86	-2.9	68	64	+6	NNW	4	bc	*	0	77	62	—		
	Wiesbaden ...	30.13	66	E	2	*	29.96	-1.9	65	68	+5	W	1	0	*	*	75	54	—		
	Munich ...	30.13	66	E	2	*	30.14	-0.5	66	59	+5	SW	4	b	*	*	75	53	—		
	The Helder ...	29.80	64	SW	4	0	29.73	-1.5	62	57	+3	NNW	5	T	3	0	66	53	—		
	Brussels (9 a.m.)	*	*	*	*	*	29.70	-1.2	62	53	+2	SW	3	c	*	bc	71	53	0.12		
	Cape Gris Nez	29.87	62	NNW	6	0	29.86	-0.8	60	53	-2	W	5	c	5	0	63	53	—		
	Paris ...	30.02	74	SW	2	c	30.01	-1.1	67	61	+3	NNW	2	c	*	c	62	53	—		
	Brest ...	*	65	W	3	c	*	*	61	53	-1	NNW	2	c	2	c	68	57	—		
FRANCE AND BELGIUM.	Lorient ...	30.10	66	W	5	c	30.09	-0.6	62	53	-2	NNW	4	c	3	c	70	61	—		
	Rochefort ...	30.12	71	NNW	4	b	30.09	-0.9	65	63	-1	NNW	4	c	*	0, b	79	61	—		
	Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Lyons ...	30.07	77	N	1	b	30.07	-1.3	70	62	+6	ESE	1	bc	*	b	80	60	—		
	Nice ...	29.99	68	W	1	c	29.93	-0.2	76	65	+1	E	1	b	1	c	84	66	—		
	Perpignan ...	30.05	83	NNW	3	b	30.06	-0.8	77	64	+3	NNW	3	b	*	b	87	68	—		
	Biarritz ...	30.14	72	N	4	b	30.18	-0.8	69	65	+4	NNW	2	b	1	b	77	64	—		
	Corunna ...	29.98	75	NNW	6	b	29.97	-0.8	76	68	-7	NNW	4	b	*	b	90	70	—		
	Lisbon ...	29.98	75	NNW	6	b	29.97	-0.8	76	68	-7	NNW	4	b	*	b	90	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, 25th July, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

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MEAN HEIGHT OF THE BAROMETER

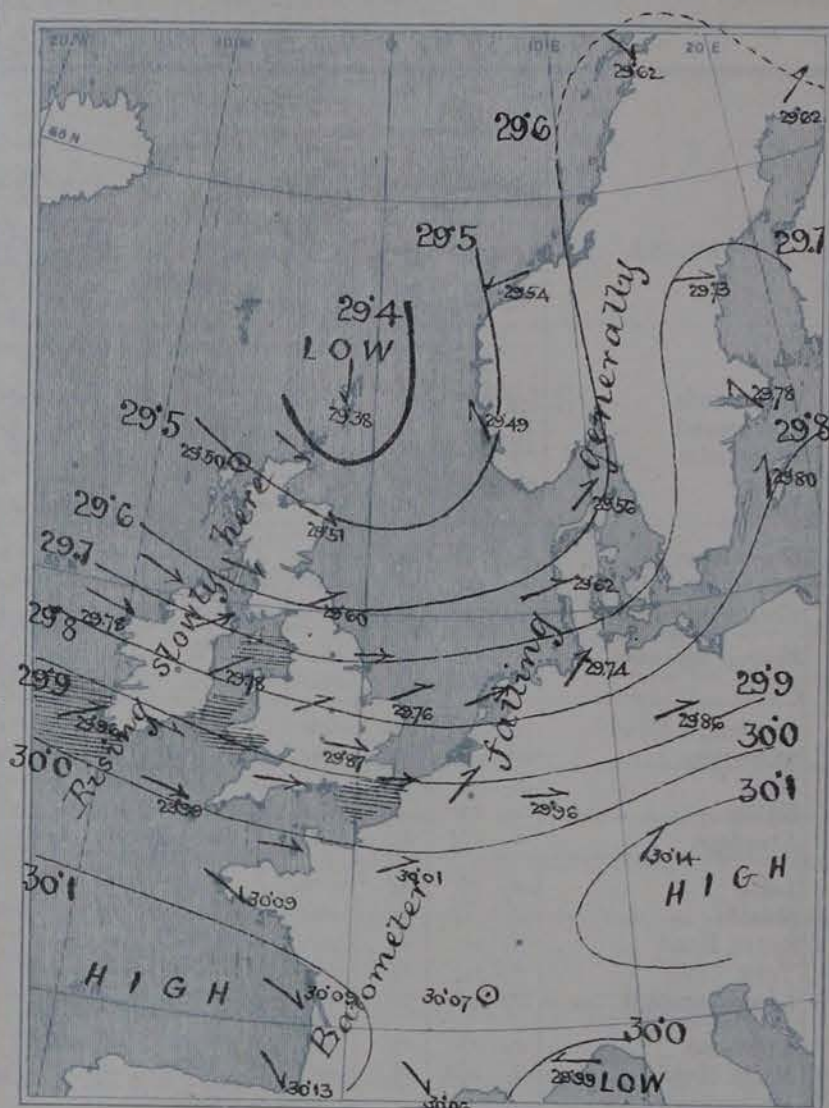
at 8.0 a.m. for the month of July.

During the 20 Years 1871–1890.

STATIONS.

MEAN READINGS.

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Stornoway	29.795
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Nairn	29.815
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Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.938
Scilly	29.974
Pravle Point	29.987
Jersey	30.001
Harst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

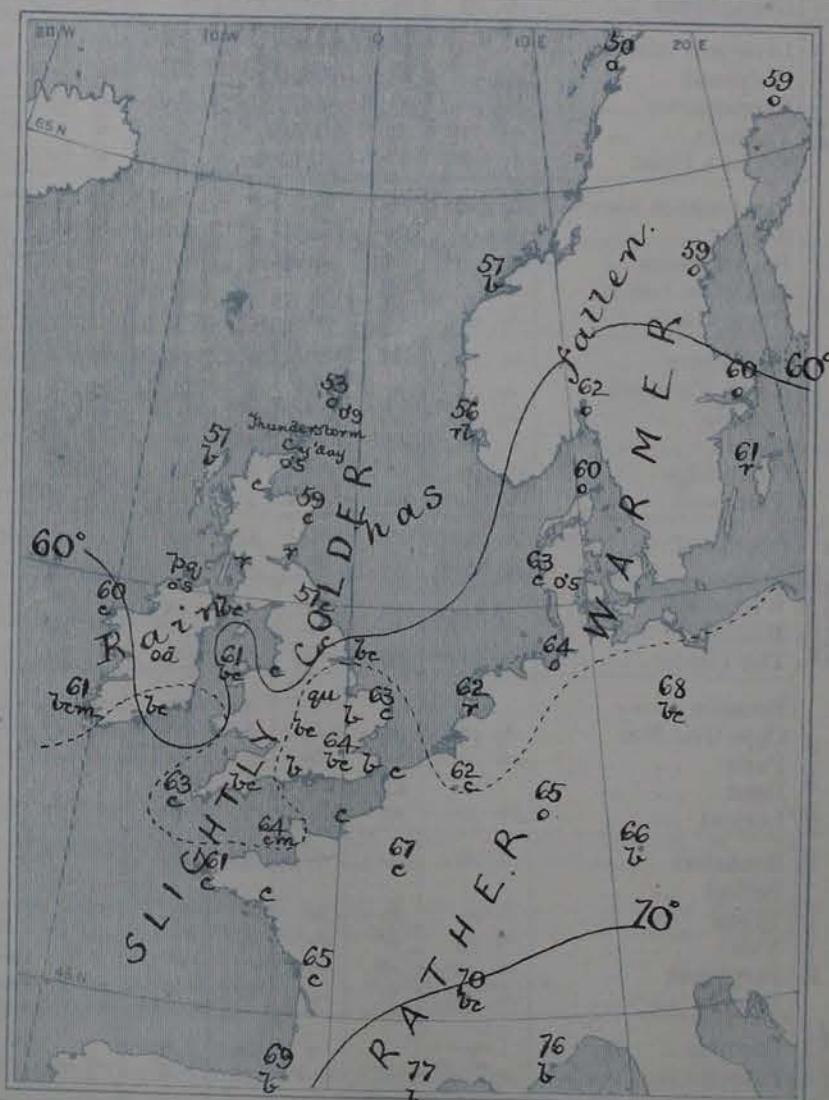
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	at 8 a.m. Dry	Wet	
Sumburgh Head	57.4	48.0	53.4	51.5	2.27
Stornoway	60.2	48.0	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.06
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.46
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	60.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Scilly	64.4	56.2	60.2	58.1	2.46
Pravle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.9	58.9	2.40
Harst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.9	57.8	2.85

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 ins: and more to 30.0 ins: (1) over the Bay of Biscay and coast of France, and (2) over Sweden and, south Germany, and the southeast of France.
Lowest, 29.4 ins: and less, in a depression lying over the Shetland Islands, and below 30 ins: over the Riviera.

It is falling decidedly over Scandinavia, changing irregularly over our Islands.

Gradients moderate, and mainly favourable for W. winds.

Barometer inclined to rise on our southern coasts.

TEMPERATURE

Highest, 77° at Bournemouth, 76° at Limerick and Nice, 70° at Lyons, 68° at Berlin, and 67° at Paris.

Lowest, 50° at Looe, 53° at Lumbury Hill, 56° at Wick and Malin Head, 57° at Shields.

The maxima yesterday varied from 70° to 75° in many parts of Great Britain, and ranged from 80° to 87° in the north of France. That at Lisbon was as high as 90°.

WIND

W. over the United Kingdom generally, moderate to fresh in Ireland, strong in some parts of England.

Over the Bay of Biscay it is moderate from NW.

It blew very strongly from W. over the eastern half of the Channel yesterday afternoon, and was fresh over our southern coasts generally.

WEATHER

Clear and bright over southern Europe generally, temporarily fine in many parts of our Islands and their neighbourhood, but very changeable; rain is falling in the south of Scotland and north of Ireland, and lightning prevails at St. Peter's.

Rain has fallen generally in the north and northwest - heavily at Lumbury Hill, and in considerable quantity at Wick and Malin Head.

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Showery and rather squally weather is still probable in several places, with bright intervals. The general condition is not settled.

FORECASTS

For the 24 hours ending at NOON on 26th July, 1893.

DISTRICTS.

FORECASTS.

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

Varying W. breezes; rain at times, bright intervals.

SW. to NW. breezes, fresh; gassy, fair as a whole, very fine at times.

DISTRICTS.

FORECASTS.



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

NW. breezes, fresh to moderate; showery to fair.

NW. and W. breezes; fair generally cool at night.

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. Dirac.	F.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.72	58	52	SE	2	o	3	Valencia ...	29.94	65	62	WdW	5	cm	5
Sumburgh Head ...	29.53	55	55	SE	2	7	4	Scilly ...	29.01	66	63	W	4	c	4
Stornoway ...	29.50	60	56	W	4	c	4	Jersey ...	30.04	68	65	W	4	cpm	4
Aberdeen ...	29.53	66	61	W	1	cp	1	Hurst Castle ...	29.83	68	66	WdW	6	cm	3
Shields ...	29.67	69	62	W	4	c	2	Dungeness ...	29.89	65	64	WdW	6	m	5
Ardrossan ...	29.63	60	56	W	3	cp	2	North Foreland ...	29.84	75	67	SW	5	bcg	3
Malin Head ...	29.63	61	57	WSW	6	b	4	London ...	29.87	74	64	W	5	c	*
Mullaghmore ...								Yarmouth ...	29.79	73	66	W	4	c	3
Belmullet ...	29.75	58	55	WdW	5	bcg	*	Rochefort ...	29.17	73	69	W	5	o	*
Holyhead ...	29.78	64	60	W	4	c	3								

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

Weather fair or fine over the greater part of our Islands, but showery in a few places; dull and misty over the Channel and north of France, rainy at Brussels and Münster. Fine over central and southern Europe generally, as well as over Central Russia, and at several of the Scandinavian and Danish stations. Rainy in Finland; dull over the southern parts of Russia and Italy. Rain falling during day at many of our own western and northern stations—heavily in the north of Scotland, with a thunderstorm at Wick; weather clearing over the English Channel.

Temperature fallen in the eastern and central countries, risen elsewhere. Morning readings highest 83° at Lisbon and Paris, 81° at Brindisi, 79° at San Fernando, and 78° at Barcelona and Trieste; above 70° over southern and eastern Europe generally, and above 65° in the southeast of England. Lowest, 53° at Sumburgh H., 55° at Christiansund, 56° at Skudenes, and 58° at Malin H., Münster, and Rzesow. Rising during day to between 70° and 75° in many parts of Great Britain, exceeding 80° over the southern parts of France, and reaching 90° at Lisbon.

Wind SW² over our Islands, light or moderate in force generally, but strong at some of the Channel stations. Light S³ over the Netherlands, SW³ or W³ over Germany, the Baltic, and the south of Sweden; variable over the northern part of Scandinavia. Light from N. or NW. in Austria, moderate from between N. and E. over Spain and Italy, W² over the Bay of Biscay. Subsequently veering to W. in most parts of Ireland and England; no important change occurring elsewhere.

Barometer highest 30.10 ins. to 30.25 ins. in an anticyclone covering the greater part of Germany, France, and Spain, with the Bay of Biscay. Lowest 29.5 ins. and less, in a small depression lying near Hornsund; 29.6 ins. and less, in a larger disturbance lying off the north of Scotland. Latter system subsequently spreading eastwards, and 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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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, 26th JULY. 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.	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 Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).	Weather.	Max.	Min.								
SCANDINAVIA.																					
Haparanda ...	29.74	57	SW	2	0	29.68	+0.6	58	58	-1	SW	4	7	1	0	61	54	0.20			
Hernösand ...	29.64	59	SE	4	0	29.57	-1.6	58	56	-1	SW	6	bc	1	0	62	48	0.25			
Stockholm ...	29.63	63	SE	4	0	29.76	-0.2	65	58	+5	SW	4	b	1	0	66	58	—			
Wishby ...	29.71	64	S	6	7	29.86	+0.6	63	58	-1	SW	4	b	1	7	72	53	0.04			
Bodö ...	29.72	50	N	2	6	29.64	+0.2	51	48	+1	NNE	2	0	1	b	52	48	—			
Christiansund...	29.47	53	NNE	4	C	29.49	-0.5	53	53	-2	NNE	1	f	3	C	64	52	—			
Skudesnaes ...	29.52	57	W	1	C	29.56	+0.7	55	54	+1	SE	4	0	4	C	63	52	—			
Christiania Fjord (Færd)	29.90	61	SW	9	0	29.60	+0.4	61	55	-1	W	5	b	4	0	63	57	0.02			
Skagen (The Seaw)	29.59	59	W	3	0	29.63	+0.7	59	55	-1	W	3	0	2	0	66	54	0.12			
Fanö ...	29.67	56	W	4	C	29.70	+0.8	60	57	-3	SW	6	C	1	bc	66	53	0.29			
Sumburgh Head	29.43	53	N	2	7	29.67	+2.5	52	50	-1	NNE	4	0	4	0, T	56	51	0.01			
Stornoway ...	29.59	57	N	2	0	29.68	+1.5	54	50	-3	N	4	0	4	bc	62	50	0.02			
Wick ...	29.56	55	W	2	0	29.77	+2.1	53	52	-1	N	5	0	2	0	62	52	0.10			
Nairn ...	29.57	60	W	1	C	29.78	+2.5	53	52	-2	N	2	0	2	0	65	53	0.19			
Aberdeen ...	29.57	56	W	1	C	29.72	+2.1	54	53	-5	NNE	4	0.79	3	bc	62	52	0.42			
Leith ...	29.59	64	W	2	C	29.75	+2.1	53	53	+3	W	2	0	1	C	67	53	0.01			
Shields ...	29.61	62	W	4	C	29.72	+1.2	53	53	+1	W	3	0	2	0, T	63	50	0.08			
Spurn Head ...	29.71	62	W	5	C	29.76	+0.6	60	56	0	W	4	bc	3	0, T	66	53	0.01			
York ...	29.70	62	W	4	C	29.77	+0.8	60	53	+1	W	3	bc	1	bc	65	53	—			
Loughborough	29.79	62	W	3	C	29.84	+0.5	58	53	-3	NNE	2	0	1	C	69	54	—			
Ardrossan ...	29.68	58	W	5	C	29.78	+2.5	57	53	-1	W	3	C	2	C	61	52	0.06			
Malin Head ...	29.72	59	W	5	C	29.88	+2.7	56	53	0	W	5	0	3	0, T	60	54	0.12			
Mullaghmore ...	29.88	60	W	4	0.01	29.83	+2.5	59	53	-1	W	5	bc	1	0.01	63	53	0.10			
Belmullet ...	29.75	61	W	3	0	29.84	+1.1	57	53	0	W	6	b	4	0	66	53	0.02			
Donaghadee ...	29.75	61	W	3	0	29.84	+1.1	57	53	0	W	6	b	4	0	66	53	0.02			
Liverpool (Bidston)	29.76	64	W	5	C	29.80	+0.6	56	54	-3	W	5	0	4	C	66	56	0.02			
Holyhead ...	29.78	64	W	2	C	29.86	+0.8	58	53	-3	W	5	C	4	C	67	53	—			
Parsonstown ...	29.85	62	W	1	0	29.99	+1.6	59	53	+2	W	1	C	1	C	67	52	—			
Valencia ...	29.00	61	W	5	0.01	29.08	+1.2	60	58	-1	W	4	C	4	0.01	62	56	0.04			
Roche's Point	29.95	62	W	3	C	29.02	+0.9	60	57	0	W	3	C	3	C	67	55	0.01			
Pembroke (St. Ann's Hd.)	29.87	62	W	5	C	29.92	+0.3	58	54	-1	W	4	bc	5	bc	64	57	—			
Scilly ...	29.00	62	W	4	C	29.98	-0.1	61	58	-2	W	4	C	4	C	64	57	0.05			
Prawle Point ...	29.95	60	W	5	C	29.93	-0.2	60	59	0	W	4	bc	3	0, T	61	56	0.01			
Jersey (St. Aubin's)	29.00	65	W	4	C	29.97	-0.5	63	59	-1	W	4	0.89	3	bc	68	59	0.03			
Hurat Castle ...	29.90	66	W	7	C	29.98	-0.5	64	63	0	W	6	C	3	C	68	59	—			
Dungeness ...	29.84	64	W	6	C	29.88	-0.1	65	61	0	W	5	C	4	bc	68	58	—			
North Foreland	29.82	65	W	5	C	29.82	-0.1	63	59	-1	W	2	C	2	C	71	56	—			
London ...	29.83	67	W	3	C	29.88	-0.2	63	58	-1	W	1	0	1	C	71	55	—			
Oxford ...	29.86	61	W	3	0	29.88	0.0	57	57	-4	W	4	T	1	C	68	53	0.01			
Cambridge ...	29.80	68	W	6	C	29.82	0.0	53	57	-3	W	1	C	1	C	71	57	0.01			
Yarmouth ...	29.77	67	W	4	C	29.79	+0.3	63	58	0	W	3	C	2	C	69	56	—			
Cuxhaven ...	29.81	60	W	3	C	29.84	+1.0	59	58	-5	SW	3	bc	1	bc	65	57	0.24			
Berlin ...	29.88	70	W	3	C	29.94	+0.8	65	60	-3	W	1	C	1	C	77	57	—			
Wiesbaden ...	29.01	70	W	1	C	29.97	+0.1	64	60	-1	W	1	bc	1	bc	75	64	—			
Munich ...	29.01	70	W	1	C	29.06	-0.1	61	60	-5	W	3	0	1	bc	72	59	0.12			
The Helder ...	29.82	64	W	5	C	29.84	+0.5	62	62	0	W	3	bc	2	C	66	61	0.04			
Brussels (9 a.m.)	29.86	64	W	5	C	29.92	+0.2	60	57	-2	SW	4	0	1	bc	71	54	—			
Cape Gris Nez	29.95	70	W	2	C	29.94	-0.2	60	57	0	W	5	T	1	C	64	59	—			
Paris ...	29.95	70	W	2	C	29.00	-0.1	60	57	-7	SW	2	C	1	C	76	57	—			
Brest ...	29.07	66	W	3	C	29.07	0.0	61	60	0	W	2	0	1	C	70	53	—			
Lorient ...	29.07	64	W	5	C	29.03	-0.6	62	58	0	W	4	C	2	C	68	59	—			
Rocheport ...	29.06	68	W	4	C	29.04	-0.5	65	62	0	NNE	2	C	1	bc	73	53	—			
Belfort ...	29.07	74	W	2	C	29.07	0.0	62	57	-1	W	3	bc	1	bc	80	57	—			
Lyons ...	29.97	77	W	1	C	29.99	-0.1	69	61	-1	W	1	bc	1	bc	86	60	—			
Nice ...	29.93	75	W	1	C	29.89	-0.1	75	53	-1	W	1	bc	1	bc	86	60	—			
Perpignan ...	29.00	82	W	3	C	29.01	-0.5	73	64	-4	W	2	bc	1	bc	89	69	—			
Biarritz ...	29.10	71	W	3	C	29.08	-0.5	65	63	-4	W	2	0	2	C	75	61	—			
Corunna ...	29.95	72	W	5	C	29.94	-0.3	73	63	-3	W	4	bc	1	bc	80	60	—			
Lisbon ...	29.95	72	W	5	C	29.94	-0.3	73	63	-3	W	4	bc	1	bc	80	60	—			

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, 26th July, 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

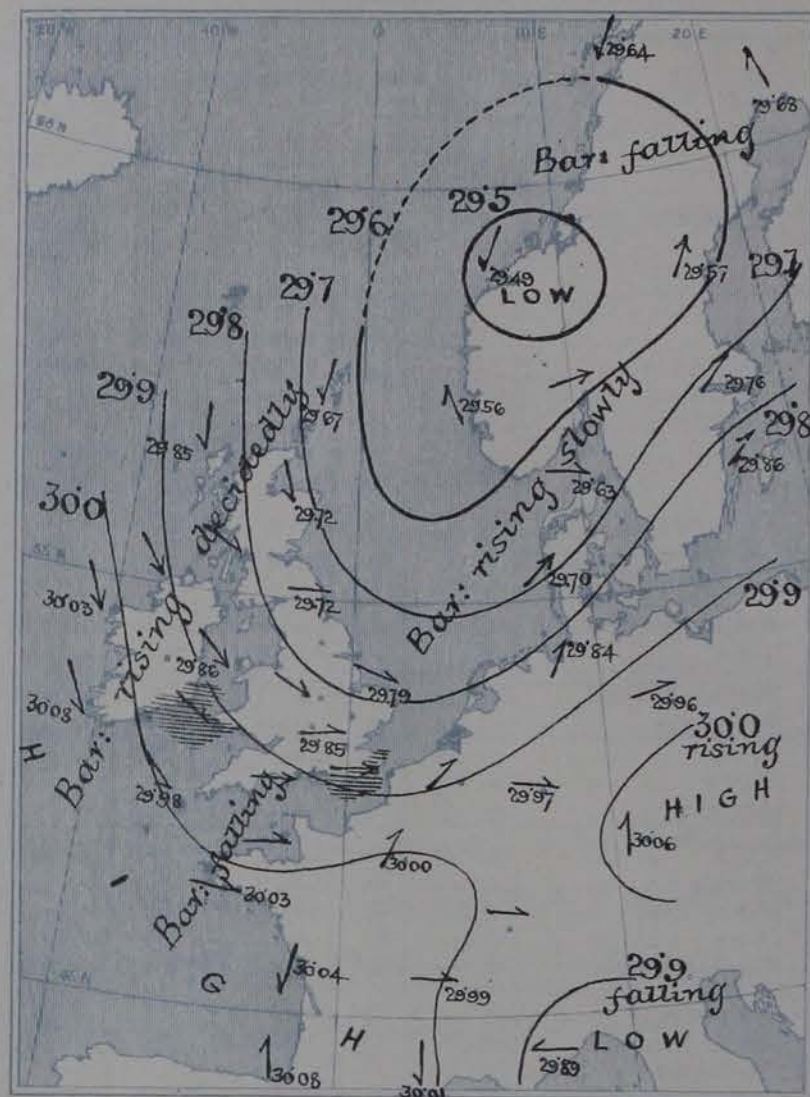
at 8 a.m. for the month of July.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.807
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrassan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Rocha's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.998
Dover	29.937
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

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

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrassan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.90
Rocha's Point	66.1	53.2	58.8	55.9	3.20
Pembroke	62.5	54.8	58.0	56.0	2.54
Scilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.0	57.8	2.85

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 more (1) over the Bay of Biscay and adjacent parts of France and Spain, with the coast of Ireland; also over South Germany and Switzerland.
 Lowest, 29.5 ins: and less, to 29.6 ins: in a depression over Norway and Sweden.

Gradients moderate—somewhat irregular but mainly favourable for NW³ to N³ winds over our Islands.

Barometer rising very decidedly in the north and west, falling slightly in the southeast.

TEMPERATURE

Highest, 75° at Nice, 73° at Lisbon and Perpignan, and above 60° at most of the Continental stations, and in the south of our Islands.

Lowest, 51° at Bodo, 52° at Lumburg H^d, 54° at Stromsøy and Aberdeen.

The maxima recorded in our Islands yesterday were below 70° except over our southeastern coasts, but a reading of 77° was recorded at Berlin, 76° at Paris, 82° at Munich, 86° at Nice, and 85° at Perpignan.

WIND

N³, light in the north of Norway; N¹ to NW³, moderate in Scotland; NW³ fresh to strong over Ireland; W³ strong to fresh over the eastern half of the English Channel; SW³ over the eastern side of the North Sea and in Sweden.
 It is apparently decreasing in force in the Channel.

WEATHER

Fine in Ireland, changeable over Great Britain, with showers in some places, thunder at Cambridge. At many of the best stations it is cloudy, but at Nice, Perpignan and Lisbon very fine and bright.

Showers fell yesterday at all our western and northern stations, and at a few of those in the south, as well as at Cuxhaven and Munich.

SEA

Rather rough at Pembroke and C. P. Key, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

After a few showers over England today the weather will probably clear up, and tonight is likely to be very cool inland.

FORECASTS

For the 24 hours ending at NOON on 27th July, 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | } N ³ breezes, moderate; showery to fair. Colder. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | } NW ³ breezes, moderate or fresh; changeable, some showers. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | } NW ³ breezes, moderate, thundershowers at times. Cold tonight. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----------|---------------|--|
| 6 | SCOTLAND WEST | } NW ³ and N ³ winds, fresh to moderate; some showers then fair. Cold tonight. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| WARNINGS | | None issued. |

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudeanaes ...	29. 57	61	57	SW	4	c	4	Valencia ...	29. 9A	60	58	W	5	c	5
Sumburgh Head ...	29. 59	58	54	N	2	o	4	Scilly ...	30. 00	63	60	W	4	c	4
Stornoway ...	29. 53	60	58	N	4	bc	4	Jersey ...	30. 03	60	61	SW	3	bc	3
Aberdeen ...	29. 52	60	56	NNE	1	c	1	Hurst Castle ...	29. 91	66	62	W	7	c	5
Shields ...	29. 58	58	56	W	6	o	2	Dungeness ...	29. 86	65	62	W	6	bc	5
Ardrossan ...	29. 62	60	57	W	5	c	4	North Foreland ...	29. 82	66	59	W	5	c	2
Malin Head ...	29. 69	58	53	WN	6	o	4	London ...	29. 85	65	58	W	3	o	2
Mullaghmore ...								Yarmouth ...	29. 77	64	58	W	4	c	2
Behnullet ...	29. 84	63	59	W	2	c	2	Rochefort ...	30. 03	72	66	WN	4	bc	2
Holyhead ...	29. 78	63	58	SW	4	c	3								

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

Weather fine in many parts of the United Kingdom, but rainy in the south of Scotland and showery in the north of Ireland. Fine and bright over the greater part of France, Austria, and southern Europe, but dull in most of the northern and eastern countries, with rain in a few places and with lightning at Skudeneas. Showers falling during day in many parts of the United Kingdom, and considerable quantities of rain at some of the Scandinavian and Danish stations, with thunder at Tanö.

Temperature fallen in our Islands and also in Russia and Italy, risen in most other countries. Morning readings highest 86° at Rhindere, 81° at San Fernando and Cagliari, above 75° at most of the Mediterranean stations, and above 70° over southern Europe generally. Lowest 50° at Bodo, 53° at Sumburgh H. and 56° at Skudeneas, Wick, Leith and Malin H. Rising during day to a little above 70° over the southern parts of England, and to 80° or more over the southern parts of France and Germany, the highest reading of all being 89° at Perpignan.

Wind W over our Islands and fresh or strong in force on many parts of our western and southern coasts. SW over Denmark, the Netherlands, and the greater part of Germany, S over Poland, the Baltic, and Finland; SE over the southern parts of Scandinavia, variable over the north of Scandinavia. Variable over Italy, Austria, and the southern parts of Russia. E or NE in Spain, NW in the west of France. Subsequently veering to the NW in the west of our Islands, no important change occurring elsewhere.

Barometer highest 30.00 in: to 30.15 in an anticyclone covering a considerable portion of central and southern Europe, and extending eastwards over the more central parts of Russia. Lowest 29.4 in: and less, in a depression lying off the north of Scotland; 29.9 in: and less, in a shallow system lying to the southward of Italy. Depression in north subsequently moving eastwards, and barometer rising in nearly 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.

* 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, 27th JULY. 1893

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

METEOROLOGICAL OFFICE, 55, VICTORIA STREET, LONDON. R. A. 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.		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.
		Inch.	°				Inch.	°	°	°						°	°	Inch.		
SCANDINAVIA.	Haparanda ...	29.75	57	SW	4	b	29.88	+1.13	58	57	0	SW	4	o	*	b	60	55	0.01	
	Hernösand ...	29.71	55	S	6	b	29.82	+1.11	56	54	-2	SW	4	bc	*	b	60	52	—	
	Stockholm ...	29.63	61	S	4	b	29.70	+1.07	66	53	+1	SW	4	b	*	b	72	52	0.04	
	Wisby ...	29.55	62	SW	4	b	29.62	+1.07	66	62	+3	NNW	2	b	*	b	70	53	—	
	Bodö ...	29.65	50	NNE	4	T	29.84	+1.19	49	47	-2	NW	2	o	1	T	55	46	—	
	Christiansund...	29.82	51	N	2	f	29.83	+1.01	51	49	-4	NW	1	f	3	f	52	48	0.02	
	Skudesnaes ...	29.75	57	NNW	2	c	29.94	+1.19	58	53	+1	NNW	6	c	2	o.c	63	55	—	
	Christiania Fjord (Fæder)	29.73	61	SW	5	bc	29.91	+1.18	62	57	+1	SW	4	b	2	bc	62	61	—	
	Skagen (The Scaw)	29.76	53	N	2	c	29.92	+1.16	57	53	-2	NNW	2	bc	1	c	66	54	0.16	
	Fanö ...	29.86	60	NNW	4	bc	29.95	+1.09	60	58	0	N	5	c	*	bc	68	57	0.05	
ISLANDS.	Sumburgh Head	29.89	53	NNW	4	c	29.89	+1.00	52	48	0	N	1	o	3	o.c	57	47	0.03	
	Stornoway ...	29.01	58	NW	4	bc	29.19	+1.18	58	55	+2	N	0	bc	2	o.c	63	42	—	
	Wick ...	29.02	58	N	2	c	29.18	+1.16	53	52	-2	N	1	o	1	c	58	41	0.10	
	Nairn ...	29.00	58	SW	1	c	29.16	+1.16	53	51	0	N	0	c	1	c	63	50	0.02	
	Aberdeen ...	29.98	53	NNW	4	cq	29.19	+1.21	53	49	-1	NNW	2	bc	3	q, bcq	59	47	0.02	
	Leith ...	29.96	61	ESE	1	o	29.18	+1.22	53	52	0	NNE	1	c	*	o	65	47	—	
	Shields ...	29.93	53	N	2	c	29.17	+1.24	53	54	+1	N	2	c	3	o.c	63	46	—	
	Spurn Head ...	29.92	53	NNE	4	cV	29.12	+1.20	58	53	-2	NNW	4	bc	4	bc	64	53	0.02	
	York ...	29.94	61	NW	2	c	29.17	+1.23	56	52	-4	NNW	2	b	*	c	71	51	0.01	
	Loughborough	29.94	60	NNW	2	c	29.18	+1.24	53	54	+1	N	2	c	*	tl, c	68	52	0.03	
BRITISH ISLANDS.	Ardrossan ...	29.97	63	NNW	2	bc	29.17	+1.20	58	53	+1	S	1	om	1	bc	65	49	—	
	Malin Head ...	29.05	58	NNW	4	b	29.19	+1.14	53	53	+3	N	1	o	1	b	59	54	—	
	Mullaghmore ...	29.16	53	NW	2	o	29.21	+1.05	53	53	-1	NNW	2	o	*	c, o	62	53	0.02	
	Belmullet ...	29.04	61	NNW	6	b	29.18	+1.14	53	53	+1	NNW	5	b	3	b	64	53	—	
	Donaghadee ...	29.97	62	NNW	4	b	29.19	+1.22	52	52	-2	SE	1	T	1	b	64	53	0.06	
	Liverpool (Bidston)	29.01	58	NNW	3	b	29.17	+1.16	53	53	0	NNW	2	cq	2	bc, b	66	53	—	
	Holyhead ...	29.09	63	NW	1	bc	29.22	+1.13	53	53	-4	N	0	o	*	bc, o	68	47	0.04	
	Valencia ...	29.18	63	NNW	4	bcq	29.26	+1.08	60	56	0	N	1	or	1	cq, bcq	63	53	—	
	Roche's Point	29.10	65	NW	2	b	29.23	+1.13	58	56	-2	NW	1	c	2	b	66	54	—	
	Pembroke (St. Ann's Hd.)	29.05	62	NW	2	bc	29.20	+1.15	53	53	+1	NNW	3	bc	2	bc	64	54	—	
GERMANY & HOLLAND.	Scilly ...	29.09	64	NW	4	bc	29.20	+1.11	62	53	+3	N	2	b	3	bc	64	57	—	
	Prawle Point ...	29.02	62	NNW	4	bc	29.21	+1.19	63	59	+3	NE	3	b	2	bc	64	52	0.04	
	Jersey (St. Aubin's)	29.00	65	NNW	4	b	29.14	+1.14	60	60	+2	NW	4	bc	3	bc, b	67	58	0.01	
	Hurst Castle ...	29.95	65	NNE	4	c	29.15	+1.20	60	59	-4	NNE	2	cm	2	bc, c	71	53	—	
	Dungeness ...	29.89	64	NW	2	bcq	29.07	+1.22	60	57	-3	NNE	4	c	3	bc, bcq	70	53	0.01	
	North Foreland	29.89	61	NW	1	ot	29.08	+1.26	61	56	-2	N	4	bcq	4	bc, ot	65	54	0.23	
	London ...	29.92	64	NNW	2	c	29.14	+1.22	60	53	-3	NNE	2	c	*	bc, bc	70	56	0.07	
	Oxford ...	29.98	60	NNW	2	c	29.15	+1.17	53	53	+1	NNE	1	c	*	c	68	54	0.05	
	Cambridge ...	29.92	59	NNW	1	t	29.15	+1.23	53	53	0	NNW	3	bc	*	bc	65	52	0.22	
	Yarmouth ...	29.88	62	NW	2	c	29.07	+1.21	60	56	-3	NNW	4	c	3	bc	67	56	—	
FRANCE AND BELGIUM.	Cuxhaven ...	29.90	60	N	2	bc	29.01	+1.17	60	59	+1	N	1	b	*	bc	67	53	0.03	
	Berlin ...	29.91	72	SW	1	c	29.95	+1.04	66	61	+1	E	2	c	*	c	79	64	—	
	Wiesbaden ...	29.97	66	SW	2	o	29.97	0.00	64	59	0	N	0	o	*	o	72	57	—	
	Munich ...	29.99	66	SW	2	o	29.98	-0.01	64	62	+3	NNE	2	c	*	o	73	59	0.16	
	The Helder ...	29.99	66	SW	2	o	29.98	-0.01	64	62	+3	NNE	2	c	*	o	73	59	0.16	
	Brussels (9 a.m.)	29.88	64	N	2	bc	29.02	+1.10	53	53	-5	NNW	2	T	*	o	68	50	0.47	
	Cape Gris Nez	29.97	63	NW	2	T	29.06	+1.06	58	56	-2	NNE	4	o	4	bc	66	53	0.16	
	Paris ...	29.97	63	NW	2	T	29.06	+1.06	58	56	-2	NW	1	b	*	T	72	53	—	
	Brest ...	29.97	63	N	2	b	29.06	+1.06	58	56	-2	NNE	3	c	2	b	72	53	—	
	Lorient ...	29.97	63	NW	4	bc	29.15	+1.12	58	57	-4	NNW	4	b	2	bc	70	57	—	
PENINSULA.	Rocheport ...	29.99	68	NNW	4	c	29.06	+1.02	60	58	-3	NE	4	b	*	o.c	70	57	—	
	Belfort ...	29.97	68	SW	1	c	29.06	+1.02	60	59	-2	N	1	T	*	c	70	58	—	
	Lyons ...	29.94	68	N	2	o	29.97	-0.03	62	55	-7	N	3	o	*	o	79	53	—	
	Nice ...	29.90	76	SW	1	bc	29.90	-0.05	72	65	-3	E	4	bc	2	o	81	63	—	
	Perpignan ...	29.92	72	N	2	o	29.95	-0.06	69	62	-4	NW	3	o	*	o	82	65	—	
	Biarritz ...	29.92	69	SW	2	o	29.95	-0.03	63	61	-2	NE	2	bc	3	o	77	61	0.24	
	Corunna ...	29.93	68	N	2	bc	29.09	+1.16	75	66	+2	N	2	b	*	bc	81	66	—	
	Lisbon ...	29.93	68	N	2	bc	29.09	+1.16	75	66	+2	N	2	b	*	bc	81	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 Thursday, 27th July, 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:

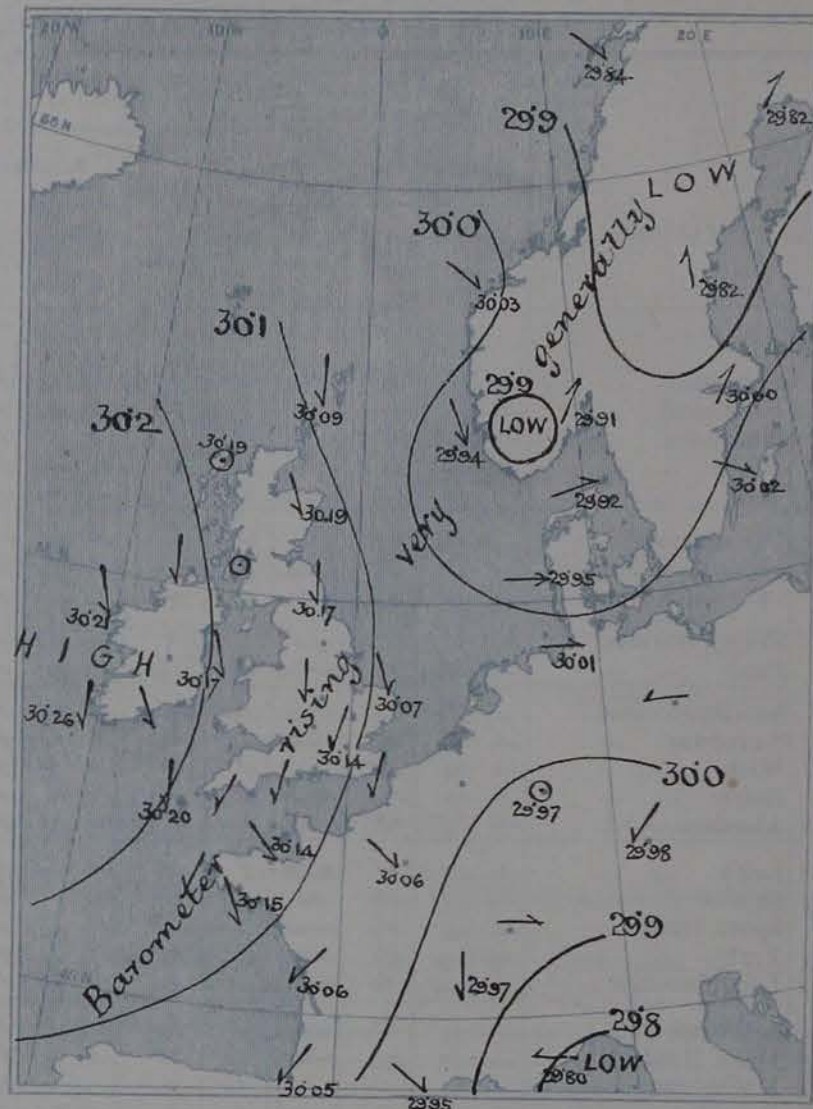
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.800
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.860
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Princely Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER—is shown by letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	57.4	48.0	53.4	51.5	2.27
Stornoway	60.2	48.9	55.5	53.0	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.30
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.0	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	53.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.0	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.06
Valencia	64.0	53.0	58.9	56.4	3.90
Roche's Point	60.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Scilly	64.3	50.2	60.2	58.1	2.46
Princely Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.10
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	60.8	56.3	61.0	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	56.4	60.0	56.6	2.68
Cambridge	71.0	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.0	57.8	2.85

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, 30.2 ins: and more to 30.0 ins: in the eastern part of an anticyclone, spreading in from the Atlantic, over the British Islands, the North Sea, the west of France and the north of Spain.

Lowest, 29.8 ins: and less, over the Gulf of Genoa; 29.9 ins: and less, over the northern parts of Norway and Sweden, and also in a small secondary disturbance near Flanders.

Gradients slight over our Islands, and the distribution of pressure anticyclonic. Barometer rising generally, most in the north and east.

TEMPERATURE

Highest, 75° at Lisbon, 72° at Nice, 69° at Perpignan, 66° at Berlin, Wiesbaden and Stockholm.

Lowest, 49° at Lilloe, 52° at Lumburg Ht., 53° at Wick, 54° at Liverpool, 55° at Pauwstadt.

The maxima recorded yesterday exceeded 70° at the inland and southern stations in England, and touched 79° at Berlin and Lyons, 81° at Lisbon.

WIND

N¹ over the United Kingdom generally, NE² in the southwest of France, E² at Nice. It is very light at the Irish stations, moderate over the Irish Channel, and rather brisk on our extreme eastern coasts.

In Sweden the wind is SW¹ to S³.

WEATHER

Fine and dry over our Islands as a whole, but dull at several of our northwestern stations and in both Germany; rain at Belfast. Thunderstorms occurred very generally over the midland, eastern, and south-eastern parts of England yesterday, but the amounts of rainfall were not large; showers fell in many other places.

SEA

Moderate on our east coast and in the Straits of Dover, slight & smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather is likely to become still finer and brighter during the coming day. The night will probably be very cool over England. General appearance is settled.

FORECASTS

For the 24 hours ending at NOON on 28th JULY, 1893.

DISTRICTS.

FORECASTS.

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

N² breezes, moderate or light;
fine, cold at night.

DISTRICTS.

FORECASTS.

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

N² airs and light breezes, calm inland; fine, cold tonight.

WARNINGS

None issued.

Notes.—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 ...	29.65	63	57	WNW	2	0	3	Valencia ...	30.14	62	57	WNW	4	cq	4
Sumburgh Head ...	29.80	54	52	NNE	4	0	4	Scilly ...	30.04	63	57	WNW	4	bc	4
Stornoway ...	29.35	55	53	NNE	4	0	4	Jersey ...	29.97	66	61	WNW	4	bc	3
Aberdeen ...	29.85	56	53	WNW	4	cq	4	Hurst Castle ...	29.90	69	63	NW	3	bc	2
Shields ...	29.87	63	56	N	3	0	2	Dungeness ...	29.86	63	60	NW	3	c	3
Ardrossan ...	29.89	64	59	WNW	3	bc	2	North Foreland ...	29.85	57	53	NW	3	T	3
Malin Head ...	30.01	58	54	WNW	4	b	3	London ...	29.87	66	54	WNW	2	c	*
Mullaghmore ...								Yarmouth ...	29.84	61	57	SE	3	c	2
Belmullet ...	30.12	61	57	WNW	4	c	*	Rochefort ...	30.01	70	64	WNW	2	0	*
Holyhead ...	29.96	60	56	WNW	3	bc	3								

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

Weather fine at most of the Irish stations, but cloudy over Great Britain, with showers in places, and with thunder at Cambridge. Rainy in Lapland and Finland, dull in the west of Norway, with fog at Christianund; fine in most parts of the Continent but cloudy in the west and north of France. Showers falling during day in many parts of Western Europe, with thunderstorms at several of the English stations.

Temperature fallen excepting in Austria and the south of Russia. Morning readings highest 83° at Brindisi, 82° at Toulon and Ispah, 75° at Liphorn, and 78° at Trieste and Langunair; above 70° in most part of Southern Europe, and above 65° at some of the central stations. Lowest 51° at Bodo, 52° at Lumburgh 11th, 54° at Stornoway and Aberdeen, and 55° at Wick and Skun; below 60° in all but the southern and southeastern parts of the United Kingdom. Rising during day to 70° or a little more at some of our own central and southern stations, exceeding 75° over the southern parts of France, and reaching 81° at Nice and 82° at Perpignan.

Wind moderate to fresh from the N^W in the north of Scotland, from the N^W on our western coasts, from the W^W over the greater part of England, from the S^W over the Netherlands, Denmark, North Germany, the Baltic, and the south of Sweden, and from the S^E in Lapland; light from the N^E in the west of Norway. Variable in Austria and the south of Russia. N^W or N^W in Italy. Variable in the south of France; E^W or N^E in Spain. Subsequently veering to the N^W or N^W over the greater part of England and France.

Barometer highest 30.0 in: and upwards in an anticyclone lying over the southwest of Ireland, the Bay of Biscay, the north of Spain, and the greater part of France, as well as in another system of irregular form lying over Russia. Lowest 29.5 in: and less in a depression over the west of Norway; 29.9 in: and less, in three or four very shallow disturbances lying over various parts of the Mediterranean and Adriatic. Small secondary disturbances moving southwards across England during day, but barometer rising over the United Kingdom 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.

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, 28th July,

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.	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 ...	29.86	54	Z	0	bc	30.04	+2.1	55	53	-3	NE	4	0	#	bc	64	54	-		
	Hernösand ...	30.05	57	W	2	b	30.13	+3.1	55	49	-1	NW	2	0	#	b	66	52	-		
	Stockholm ...	30.10	63	Z	0	c	30.13	+1.3	61	60	-5	Z	0	#	c	73	55	0.04			
	Wisby ...	30.10	65	E	2	bc	30.11	+0.9	65	63	-1	SSW	2	#	bc	72	57	0.04			
	Bodö ...	30.08	46	W	2	o	30.16	+3.2	48	44	-1	SW	2	c	#	o	52	45	-		
	Christiansund...	30.17	52	NNE	2	c	30.17	+1.4	52	48	+1	NE	3	f	2	c	55	50	-		
	Skudesnaes ...	30.08	56	NW	6	c	30.15	+2.1	55	51	-3	NW	6	0	2	c	59	54	-		
	Christiania Fjord (Færdler)	30.05	62	S	2	b	30.07	+1.6	61	59	-1	ENE	2	0	1	b	64	59	0.28		
	Skagen (The Scaw)	30.04	61	NW	1	o	30.08	+1.6	62	56	+5	W	1	0	0	o	66	55	-		
	Fanö ...	30.08	59	NW	4	c	30.17	+2.2	59	52	-1	NW	4	c	#	c	66	55	-		
BRITISH ISLANDS.	Sumburgh Head	30.19	52	NW	2	o	30.16	+0.7	53	50	+1	Z	0	c	1	o	54	48	-		
	Stornoway ...	30.17	57	SW	3	o	30.06	-1.3	56	55	0	SW	4	#	4	o	59	51	0.02		
	Wick ...	30.23	55	E	1	b	30.13	-0.5	57	56	+4	SE	2	0	1	b	59	50	0.01		
	Nairn ...	30.17	59	ENE	1	b	30.11	-0.5	55	54	0	Z	0	0	1	b	63	42	0.03		
	Aberdeen ...	30.25	54	SE	2	c	30.17	-0.2	58	54	+5	SSW	2	bc	2	c	60	47	-		
	Leith ...	30.20	62	ESE	1	bc	30.19	+0.1	55	52	-4	Z	0	om	#	bc	63	46	-		
	Shields ...	30.23	59	NNE	3	b	30.21	+0.4	59	55	0	SW	3	c	3	b	60	45	-		
	Spurn Head ...	30.22	57	H	4	bv	30.27	+1.5	59	54	+1	SE	2	bv	3	bv	62	52	-		
	York ...	30.23	61	H	1	c	30.25	+1.1	54	52	-2	ESE	1	c	#	c	66	45	-		
	Loughborough	30.23	65	NE	2	c	30.30	+1.2	54	52	-5	SE	1	c mw	#	c	69	45	-		
GERMANY & HOLLAND.	Ardrossan ...	30.19	61	SW	1	b	30.16	-0.1	59	55	+1	E	1	om	1	b	65	50	-		
	Malin Head ...	30.21	58	ESE	2	o	30.15	-0.4	57	56	-2	NW	3	od p	2	o	63	56	-		
	Mullaghmore ...	30.21	62	SSW	2	o	30.25	+0.4	61	58	+3	NW	2	0	#	o	64	55	0.03		
	Belmullet ...	30.23	59	SE	4	c	30.20	+0.2	59	58	+1	SSW	3	m	1	c	62	57	-		
	Donaghadee ...	30.23	59	SE	4	c	30.20	+0.2	59	58	+1	SSW	3	m	1	c	62	57	-		
	Liverpool (Bldston)	30.22	64	Z	0	b	30.24	+0.5	58	55	+4	SE	1	0	0	b	67	42	-		
	Holyhead ...	30.22	61	NW	1	c	30.23	+0.6	60	57	+2	SSW	2	cw	2	b.c	66	52	-		
	Parsonstown ...	30.21	67	Z	0	o	30.21	-0.2	61	59	+6	SW	1	om	#	o	69	54	-		
	Valencia ...	30.26	58	S	3	op	30.29	+0.3	61	58	+1	H	4	0	#	ov. op	63	56	0.07		
	Roche's Point	30.27	61	WSW	2	c	30.27	+0.4	60	59	+2	SW	1	f	2	c	66	57	-		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.23	58	NW	2	bc	30.26	+0.6	62	59	+3	S	1	bc	0	bc	63	55	-		
	Seilly ...	30.26	64	NNE	2	bc	30.27	+0.7	64	60	0	ESE	3	b	2	b.bc	68	58	-		
	Prawle Point ...	30.22	65	SW	3	bc	30.29	+0.8	62	59	-1	SW	1	c	1	bc	67	55	-		
	Jersey (St. Aubin's)	30.21	66	NW	3	bm	30.30	+1.6	67	62	+2	Z	0	b	0	bm	71	51	-		
	Hurst Castle ...	30.21	65	WSW	3	bc	30.28	+1.3	65	63	+5	SSW	2	bm	1	bc	71	58	-		
	Dungeness ...	30.18	63	ENE	2	c	30.28	+2.1	60	56	0	NNE	2	bc	1	c	68	48	-		
	North Foreland	30.19	60	H	4	c	30.28	+2.0	60	55	-1	H	2	b	3	cq	63	55	-		
	London ...	30.21	66	H	2	bc	30.30	+1.6	60	54	0	NE	1	bmw	#	c.bc	69	48	-		
	Oxford ...	30.23	59	ENE	1	b	30.29	+1.2	58	55	0	SE	1	0	#	b	69	51	-		
	Cambridge ...	30.22	63	H	1	b	30.31	+1.6	56	54	-3	NW	1	b	#	b	65	44	-		
PENINSULA.	Yarmouth ...	30.19	63	H	4	bc	30.27	+2.0	59	54	-1	NW	2	c	2	c.bc	64	51	-		
	Cuxhaven ...	30.13	59	H	3	bc	30.22	+2.1	60	57	0	H	3	bc	#	bc	63	58	-		
	Berlin ...	30.02	66	NW	4	o	30.08	+1.3	64	60	-2	NW	5	c	#	o	70	61	0.16		
	Wiesbaden ...	#	#	#	#	#	30.13	+1.6	64	59	0	H	2	0	#	#	70	55	-		
	Munich ...	30.04	58	W	4	o	30.08	+1.0	59	59	-5	W	1	0	#	o	73	57	-		
	The Helder ...	30.22	59	H	3	c	30.30	+1.0	60	53	-	NNE	1	c	1	c	63	57	0.51		
	Brussels (9 a.m.)	#	#	#	#	#	30.26	+2.4	60	57	+5	NNE	2	c	#	o	69	54	0.08		
	Cape Gris Nez	30.16	60	NE	4	c	?	?	59	57	+1	NE	3	c	3	c	66	55	-		
	Paris ...	30.13	66	NW	3	c	30.25	+1.9	57	54	-1	NW	2	0	#	c	72	54	-		
	Brest ...	?	65	H	4	b	?	?	57	57	-4	NE	1	b	1	b	68	52	-		
PENINSULA.	Lorient ...	30.18	68	H	4	bc	30.29	+1.4	59	56	+1	ENE	3	b	2	bc	73	55	-		
	Rochefort ...	30.08	69	NW	5	b	30.20	+1.4	59	58	-1	ENE	4	b	#	b	73	55	-		
	Belfort ...	?	61	W	1	o	?	?	59	57	-1	W	1	o	#	o	63	56	0.24		
	Lyons ...	30.01	64	H	1	c	30.02	+0.5	60	55	-2	H	5	bc	#	c	69	54	0.04		
	Nice ...	29.76	69	E	4	o	29.78	-0.2	64	59	-8	Z	0	c	2	o	77	57	0.98		
PENINSULA.	Perpignan ...	29.94	75	W	3	c	29.97	+0.2	67	56	-2	NW	5	o	#	c	79	64	-		
	Biarritz ...	30.14	68	NW	4	c	30.14	+0.9	65	59	+2	NE	3	b	2	c	72	57	-		
	Corunna ...	29.89	#	#	#	#	30.00	+1.1	78	61	+9	NE	5	b	#	#	90	73	-		
PENINSULA.	Lisbon ...	29.89	79	H	5	b	30.00	+1.1	78	61	+9	NE	5	b	#	#	90	73	-		

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, 28th July, 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:

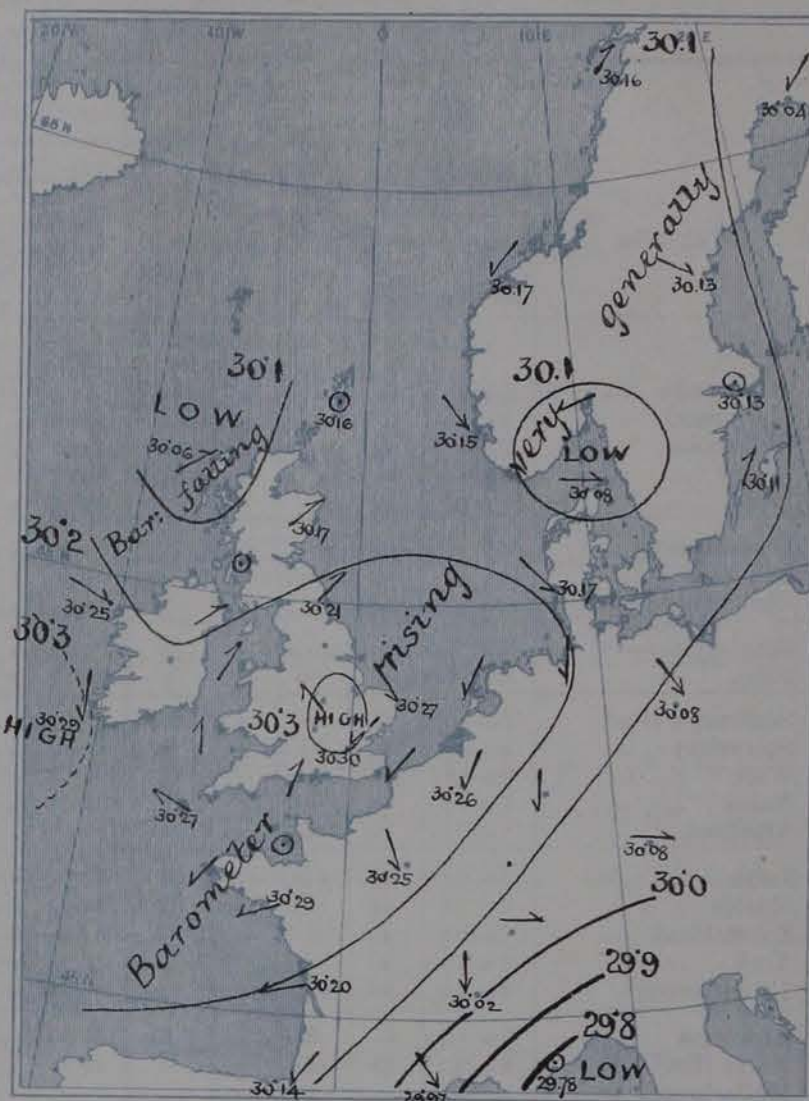
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in: to 30.2 in: over the greater part of Ireland, England, the Netherlands, and north of France.
Lowest, 30.1 in: and less, over the Hebrides and northwest of Scotland, and below 29.8 in: over the Riviera.
Gradients slight and the distribution of pressure mainly anticyclonic.
Barometer falling a little in the northwest, rising elsewhere.

TEMPERATURE

Highest, 78° at Lisbon, 67° at Perpignan, 65° at Hurst Castle and Mirby, 64° at Berlin, Wiesbaden, and Seilly.
Lowest, 48° at Bote, 53° at Lumburgh Head, 54° at York and Loughborough, 55° at Kairn.
The maxima at our stations yesterday were below 70° except at Jersey and Hurst Castle, those in France were higher, viz 72° at Paris and Biarritz, 77° at Nice, 79° at Perpignan. The night was cool (about 45°) over Central England.

WIND

Very light and variable — mainly anticyclonic over the British Islands and their neighbourhood. Over the southern parts of France, however, there is a fresh breeze from between N. and NW.

WEATHER

Fair in most places, but hazy in several parts of England. Rain is falling on our extreme northwestern coasts, and a good deal of cloud prevails at our western stations generally, fog at Rocher Point.
Showers have fallen in the north and northwest, and a good deal of rain at the Helder, and nearly an inch of rain at Nice.

SEA

Very little disturbed.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Showers are probable over our northern districts, but in others the weather is likely to be fair and the wind very light.

FORECASTS

For the 24 hours ending at NOON on 29th July, 1893.

DISTRICTS.

FORECASTS.

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

Varying light breezes; changeable, some showers.

Varying airs; fair generally, hazy or foggy at times.

DISTRICTS.

FORECASTS.

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

N^{ly} airs; 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.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.64	59	55	W	6	c	2	Valencia ...	30.27	62	60	W	1	ov	2
Sumburgh Head	30.17	54	49	N	2	0	2	Scilly ...	30.24	68	62	W	1	b	3
Stornoway ...	30.19	57	53	SW	3	0	3	Jersey ...	30.19	70	62	W	3	bc	3
Aberdeen ...	30.23	58	51	W	2	c	3	Hurst Castle ...	30.18	67	66	W	2	bc	2
Shields ...	30.21	58	53	N	3	c	3	Dungeness ...	30.13	66	60	ENE	2	c	2
Ardrossan ...	30.19	64	58	SW	1	b	1	North Foreland ...	30.15	62	57	N	4	c	4
Malin Head ...	30.21	60	56	E	2	0	1	London ...	30.18	68	56	N	2	0	*
Mullaghmore ...								Yarmouth ...	30.17	63	57	N	4	c	4
Behmullet ...	30.22	63	57	SW	2	0	1	Rochefort ...	30.10	73	65	NE	4	b	*
Holyhead ...	30.21	65	60	W	1	b	1								

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

Weather fair and dry over the greater part of our Islands and the Continent, but dull at some of our own extreme northern and northwestern stations, as well as in Germany and the eastern parts of France. Rain falling at Liverpool, and also at Brussels and Belfort. A little rain falling during day on our extreme western and northern coasts, and larger amounts in some parts of France, Germany and the Netherlands (as much as 10 inches at Nieu).

Temperature fallen a little in most countries, but risen over the greater part of Russia and Austria. Morning readings highest 83° at Rhindisi, 82° at Trieste, 81° at Sfax, and 77° at Palermo; above 70° in most parts of southern and eastern Europe, but below that point in Central Spain. Lowest 49° at Rodo, 51° at Chirkiansund, 52° at Sumburgh H^d and 53° at Whill and Aberdeen; below 60° in all but the extreme southern parts of the United Kingdom. Rising during day to between 65° and 70° at most of the English and Irish stations, exceeding 75° in the south of France, and reaching 80° at Lisbon.

Wind light or moderate from the Nnd (NW to NE) over our Islands and France, fresh from the NE² in Spain. NW³ in the west of Norway, W³ in Denmark, SW³ in Sweden, S³ in Finland. Variable in Germany, Austria and Italy, light from N. or NE over the central and southern parts of Russia. Subsequently shifting to the Snd on the west coasts of Ireland and Scotland, no important change occurring in other parts of Western Europe.

Barometer highest 30.2 inⁱ and upwards in an anticyclone spreading over Ireland from the Atlantic, and also in another system lying over Central Russia. Lowest 29.8 inⁱ and less, in a depression over the extreme north of Scandinavia, and also in two small systems lying respectively over Central Italy and the Gulf of Genoa. Anticyclone in west subsequently moving eastwards over Great Britain, barometer falling on our extreme 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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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 29th July,

1893

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

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.							
	Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	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.	Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.	Amount of Rainfall.	
Ina.	°				Ina.	°	°	°	°	°									
SCANDINAVIA.																			
Haparanda ...	30.04	57	NNE	2	0	30.04	-00	55	52	0	ENE	2	bc	#	0	68	45	0.04	
Hernösand ...	30.06	54	S	4	b	30.04	-09	55	54	+3	S	4	b	#	0	64	45		
Stockholm ...	30.10	61	S	2	0	30.04	-09	65	61	+4	ESE	4	c	#	0	70	57	0.24	
Wisby ...	30.10	62	SSE	2	b	30.06	-05	65	60	0	S	2	b	#	0	72	57		
Bodö ...	30.15	49	SW	1	c	30.10	-06	49	47	+1	W	0	c	#	0	54	45		
Christiansund...	30.12	54	N	4	0	30.01	-16	55	51	+3	ENE	1	c	2	0	57	50		
Skudesnaes ...	30.15	54	WNW	2	0	29.99	-16	55	51	0	SE	4	0	3	0, c	59	?		
Christiania Fjord (Fardier)	30.04	61	SSW	2	b	29.98	-09	63	60	+2	SE	4	b	2	0	66	61		
Skagen (The Scaw)	30.06	59	N	2	0	29.99	-09	59	54	-3	WNW	4	bc	2	0	64	52		
Fanö ...	30.18	57	WNW	3	c	30.08	-09	59	53	0	WNW	3	c	#	0	66	53		
Sumburgh Head	30.03	55	SSE	2	c	29.83	-33	55	54	+2	SW	2	0	2	c	58	51	0.10	
Stornoway ...	30.06	58	W	4	0	29.90	-16	57	56	+1	W	2	0	3	c, 0	62	53	0.20	
Wick ...	30.03	59	S	2	bc	29.90	-23	56	55	-1	W	1	0	1	bc	64	52	0.05	
Nairn ...	30.05	62	WSW	3	c	29.90	-21	56	54	+1	WSW	2	0	1	c	71	53	0.02	
Aberdeen ...	30.06	63	SSW	2	bc	29.95	-12	56	53	-2	SW	2	ogp	2	bc	68	53	0.03	
Leith ...	30.11	63	SW	1	0	30.00	-19	57	55	+2	WSW	3	r	#	0	66	53	0.01	
Shields ...	30.13	67	SW	2	0	30.02	-19	57	55	-2	WSW	3	c	#	0	68	50		
Spurn Head ...	30.17	59	SE	4	ov	30.07	-20	59	56	0	WNW	4	cm	3	bc, ov	61	55		
York ...	30.18	65	S	1	0	30.10	-18	57	55	+3	WNW	1	0	#	0	70	53		
Loughborough	30.19	70	W	3	bc	30.13	-17	61	58	+7	W	1	cm, w	#	0	74	56		
ISLANDS																			
Ardrossan ...	30.15	62	W	3	bc	30.02	-14	58	56	-1	SW	4	r	3	c, bc	65	55	0.05	
Malin Head ...	30.19	59	WNW	3	0	30.05	-10	55	54	-2	W	3	op	2	b, 0	63	55	0.16	
Mullaghmore ...	30.26	62	WNW	2	0	30.16	-09	61	58	0	WSW	2	0	#	c, 0	67	58	0.03	
Belmullet ...	30.20	60	ENE	3	c	30.08	-12	57	55	-2	SW	3	c	1	c	65	55	0.01	
Donaghadee ...																			
BRITISH																			
Liverpool (Bidston)	30.20	64	WNW	1	0	30.12	-12	61	56	+3	W	0	0	1	0	69	57		
Holyhead ...	30.21	60	SW	1	ogm	30.14	-09	58	57	-2	WNW	1	c, w	1	bc, ogm	67	56		
Parsonstown ...	30.22	68	SW	1	0	30.18	-03	59	57	-2	W	0	0	#	0	71	56		
Valencia ...	30.22	68	W	4	cm	30.22	-07	60	53	-1	W	1	0	2	cm	65	58	0.04	
Roche's Point	30.26	66	W	3	b	30.24	-03	59	57	-1	W	3	0	3	b	68	56		
Pembroke (St. Ann's Hd.)	30.23	62	WSW	2	bc	30.17	-09	60	57	-2	N	2	og	2	bc	66	59		
Scilly ...	30.25	65	SW	3	of	30.20	-07	62	61	-2	WSW	3	c	3	c, of	68	59	0.01	
Prawle Point ...	30.25	62	W	3	b	30.19	-10	62	61	0	W	3	c	2	b	64	57		
Jersey (St. Aubin's)	30.28	68	WNW	3	bm	30.20	-10	65	61	-2	W	3	c, w	3	bm	69	57		
Hurst Castle ...	30.24	66	SW	3	bc	30.16	-12	64	61	-1	WNW	2	bc	1	bc, m	70	58		
Dungeness ...	30.24	63	S	1	c	30.10	-18	64	63	+4	W	3	c	2	c	68	60		
North Foreland	30.22	61	SE	1	b	30.09	-19	64	60	+4	W	1	c	2	b	68	57		
London ...	30.22	66	S	1	opt	30.12	-18	64	60	+4	WNW	2	0	#	cm, tp, c	72	58		
Oxford ...	30.20	66	W	1	0	30.13	-16	61	59	+3	WSW	1	og	#	bc, og	73	58		
Cambridge ...	30.19	68	SSE	1	0	30.12	-19	63	60	+7	WSW	1	0	#	0	74	54		
Yarmouth ...	30.24	62	SSE	3	bc	30.09	-15	63	59	+4	W	1	cm	1	b, bc	65	58		
GERMANY & HOLLAND																			
Cuxhaven ...	30.24	60	WNW	3	bc	30.15	-07	60	57	0	W	2	c	#	bc	62	58		
Berlin ...	30.08	66	W	4	bc	30.04	-04	60	57	-4	ENE	4	0	#	bc	70	59	0.04	
Wiesbaden ...						30.08	-05	56	54	-3	N	1	r	#	#	64	55	0.87	
Munich ...	30.06	63	W	3	0	29.97	-11	56	56	-3	SW	4	r	#	0	66	55	0.12	
The Helder ...	30.27	59	NNE	1	b	30.17	-13	58	55	-2	SSE	1	c	#	b	63	54		
FRANCE AND BELGIUM.																			
Brussels (9 a.m.)	*	*	*	*	*	30.16	-10	59	55	-1	WSW	1	bc	#	0	64	49		
Cape Gris Nez	?	62	ENE	2	b	30.11	?	61	58	+2	W	3	c	2	b	68	55		
Paris ...	30.21	67	N	2	b	30.19	-06	58	57	+1	ENE	1	b	#	b	71	48		
Brest ...	?	68	WNW	1	b	?	?	62	62	+5	WNW	1	m	1	b	63	57		
Lorient ...	30.26	66	W	5	b	30.23	-06	61	59	+2	SSW	1	c	2	b	72	57		
Roche fort ...	30.17	75	N	4	b	30.19	-01	62	59	+3	ENE	2	b	#	b	79	57		
Belfort ...	?	61	NE	3	0	?	?	58	54	-1	W	3	c	#	0	70	55		
Lyons ...	30.04	66	WNW	3	0	30.11	+09	60	55	0	WNW	3	b	#	0	71	55		
Nice ...	29.88	62	W	0	r	29.86	+08	62	60	-2	E	1	c	#	r	72	61	0.28	
Perpignan ...	30.02	75	W	4	0	30.11	+14	69	57	+2	SW	4	b	#	0	80	64		
Biarritz ...	30.21	70	WNW	4	b	30.23	+09	67	63	+2	NE	2	b	2	b	75	63		
PENIN- SULA.																			
Corunna ...	30.02	79	N	4	*	30.10	+10	74	59	-4	NE	5	b	#	*	91	73		
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, 29 July 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

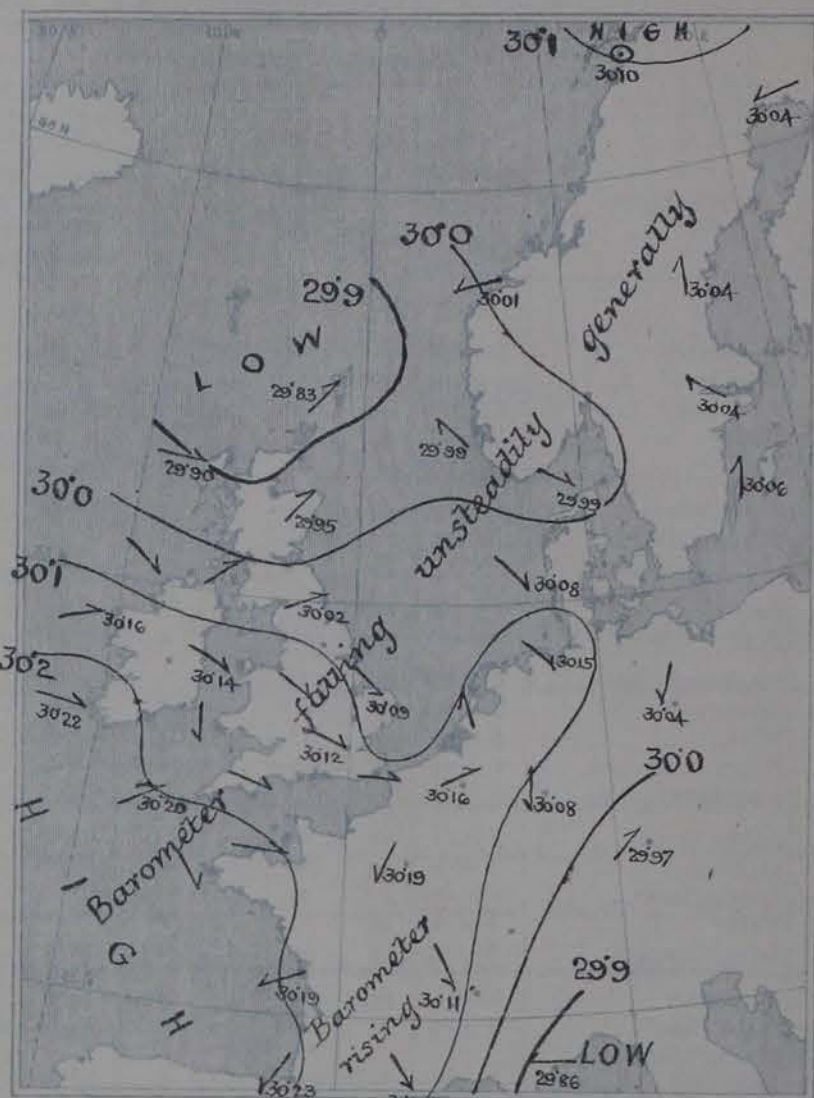
at 8.0 a.m. for the month of July.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.794
Stormway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.820
Leith	29.834
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Androssan	29.936
Mullaghmore	29.939
Donaghadee	29.947
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Rosie's Point	29.932
Pembroke	29.936
Sally	29.974
Prawle Point	29.987
Jersey	30.000
Hurst Castle	29.983
Dover	29.977
LONDON	29.957
Oxford	29.940
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

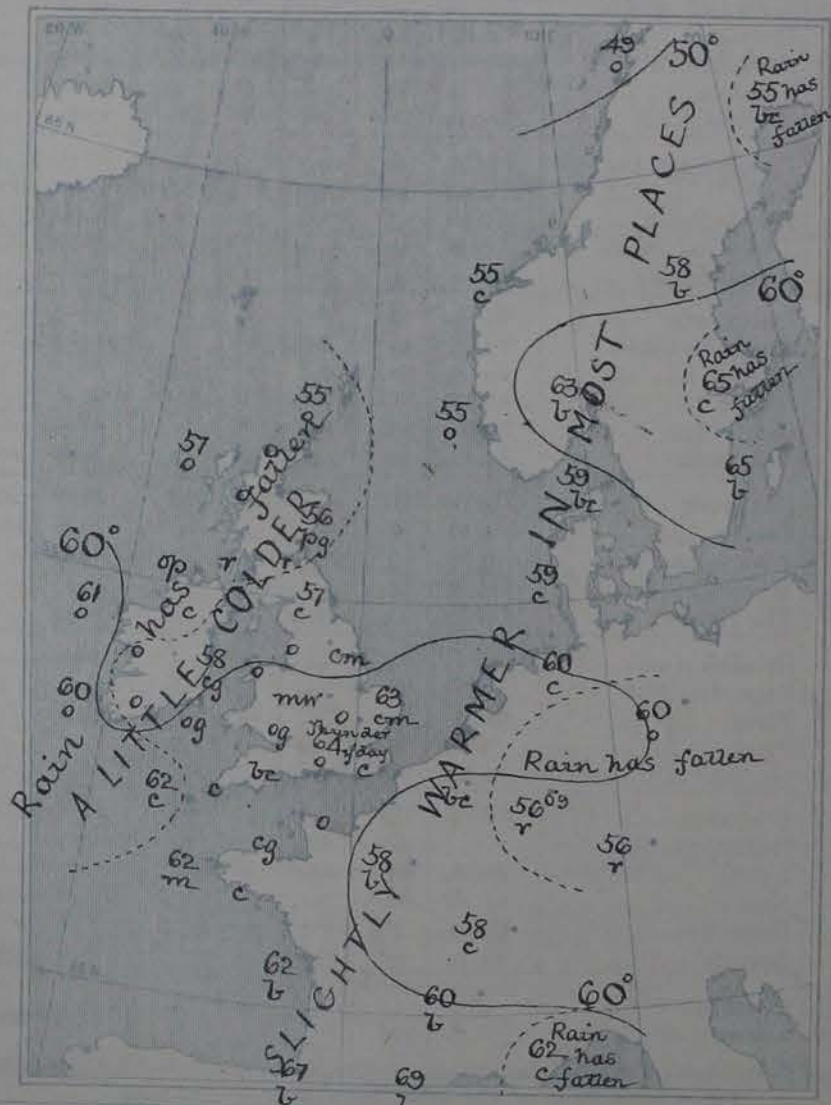
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	57.4	48.0	55.1	51.5	2.27
Stormway	60.2	48.0	55.5	53.0	2.00
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.20
Aberdeen	63.0	50.6	57.0	53.0	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.68
Spurn Head	67.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.0	2.70
Loughborough	71.5	52.0	61.4	57.6	2.34
Androssan	63.5	52.8	57.4	54.6	2.01
Mullaghmore	62.9	51.0	57.2	54.1	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.0	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.90
Valencia	64.0	53.5	58.9	56.4	3.99
Rosie's Point	66.1	53.2	58.8	55.0	3.29
Pembroke	62.5	54.8	58.0	56.0	2.34
Sally	64.4	56.2	59.2	58.1	2.40
Prawle Point	64.5	53.7	59.6	57.5	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.0	58.4	1.05
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.38
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.0	60.9	57.5	2.85

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 (1) 30.2 inches and more to 31 inches in an irregular form spreading from the Bay of Biscay over a great deal of France, England and Ireland; (2) 30.1 inches and more over Lapland.

Lowest 29.9 inches and less in a depression over the Shetland Isles and some north of Scotland.

Gradients were moderate and irregular; the distribution was complex.

Barometer was falling unsteadily in most places — rising in the south of France.

TEMPERATURE

Highest 74° at Lisbon, 69° at Papey, 65° at Stockholm, 64° in London.

Lowest 49° at Bodo, 55° at Hafafanga, Hudon, and Malin Head.

The maxima yesterday were 71° at Paris, Portsmouth and Bodo, 72° at Wexham and in London, 74° at Loughborough, and Cambridge, and 80° at Papey. The night was somewhat warm generally.

WIND

Chiefly southeasterly and moderate, at the Scandinavian stations, southeasterly to northeasterly, (light and variable) over the British Islands, northerly over France.

WEATHER

Clear at Lisbon and over the south of France, cloudy, more or less, elsewhere, rainy at several of our northern stations. The general appearance was showery.

A good deal of rain had fallen over South Germany and at Aisa, and smaller quantities at several of our northern and northwestern stations. A slight thunderstorm occurred over London last evening.

SEA

Very little disturbed — in several places quite smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

It appears probable that the weather will be changeable over England today, with showers at times and thunder in some localities.

FORECASTS

For the 24 hours ending at NOON on 30TH JULY. 1893.

DISTRICTS.

FORECASTS.

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

Southwesterly to Northwesterly winds,

light, drizzle, some rain at times.

Varying Southwest to Northwest breezes,

light, some showers, and thunder locally.

DISTRICTS.

FORECASTS.

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

Westerly and Northwesterly breezes, moderate,

and light; some little rain at times.

WARNINGS

None Issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.18	58	51	WNW	4	0	2	Valencia ...	30.32	64	61	WNW	5	cm	4
Sambrugh Head ...	30.10	56	53	SSE	2	0	3	Scilly ...	30.29	68	64	SW	3	c	2
Stornoway ...	30.03	62	61	S	4	c	4	Jersey ...	30.30	69	61	WNW	3	b	3
Aberdeen ...	30.10	64	57	SSW	3	bc	2	Hurst Castle ...	30.27	69	64	SW	3	bom	1
Shields ...	30.19	64	59	SW	2	0	2	Dungeness ...	30.26	65	60	S	2	bc	1
Androssan ...	30.16	60	59	W	3	c	2	North Foreland ...	30.27	63	55	NE	2	b	3
Malin Head ...	30.20	63	58	WNW	3	b	2	London (Westminster) ...	30.24	71	59	Z	0	om	*
Mullaghmore ...								Yarmouth ...	30.28	64	56	E	3	bu	2
Balmullet ...	30.27	65	61	WSW	2	c	*	Rocheport ...	30.20	74	66	N	4	b	*
Holyhead ...	30.23	65	61	SW	3	bc	2								

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

Weather fine at most of the English stations, but dull in Ireland and Scotland, with mist in several places, fog at Rock of Bute, and rain on our extreme northwestern coasts. Fine and bright over France, Spain, Austria, and the greater part of Russia, cloudy or overcast in most other parts of the Continent, with rain in the south of Sweden as well as at Turin, Rome, and Bagdad. Rain falling during day in Scotland and the west and north of Ireland, as well as in Germany and the south of France; thunderstorms occurring in various parts of the London district.

Temperature high in many parts of the United Kingdom, and also in Russia and Austria, fallen in most other countries. Morning readings highest 80° at Brindisi, 80° at Legna, and 79° at Lisbon and San Fernando, above 70° in most parts of Southern and Eastern Europe, and above 65° in most of the central countries as well as in the Channel Islands. Lowest 44° at Bodo, 52° at Christiania and 53° at Sambrugh Head and 54° at York and Loughborough. Rising during day to 70° or a little above it at many of our own inland stations as well as over the greater part of France; reaching 80° at Perpignan and 91° at Lisbon.

Wind variable over the southern parts of our islands, light from the southwest or west on most parts of our northern coasts. Variable over Scandinavia, Russia and Austria; northerly or northerly in Denmark and Germany. Moderate to fresh from the northeast in Spain and the west and south of France, southerly in Italy. Northerly breeze setting in later over the south of Ireland and southerly breeze in the south of England; no important change occurring elsewhere.

Baromet. highest 30.2 inches to 30.3 inches in a large anticyclone extending from the Atlantic over Ireland, England, the Netherlands and the northern parts of France, as well as in another system lying over Central Russia. Lowest 29.8 inches and less in a depression over the Gulf of Genoa, 30.0 inches and less over Lapland. 30.1 inches and less in a shallow 'V' shaped disturbance lying off the northwest of Scotland. Depression in northwest subsequently moving eastward and also spreading down in a southerly direction; baromet. rising again on our extreme 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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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on SUNDAY, 30TH JULY, 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.	Dir.	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.	Dir.	Force (0 to 12).	Weather.	Sea (0 to 2).		Max.	Min.	Amount of Rainfall.	
	Ins.	°					Ins.		°	°							°	°	Ins.	
SCANDINAVIA.	Haparanda ...	29.16	52	SW	2	bc	29.28	+0.4	59	57	+4	2	0	o	*	bc	66	48	0.04	
	Hernösand ...	29.97	58	S	2	b	29.94	-1.0	60	56	+2	E	2	bc	*	b	64	45	—	
	Stockholm ...	29.95	62	SE	2	b	29.80	-2.4	63	61	-2	NE	4	o	*	b	72	57	—	
	Wisby ...	29.92	61	SE	2	b	29.72	-3.4	66	64	+1	ESE	4	o	*	b	72	54	—	
	Bodö ...	29.98	49	N	2	b	29.90	-2.0	61	58	+2	E	4	c	1	b	72	48	—	
	Christiansund ...	29.84	58	NNE	2	c	29.78	-2.3	55	52	0	NNW	2	f	2	c	61	52	0.04	
	Skudesnaes ...																			
	Christiania Fjord (Fierder)	29.82	63	WNW	5	o	29.78	-2.0	59	56	-4	ESE	2	T	2	o	63	59	—	
	Skagen (The Scaw)	29.92	55	W	1	o	29.77	-2.2	59	56	0	2	0	o	0	o	66	54	0.04	
	Fanö ...	29.88	58	WNW	1	c	29.88	-4.0	58	57	-1	SE	4	c	*	c	68	57	0.12	
BRITISH ISLANDS.	Sumburgh Head	29.74	53	W	2	o	29.74	-0.9	58	52	0	NNW	1	b	1	c	60	49	—	
	Stornoway ...	29.83	58	W	4	bc	29.86	-0.4	54	53	-3	NNW	4	T	4	c	61	50	0.20	
	Wick ...	29.81	52	NW	1	c	29.80	-1.0	54	53	-2	NW	2	c	1	b	64	46	0.28	
	Nairn ...	29.82	58	2	0	c	29.82	-0.8	55	52	-1	W	1	c	1	c	65	53	0.06	
	Aberdeen ...	29.83	53	SW	2	bc	29.81	-1.4	54	51	-2	NW	2	bc	2	p.c.	63	49	0.25	
	Leith ...	29.87	62	W	2	c	29.84	-1.6	56	52	-1	W	2	c	*	c	67	49	0.01	
	Shields ...	29.89	63	SW	2	c	29.88	-1.9	61	56	+4	WNW	2	c	*	o.p.c.	63	52	0.02	
	Spurn Head ...	29.92	55	SE	1	o	29.82	-2.5	55	53	0	N	2	CV	2	o	65	56	—	
	York ...	29.96	62	W	1	o	29.85	-2.5	60	53	+8	NNW	1	c	*	o	70	58	0.03	
	Loughborough	29.99	64	NNW	2	o	29.88	-2.5	57	56	-4	WNW	1	OT	*	o	71	54	0.10	
GERMANY & HOLLAND.	Ardrossan ...	29.90	59	W	2	o	29.89	-1.3	59	56	+1	NW	2	b	2	o	61	52	0.15	
	Malin Head ...	29.90	56	W	2	odp	29.95	-1.0	57	54	+2	NW	5	o	3	odp	60	53	0.13	
	Mullaghmore ...																			
	Belmullet ...	29.98	60	NNW	4	T	30.11	-0.5	58	53	-2	NW	2	o	*	odp	61	53	0.10	
	Donaghadee ...	29.96	59	SW	2	Tg	29.97	-1.1	57	53	0	NW	5	o	3	Tg	63	56	0.03	
	Liverpool (Bldston)	29.99	60	W	4	o	29.92	-2.0	60	54	-1	NW	4	bc	4	o	64	55	0.15	
	Holyhead ...	30.01	60	WNW	1	og	29.97	-1.7	60	56	+2	NW	5	bc	4	og	68	55	0.18	
	Parsonstown ...	29.89	59	SW	1	T	30.03	-0.9	58	54	-1	NW	1	og	*	T	66	53	0.05	
	Valencia ...	30.11	61	W	5	omd	30.20	-0.2	61	58	+1	NNW	3	om	3	omd	64	57	0.03	
	Roche's Point	30.07	63	NNW	4	o	30.13	-1.1	59	54	0	NNW	4	b	3	o	66	55	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.05	61	W	2	o	30.03	-1.4	59	56	-1	NNW	5	bc	5	o	63	56	0.11	
	Scilly ...	30.14	63	W	4	o	30.07	-1.3	61	58	-1	NNW	5	bc	4	c	65	57	—	
	Prawle Point ...	30.09	62	WNW	5	bc	29.96	-2.3	64	61	+2	NW	5	bc	4	f.p.c.	66	59	0.08	
	Jersey (St. Aubin's)	30.03	64	W	4	ogmp	29.92	-2.8	64	61	-1	NNW	5	cgm	4	ogmp	66	53	0.12	
	Hurst Castle ...	30.04	62	W	3	c	29.89	-2.5	63	62	-1	NNE	3	bc	1	p.c.	67	56	0.11	
	Dungeness ...	29.98	63	W	2	p	29.83	-2.5	61	57	-3	N	2	c	1	c.f.	65	56	0.05	
	North Foreland	29.97	63	W	1	og	29.81	-2.8	60	56	-4	NW	5	bc	3	o	68	53	0.26	
	London ...	29.99	65	NW	1	o	29.87	-2.5	59	56	-3	W	1	o	*	o.p.	70	55	0.22	
	Oxford ...	29.98	62	W	2	o	29.88	-2.5	58	56	-3	NNW	2	od	*	o	67	55	0.02	
	Cambridge ...	29.98	62	SW	1	o	29.85	-2.5	60	57	-3	NW	2	bc	*	o	66	54	0.14	
PENINSULA.	Yarmouth ...	29.96	62	SE	2	o	29.81	-2.8	59	57	-4	NW	2	o	3	o	65	55	0.16	
	Cuxhaven ...	30.04	59	2	0	c	29.78	-3	57	56	-3	SW	2	bc	*	c	63	55	—	
	Berlin ...	29.86	58	NNW	4	T	29.73	-3.1	54	53	-6	NNW	5	T	*	T	70	52	0.08	
	Wiesbaden ...		*	*	*	*	29.83	-2.5	58	54	-1	2	0	o	*	*	59	52	0.08	
	Munich ...	30.02	51	W	7	T	29.91	-0.6	56	54	0	SW	5	o	*	T	57	52	1.50	
	The Helder ...	29.97	60	NW	1	c	29.82	-3.5	58	53	0	NNW	1	T	*	c	63	57	0.08	
	Brussels (9 a.m.)	*	*	*	*	*	29.79	-3	58	53	-4	NNE	3	o	*	T	68	54	0.16	
	Cape Gris Nez	29.97	62	W	4	o	29.83	-2.8	58	57	-3	N	4	o	*	o	63	57	0.04	
	Paris ...	30.05	68	W	2	o	29.86	-3.3	60	58	+2	NNW	2	o	*	o	75	57	0.16	
	Brest ...	*	66	NNW	2	c	30.00	-2.3	60	58	-2	SW	2	o	2	c	70	57	0.04	
FRANCE AND BELGIUM.	Lorient ...	30.13	66	NNW	5	c	30.00	-2.3	62	60	+1	NW	5	c	3	c	68	59	—	
	Rocheport ...	30.12	68	NNW	4	c	30.00	-1.9	65	64	+3	NNW	4	o	*	b.c	75	55	—	
	Belfort ...																			
	Lyons ...	30.06	68	N	1	b	29.94	-1.7	55	53	-5	ESE	1	T	*	b	73	55	0.04	
	Nice ...	29.85	64	2	0	T	29.75	-1.1	65	63	+3	E	2	bc	2	T	73	61	0.20	
	Perpignan ...	30.03	77	W	4	b	29.93	-1.2	70	63	+1	NW	3	c	*	b	81	66	—	
PENINSULA.	Biarritz ...	30.19	70	NW	2	b	30.12	-1.1	69	63	0	NW	5	T	3	b	75	66	0.08	
	Corunna ...	30.12	*	*	*	*	30.09	-0.1	76	63	+2	N	5	b	*	*	91	70	—	
PENINSULA.	Lisbon ...	30.12	76	NNW	4	b														

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, 30th July 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:

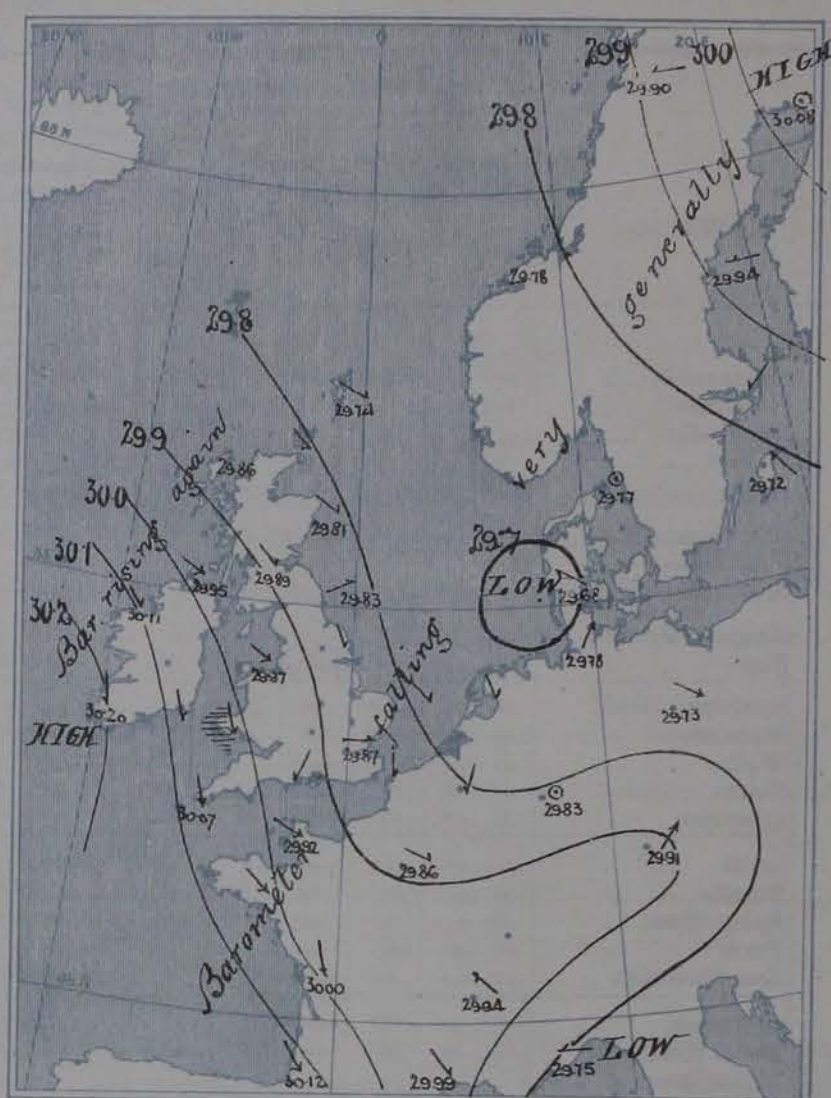
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.930
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

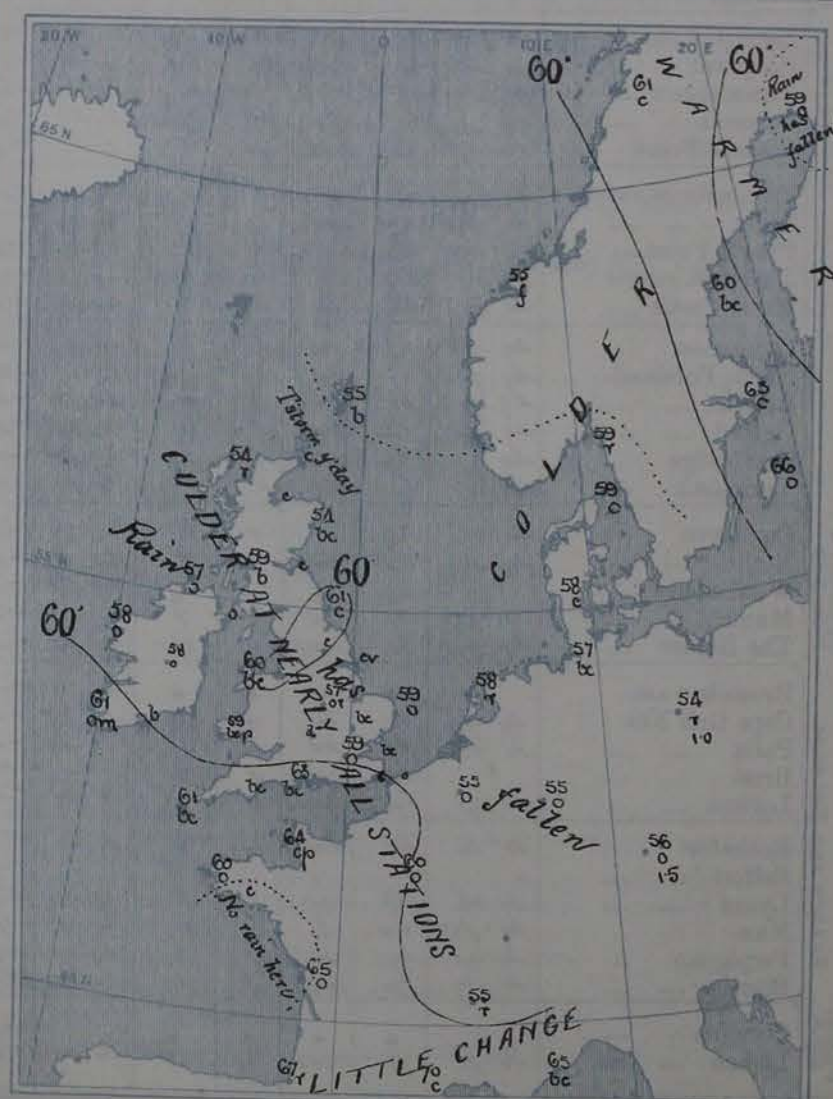
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	2.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.9	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.0	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Scilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.9	58.4	1.05
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.9	57.8	2.85

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) 30.2 ins. to 30.0 ins. over Ireland, the Bay of Biscay and the Iberian Peninsula.
(2) 30.0 ins. and more over Lapland.

Lowest about 29.7 ins. between the Shetlands and west of Norway, rather lower in a small depression off the Dutch coast, and about 29.6 ins. over north Germany.

Gradients moderate, and favourable for NW²⁴ winds over our Islands. Barometer falling generally, most in the east.

TEMPERATURE

Highest (1) 76° at Lisbon, 70° at Perpignan, 65° to 67° over the S. and SW. of France generally, (2) 66° at Wisby, 63° at Stockholm.

Lowest 54° at Christianund, Wick, Stromway and Aberdeen; 58° at the Helder and Belmullet, 59° at Falmouth.

Maxima in our Islands yesterday varied between 65° and 70° at the majority of the stations.

WIND

NW²⁴ to W²⁴ over the United Kingdom. Extremely variable on the Continent, and light to fresh in force in all parts.

WEATHER

Very changeable; cloudy or overcast in most regions and showery at many stations. Rain has fallen except over Scandinavia and the southwest of France. The amounts have been small over the United Kingdom, but large in Germany.

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 31ST JULY, 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 (V), 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.	P.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.91	59	56	W	2	o	3	Valencia ...	30.18	62	61	SW	4	o	4
Sumburgh Head ...	29.77	58	55	W	2	c	2	Scilly ...	30.18	65	61	W	4	c	2
Stornoway ...	29.85	56	54	W	3	o	3	Jersey ...	30.14	64	62	W & W	3	ogndp	3
Aberdeen ...	29.87	62	57	NW	1	c	1	Hurst Castle ...	30.08	63	62	W	3	r	2
Shields ...	29.97	62	57	NW	3	of	2	Dungeness ...	30.03	65	63	W	2	c	2
Ardrossan ...	29.97	60	57	SW	2	o	2	North Foreland ...	30.01	65	61	N	1	o	2
Malin Head ...	30.00	59	56	W	3	odp	3	London ...	30.05	65	61	NW	2	of	*
Mullaghmore ...	30.04	59	58	SW	3	od	*	Yarmouth ...	30.02	64	60	NE	1	o	1
Belmullet ...	30.07	67	61	W	3	cg	2	Rochefort ...	30.17	73	67	NNW	4	b	*
Holyhead ...	30.07	67	61	W	3	cg	2								

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

Weather cloudy or overcast in most parts of the United Kingdom, with rain at several of the northern stations. Fine over Sweden, Denmark, France and the greater part of southern and eastern Europe; dull in the west of Norway, Germany and northern Italy, with rain at Wiesbaden and Munich. Showers falling during day in nearly all parts of our Islands and France and considerable quantities of rain at several of the German and Austrian stations, the largest amount being 1.5 ins. at Berlin. Thunderstorm occurring at Ulm.

Temperature changed very irregularly. Morning readings highest 81° at Brindisi, 80° at Constantinople, 79° at Malta, and 77° at San Fernando, Algiers and Spax; above 70° at most of the Mediterranean and Adriatic stations, as well as in the western and southern parts of Russia. Lowest (1) 49° at Bado, 50° at Archangel, and 55° at Haparanda, Christiansund, Sumburgh Head and Malin Head; (2) 55° at Munster, and 56° at Wiesbaden and Munich. Rising during day to 70° or a little above it over the central parts of England, to 75° or more in central France, and to 80° or more over Spain and the southern parts of Italy and Austria, the highest reading of all being 91° at Lisbon.

Wind light from the Wnd (SW to NW) over our Islands; moderate from the SEnd at most of the Scandinavian stations. N² in Germany; variable in Russia, Italy and Algeria; light to fresh from the End or NEnd in Spain and the south of France. No important change occurring during day but wind shifting to the Nnd or NWnd in Spain.

Barometer highest 30.2 ins. and upwards in an anticyclone extending from the Atlantic over the south of Ireland, the Bay of Biscay, the western parts of France and the north of Spain, as well as in another system lying over central Russia. Lowest 29.9 ins. and less in a depression off the north of Scotland, and also in a large shallow system lying over the Gulf of Genoa and the greater part of Italy, Austria and the Adriatic. Numerous secondary depressions passing eastwards across our Islands during day and barometer falling a little in most places.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 MONDAY, 31ST JULY.

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.				
Ins.	°				Ins.	°	°	°	°							°	ins.				
SCANDINAVIA.	Haparanda ...	29.02	60	E	2	C	29.92	-15	62	57	+3	E	6	C	†	C	70	56	—		
	Hernösand ...	29.74	60	NNE	6	O	29.52	-42	61	53	+1	E	8	T	†	O	68	54	1/4		
	Stockholm ...	29.48	63	SE	4	T	29.46	-34	66	64	+3	SE	2	O	†	T	68	54	0.2		
	Wisby ...	29.50	66	SE	2	O	29.52	-20	62	60	-4	SE	6	O	†	O	70	53	0.2		
	Bodö ...	29.93	60	E	4	T	29.78	-12	62	57	+1	E	2	O	†	T	63	53	0.20		
	Christiansund...	29.77	56	NNW	1	f	29.54	-24	54	53	0	N	2	T	2	f	53	54	0.20		
	Skudesnaes ...	29.67	57	NNW	4	C	29.54		57	53		NNW	7	O	2	O	53	53	—		
	Christiania Fjord (Fæder)	29.61	58	NNE	5	O	29.48	-33	61	56	+2	W	5	O	2	O	61	57	0.20		
	Skagen (The Scaw)	29.58	58	N	3	O	29.48	-29	61	57	+2	W	2	bc	1	O	70	53	0.2		
	Fanö ...	29.63	58	NW	4	C	29.53	-29	59	53	+1	NW	4	C	†	C	61	53	0.04		
BRITISH ISLANDS.	Sumburgh Head	29.76	53	NNW	1	C	29.78	+01	52	50	-3	NNW	2	O	3	C	58	44	0.09		
	Stornoway ...	29.90	53	N	5	C	29.94	+04	54	52	0	NE	4	†	4	C	58	44	0.10		
	Wick ...	29.83	54	NW	2	O	29.86	+03	53	52	-1	NW	4	O	2	O	59	44	0.10		
	Nairn ...	29.84	55	NW	2	O	29.86	+02	56	53	+1	NW	2	C	2	O	58	50	0.17		
	Aberdeen ...	29.84	55	NNW	2	C	29.81	0	54	53	0	NW	4	C	3	bc	60	49	0.13		
	Leith ...	29.85	58	NW	1	T	29.86	+02	53	53	+3	NNW	2	bc	†	T	66	50	0.19		
	Shields ...	29.83	53	NE	1	O	29.80	-03	55	52	-6	NNW	2	C	2	bc	63	51	0.04		
	Spurn Head ...	29.86	60	N	2	bc	29.79	-07	55	53	-2	NW	4	C	3	bc	61	52	0.13		
	York ...	29.86	62	NNW	1	C	29.83	-03	55	52	-3	NNW	2	bc	†	C	61	51	0.12		
	Loughborough	29.89	63	NW	5	C	29.87	-02	57	54	0	NNW	2	C	†	C	68	52	0.07		
GERMANY & HOLLAND.	Ardrossan ...	29.88	53	NW	5	bc	29.89	0	52	55	0	NW	4	bc	3	bc	62	52	—		
	Malin Head ...	29.93	57	NNW	4	bc	29.93	+04	56	57	-1	NNW	5	O	3	C	60	54	0.02		
	Mullaghmore ...	29.93	57	NNW	4	bc	29.93	+04	56	57	-1	NNW	5	O	3	C	60	54	0.02		
	Belmullet ...	29.93	57	NNW	4	bc	29.93	+04	56	57	-1	NNW	5	O	3	C	60	54	0.02		
	Donaghadee ...	29.93	57	NNW	4	bc	29.93	+04	56	57	-1	NNW	5	O	3	C	60	54	0.02		
	Liverpool (Bldston)	29.92	60	NNW	5	bc	29.90	-02	58	53	-2	NNW	5	C	4	bc	62	54	0.02		
	Holyhead ...	29.98	61	NW	2	C	29.96	-02	58	54	-2	NNW	5	C	4	C	65	53	0.01		
	Parsonstown ...	29.97	62	NW	1	C	29.97	-02	58	54	0	NW	1	C	†	C	65	54	—		
	Valencia ...	29.95	60	NNW	2	O	29.93	-02	58	53	-2	NW	2	bc	3	O	64	57	0.06		
	Roche's Point	29.91	63	NNW	4	bc	29.88	-03	57	55	0	NNW	2	C	3	bc	66	53	—		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.93	60	NW	2	C	29.92	-01	58	55	-1	NNW	4	bc	3	C	64	53	—		
	Scilly ...	29.93	60	NNW	2	C	29.92	-01	58	55	-1	NNW	4	bc	3	C	64	53	—		
	Prawle Point ...	29.93	61	NNW	6	bc	29.93	+03	62	59	-2	NW	4	bc	3	bc	68	54	—		
	Jersey (St. Aubin's)	29.90	66	NW	4	bc	29.90	+06	63	57	-1	NW	4	C	3	C	68	58	0.02		
	Hurst Castle ...	29.93	66	NNW	4	C	29.93	+04	62	56	-1	NNW	2	bc	2	C	71	53	—		
	Dungeness ...	29.84	60	NE	2	C	29.85	+02	59	55	-2	NW	4	C	3	C	65	50	0.04		
	North Foreland	29.82	61	N	1	bc	29.81	0	57	54	-3	NNW	4	C	3	C	66	54	0.06		
	London ...	29.87	66	NW	2	bc	29.89	+02	58	53	-1	NW	2	C	†	C	68	49	—		
	Oxford ...	29.93	58	NW	2	bc	29.90	+02	57	52	-1	NW	4	bc	†	C	67	50	—		
	Cambridge ...	29.87	57	NW	1	T	29.85	0	58	54	-2	NNW	5	C	†	C	66	50	0.32		
PENINSULA.	Yarmouth ...	29.82	62	N	4	bc	29.78	-04	57	53	-2	NW	2	C	3	bc	63	49	0.01		
	Cuxhaven ...	29.72	61	NNW	2	bc	29.71	-01	62	58	+5	NW	2	C	†	bc	63	58	—		
	Berlin ...	29.68	60	N	1	C	29.67	-01	59	56	+5	SE	1	O	†	C	63	54	—		
	Wiesbaden ...	29.81	58	NW	2	T	29.84	+03	58	53	+3	NW	1	bc	†	†	59	50	0.24		
	Munich ...	29.81	58	NW	2	T	29.80	-01	57	52	-4	NW	5	T	†	†	64	52	0.20		
	The Helder ...	29.82	60	NNW	2	bc	29.79	-03	59	54	+1	NW	4	T	†	bc	63	57	0.12		
	Brussels (9 a.m.)	29.86	56	NNW	2	C	29.86	+07	56	55	+1	NNW	2	T	†	C	62	44	0.04		
	Cape Gris Nez	29.83	58	NNE	2	O	29.85	+02	56	56	-2	NW	5	O	†	O	60	52	0.40		
	Paris ...	29.88	65	NW	2	C	29.95	+07	58	53	-2	NW	2	O	†	C	69	52	0.04		
	Brest ...	29.88	62	N	2	C	29.90	+02	60	55	0	NW	2	C	2	C	66	55	0.04		
PENINSULA.	Lorient ...	29.86	66	NNW	6	bc	29.84	+04	62	59	0	NNW	5	C	3	bc	72	57	—		
	Rocheport ...	29.97	67	NW	6	bc	29.99	+02	62	58	-3	NW	5	O	†	bc	72	57	—		
	Belfort ...	29.91	62	SE	2	C	29.97	+06	58	53	+3	NNW	1	C	†	C	69	54	0.20		
	Lyons ...	29.91	62	SE	1	O	29.97	+06	58	53	+3	NNW	1	C	†	C	69	54	0.20		
	Nice ...	29.66	70	E	2	bc	29.71	+05	65	58	0	E	2	bc	†	bc	77	57	—		
	Perpignan ...	29.83	74	NW	4	bc	29.84	+01	67	57	-3	NW	4	O	†	bc	70	63	—		
	Biarritz ...	29.82	69	NNW	6	T	29.80	-02	67	61	0	NW	4	O	†	T	70	61	0.04		
	Corunna ...	29.82	55	NW	5	bc	29.97	+15	62	63	+6	NNE	5	bc	†	†	68	64	—		
	Lisbon ...	29.82	55	NW	5	bc	29.97	+15	62	63	+6	NNE	5	bc	†	†	68	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, 31st July, 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:

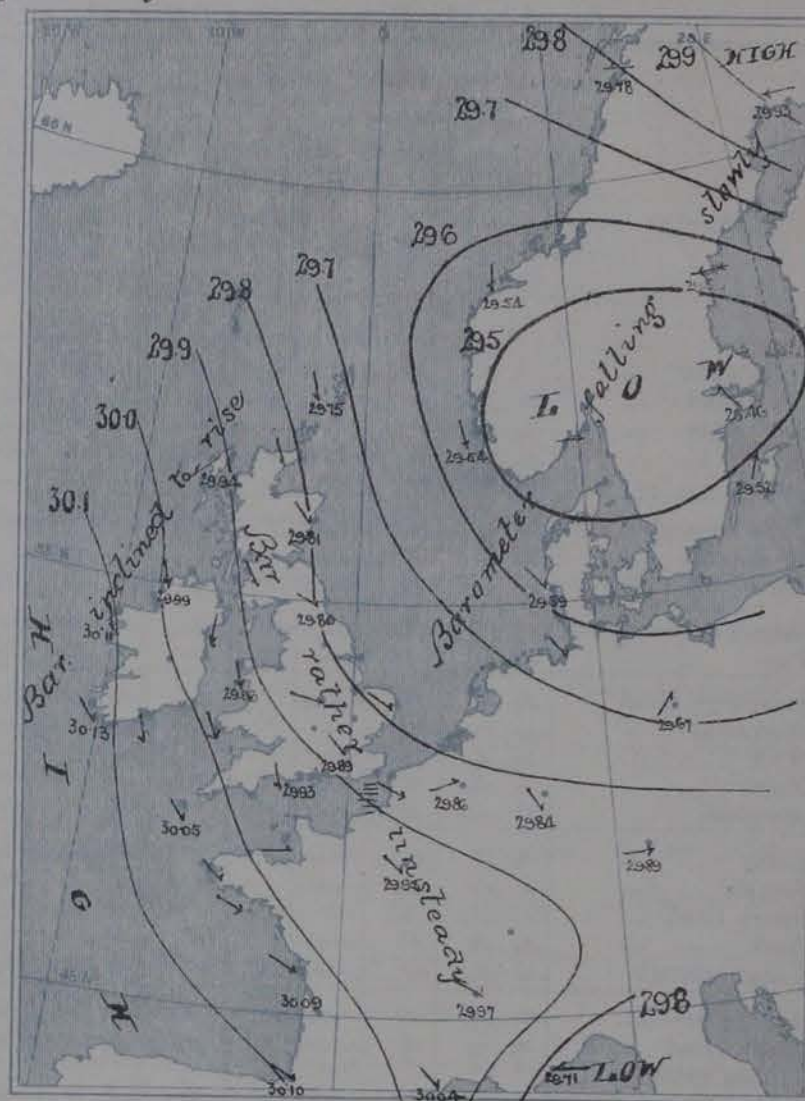
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.800
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Seilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

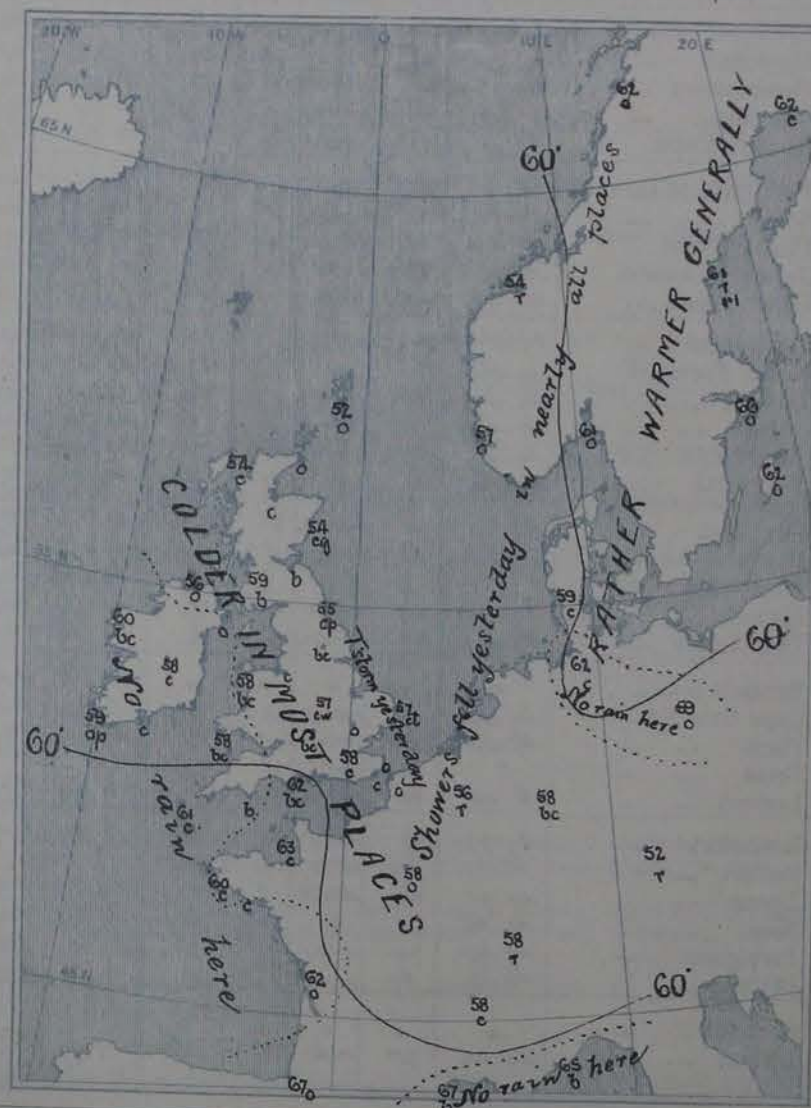
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.0	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.0	2.85
Shields	64.1	52.2	58.3	55.0	2.06
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.00
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Seilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.3	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.20
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.0	52.2	61.3	57.7	2.42
Yarmouth	66.0	54.9	60.8	57.8	2.85

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 more to 30.0 ins. over the Bay of Biscay, the western parts of France and our Islands, and adjacent parts of the Atlantic.

Lowest 29.5 ins. and less to 29.6 ins. in a depression over the S. half of Scandinavia, the Sound & Denmark.

Gradients moderate for NW² winds.

Barometer unsteady, but inclined to rise in the extreme northwest.

TEMPERATURE

Highest 82° at Lisbon, 67° at Biarritz and Perpignan, 66° at Stockholm, 65° at Nice.

Lowest 52° at Sumburgh H^o, 54° at Christiansund, Stornoway and Alforden, 55° at Shields.

It was below 60° almost all over our Islands, Germany and the north of France. The maxima recorded in our Islands yesterday were all below 70°.

WIND

NW² to N² over the British Islands generally, and moderate to fresh in force; NW² to W² over France, and light in force. In the south of Sweden it was S² and in the north E², and was blowing a gale from the latter point at Hernösand.

WEATHER

Is in a somewhat changeable, showery and unsettled condition generally. The amount of cloud is large, rain is falling in several places, and thunder is reported at Falmouth. Thunderstorms occurred yesterday at several stations in the east and southeast of England. Sittingbourne reports 0.45 in. of rain to have fallen during a thunderstorm.

SEA

Rather rough at Cape Gris Nez, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any decided change.

FORECASTS

For the 24 hours ending at NOON on 1ST AUGUST 1893.

DISTRICTS.

FORECASTS.

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

NW² breezes, moderate, showers.

bright intervals, cold tonight.

DISTRICTS.

FORECASTS.

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

NW² breezes, moderate; showers.

bright intervals, cold tonight.

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 ...	29.72	58	55	NW	4	0	2	Valencia ...							
Sumburgh Head								Scilly ...							
Stornoway ...	29.88	57	54	N	5	C	4	Jersey ...	29.98	66	61	WNW	5	Cp	4
Aberdeen ...								Hurst Castle							
Shields ...								Dungeness...	29.83	65	61	NE	1	C	0
Ardrossan ...								North Foreland...	29.82	64	59	WNW	4	C	2
Malin Head ...	29.99	60	58	NW	5	Cp	4	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...							*	Rocheport ...	29.97	69	67	NW	5	C	*
Holyhead ...	29.99	64	59	NW	4	C									

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

Weather cloudy and showery over the United Kingdom generally, but fine at some of our extreme southern stations. Fine and bright over the greater part of southern and eastern Europe, but dull in most other parts of the continent, with rain at several of the French, German and Austrian stations, as well as at Faerder, St. Petersburg and the Velder. Rain falling during day in most parts of western and northern Europe, - heavily at Hernöland, thunder and lightning occurring on the east and southeast coasts of England.

Temperature changed rather irregularly, but fallen in most places. Morning readings highest 84° at Brindisi, 80° at Odessa, 78° at Barcelona, and 77° at San Fernando and Spax; above 70° over the central and southern parts of Russia. Lowest (1) 48° at Archangel, and 54° at Christiansund, Stornoway, Wick and Aberdeen, (2) 54° at Berlin, and 55° at Brussels, Munster, Prague and Lyons; below 60° in most parts of northwestern and central Europe. Thermometer remaining below 60° all day in the north of Scotland, but rising to between 65° and 70° over the central and southern parts of our Islands. Exceeding 75° in the south of France, and reaching 80° at Perpignan, and 88° at Lisbon.

Wind, light to fresh from the NW² over our Islands, the west of Norway and the greater part of France, SW² or S² in western Germany; SE² at Fano. Light from the SE² over the south of Russia, and from the E² or NE² in Sweden and the N. of Russia. NW² in eastern Germany and Austria. Variable in Italy and Algeria, chiefly E² in Spain. No important change occurring over western Europe during day.

Barometer highest 30.1 ins. to 30.2 ins. in an anticyclone extending from the Atlantic over the west and south of Ireland, the Bay of Biscay and the greater part of the Spanish Peninsula, as well as in another area lying over northern and central Russia. Lowest 29.7 ins. and less in a small depression lying over the southern parts of the North Sea, and also in a larger system covering Poland, eastern Germany and Galicia. Another depression forming later over the south of Sweden; barometer very unsteady over the United Kingdom and France.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 23rd TO THE 29th JULY 1893.

The observations for this week show that the weather was, from Sunday to Wednesday, unsettled and in nearly all places showery; and that on Monday the rainfall was heavy at our most northern stations and was accompanied by thunder and lightning. Over England, the air was often close and oppressive and on Wednesday thunderstorms were reported in many places; there were, however, brief intervals when the air was fresh and cool. Temperature on the whole differed but little from the normal, and the wind was chiefly westerly. On Thursday and Friday conditions became less unsettled, moderate and dry breezes from northwest and west being prevalent in most places, accompanied by clearer weather, and in many places by a good deal of bright sunshine. Temperature rose a little and clouds decreased. Saturday, however, brought with it a renewal of the showers, and close air, and the week closed with an unsettled, showery appearance, and with moderate to fresh breezes from between southwest and northwest.

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 "

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.		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 Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).			Max.	Min.			
1	Corunna	*	*	*	*	*	30.12	-	66	62	-	N	4	6	2	*	75	59	-	
4	Corunna	*	*	*	*	*	30.01	-	70	65	-	WNW	6	6c	2	*	75	63	-	
5	Corunna	*	*	*	*	*	30.11	+11	69	63	-1	NE	3	c	2	*	70	59	-	
6	Corunna	*	*	*	*	*	29.95	-16	67	61	-2	SE	1	6	1	*	69	52	-	
8	Corunna	*	*	*	*	*	29.92	-	69	61	-	SW	6	0	3	*	72	59	0.04	
10	Corunna	*	*	*	*	*	30.01	-	69	61	-	NW	6	c	4	-	70	55	-	
11	Belfort	?	75	NE	1	bc	?	?	?	-	-	W	3	0	*	bc	80	59	0.16	
	Nice	29.95	74	SE	1	m	29.88	-14	69	-	-4	W	0	6c	0	m	81	63	-	
	Corunna	*	*	*	*	*	30.00	-01	65	60	-4	SW	6	0	5	*	72	57	0.04	
12	Haparanda	29.74	54	SW	2	b	29.43	-56	52	48	-6	WNW	4	0	*	b	61	41	-	
	Hernösand	29.86	55	S	2	bc	29.66	-35	62	53	+3	NW	4	6	*	bc	61	46	-	
	Stockholm	29.88	57	SE	1	b	29.75	-23	67	62	+9	W	0	6	*	b	70	52	-	
	Nisby	29.86	61	NW	2	bc	29.75	-20	69	61	-2	SSE	4	6c	*	bc	73	59	-	
	Belfort	?	73	SW	2	c	?	?	64	-	?	SW	4	0	*	c	81	58	0.04	
	Corunna	*	*	*	*	*	30.03	+03	67	63	+2	W	6	0	6	*	70	57	0.04	
13	Corunna	*	*	*	*	*	30.04	+01	67	61	0	NW	4	0	3	*	68	57	0.08	
14	The Helder	29.65	61	SSW	4	0	29.78	+23	59	-	-3	NW	4	0	4	0	64	57	-	
	Belfort	?	65	W	4	c	?	?	54	-	-5	W	3	0	*	c	73	50	-	
	Corunna	*	*	*	*	*	30.11	+07	66	62	-1	NW	5	0	4	*	70	59	-	
15	Cape Gris Nez	29.88	59	NW	1	0	29.93	+15	58	-	0	NNE	2	c	1	0	66	54	-	
	Corunna	*	*	*	*	*	30.15	+04	67	60	+1	N	2	6	2	*	68	54	-	
17	Corunna	*	*	*	*	*	30.25	+10	66	64	-1	N	3	0	3	*	70	59	-	
18	Corunna	*	*	*	*	*	30.19	-06	69	66	+3	NE	6	6	2	*	70	63	-	
19	Corunna	*	*	*	*	*	29.90	-29	67	64	-2	N	6	0	4	*	72	61	-	
20	Corunna	*	*	*	*	*	29.86	-04	69	65	+2	SSW	6	0	4	*	69	64	0.04	
21	Corunna	*	*	*	*	*	29.84	-02	71	65	+2	SSW	3	0	2	*	72	59	0.16	
22	Corunna	*	*	*	*	*	30.13	+29	68	65	-3	E	1	6	1	*	73	63	0.12	
24	Corunna	*	*	*	*	*	30.19	+03	67	64	-2	N	1	6	2	*	72	59	-	
25	Corunna	*	*	*	*	*	30.17	-02	70	65	+3	N	4	6	2	*	70	61	-	
26	Corunna	*	*	*	*	*	30.08	-09	68	62	-2	N	6	6	3	*	70	61	-	
27	Corunna	*	*	*	*	*	30.14	+06	70	60	+2	NE	6	6c	4	*	70	63	-	
28	Corunna	*	*	*	*	*	30.22	+08	70	62	0	NE	4	6	1	*	72	59	-	
29	Corunna	*	*	*	*	*	30.26	+04	67	63	-3	NE	4	6	2	*	72	59	-	
31	Corunna	*	*	*	*	*	30.16	-	64	62	-	NE	4	6	3	*	68	59	-	

2. CORRECTIONS.

[illegible]