

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

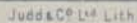
1ST JANUARY TO 30TH JUNE, 1893.

28.4 94

See High Land.

January to June 1893.

January to June 1893.



DAILY WEATHER REPORT

for 8 a.m. on

Thursday, 1st June,

1893

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

PAST 24 HOURS.																																				
STATIONS.		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)																													
		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).				SHADE TEMP.		Amount of Rainfall.	
		Ins.		°							Ins.		°		°		°		°		°		°		°		°		°		°		ins.			
SCANDINAVIA.	Haparanda ...	29.79	43	E	2	0	29.81	+0.02	40	40	+ 2	SEW	2	f	5	0	45	34	0.04																	
	Hernösand ...	29.84	41	N	2	0	29.84	+0.03	44	42	+ 2	NE	2	0	5	0	44	34	0.04																	
	Stockholm ...	29.71	46	S	2	0	29.72	+0.06	48	46	+ 5	Z	0	0	5	0	?	37	0.04																	
	Wisby ...	29.77	45	S	4	0	29.76	+0.07	51	38	+ 2	SEW	4	0	5	0	?	43	-																	
	Bodö ...	29.84	44	N	4	0	29.80	-0.10	46	41	+ 1	E	2	0	1	0	46	37	-																	
	Christiansund...	29.92	45	N	3	0	29.88	-0.12	46	41	+ 2	NE	2	0	2	0	48	41	-																	
	Skudesnaes ...	29.77	46	NW	8	0	29.80	-0.01	47	43	- 4	NW	5	0	2	0	51	46	-																	
	Christiania Fjord (Fierder)	29.75	49	N	4	0	29.77	+0.04	46	43	+ 1	NNE	4	0	1	0	50	45	-																	
	Skagen (The Seaw)	29.75	49	N	3	0	29.76	+0.07	51	47	+ 6	NE	1	0	0	0	54	45	-																	
	Fanö ...	29.80	45	N	4	0	29.81	+0.09	48	44	+ 1	NW	6	0	5	0	52	43	0.20																	
ISLANDS.	Sumburgh Head	29.97	47	NW	3	0	29.88	-0.13	49	49	+ 4	NW	1	0	9	0	50	41	0.01																	
	Stornoway ...	30.10	52	NE	4	0	30.02	-0.09	51	50	+ 2	W	2	0	3	0	55	45	0.04																	
	Wick ...	29.98	48	N	4	0	29.95	-0.10	53	51	+ 11	NW	4	0	2	0	53	42	0.09																	
	Nairn ...	30.03	52	Z	0	0	30.00	-0.07	53	51	+ 4	Z	0	0	1	0	56	47	-																	
	Aberdeen ...	30.02	52	NW	3	0	29.98	-0.07	51	49	+ 2	NW	4	0	4	0	54	48	0.10																	
	Leith ...	30.03	53	Z	0	0	29.99	-0.05	56	51	+ 4	NW	2	0	5	0	63	49	-																	
	Shields ...	30.04	49	NNE	3	0	29.97	-0.08	57	52	+ 8	NW	2	0	3	0	57	45	-																	
	Spurn Head ...	30.02	50	N	3	0	29.97	-0.02	52	52	+ 4	NW	3	0	3	0	53	46	-																	
	York ...	30.04	55	NNE	3	0	30.01	-0.03	57	48	+ 4	NW	1	0	5	0	57	41	-																	
	Loughborough	30.04	56	NNE	2	0	30.04	-0.02	51	47	+ 2	NW	3	0	5	0	60	34	-																	
BRITISH	Ardrossan ...	30.03	57	NW	2	0	30.01	-0.05	53	51	0	W	1	0	0	0	61	46	-																	
	Malin Head ...	30.10	53	NW	3	0	30.06	-0.08	52	49	0	N	2	0	1	0	56	48	-																	
	Mullaghmore ...																																			
	Belmullet ...	30.16	55	N	3	0	30.08	-0.10	55	50	+ 3	NNE	2	0	5	0	58	49	-																	
	Donaghadee ...	30.08	53	NW	5	0	30.04	-0.08	55	52	+ 1	NW	4	0	2	0	62	52	-																	
	Liverpool (Bidston)	30.05	56	NW	2	0	30.05	-0.01	52	50	0	W	2	0	1	0	59	48	-																	
	Holyhead ...	30.08	52	N	1	0	30.06	-0.02	58	54	+ 6	NW	1	0	1	0	59	45	-																	
	Parsonstown ...	30.09	57	Z	0	0	30.06	-0.08	55	51	+ 4	Z	0	0	5	0	60	50	-																	
	Valencia ...	30.10	58	NW	3	0	30.07	-0.07	58	54	0	ESE	1	0	1	0	61	45	-																	
	Roche's Point	30.09	59	SE	2	0	30.08	-0.05	57	55	+ 2	N	1	0	1	0	62	51	-																	
GERMANY & HOLLAND	Pembroke (St. Ann's Hd.)	30.02	56	NNE	4	0	30.04	-0.03	53	49	- 3	NE	2	0	1	0	58	48	-																	
	Scilly ...	30.04	57	NNE	4	0	30.04	+0.01	57	53	0	NNE	1	0	0	0	63	50	-																	
	Prawle Point ...	30.02	52	ESE	2	0	30.05	-0.01	55	53	+ 2	SSW	1	0	0	0	56	48	-																	
	Jersey (St. Aubin's)	30.02	61	ESE	3	0	30.06	+0.01	58	51	0	ESE	3	0	3	0	63	43	-																	
	Hurst Castle ...	30.04	55	SW	3	0	30.05	+0.00	58	53	+ 3	NE	2	0	1	0	60	45	-																	
	Dungeness ...	30.00	54	E	3	0	30.02	+0.01	57	50	+ 6	N	2	0	1	0	58	37	-																	
	North Foreland	30.01	52	NE	4	0	30.02	+0.01	52	48	+ 2	NW	3	0	2	0	56	43	-																	
	London ...	30.02	56	N	2	0	30.05	-0.00	53	47	+ 5	NW	1	0	5	0	60	39	-																	
	Oxford ...	30.04	49	NNE	1	0	30.05	-0.01	52	47	+ 5	NNE	1	0	5	0	60	35	-																	
	Cambridge ...	30.04	56	N	2	0	30.03	-0.02	51	48	+ 2	NW	2	0	5	0	60	36	-																	
FRANCE AND BELGIUM.	Yarmouth ...	30.00	52	NW	4	0	30.00	+0.04	51	47	+ 2	NW	3	0	3	0	54	41	0.02																	
	Cuxhaven ...	29.85	53	NW	4	0	29.92		55	53		W	3	0	5	0	56	53	0.08																	
	Berlin ...	29.82	56	W	2	0	29.93	+0.06	51	46	0	W	3	0	5	0	63	45	-																	
	Wiesbaden ...						30.02	+0.11	48	45	- 3	N	4	0	5	0	59	48	-																	
	Munich ...	29.89	51	NE	1	0	30.00	+0.14	46	44	- 4	NW	4	0	5	0	57	45	0.20																	
	The Helder ...	29.98	50	NW	4	0	30.00	+0.05	49	46	0	NW	4	0	3	0	52	46	0.04																	
	Brussels (9 a.m.)						30.03	+0.06	50	46	+ 1	NW	3	0	5	0	54	37	0.08																	
	Cape Gris Nez		51	ESE	3	0	30.02	+0.04	52	47	+ 5	NW	3	0	2	0	59	45	-																	
	Paris ...	29.99	55	NW	3	0	30.06	+0.04	49	43	- 1	N	1	0	5	0	60	37	-																	
	Brest ...		65	NE	2	0			54	49	+ 1	ESE	3	0	2	0	75	46	-																	
PENIN- SULA.	Lorient ...	29.96	64	SSW	2	0	30.03	+0.05	51	46	- 5	E	4	0	2	0	70	50	-																	
	Rochefort ...	29.90	68	NE	4	0	29.95	+0.02	51	46	- 3	ESE	5	0	5	0	82	45	-																	
	Belfort ...																																			
	Lyons ...	29.85	51	E	1	0	29.92	-0.01	50	44	- 4	NW	3	0	5	0	73	46	0.04																	
	Nice ...	29.84	60	SE	2	0	29.78	-0.08	61	58	+ 1	E	2	0	1	0	70	52	0.20																	
	Perpignan ...	29.81	63	W	2	0	29.84	-0.05	63	60	- 5	SW	1	0	5	0	80	58	0.04																	
	Biarritz ...	29.85	64	W	3	0	29.84	-0.08	56	54	- 5	NE	3	0	1	0	70	55	0.75																	
	Corunna ...																																			
	Lisbon ...	29.93	62	W	2	0	29.91	-0.10	61	58	- 4	NW	3	0	5	0	68	59	0.04																	

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, 1st June, 1893.

EXPLANATION OF MAP

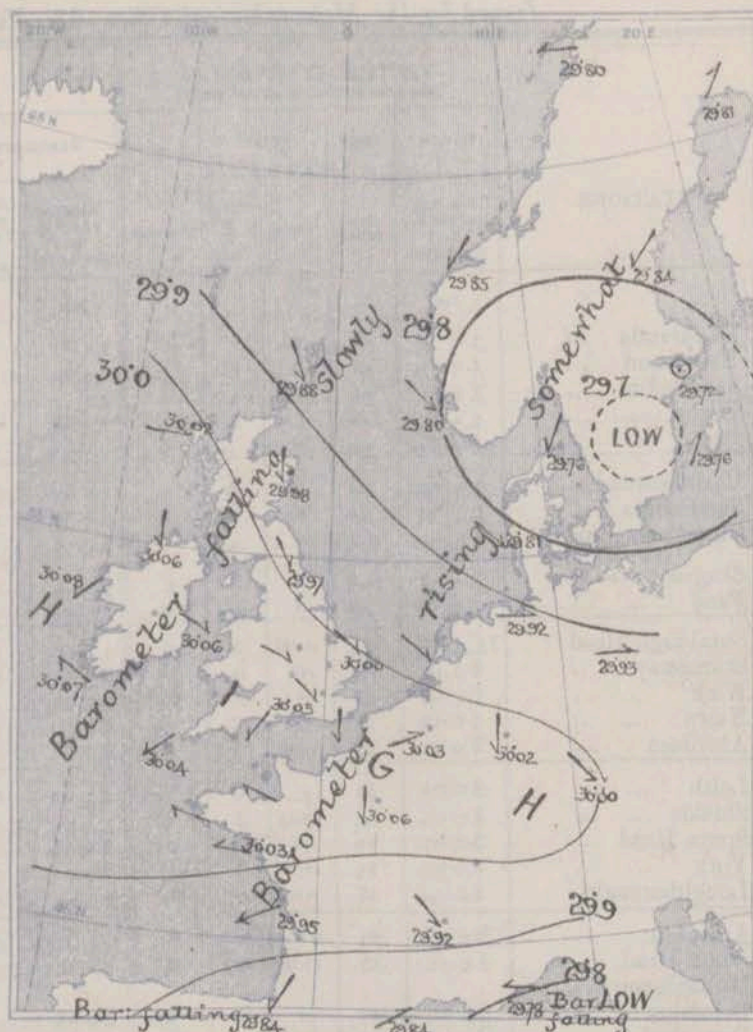
Changes since previous morning are stated in words.

their barbs and feathers refer to force thus—

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

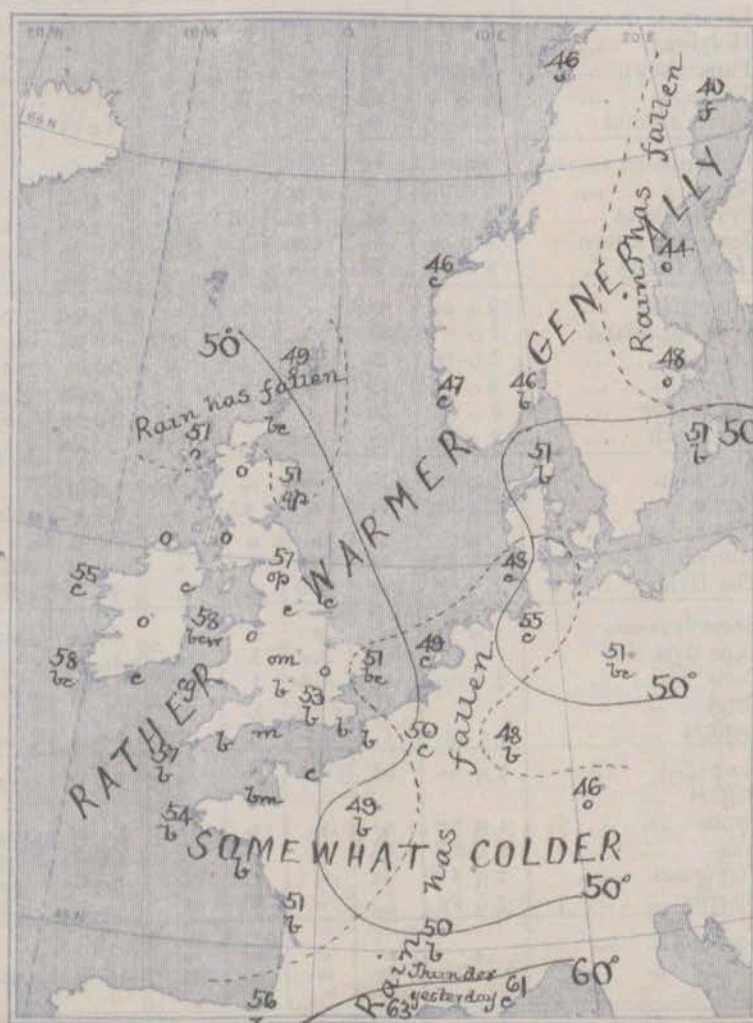
$$\begin{array}{ccc} \longrightarrow & \text{forest } \tilde{a} \text{ to } \tilde{c} & \longrightarrow \\ \downarrow & & \downarrow \\ \longrightarrow & \text{forest } 1 \text{ to } 4 & \longrightarrow \end{array}$$

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



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

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 British Isles, France, the Netherlands, and the western half of the North Sea.
Lowest, about 29.7 in. in a shallow depression over the south of Norway; 29.8 in. and less over the Riviera.

Gradients slight, and mainly favourable for NW winds over our Islands.

Barometer falling slightly in the north and west, steady in the south of our Islands, rising slightly over France, falling over Spain.

TEMPERATURE

Highest, 61° at Nice and Lisbon, 63° at Perpignan, 66° at Langueira.

Lowest, 40° at Kaparandou, 44° at Hovisand, 46° at Hovis and Christiansund, 49° at Lumbagh, 51° at Aberdeen.

It has again been very low over England during the night and first occurred on the grass.

WIND

Moderate to light from NW. over Scotland and the north and east of England; light and very variable over our western districts; NE over the Channel, E to NE over the Bay of Biscay. Over Scandinavia, the Baltic and Germany there is still a cyclonic circulation (round the depression over Sweden), but the winds are only moderate in force.

WEATHER

Bell and unsettled on the eastern shore of the North Sea, slightly showery on our northern coast, fair to clear at our other stations, rising in the south of France. In the last named region, thunderstorms have been prevalent, and the amounts of rain measured this morning are considerable. Slight rain also measured at the Scandinavian stations also.

SEA

Moderate at Aberdeen, slight in the north and east generally, smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The changes of pressure now in progress make it probable that its distribution will be materially altered before long, and that the weather may become less fair generally.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

NW² and Varying breezes;
slight rain at times.

N² and NW² breezes, light, fair at first,
perhaps a slight shower or two later. Warmer.

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.

NE² breezes, light, fine.

Varying airs, fine generally, hazy.

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 ...	29.82.	51	46	HW	7	0	2	Valencia ...	30.13	60	58	N	3	bv	2
Sumburgh Head	29.97	48	45	HW	3	0	3	Scilly ...	30.03	60	54	W	4	c	2
Stornoway ...	30.10	55	52	NE	4	bc	4	Jersey ...	30.04	62	58	ENE	3	bc	3
Aberdeen ...	30.05	51	44	N	3	c	4	Hurst Castle	30.04	58	55	SW	3	bcm	1
Shields ...	30.06	53	48	N	3	b	4	Dungeness...	29.99	57	53	NE	3	c	2
Ardrossan ...	30.06	50	54	W	2	b	1	North Foreland...	30.00	55	49	N	5	bc	3
Malin Head ...	30.10	56	52	N	3	bc	2	London (Westminster)	30.02	57	48	N	2	e	*
Mullaghmore ...								Yarmouth ...	29.99	53	47	N	4	bc	4
Belmullet ...	30.17	57	51	N	4	0	*	Rochefort ...	29.91	77	67	ENE	4	c	*
Holyhead ...	30.11	60	55	N	3	b	2								

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

Weather fair over the greater part of western and northern Europe, but dull over central England and the north of Scotland, with rain at Stornoway. Dull in most of the central countries and also over the northern parts of Italy, with rain at Warsaw, Florence, and Rome. A little rain falling during day in the north of Scotland generally and larger quantities over the southern parts of France and Germany, with thunder at Nice and Perpignan.

Temperature risen a little in the northern part of the United Kingdom, as well as in Norway and the north of Russia, but fallen in most other localities. Morning readings highest 77° at La Caille, 76° at Algiers, 75° at Oran, and 73° at Sfax; above 65° in many parts of southern Europe. Lowest 38° at Haparanda, 40° at Bernstrand, 42° at Wick, 43° at Stockholm and 44° at Christianund; below 50° in most of northern and eastern parts of Great Britain. Rising during day to 60° or a little above it in many parts of the United Kingdom, but remaining below 55° at some of our northern and eastern stations. Reaching 70° or more in the west and south of France, and touching 80° at Perpignan.

Wind light or moderate from the Nth over the greater part of our islands and Scandinavia, E^{ly} in France, variable over central and southern Europe. SW^{ly} or W^{ly} at the Baltic stations, S^{ly} or SE^{ly} over the Gulf of Finland, and also in the south of Russia. SE^{ly} at most of the Algerian stations. Subsequently backing to the NWth in the north and east of Scotland, no important change occurring elsewhere.

Barometer highest 30.1 ins. and upwards in a large anticyclone extending from the Atlantic over Ireland and the coast of Scotland, 30.0 ins. and upwards in smaller systems lying respectively over the south of Italy and over Morocco and the extreme south of Spain. Lowest 29.7 ins. and less, in three depressions, — one lying over Lapland, another over the northern part of the Baltic and the third over the north of Denmark. Shallow low pressure^{system} spreading eastwards later over the southern part of the Bay of Biscay and the southeast 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.

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, 2nd June, 1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	Barom.	Temp.	Wind.	Force	Weather.	Barometer.	Shade Temp.	Wet Bulb.	Change in dry since Yesterday.	Wet Bulb.	Change in dry since Yesterday.	Wind.	Force	Weather.	Sea (0 to 5).	Weather.	Max.	Min.	Amount of Rainfall.
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	(0 to 12).		Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.				Dirac.	(0 to 12).						
	Ina.	°				Ina.		°											Ina.
SCANDINAVIA.	Haparanda ...	29.80	44	2	0	c	29.65	-16	51	48	+11	EHE	2	0	#	bc	52	82	
	Hernösand ...	29.80	40	EHE	2	bc	29.76	-08	49	45	+5	2	0	bc	#	bc	55	34	
	Stockholm ...	29.75	45	2	0	c	29.80	+08	42	46	0	2	0	c	#	c	52	43	0.24
	Wisby ...	29.77	46	S	4	b	29.86	+10	48	46	-3	W	4	b	#	b	59	39	
	Bodö ...	29.78	45	2	0	0	29.71	-09	52	45	+6	E	2	b	1	0	?	41	
	Christiansund...	29.76	48	NW	2	0	29.69	-16	44	42	-2	NSW	5	7	3	0	48	43	0.04
	Skudesnaes ...	29.85	46	NW	7	c	29.83	+03	51	49	+2	W	2	0	2	bc	50	46	
	Christiania Fjord (Fjorder)	29.75	51	NSW	4	b	29.75	-02	53	49	+7	SW	4	b	2	b	?	46	
	Skagen (The Scaw)	29.81	49	2	0	b	29.80	+04	50	45	-1	SW	2	b	1	b	61	43	
	Fanö ...	29.84	47	NW	4	c	29.88	+07	49	44	+1	WNW	3	c	#	c	54	46	
BRITISH ISLANDS.	Sumburgh Head	29.84	50	W	2	0	29.82	-06	48	48	-1	2	0	m	3	c, o	54	44	0.01
	Stornoway ...	29.96	52	NW	2	0	29.89	-13	52	50	+1	2	0	0	2	0	55	47	
	Wick ...	29.92	52	NW	2	0	29.89	-06	50	48	-3	W	1	0	0	0	57	47	
	Nairn ...	29.92	56	E	1	0	29.90	-10	44	50	+1	2	0	c	1	c	60	45	
	Aberdeen ...	29.95	49	S	2	ogt	29.90	-08	54	50	+3	SE	1	c	1	c, ogt	59	46	0.17
	Leith ...	29.94	54	W	1	bc	29.90	-09	55	51	-1	N	1	c	#	bc	64	46	
	Shields ...	29.98	57	E	1	c	29.90	-07	58	53	+1	SW	1	bcm	3	bc, c	58	48	
	Spurn Head ...	29.96	52	NHE	3	bv	29.94	-03	52	52	0	SE	2	c, v	3	o, bv	56	44	
	York ...	29.98	55	NW	1	0	29.94	-07	54	51	+3	S	2	c	#	0	62	48	
	Loughborough	29.97	57	NE	3	0	29.95	-09	54	50	+3	SE	2	bmw	#	0	62	43	
GERMANY & HOLLAND.	Ardrossan ...	29.93	58	SW	2	b	29.90	-11	53	51	0	SE	1	0	0	c, b	61	44	
	Malin Head ...	29.97	53	E	1	b	29.88	-18	52	49	0	ESE	2	0	0	c, b	57	50	
	Mullaghmore ...																		
	Belmullet ...	29.97	59	EHE	2	bc	29.86	-22	59	55	+4	ESE	3	0	#	0, bc	63	50	
	Donaghadee ...	29.97	56	NW	2	c	29.90	-14	52	50	-3	NE	3	m	1	c	62	51	
	Liverpool (Bilston)	29.97	58	NW	1	b	29.90	-15	58	53	+6	SE	2	b	0	b	60	48	
	Holyhead ...	29.98	53	NW	1	b	29.91	-15	59	53	+1	SSW	1	bm	1	b	60	44	
	Parsonstown ...	29.95	61	2	0	c	29.87	-19	58	55	+3	2	0	c	#	c	62	49	
	Valencia ...	29.99	60	SW	2	bcm	29.80	-27	59	54	+1	SE	4	bm	3	bcm	64	49	
	Roche's Point	30.00	61	SSW	3	b	29.84	-24	58	54	+1	ESE	3	b	3	b	64	53	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.97	58	NHE	3	b	29.90	-14	56	54	+3	NE	2	b	1	b	62	46	
	Scilly ...	29.98	59	NW	1	bc	29.88	-16	62	60	+5	S	4	bc	1	c, bc	63	53	
	Prawle Point ...	29.99	56	SW	2	bc	29.93	-12	56	53	+1	SSW	1	bm	0	bc	61	51	
	Jersey (St. Aubin's)	30.00	59	NW	3	bm	29.94	-12	60	54	+2	EHE	3	bm	3	bm	63	45	
	Hurst Castle ...	29.99	57	NSW	3	m	29.94	-11	59	56	+1	W	1	bcm	1	m	63	54	
	Dungeness ...	29.96	56	NSW	3	0	29.93	-09	56	52	-1	E	3	c	2	c, o	62	50	
	North Foreland	29.95	59	SW	3	ogm	29.94	-08	54	51	+2	NE	4	c	2	ogm	59	49	
	London ...	29.96	61	NHE	1	c	29.95	-10	55	52	+2	SE	2	c	#	c, b	65	50	
	Oxford ...	29.97	54	NE	1	b	29.94	-11	52	50	0	ESE	1	0	#	b	64	48	
	Cambridge ...	29.98	55	EHE	2	0	29.97	-06	55	50	+4	EHE	2	c	#	0	61	45	
PENINSULA.	Yarmouth ...	29.96	54	NW	2	bc	29.97	-03	53	48	+2	EHE	3	b	3	c, bc	57	45	0.03
	Cuxhaven ...	29.93	49	W	3	T	29.93	+01	50	?	-5	NE	1	bc	#	T	57	48	0.28
	Berlin ...	29.91	54	SW	3	b	29.95	+02	53	48	+2	SE	1	b	#	b	63	45	
	Wiesbaden ...						29.95	-07	52	48	+4	N	1	bc	#	#	59	45	
	Munich ...	29.97	50	NE	1	b	29.93	-07	52	49	+6	E	5	b	#	b	57	36	
	The Helder ...	29.96	52	NW	4	c	30.00	-00	51	46	+2	N	1	c	#	c	58	48	
	Brussels (9 a.m.)						29.95	-08	53	49	+3	NE	1	0	#	b	60	43	
	Cape Gris Nez	29.97	55	W	1	c	29.93	-09	53	51	+1	E	1	bc	#	c	61	50	
	Paris ...	29.97	60	NHE	2	b	29.95	-11	52	47	+3	NE	2	b	#	b	65	40	
	Brest ...	?	62	NW	2	b	?	?	53	50	-1	E	1	b	1	b	68	46	
FRANCE AND BELGIUM.	Lorient ...	29.95	61	W	5	b	29.91	-12	53	49	+2	EHE	3	b	2	b	66	50	
	Rochefort ...	29.87	68	EHE	4	b	29.87	-08	55	49	+4	E	3	b	#	b	72	48	
	Belfort ...	?	61	NE	1	b	?	?	52	46	+2	E	3	b	#	b	?	39	
	Lyons ...	29.84	62	N	2	b	29.86	-06	54	46	+4	N	1	b	#	b	66	48	
	Nice ...	29.76	60	2	0	T	29.74	-04	58	56	-3	E	2	T	2	T	70	55	1.02
	Perpignan ...	29.78	64	SW	2	0	29.77	-07	63	55	0	NW	3	0	#	0	72	59	0.04
	Biarritz ...	29.84	62	NW	4	b	29.83	-01	59	54	+3	NSW	5	bc	2	b	66	55	0.08
	Corunna ...																		
	Lisbon ...	29.94	62	NW	3	b	29.95	+04	65	58	+4	NW	4	c	#	b	70	59	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Friday, 2nd June, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

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

SEA DISTURBANCE—Where considerable, is shown thus:

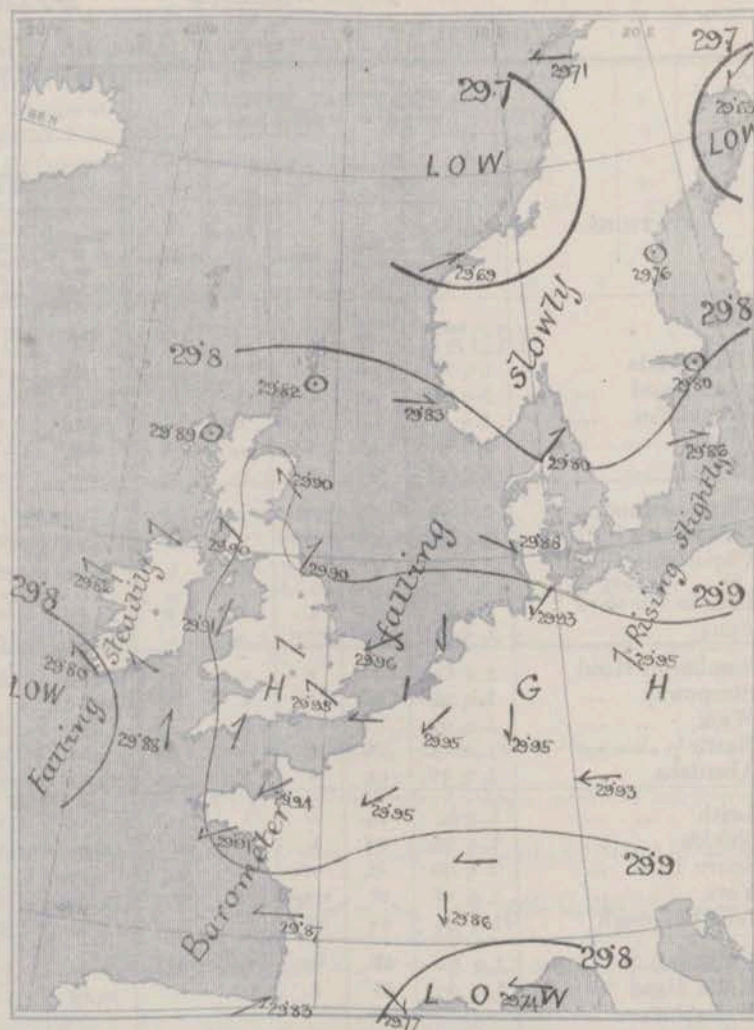
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sunburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.982
Mullaghmore	29.990
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.906
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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 June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sunburgh Head	54.0	45.0	50.3	48.6	1.08
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	50.0	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.2	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 29.9 ins. and more (1) over England, Germany and the north of France; (2) over Portugal and the western parts of Spain.

Lowest 29.7 ins. and less over Finmark and the northern parts of the Gulf of Bothnia; (2) 29.8 ins. and less in a depression off the southwest of Ireland, and also over the southern parts of France and Corsica.

Gradients slight and very irregular. Barometer falling somewhat decidedly on our southwestern coast, slightly at our other stations, - rising at London.

Highest 65° at London, 63° at Perpignan, 62° at Scilly, 60° at Jersey, and 59° at Volsaine (Ireland) & Belmullet.

Lowest 44° at Christiansund, 48° at Sumburg Head, Stockholm and Widby, 49° at Faro.

TEMPERATURE

The maxima recorded yesterday ranged from 60° to 68° over Ireland and England, and were rather higher over central France. In the south of France they exceeded 70°, but in many parts of Germany they failed to touch 60°. The night was much less cold over England than of late.

WIND

Extremely variable - but mainly E^{ly} to S^{ly} over France, England and Ireland; calm in Scotland, W^{ly} and SW^{ly} over Spain and the greater part of Norway, E^{ly} over Lapland.

It has been very variable in direction during the past 24 hours.

WEATHER

Dull at most of the northern stations; with rain at Christiansund. Fine over Ireland, England, the greater part of France and the Bay of Biscay - dull in the south of France, with rain at Nice. Rainfall at Nice exceeds 1 inch.

SEA

Slight to very smooth on our coasts generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general distribution of pressure is of a much less stable type than that recently prevalent, and in any ordinary year would be indicative of the approach of rainy thundering weather.

FORECASTS

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

DISTRICTS.

FORECASTS.

0 SCOTLAND

NORTH

1 SCOTLAND

EAST

2 ENGLAND

N.E.

3 ENGLAND

EAST

4 MIDLAND

COUNTIES

5 ENGLAND

SOUTH

Calm and variable air; fine with rising temperature.

SE^{ly} breezes, light; fine and very warm, uncertain later, but probably rain.

SE^{ly} breezes, light to moderate; fine and warm, less fair later.

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.

S^{ly} and SE^{ly} winds; warm and fair, unsettled 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 ...	29.62	50	44	WNW	6	b	2	Valencia ...	30.02	63	59	SW	2	bc	2
Sumburgh Head ...	29.87	54	52	WNW	3	c	2	Scilly ...	30.02	62	57	ESE	1	c	0
Stornoway ...	29.97	53	50	Z	0	0	2	Jersey ...	30.04	61	53	WNW	3	b	3
Aberdeen ...	29.95	52	49	E	3	c	4	Hurst Castle ...	30.02	62	55	SW	4	m	1
Shields ...	29.99	52	49	NE	3	bc	3	Dungeness ...	29.99	57	51	SW	3	c	3
Ardrossan ...	29.98	57	54	SW	1	c	0	North Foreland ...	29.99	56	52	S	3	0	2
Malin Head ...	30.02	55	51	ENE	2	c	1	London (Westminster) ...	30.00	63	57	N	1	c	3
Mullaghmore ...								Yarmouth ...	29.96	54	51	ESE	3	cp	3
Behnullet ...	30.02	60	56	ENE	2	0	#	Rochefort ...	29.92	72	58	ENE	4	b	*
Holyhead ...	30.03	63	59	SW	2	bc	2								

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

Weather fair over the United Kingdom generally, but showery on our NE coasts. Fine and bright over the northern and central parts of France and the south of Italy, but cloudy in most other parts of the Continent, with rain in the south of France and several parts of Denmark and Germany and with a thunderstorm at Trieste. Considerable amount of rain (1.0 inch) falling at Nice during day and smaller quantities at one or two of our own N.W. & E. stations.

Temperature risen a little over northwestern Europe, as well as in the western and southern parts of Russia, but fallen in most other localities. Morning readings highest 73° at Algiers, 70° at Brindisi and Tunis, and 69° at Aron; above 65° at most of the Mediterranean Stations. Lowest 39° at Archangel, 40° at Haparanda, 44° at Hernösand, and 46° at Bodo, Christiansund and Mander. Rising during day to between 60° and 65° in most parts of the United Kingdom and to between 65° and 70° over the greater part of France, but reaching 72° at Perpignan.

Wind light or moderate from the NW² over the northern and eastern parts of the United Kingdom and fresh or strong from the same quarter on the eastern shores of the North Sea; W² in Germany; SW² over the Baltic, SE² in Finland, and E² or NE² over the northern parts of Scandinavia. Light from NE. on our extreme southwestern and southern coasts and moderate from the same quarter in the west of France and the north of Spain. W² in the south of Spain. Variable in Austria, S² in the south of Russia; N² in Italy, SE² or S² in Algeria. Light SW² breezes setting in later in many parts of Ireland and Scotland, no important change occurring elsewhere.

Barometer highest 30.0 ins. and upwards in an anticyclone covering all but the extreme northern and northwestern parts of our islands, with Belgium, western Germany and the northern parts of France. Lowest 29.8 ins. and less in shallow depressions lying respectively over Lapland, the southern parts of Scandinavia and off the south of France. Slight fall of barometer taking place over western Europe during day, but general distribution of pressure remaining unchanged.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 3rd June,

1893

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)											PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.		Sea (6 to 12).	Weather.	SHADE TEMP.		Amount of Rainfall.			
	Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.			Max.	Min.				
Ins.	°					Ins.											Ins.				
SCANDINAVIA.																					
Haparanda ...	29.66	39	W	2	C	29.73	+0.08	36	36	-15	Z	0	0	4	C	52	34	0.16			
Hernösand ...	29.70	42	SE	6	O	29.76	-0.06	48	42	-1	W	6	bc	4	O	52	32	-			
Stockholm ...	29.82	50	SSW	2	b	29.84	+0.02	53	49	+5	WNW	2	b	6	b	69	41	-			
Wisby ...	29.88	49	S	4	b	29.91	+0.03	50	48	+2	W	4	b	6	b	59	41	-			
Bodö ...	29.69	48	NE	1	bc	29.73	+0.04	45	42	-7	W	2	0	1	bc	52	41	-			
Christiansund...	29.86	46	WNW	2	C	29.88	+0.02	45	42	+1	SW	3	r	2	C	46	41	-			
Skudesnaes ...	29.91	48	WNW	3	O	29.94	+0.03	49	44	-2	WNW	4	0	2	C.O	55	46	-			
Christiania Fjord (Farder)	29.73	54	WNW	3	b	29.83	+0.08	48	46	-5	WNW	2	b	3	b	54	45	-			
Skagen (The Scaw)	29.81	50	W	4	bc	29.85	+0.04	50	48	+3	W	4	b	2	bc	61	32	-			
Fanö ...	29.94	50	W	1	?	29.96	+0.02	51	48	+2	W	3	C	4	?	55	46	-			
Sumburgh Head	29.87	47	WNW	3	C	29.86	+0.01	49	47	+1	Z	0	C	0	C	54	43	-			
Stornoway ...	29.86	54	E	3	C	29.76	-0.10	57	50	-1	Z	0	0	3	O.C	57	45	-			
Wick ...	29.91	53	S	1	O	29.81	-0.10	50	48	-2	S	2	0	0	O	58	46	-			
Nairn ...	29.84	58	NE	2	b	29.82	-0.02	56	54	+2	Z	0	b	1	b	63	38	-			
Aberdeen ...	29.90	52	ESE	2	b	29.85	-0.05	52	51	-2	E	1	C	1	b	58	48	-			
Leith ...	29.84	59	NE	2	bc	29.86	-0.02	50	49	-5	Z	0	bm	4	bc	63	46	-			
Shields ...	29.86	55	SE	3	C	29.90	+0.04	58	55	-3	SW	2	0	3	b.c	59	49	-			
Spurn Head ...	29.90	53	SE	4	bcv	29.93	+0.03	53	52	+1	SE	4	bcv	3	bcv	55	47	-			
York ...	29.88	63	S	8	bc	29.92	+0.04	53	50	-1	S	1	bc	4	bc	68	49	-			
Loughborough	29.89	64	SE	2	C	29.94	+0.05	55	50	+1	SE	2	bc	4	b	70	45	-			
ARDROSSAN	29.83	56	WNW	3	b	29.84	-0.01	61	56	+8	SW	1	bc	0	b	63	45	-			
Malin Head ...	29.77	54	ESE	4	C	29.79	-0.02	54	51	+2	SW	3	og	1	C	57	52	-			
Mullaghmore ...	29.69	65	SE	4	O	29.77	-0.09	57	57	-2	S	4	bc	4	C.O	66	52	0.10			
Belmullet ...	29.83	56	S	3	b	29.85	-0.02	61	58	+3	SW	3	m	1	b	61	52	-			
Donaghadee ...	29.83	56	S	3	b	29.85	-0.02	61	58	+3	SW	3	m	1	b	61	52	-			
LIVERPOOL (Bidston)	29.87	58	WNW	1	O	29.91	+0.04	58	55	-3	ESE	1	C	1	O	63	55	-			
Holyhead ...	29.87	59	SW	2	b	29.89	-0.02	61	55	+2	SW	1	bm	1	b	63	49	-			
Parsonstown ...	29.76	63	NE	1	C	29.85	-0.09	56	53	-3	SW	1	og	3	C.O	67	52	-			
Valencia ...	29.71	58	ESE	4	op	29.86	+0.15	59	56	-3	S	2	C	3	C.O	65	45	0.35			
Roche's Point	29.79	60	S	4	C	29.87	+0.08	56	54	-2	SW	1	C	3	C.P	64	52	0.25			
Pembroke (St. Ann's Hd.)	29.86	57	ESE	1	b	29.90	+0.04	56	54	-2	ESE	2	bm	2	b	61	50	-			
Scilly ...	29.86	62	SE	4	bc	29.88	-0.02	60	57	-3	SE	1	b	0	C.O	64	56	-			
Prawle Point ...	29.88	57	E	2	b	29.91	+0.03	58	54	+2	E	3	bm	2	b	62	51	-			
Jersey (St. Aubin's)	29.86	63	N	2	bm	29.90	+0.04	63	57	+3	ESE	3	bm	3	bm	68	52	-			
Hurst Castle ...	29.90	60	SW	2	m	29.94	+0.04	57	50	-2	ESE	1	bm	1	C.O	63	50	-			
Dungeness ...	29.89	54	E	4	b	29.90	-0.01	60	56	+4	E	2	b	2	b	62	46	-			
North Foreland	29.93	53	ESE	3	b	29.93	-0.01	57	53	+3	ESE	4	b	3	b	58	50	-			
London ...	29.92	59	ESE	2	b	29.95	+0.03	60	52	+5	E	2	b	4	bc.b	66	39	-			
Oxford ...	29.90	58	SE	2	O	29.94	+0.04	56	51	+4	SE	1	b	4	O.b	66	43	-			
Cambridge ...	29.90	65	ESE	2	b	29.94	+0.04	56	52	+1	ESE	1	b	4	b	69	37	-			
Yarmouth ...	29.95	57	E	2	b	29.96	-0.01	58	52	+2	ESE	2	b	3	b	57	50	-			
Cuxhaven ...	29.96	56	WNW	3	b	30.01	+0.05	55	53	+5	E	2	b	4	b	?	50	-			
Berlin ...	29.93	59	N	2	b	29.91	-0.02	57	51	+4	NE	2	0	4	b	66	52	-			
Wiesbaden ...	29.84	54	NE	4	b	29.85	-0.01	58	51	+6	N	1	b	4	?	64	41	-			
Munich ...	29.84	54	NE	4	b	29.82	-0.02	54	50	+2	NE	3	bc	4	b	63	43	-			
The Helder ...	30.00	53	WNW	3	b	30.05	+0.05	54	49	+3	E	2	b	2	b	55	50	-			
BRUSSELS (9 a.m.)	29.91	54	NE	3	b	29.91	-0.04	55	50	+2	NE	2	b	4	b	66	43	-			
Cape Gris Nez	29.90	54	ESE	3	b	29.88	-0.02	54	50	+1	E	2	b	1	b	59	46	-			
Paris ...	29.85	63	WNW	2	b	29.86	-0.01	53	49	+1	N	2	b	4	b	68	45	-			
Brest ...	29.84	66	N	1	b	29.86	-0.02	57	55	+4	Z	0	b	0	b	68	46	-			
Lorient ...	29.84	64	WNW	3	b	29.86	-0.02	55	51	+2	E	3	bc	2	b	68	52	-			
ROCHEFORT	29.78	68	WNW	3	b	29.80	-0.02	59	53	+4	ESE	4	b	4	b	84	50	-			
Belfort ...	29.74	70	ESE	2	b	29.79	-0.05	62	50	+10	ESE	2	b	4	b	73	40	-			
Lyons ...	29.74	68	N	2	b	29.79	-0.05	60	50	+6	WNW	1	b	4	b	72	51	-			
Nice ...	29.72	59	W	1	C	29.67	-0.05	63	57	+5	E	2	b	2	C	64	55	0.20			
Perpignan ...	29.73	70	SE	2	b	29.79	+0.06	60	58	+3	Z	0	b	4	b	77	52	-			
BIARRITZ	29.83	66	NE	2	bc	29.82	-0.01	61	59	+2	WSW	4	0	1	bc	70	55	-			
CORUNNA	29.97	62	SW	4	O	30.09	+0.12	63	55	-2	WNW	5	b	4	?	68	59	0.08			
Lisbon ...	29.97	62	SW	4	O	30.09	+0.12	63	55	-2	WNW	5	b	4	?	68	59	0.08			

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 3rd June, 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

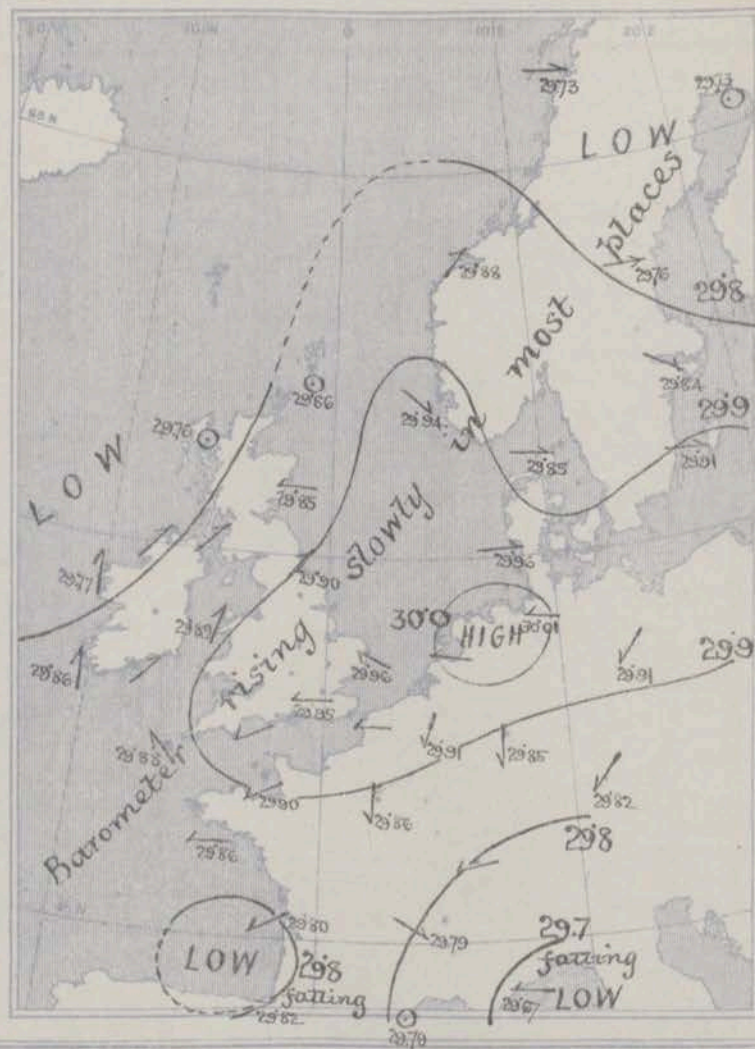
at 8.0 a.m. for the month of June.

During the 29 Years 1871–1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stormoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.910
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Arlrossan	29.992
Mullaghmore	29.996
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.968
Parsonstown	29.972
Valencia	29.975
Roch's Point	29.973
Pembroke	29.974
Scilly	29.996
Pravla Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.982
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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 June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Thrs. In.	Wet.	
Sumburgh Head	54.6	45.0	50.3	48.6	1.98
Stormoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.75
Leith	63.0	47.0	55.0	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	60.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.0	2.22
Arlrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roch's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.5	53.0	57.3	55.2	1.84
Pravla Point	61.5	50.3	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.5	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.39
LONDON	69.1	50.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.6	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 29 years 1871–90, the Rainfall means are mainly those for the 25 years 1865–90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in: and more to 29.9 in: in an anticyclone covering England, the North Sea, Denmark, and North Germany.
Lowest, 29.8 in: and less (1) off our extreme northwest coast, (2) over the northern parts of Scandinavia; and below 29.7 in: over the Rivas and adjacent parts of the Mediterranean.

Gradients slight.

Barometer rising in most places, falling in the south of France.

TEMPERATURE

Highest, 66° at Perpignan, 61° to 63° at the other extreme southern stations, 61° on the shores of the Irish Sea, 60° in London.

Lowest, 36° at Haparanda, 44° to 45° in the northwest of Norway, 48° at Trondheim, 49° at Linnburgh H.

After rising to between 65° and 70° over the inland parts of England yesterday it fell fast at night, and slight frost was recorded on the grass in London and at Cambridge, early this morning.

WIND

Light from the E. at the southern stations and from the S. in the east and north; fresh to strong from W. over Sweden.

WEATHER

Bell at the extreme western and northern stations, with rain at Christiansund; fine elsewhere, and in most places bright. Rain has fallen in the east and south of Ireland and in the south of France, as well as in Lapland, the amounts reported, however, are not large.

SEA

Slight to very smooth on all our own and the Continental coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fine weather is likely to continue in this country.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

S^w winds, light, fine, warmer.

Same as N° 5

E^w and SE^w breezes, light, fine, warm.

DISTRICTS.

FORECASTS.

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



Same as N° 0 to 2.

SE^w breezes, light, fine.

Varying light winds, fine, hazy.

WARNINGS

None issued.

Not.—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	55	50	WNW	4	c	2	Valencia ...	29.72	63	60	SE	5	om	4
Sumburgh Head	29.85	49	48	HW	3	c	3	Scilly ...	29.87	64	58	SSE	4	c	1
Stornoway ...	29.87	57	53	E	2	c	2	Jersey ...	29.90	65	54	EHE	2	b	2
Aberdeen ...	29.90	57	52	SSE	2	b	1	Hurst Castle	29.91	63	57	SW	2	cm	1
Shields ...	29.88	56	53	ESE	2	b	3	Dungeness...	29.91	57	52	E	4	b	3
Ardrossan ...	29.88	60	55	WNW	2	b	1	North Foreland...	29.95	65	50	NE	3	b	2
Malin Head ...	29.83	55	51	ESE	4	c	2	London (Westminster)	29.92	62	53	E	2	b	3
Mullaghmore ...								Yarmouth ...	29.97	57	51	E	2	b	
Belmullet ...	29.75	65	61	SE	4	c		Rochefort ...	29.82	82	64	NE	3	b	
Holyhead ...	29.89	63	55	SW	1	b	1								

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

Weather fine over the greater part of England, Ireland and the Continent. Dull in Scotland, the north of Ireland, and the west of Norway, with rain at Christiansund; rainy in the south of France and also at Trieste; dull over the greater part of Spain and northern Italy. Rain falling during day in the west and south of Ireland, but weather remaining fair and dry in nearly all other parts of Western Europe.

Temperature risen a little in all but the southern countries. Morning readings highest 71° at Brindisi, and 69° at Nemours. Algiers and Constantinople, above 60° over southern and eastern Europe generally, as well as in the Heilly Islands. Lowest (1) 36° at Bangs, 44° at Christiansund and 45° at Helsingfors; (2) 48° at Sumburgh Head; 46° at Prague and 43° at Christiansund. Rising during day to 65° or more over the inland parts of England and Ireland, and reaching 70° at Loughborough. Exceeding 70° over the southern parts of France, and rising to 77° at Perpignan.

Wind light from the NEth or Eth over France, Italy, and the southeast of England; Eth or SEth on many parts of our western and northern coasts, but variable in the north of Scotland, SWth or Wth over Scandinavia, Denmark, and the Baltic. Sth at most of the Russian stations; variable in Germany and Austria; Wth in Spain and Algeria. No important change occurring during day.

Barometer highest 30.0 ins. and upwards over the central and southern part of Russia, as well as over Morocco and the extreme south of Spain; 29.9 ins. and upwards over nearly the whole of Great Britain and Central Europe. Lowest 29.7 ins. and less, in five shallow depressions lying;—(1) over Lapland; (2) off the west of Norway; (3) off the northwest of Spain; (4) off the south of France and (5) near Malta. New disturbances appearing later off the west of Ireland, and moving steadily 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.

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

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

„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Sunday 4th JUNE,

1893

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

Issued by the Meteorological Office, 63, Victoria Street, London. R. 4. 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).	Weather.		Max.	Min.	
	Inch.	°					Inch.		°	°					°	Inch.				
SCANDINAVIA.	Haparanda ...	29.73	43	SW	2	r	29.96	+ .23	46	44	+ 10	N	2	b	#	r	54	30	0.04	
	Hernösand ...	29.93	48	NNW	2	b	30.07	+ .21	49	42	+ 1	NNW	4	b	#	b	63	37	—	
	Stockholm ...	29.92	55	S	2	c	30.09	+ .25	56	50	+ 3	NE	2	b	#	c	64	45	—	
	Wishby ...	29.94	50	S	4	b	30.10	+ .19	50	48	0	NNW	4	b	#	b	63	43	—	
	Bodö ...	29.87	45	W	2	bc	30.08	+ .35	45	42	0	W	2	c	1	bc	50	43	—	
	Christiansund...	30.02	46	WNW	3	bc	30.14	+ .26	47	44	+ 2	SSE	3	bc	2	bc	47	39	0.12	
	Skudesnaes ...	30.00	49	NNW	4	b	30.07	+ .13	50	46	+ 1	WSW	1	c	2	bc, b	54	43	—	
	Christiania Fjord (Fouder)	29.90	54	SSE	3	b	30.07	+ .24	51	48	+ 3	ENE	4	o	2	b	55	48	—	
	Skagen (The Sound)	29.96	50	WSW	4	b	30.10	+ .25	54	51	+ 1	W	4	c	2	b	57	37	—	
	Fanö ...	30.02	48	NNW	4	b	30.11	+ .15	50	48	—	1	W	3	bc	#	b	59	39	—
BRITISH ISLANDS.	Sumburgh Head	29.92	51	SE	1	c	29.94	+ .08	49	48	0	E	3	o	4	c	52	46	—	
	Stornoway ...	29.82	57	SW	6	o	29.90	+ .14	52	51	+ 1	SW	3	c	3	o	61	47	0.05	
	Wick ...	29.90	55	SE	1	o	29.95	+ .14	56	55	+ 6	WSW	2	b	0	b, o	57	42	0.12	
	Nairn ...	29.85	56	E	1	c	29.94	+ .12	57	53	+ 1	WSW	1	bc	1	c	65	43	0.03	
	Aberdeen ...	29.86	54	SE	2	c	29.97	+ .12	61	54	+ 9	SSE	2	bc	1	agpt, c	64	46	0.03	
	Leith ...	29.86	66	SSW	2	b	30.00	+ .14	60	55	+ 10	WSW	2	bc	#	b	71	49	—	
	Shields ...	29.93	60	SW	2	p	30.04	+ .14	59	55	+ 1	SW	3	bc	2	op	67	49	—	
	Spurn Head ...	29.95	55	ESE	4	bc, v	30.08	+ .15	58	57	+ 5	W	2	bc	2	bc, p	58	52	—	
	York ...	29.95	60	SW	2	o	30.10	+ .18	58	54	+ 5	W	1	b	#	o	64	49	—	
	Loughborough	29.96	66	SSW	2	o	30.13	+ .19	61	56	+ 6	WNW	3	bc	#	or	73	49	0.02	
GERMANY & HOLLAND.	Ardrossan ...	29.87	58	SW	3	c	30.00	+ .16	54	53	—	7	SSW	3	o	3	c	60	29	0.01
	Malin Head ...	29.83	55	SW	2	op	29.99	+ .20	55	52	+ 1	SW	4	bc, p	2	op	61	50	0.05	
	Mullaghmore ...	29.85	58	SW	4	bc	30.04	+ .27	57	56	—	0	WSW	4	o	#	bc, p	60	51	0.25
	Belmullet ...	29.87	61	SSW	4	bc	30.05	+ .20	56	54	—	5	SW	3	c	1	b, bc	69	56	0.01
	Donaghadee ...	29.87	61	SSW	4	bc	30.05	+ .20	56	54	—	5	SW	3	c	1	b, bc	69	56	0.01
	Liverpool (Bidston)	29.96	60	S	1	c	30.11	+ .20	60	55	+ 2	WSW	2	o	2	c	68	51	—	
	Holyhead ...	29.94	58	SW	2	c	30.11	+ .22	56	53	—	5	WSW	2	c	2	b, c	66	50	—
	Parsonstown ...	29.90	62	SW	1	? b	30.10	+ .25	57	55	+ 1	SW	1	ag	#	b	65	50	—	
	Valencia ...	29.96	61	SW	4	bc, v	30.17	+ .31	59	57	0	SW	4	o	4	bc, v	63	53	0.05	
	Roche's Point	29.96	61	SW	4	bc	30.19	+ .32	59	55	+ 3	W	4	bc	4	bc	64	52	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.99	56	WSW	3	b	30.18	+ .28	57	55	+ 1	WSW	3	bc	3	b	62	54	—	
	Scilly ...	30.05	59	WNW	3	c	30.25	+ .37	60	57	—	0	WNW	4	cp	3	bc, c	64	54	0.01
	Prawle Point ...	30.02	58	SW	2	bc	30.23	+ .32	58	56	—	0	W	4	bc, v	3	c	61	50	—
	Jersey (St. Aubin's)	30.01	64	NNW	2	bc, v	30.25	+ .35	61	57	—	2	W	4	bc, v	3	bc, v	67	53	—
	Hurst Castle ...	30.01	60	SW	3	bc, v	30.20	+ .26	60	56	+ 3	SW	2	b	1	bc, v	65	52	—	
	Dungeness ...	29.98	58	E	3	b	30.15	+ .25	60	57	—	0	W	1	cp	1	b	63	50	0.01
	North Foreland	30.01	56	NE	3	b	30.13	+ .20	60	55	+ 3	NNW	4	c	2	b	61	49	—	
	London ...	29.97	63	ESE	1	bc	30.18	+ .23	61	55	+ 1	W	2	b	#	bc, op	69	52	0.01	
	Oxford ...	30.01	57	W	1	o	30.17	+ .23	59	55	+ 3	W	3	b	#	op	64	47	0.01	
	Cambridge ...	29.96	57	SE	1	b	30.14	+ .20	61	55	+ 5	SW	2	b	#	o	73	48	—	
PENINSULA.	Yarmouth ...	29.98	58	E	3	b	30.10	+ .14	57	55	+ 2	W	2	bc, v	2	b	59	50	—	
	Cuxhaven ...	30.05	53	N	3	b	30.11	+ .10	54	52	—	1	ENE	3	b	#	b	55	53	—
	Berlin ...	29.95	63	NNE	2	b	30.08	+ .17	59	52	+ 2	NE	2	b	#	b	72	52	—	
	Wiesbaden ...	#	#	#	#	#	30.08	+ .23	60	55	+ 2	N	1	o	#	#	73	46	—	
	Munich ...	29.95	53	SW	3	b	30.11	+ .29	58	53	+ 4	SW	2	b	#	b	61	43	—	
	The Helder ...	30.06	56	NE	4	b	30.18	+ .13	56	52	+ 2	NNW	1	b	1	b	59	52	—	
	Brussels (8 a.m.)	#	#	#	#	#	30.16	+ .25	58	63	+ 3	WNW	2	b	#	b	71	46	0.04	
	Cape Gris Nez	29.97	56	E	2	bc	30.10	+ .22	55	55	+ 1	W	3	o	2	bc	81	50	0.04	
	Paris ...	29.94	66	NNW	2	c	30.20	+ .34	57	51	+ 4	NNW	2	b	#	c	73	48	—	
	Brest ...	#	65	NNW	2	b	#	#	57	54	—	0	WNW	2	bc	3	b	68	48	—
GERMANY & HOLLAND.	Lorient ...	30.06	64	WNW	5	b	30.27	+ .41	59	56	+ 4	NNW	2	bc	3	b	72	55	—	
	Rochefort ...	29.97	64	NNW	4	bc	30.22	+ .42	60	57	+ 1	NNW	3	bc	#	bc	77	55	—	
	Belfort ...	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
	Lyons ...	29.85	71	N	3	b	30.16	+ .37	62	51	+ 2	WNW	3	b	#	b	76	57	—	
	Nice ...	29.77	60	NE	3	c	29.93	+ .26	65	57	+ 2	Z	0	b	1	c	75	55	—	
	Perpignan ...	29.94	69	W	4	o	30.23	+ .44	66	56	—	0	NNW	4	c	#	o	79	62	—
	Biarritz ...	30.04	63	W	5	c	30.28	+ .46	62	59	+ 1	NNW	5	c	3	c	64	48	—	
	Corunna ...	#	#	#	#	#	30.35	+ .30	63	56	—	0	NNE	6	c	3	#	64	46	—
	Lisbon ...	30.21	60	NNW	4	b	30.23	+ .14	67	60	+ 4	NE	4	b	#	b	70	57	—	
	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	

For Explanation of Abbreviations, see page 2.

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, 4 June 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:

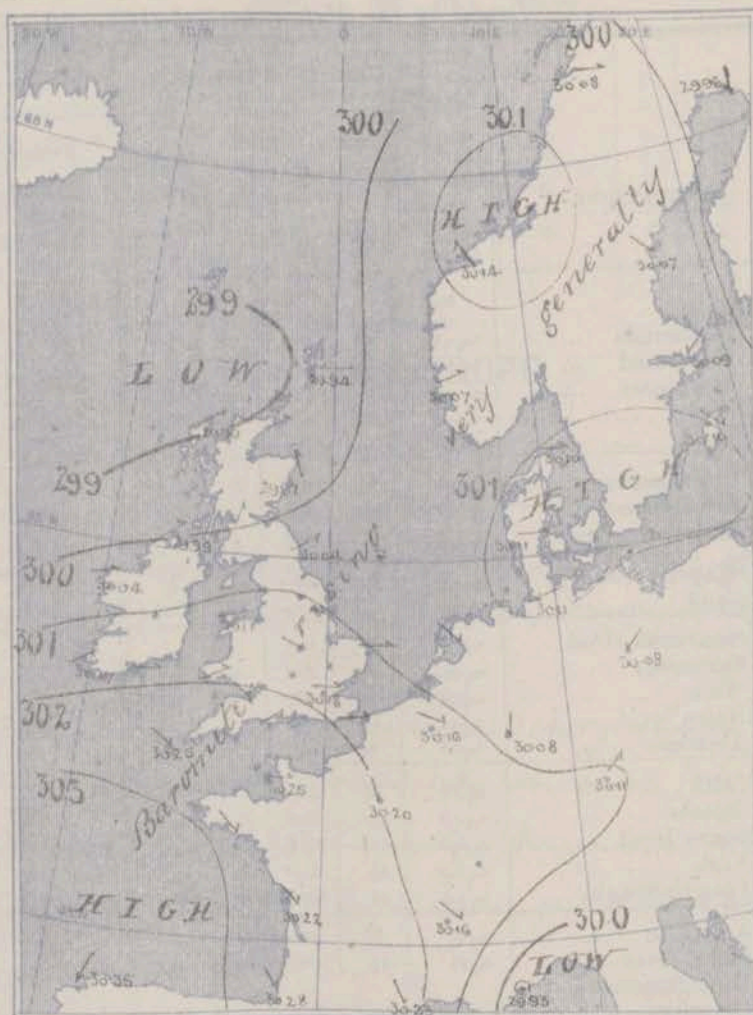
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.893
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.996
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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 June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.0	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	60.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.3	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.0	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	50.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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) 30.3 in. and more to 30.1 in. over the Bay of Biscay, Spain, France, and the southern half of the British Isles;
(2) 30.1 in. and more over Denmark and the south of Sweden and also over the west of Norway;
Lowest, 29.8 in. and less, over the Gulf of Finland; 29.9 in. and less off C. Wall, and also over the Riviera and neighbouring parts of the Mediterranean.
Gradient slight to moderate, and irregular in most places, steep over the Riviera.
Barometer rising in most places, decidedly over the north of Scandinavia, as well as over our southwestern district and the west of France.

TEMPERATURE

Highest, 67° at Lisbon, 63° at Algiers, 62° at Lyons, 61° at Jersey, in London, and at Aberdeen.
Lowest, 45° to 49° over the northern half of Scandinavia, 49° at Lumburg Ht., 50° at Fimi.
The maxima recorded yesterday were as high as 69° to 73° over the inland parts of England and at Leith, but were several degrees lower in Scotland generally.

WIND

(1) W¹ over Ireland and England, SW¹ to S¹ in Scotland, E¹ at Lumburg Ht.; (2) NW¹ in the west of France, NE¹ over Spain and Portugal; (3) Very variable over the eastern shores of the North Sea.

WEATHER

Fine and bright over Spain, France, and the south and east of England; cloudy and unsettled in the west and north of our islands, with showers at Leith, Valencia, and Malaga Ht.
A little rain has fallen in the north and northwest, and slight showers at some of our southern stations, and at Cape May and Puerto Rico.

SEA

Moderate at Lumburg Ht., and off the south coast of Ireland, slight in the Channel, smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 5th JUNE 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.				
Skudesnes ...	29.44	54	46	WNW	4	bc	2	Valencia ...	29.93	62	60	SW	4	bc	4
Strathburgh Head ...	29.42	51	49	SE	1	c	1	Scilly ...	29.97	62	57	NN	1	bc	1
Stornoway ...	29.79	61	56	SW	6	c	5	Jersey ...	29.96	66	58	NE	3	b	3
Aberdeen ...	29.45	56	54	S	2	ogpt	1	Hurst Castle ...	29.98	64	58	SSW	3	cm	1
Shields ...	29.90	61	57	E	1	o	3	Dungeness ...	29.94	62	58	E	4	b	3
Ardrossan ...	29.87	59	56	SW	3	bc	2	North Foreland ...	29.98	59	55	NE	4	b	3
Malin Head ...	29.32	59	55	E	2	o	0	London ...	29.94	66	54	FNE	2	bc	*
Mullaghmore ...								Yarmouth ...	29.99	58	53	ESE	2	b	3
Belmullet ...	29.82	58	57	SW	4	bcp	*	Rochefort ...	29.90	73	64	NNW	3	b	*
Holyhead ...	29.43	64	57	SW	2	b									

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

Weather fine over Great Britain, France, and Spain, as well as over Sweden, Finland, the Baltic, and many parts of Germany. Dull in Ireland and also in the west of Norway, and most parts of Russia, Austria, and Italy; rain falling at many of the Italian stations. Showers falling during day in various parts of the United Kingdom; thunderstorms occurring at Nice and Livorno.

Temperature changed very irregularly. Morning readings highest 77° at Constantinople, 75° at Brindisi, 72° at Algiers, 71° at Paris, and 68° at Barcelona, Palma, and Tunis, above 65° at most of the Mediterranean stations, and also over the southern parts of Russia; above 60° on some parts of our own northwestern coasts. Lowest 36° at Haparanda, 43° at Helsingfors, 44° at Christiansund, 45° at Hango, and 46° at Hernösund and Gäddede. Rising during day to 65° and upwards in many parts of the United Kingdom, and reaching 73° at Loughborough, Cambridge. Exceeding 75° in the southern parts of France and Italy, and reaching 84° at Brindisi.

Wind light from the S^W or S^Wnd in the west and north of our Islands, and from the Wnd over Scandinavia, Denmark, and the Baltic. Light from the End or NEnd over the Netherlands, Germany, France, and the south and southeast of England, but SWnd or Wnd over Algeria and the south of Italy. Subsequently shifting to the SWnd in the west and south of England; no decided change occurring elsewhere.

Barometer highest 30.1 ins. and upwards in an anticyclone lying off the south of Spain; 30.0 ins. and upwards over the Black Sea and the south of Russia; 29.9 ins. and upwards in a large area extending from Russia across north Germany and the Baltic to the Netherlands, England, and the North Sea. Lowest 29.5 ins. and less in a well-marked depression over the Adriatic; 29.7 ins. and less over Lapland; 29.8 ins. and less in the extreme northwest of our Islands. Adriatic depression filling up later; no other change of importance occurring over Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE I.

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

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

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

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" Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on *Monday, 5th June,*

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.			
				Force (0 to 12).	Dir.		Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).			Max.	Min.				
Inch.		°				Inch.	°	°	°								°	Inch.			
SCANDINAVIA.	Haparanda ...	30.16	45	2	0	c	30.31	+ .27	46	42	0	E	2	0	c	54	34	-			
	Hernösand ...	30.27	50	2	0	b	30.29	+ .22	49	43	0	S	2	0	b	64	39	-			
	Stockholm ...	30.25	49	NE	2	b	30.31	+ .22	54	48	+ 3	ESE	2	0	b	61	48	-			
	Visby ...	30.21	48	S	4	b	30.28	+ .18	55	48	+ 5	E	4	0	b	63	43	-			
	Bodo ...	30.24	48	2	0	b	30.34	+ .26	46	43	+ 1	NNE	4	0	b	52	39	-			
	Christiansund...	30.15	51	NE	4	b	30.23	+ .09	50	48	+ 3	NE	1	m	1	b	54	45	-		
	Skudesnaes ...	30.14	53	S	2	0	30.19	+ .12	53	50	+ 3	SE	1	of	2	of	58	43	-		
	Christiania Fjord (Fjord)	30.13	52	SSE	4	0	30.20	+ .13	53	51	+ 2	SE	4	0	1	0	59	50	-		
	Skagen (The Seaw)	30.14	49	W	1	m	30.18	+ .08	53	51	- 1	SSW	1	0	0	m	61	46	-		
	Fanö ...	30.17	49	NW	2	b	30.19	+ .08	54	52	+ 4	NW	2	0	0	b	59	48	-		
BRITISH ISLANDS.	Sumburgh Head	29.99	50	E	1	m	30.20	+ .26	50	50	+ 1	NE	1	m	3	m	51	47	-		
	Stornoway ...	30.01	53	2	0	r	30.19	+ .29	55	52	+ 3	S	2	0	c, r	59	40	0.20			
	Wick ...	30.05	58	N	2	b	30.25	+ .30	57	54	+ 1	N	1	0	p, b	58	40	0.17			
	Nairn ...	30.05	56	E	1	c	30.22	+ .28	55	53	- 2	W	1	0	c	64	40	0.26			
	Aberdeen ...	30.07	52	NE	1	op	30.24	+ .27	55	52	- 6	E	2	0	l, p, b	65	46	0.55			
	Leith ...	30.04	61	W	3	c	30.24	+ .24	62	54	+ 2	WSW	2	0	c	69	48	0.15			
	Shields ...	30.09	62	W	3	c	30.22	+ .18	59	54	0	NW	3	0	tl, r	65	47	0.08			
	Spurn Head ...	30.13	56	SSE	2	c	30.22	+ .14	54	53	- 4	WNW	2	0	tl, r	66	50	0.54			
	York ...	30.15	61	W	3	c	30.25	+ .15	57	53	- 1	SW	2	0	tl, c	68	60	0.13			
	Loughborough	30.18	63	WNW	2	c	30.26	+ .13	61	56	0	W	3	0	tl, p	70	52	0.13			
GERMANY & HOLLAND.	Ardrossan ...	30.10	58	W	2	c	30.25	+ .25	57	54	+ 3	SSW	1	0	c	59	48	-			
	Malin Head ...	30.08	58	W	4	b	30.23	+ .24	54	54	- 1	SE	2	om	1	o, b, m	61	52	-		
	Mullaghmore ...	30.15	58	SW	2	0	30.23	+ .19	59	58	+ 2	SW	2	0	0	60	55	0.32			
	Belmullet ...	30.16	58	NE	3	bcp	30.26	+ .21	56	55	0	SE	4	0	2	bcp	65	54	0.06		
	Donaghadee ...	30.18	62	W	5	b	30.28	+ .17	59	55	- 1	W	3	0	b	64	55	0.04			
	Liverpool (Bidston)	30.17	59	SW	4	b	30.27	+ .16	55	55	- 1	SW	3	0	c, b	62	53	0.18			
	Holyhead ...	30.20	57	SW	1	r	30.27	+ .22	59	58	+ 2	SW	1	0	o, r	63	53	0.18			
	Parsonstown ...	30.25	60	SW	4	om	30.34	+ .17	60	59	+ 1	SSW	3	om	3	c, om	63	53	0.03		
	Valencia ...	30.23	62	WSW	4	b	30.33	+ .14	62	59	+ 3	WSW	2	0	p, b	64	58	0.15			
	Roche's Point	30.26	57	WSW	4	c	30.31	+ .13	56	55	- 1	W	4	0	c	60	54	0.04			
FRANCE AND BELGIUM.	Scilly ...	30.34	62	W	3	b	30.39	+ .14	60	58	+ 3	WSW	3	0	c	65	57	-			
	Prawle Point ...	30.31	58	WSW	5	b	30.36	+ .13	61	58	0	W	5	0	b	63	54	-			
	Jersey (St. Aubin's)	30.35	62	WNW	4	b	30.41	+ .16	61	58	0	W	4	0	b, b	64	56	-			
	Hurst Castle ...	30.27	61	WSW	4	b	30.33	+ .13	60	57	0	W	4	0	tl, p, b	63	43	0.11			
	Dungeness ...	30.19	60	WSW	5	0	30.27	+ .12	59	58	- 1	WSW	3	0	b, o, p	65	50	0.03			
	North Foreland	30.21	68	SW	2	b	30.26	+ .13	61	51	+ 1	NW	4	0	b, o, t	69	53	-			
	London ...	30.21	66	WNW	2	c	30.28	+ .10	61	57	0	WSW	3	0	b, o, b	73	53	-			
	Oxford ...	30.25	59	WSW	3	b	30.30	+ .13	59	56	0	NW	2	0	tl, r, b	69	55	0.33			
	Cambridge ...	30.19	65	WSW	3	b	30.27	+ .13	58	57	- 3	WSW	4	0	b	75	51	0.13			
	Yarmouth ...	30.17	56	N	2	c	30.21	+ .11	57	55	0	NW	2	0	tl, c	61	50	0.12			
PENINSULA.	Cuxhaven ...	30.17	54	NNE	3	c	30.23	+ .12	55	54	+ 1	NW	1	0	c	60	52	0.12			
	Berlin ...	30.10	63	NE	3	b	30.17	+ .09	57	51	- 2	NW	2	0	b	73	50	-			
	Wiesbaden ...	30.25	51	W	3	r	30.28	+ .20	58	54	- 2	NE	1	0	0	68	55	0.20			
	Munich ...	30.25	51	W	3	r	30.31	+ .20	55	51	- 3	SW	5	0	r	68	48	0.35			
	The Helder ...	30.24	59	W	1	b	30.25	+ .07	58	55	+ 2	W	2	0	b	63	54	-			
	Brussels (9 a.m.)	30.28	56	W	4	b	30.23	+ .13	57	56	+ 2	W	3	0	b	59	54	-			
	Cape Gris Nez	30.26	68	NW	3	b	30.37	+ .17	57	52	0	W	2	0	b	75	48	-			
	Paris ...	30.26	65	NW	2	b	30.44	+ .17	58	56	- 1	WNW	2	0	b	70	52	-			
	Brest ...	30.36	63	W	5	b	30.44	+ .17	58	56	- 1	NW	3	0	b	66	55	-			
	Lorient ...	30.32	63	WNW	5	b	30.36	+ .14	59	57	- 1	ENE	2	0	b	68	55	-			
FRANCE AND BELGIUM.	Belfort ...	30.23	68	W	3	b	30.35	+ .19	61	51	- 1	NW	2	0	b	74	54	-			
	Lyons ...	30.23	69	NW	3	b	30.35	+ .19	61	51	- 1	NW	2	0	b	74	54	-			
	Nice ...	30.03	62	NE	4	c	30.12	+ .19	65	54	0	ENE	2	0	c	72	55	0.08			
	Perpignan ...	30.23	73	W	3	b	30.33	+ .10	67	56	+ 1	NW	4	0	b	77	62	-			
	Biarritz ...	30.34	65	NW	4	b	30.35	+ .07	63	59	+ 1	ESE	2	0	b	70	55	-			
	Corunna ...	30.20	68	WNW	5	b	30.21	+ .02	70	59	+ 3	NE	4	0	b	79	64	-			
	Lisbon ...	30.20	68	WNW	5	b	30.21	+ .02	70	59	+ 3	NE	4	0	b	79	64	-			

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Monday, 5th June, 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:

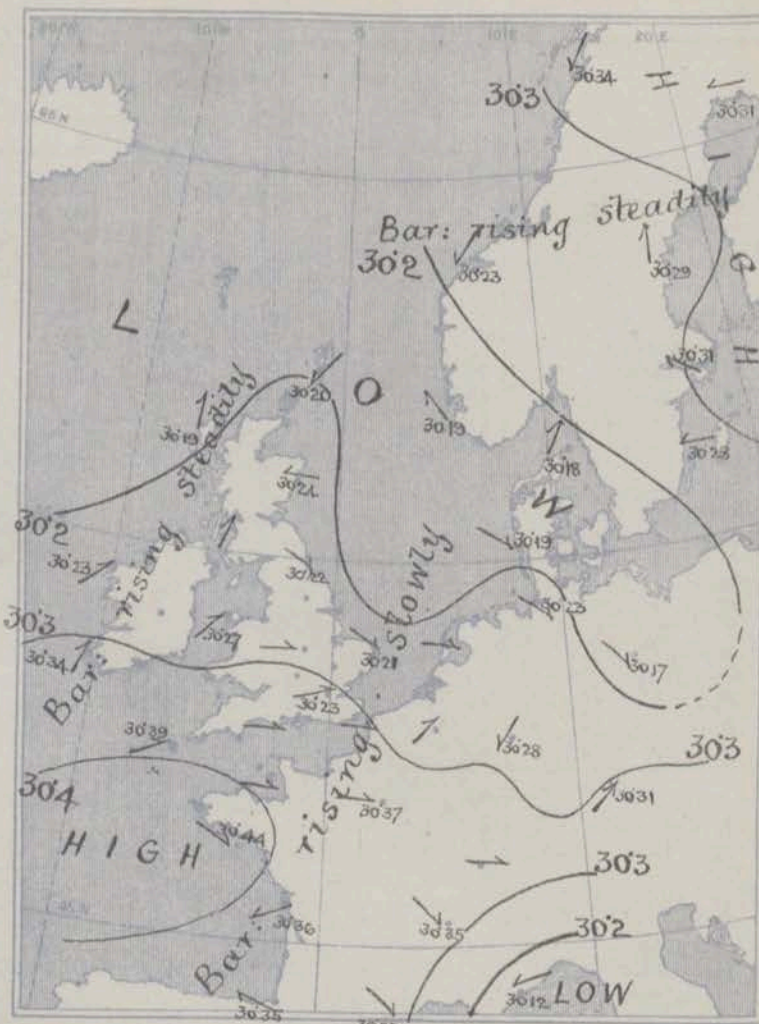
▨ = Rough. ▩ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871–1890.

STATIONS.	MEAN READINGS.
Samburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Seilly	29.966
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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.

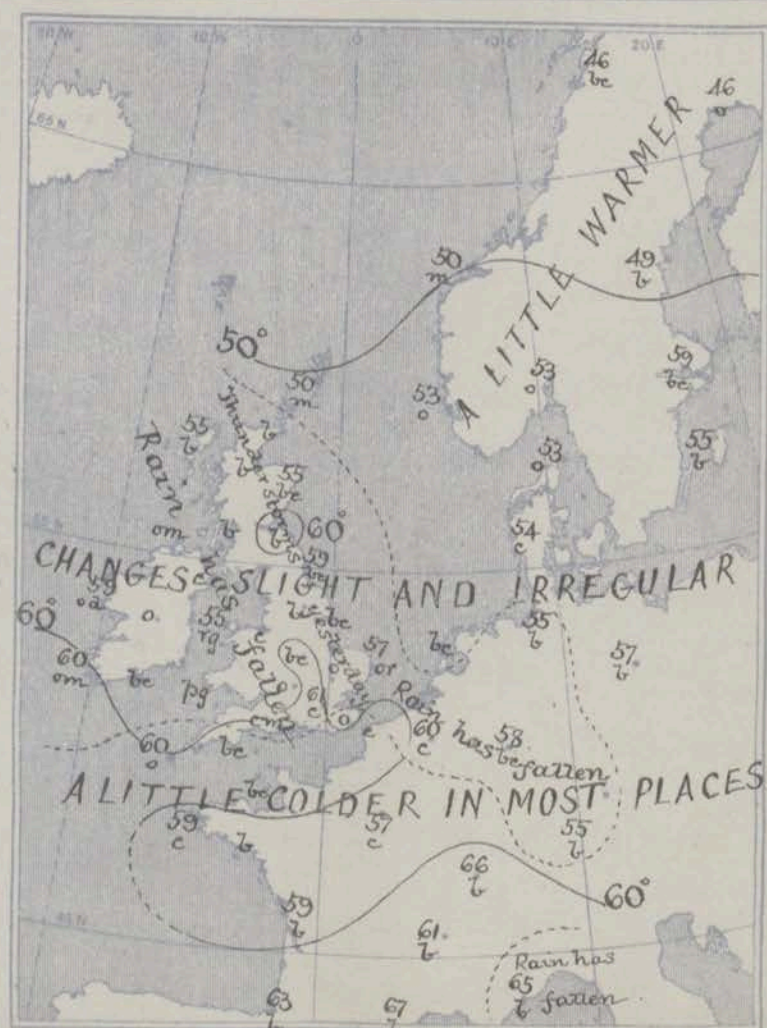
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE*				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Samburgh Head	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.62
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.47
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Seilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	60.1	50.6	58.3	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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, 30.4 in. and more to 30.3 in. over the Bay of Biscay, France, and the south of our Islands; 30.3 in. and more over Lapland, Finland, and the Baltic.
 Lowest, 30.2 in. and less, in an irregularly shaped "hollow" extending from the Shetlands across the North Sea to Denmark, and North Germany.
 Gradients slight and irregular. Barometer rising in the north and west, changing very little in the south.

TEMPERATURE

Highest, 70° at Lisbon, 63° to 67° in the southwest and south of France, 60° to 62° in the southern parts of Ireland and England and at Leth.
 Lowest, 46° to 49° over the north of Scandinavia, 50° at Lumburg H.
 After rising to between 70° and 75° in many parts of England yesterday it subsequently fell briskly on showers and heavy clouds passed over.

WIND

Chiefly from NW. over North Germany, from W. over England and the north of France, from between SW and SE. over Ireland.
 In Scotland it is very variable, in Norway E.; in the southwest of France also it is E., and at Lisbon NE.
 A strong squall from NW. was felt in many parts of London yesterday.

WEATHER

Fine and bright over France, fair in many parts of our Islands, but showery at Holyhead, Pembroke and Yarmouth, and very cloudy at many stations.
 Rain fell in most parts of the Kingdom yesterday, and thunderstorms were felt very generally in the northeast, east and southeast of England.
 A very fine solar halo was seen at Lumburg about noon.

SEA

Slight or smooth on our coast generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further showers of rain are probable in most places, but less in the south of England than elsewhere.

FORECASTS

For the 24 hours ending at NOON on 6th JUNE, 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, bright intervals.

Same as N° 5.

SW² and W² winds, moderate or fresh; some showers, bright intervals.

DISTRICTS.

FORECASTS.

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

S¹ and SW¹ breezes, moderate; passing showers.

Same as N° 5.

S¹ and SW¹ breezes, moderate; passing showers, bright intervals.

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	30.11	58	51	WSW	2	c	2	Valencia ...							
Sumburgh Head								Scilly ...							
Stornoway ...	29.97	59	54	SW	3	c	3	Jersey ...	30.33	64	59	W	4	bc	3
Aberdeen ...								Hurst Castle							
Shields ...								Dungeness ...	30.18	62	58	WSW	5	bc	4
Ardrossan ...								North Foreland ...	30.18	63	58	SE	4	bc	2
Malin Head ...	30.08	59	55	W	4	o	2	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	30.12	60	60	SW	4	o	2	Rocheport ...	30.30	66	60	HW	5	b	*
Holyhead ...	30.17	57	54	SW	4	c	3								

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

Weather fine over the greater part of western, northern and central Europe, but showery in the west and north of Ireland. Cloudy or overcast in Italy and the central and southern parts of Russia, rain falling at Hango and Lemberg. Thunderstorms with heavy local rains occurring during day in several of the eastern, central and southeastern parts of Great Britain; rain falling also at most of our western stations, as well as in Germany.

Temperature risen in most places. Morning readings highest 79° at Constantinople, 77° at Brindisi, 75° at Sfax, and 72° at Palermo, Algiers and La Calle, above 65° in most parts of southern and eastern Europe, and a little above 60° in several parts of Great Britain. Lowest 44° at Hango, 45° at Rode, 46° at Haparanda and Uleaborg, and 47° at Christiansund. Rising during day to between 60° and 65° in Ireland, and to between 65° and 70° in many parts of Great Britain, reaching 75° in London, and 75° at Cambridge. Daily maxima over France varying between 75° and 80°.

Wind light to moderate from the SWnd or Wnd in our Islands, from the NWth in France, and from the NEth in Spain. Variable over Scandinavia and northern Russia, Nth in Germany and Austria, SEth or Eth in the south of Russia; variable in Italy. No important change occurring over western Europe during day.

Barometer highest 30.5 ins. and upwards over the Bay of Biscay and the northern parts of Spain, 30.0 ins. and upwards in an anticyclone of irregular form covering the greater part of western, northern and central Europe, and extending southwards over the Mediterranean. Lowest 29.7 ins. and less in a depression over the south of Russia; 29.9 ins. and less in two other depressions, one lying over Lapland, and the other off the north of Scotland. General rise of barometer taking place during day and anticyclone over Bay of Biscay spreading northwards.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 28th MAY TO 3rd JUNE 1893.

In the course of this week the eastern portion of an anticyclone, the main body of which lay over the Atlantic, has covered the British Islands and France, while low-pressure systems of no great depth have been formed over Scandinavia and the Baltic. The latter and their secondaries have caused some showers over various parts of the Kingdom, but at the majority of stations the rainfall was much below the mean and over some western and southern districts there has been no fall at all.

The wind was mainly from the NWnd or Nnd and of little force, until nearly the end of the week, when it first lulled to almost a calm and then as the anticyclone moved eastwards began to shift to the southwards. Temperature has not been high.

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; y); 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, 6TH JUNE, 1893

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

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.	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.		
																			Inch.	°
SCANDINAVIA.	Haparanda ...	30.36	46	W	2	b	30.48	+12	50	47	+4	SW	2	b	*	b	57	54	—	
	Hernösand ...	30.33	49	SW	2	c	30.38	+06	51	47	+4	2	0	b	*	c	59	57	—	
	Stockholm ...	30.33	52	2	0	b	30.37	+06	60	53	+7	E	2	bc	*	b	64	41	—	
	Wisby ...	30.30	51	E	4	b	30.32	+04	62	54	+8	SE	4	b	*	b	64	41	—	
	Bodö ...	30.33	46	NNE	4	b	30.36	+02	47	42	+5	NNE	4	b	*	b	47	41	—	
	Christiansund...	30.31	51	NE	5	bc	30.37	+16	53	46	0	NE	4	f	2	bc	58	46	—	
	Skudesnaes ...	30.28	51	NW	6	m	30.34	+15	50	48	-2	NW	4	c	2	c, m	54	46	—	
	Christiania Fjord (Færder)	30.25	56	SW	2	b	30.32	+12	54	53	+1	NNE	3	b	1	b	59	52	—	
	Skagen (The Seaw)	30.25	57	E	1	bc	30.29	+11	54	53	+1	NE	1	bc	0	bc	60	46	—	
	Fanö ...	30.25	56	2	0	c	30.30	+11	53	51	-1	NNE	3	c	*	c	60	53	—	
BRITISH ISLANDS.	Sumburgh Head	30.28	51	2	0	c	30.30	+10	52	50	+2	SE	2	b	0	c	54	43	—	
	Stornoway ...	30.22	62	2	0	b	30.18	-04	57	56	+2	SW	5	0	4	c	54	47	0.06	
	Wick ...	30.32	58	SW	2	b	30.28	0.0	57	54	0	2	2	bc	1	b	60	49	—	
	Nairn ...	30.24	65	E	1	b	30.21	-03	60	57	+3	E	1	c	1	b	66	54	—	
	Aberdeen ...	30.23	53	SW	2	b	30.30	+06	58	52	0	SW	3	b	2	b	57	45	—	
	Leith ...	30.29	60	SW	1	bc	30.29	+05	56	53	-6	2	0	0	*	bc	60	49	—	
	Shields ...	30.33	54	NE	2	b	30.37	+13	54	52	-5	SE	3	m	2	c, b, f	61	45	—	
	Spurn Head ...	30.31	58	NNE	4	b	30.40	+18	57	49	-8	ENE	2	0	2	b	59	48	—	
	York ...	30.31	64	ENE	1	b	30.40	+15	50	50	-7	NE	2	0	*	b	65	44	—	
	Loughborough	30.31	66	ENE	1	c	30.41	+15	50	49	-11	SE	1	omw	*	c	65	42	—	
BRITISH ISLANDS.	Ardrossan ...	30.28	57	2	1	b	30.29	+02	58	57	+1	SW	1	dm	1	b	63	54	0.12	
	Malin Head ...	30.26	58	E	1	om	30.22	-04	56	56	+2	2	4	odp	1	om	62	54	0.10	
	Mullaghmore ...	30.26	57	2	2	T	30.24	+01	55	53	-4	W	2	T	*	c, T	60	54	0.21	
	Beimullet ...	30.31	57	SE	3	m	30.28	+02	53	53	-1	SE	3	f	1	m	59	54	0.10	
	Donaghadee ...	30.31	57	SE	3	m	30.28	+02	53	53	-1	SE	3	f	1	m	59	54	0.10	
	Liverpool (Bldston)	30.34	57	NW	1	0	30.35	+07	60	56	+4	SE	2	0	2	0	65	56	—	
	Holyhead ...	30.33	57	W	1	0	30.33	+06	56	55	+1	SW	4	c	3	0, 0	61	54	0.23	
	Parsonstown ...	30.30	64	2	0	0	30.28	+01	57	56	0	SE	1	0	*	0	65	52	—	
	Valencia ...	30.34	61	2	2	om	30.32	-02	58	58	-5	NW	3	f, m	2	om	64	54	0.20	
	Roche's Point	30.35	64	SW	3	bc	30.33	0.0	57	56	-3	SW	3	c	3	bc	65	54	—	
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	30.37	58	W	2	c	30.37	+06	57	55	+1	SW	2	c, f	2	c	61	54	0.23	
	Scilly ...	30.42	62	W	3	bc	30.37	0.0	62	58	+4	SW	1	bc	3	bc	65	54	—	
	Prawle Point ...	30.38	64	W	3	bc	30.30	+08	61	58	0	W	2	bc	1	bc	69	51	—	
	Jersey (St. Aubin's)	30.40	63	NW	4	bc	30.37	-02	66	61	+5	NW	2	b	2	bc	66	56	—	
	Hurst Castle ...	30.34	61	W	2	c, f	30.38	+04	61	60	+1	E	1	m, c	1	c, f, c, f	61	58	0.09	
	Dungeness ...	30.28	57	2	0	bc	30.30	+12	57	54	-2	ENE	1	c	1	f, bc	65	46	0.08	
	North Foreland	30.31	58	E	2	b	30.37	+13	56	52	-5	NE	2	0	1	b, b	64	51	—	
	London ...	30.28	67	NW	2	bc	30.42	+14	50	48	-11	E	2	0	*	c, b	72	48	—	
	Oxford ...	30.23	63	NW	2	bc	30.37	+09	57	54	0	NE	1	c	*	bc	71	50	—	
	Cambridge ...	30.31	65	NNE	3	c	30.43	+16	52	51	-6	ENE	2	0	*	c	69	44	0.07	
BRITISH ISLANDS.	Yarmouth ...	30.28	58	N	3	bc	30.38	+17	55	52	-2	NE	3	om	3	b, b, bc	69	50	0.13	
	Cuxhaven ...	30.21	58	N	3	b	30.31	+08	58	56	+2	NNE	3	m	*	b	57	55	—	
	Berlin ...	30.11	63	NW	3	c	30.18	+07	57	53	+4	NW	4	b	*	c	73	52	—	
	Wiesbaden ...	30.25	61	NW	4	bc	30.28	-03	56	53	-2	N	2	0	*	b	68	48	0.95	
	Munich ...	30.20	57	SW	4	bc	30.23	-03	50	50	-5	W	3	T	*	bc	63	48	0.12	
	The Helder ...	30.31	55	N	4	c	30.37	+14	56	52	-2	N	2	c	2	c	61	54	—	
	Brussels (9 a.m.)	*	*	*	*	*	30.37	+09	55	52	-5	NW	3	0	*	b	64	48	0.20	
	Cape Gris Nez	30.27	59	E	1	bc	30.34	+11	54	54	-1	ENE	1	0	1	bc	64	48	—	
	Paris ...	30.32	64	NW	3	0	30.37	+02	53	50	-4	NNE	3	0	*	0	71	50	—	
	Brest ...	30.37	64	NW	2	c	30.37	0.0	54	54	-5	NE	1	c	2	c	70	46	—	
FRANCE AND BELGIUM.	Lorient ...	30.37	62	NW	5	c	30.37	-05	54	52	-4	NE	3	bc	2	c	68	52	—	
	Roche fort ...	30.33	64	NW	4	b	30.32	-04	60	57	+1	E	3	b	*	b	72	54	—	
	Belfort ...	30.33	65	NW	2	bc	30.33	0.0	58	53	-5	W	3	0	*	bc	70	48	0.08	
	Lyons ...	30.28	67	NW	3	c	30.30	-05	58	53	-5	N	2	bc	*	c	74	55	—	
	Nice ...	30.28	68	NW	1	b	30.37	+15	66	57	+9	E	1	b	1	b	70	55	—	
	Perpignan ...	30.25	75	NW	4	b	30.24	-09	70	57	+13	NW	3	0	*	b	75	63	—	
	Biarritz ...	30.38	66	N	4	b	30.30	-08	61	58	-2	2	0	0	*	b	70	55	—	
	Corunna ...	30.17	74	N	4	b	30.15	-06	74	60	+14	NNE	4	b	*	b	86	64	—	
	Lisbon ...	30.17	74	N	4	b	30.15	-06	74	60	+14	NNE	4	b	*	b	86	64	—	
	Lisbon ...	30.17	74	N	4	b	30.15	-06	74	60	+14	NNE	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 Tuesday 6th June, 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:

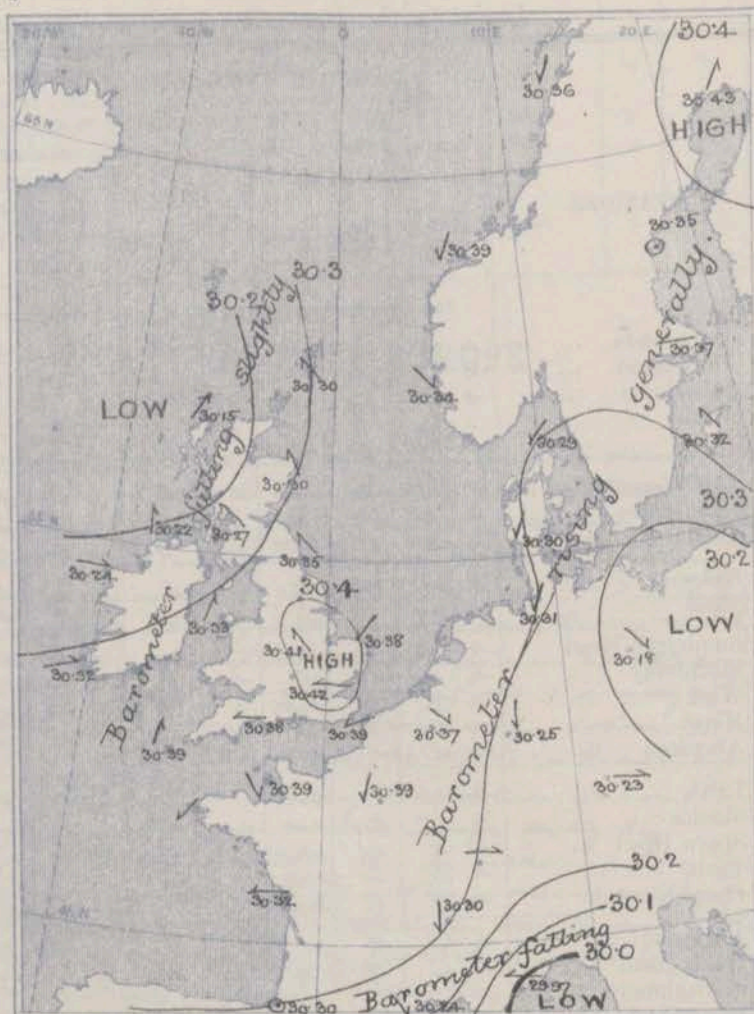
▨ = Rough. ▩ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
	in.
Samburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardsrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.996
Prawle Point	30.007
Jersey	30.010
Harst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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.

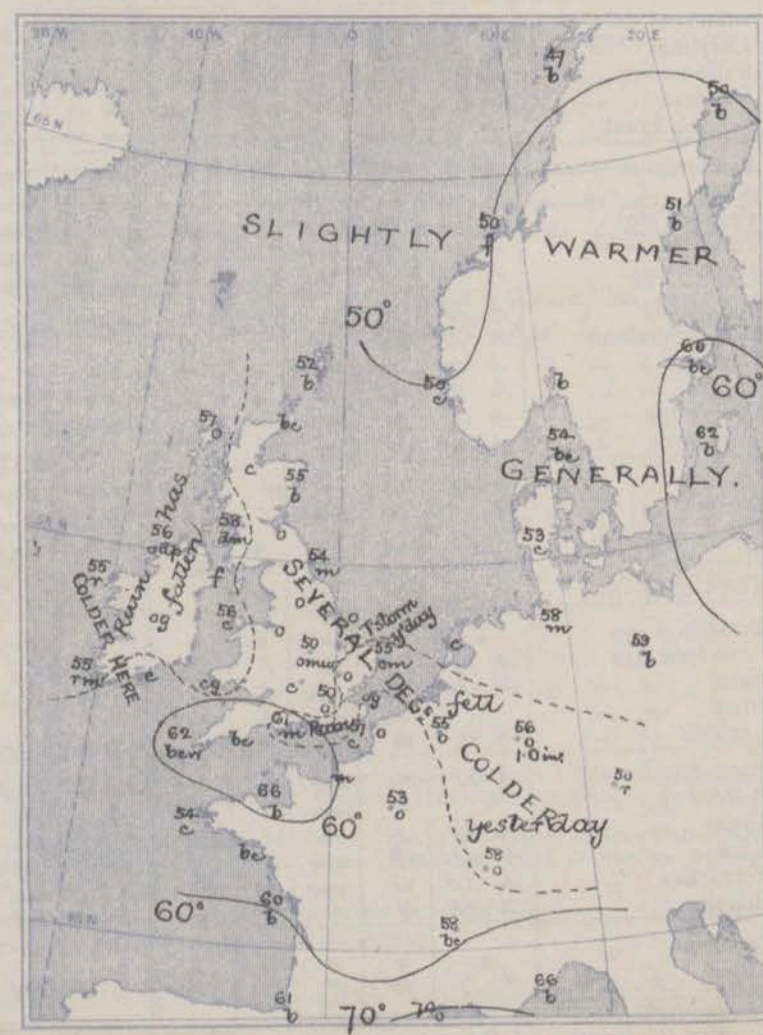
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet.	
Samburgh Head	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.0	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardsrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.0	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.80
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.0	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Harst. Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.0	1.50
LONDON	69.1	50.6	58.9	54.0	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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 30.4 ins. and upwards over central England and also in the north of Sweden; 30.3 ins. and upwards over nearly the whole of Scandinavia, the North Sea, England, France and the south of Ireland.

Lowest 30.0 ins. and less in a depression lying over the Gulf of Genoa; 30.2 ins. and less in a shallow area lying off the northwest of Scotland.

Gradients slight generally. Barometer falling a little in the west and north of our Islands and also in the south of France, but rising elsewhere.

TEMPERATURE

Highest (1) 74° at Lisbon, 70° at Perpignan, and 66° at Nice; (2) 66° at Jersey, and 62° at Seilly; (3) 62° at Whisky and 60° at Stockholm.

Lowest (1) 47° at Bodo, and 50° at Hyeres, Christchurch & Sandness; (2) 50° at York, Loughborough & in London; (3) 50° at Munich. During yesterday the thermometer rose to between 65° and 70° in many parts of the United Kingdom; at Oxford it reached 71° and in London 72°.

WIND

Light from the SW^{ly} in Ireland and from the Sth or SEth in the Wth and Nth parts of Great Britain.

E^{ly} or NE^{ly} over France and the southeast of England.

NE^{ly} or N^{ly} over the greater part of Scandinavia and Denmark, NW^{ly} or W^{ly} in Germany.

WEATHER

Fine over the greater part of western Europe, but dull over central England, as well as in Ireland & the W. of Scotland.

Rain is falling in the west of Ireland, and also at Berlin.

Showers fell yesterday in several parts of Ireland and England, and a thunderstorm occurred at Harmond.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

For the 24 hours ending at NOON on 7TH JUNE 1893.

DISTRICTS.

FORECASTS.

1 SCOTLAND
NORTH

S^{ly} winds, moderate; fair to showery.

1 SCOTLAND
EAST

2 ENGLAND
N.E.

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

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

NE^{ly} and E^{ly} winds, light; fine generally.

5 ENGLAND
SOUTH

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

SE^{ly} and S^{ly} winds, light; cloudy; some showers.

7 ENGLAND
N.W.

8 ENGLAND
S.W.

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

9 IRELAND
NORTH

10 IRELAND
SOUTH

SW^{ly} to S^{ly} winds, light or moderate; cloudy, 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.	P.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.23	54	51	NW	5	c	2	Valencia ...	30.35	64	61	S	4	om	4
Sumburgh Head ...	30.27	51	53	2	0	c	2	Scilly ...	30.41	65	60	W	3	bc	3
Stornoway ...	30.23	57	53	S	2	c	3	Jersey ...	30.42	63	59	WNW	4	bc	3
Aberdeen ...	30.22	56	53	SE	2	c	2	Hurst Castle ...	30.33	61	60	WNW	3	CT	2
Shields ...	30.20	58	51	N	2	c	2	Dungeness ...	30.26	64	60	E	3	f	2
Ardrossan ...	30.27	63	53	SW	1	c	0	North Foreland ...	30.20	60	56	NW	2	bc	2
Malin Head ...	30.25	61	57	2	0	om	0	London ...	30.27	67	58	W	2	c	*
Mullaghmore ...	30.26	60	57	SW	2	0	*	Yarmouth ...	30.24	63	58	WNW	3	bc	3
Belmullet ...	30.26	60	57	SW	2	0	2	Rochefort ...	30.28	69	64	WNW	4	bc	*
Holyhead ...	30.22	60	58	SW	2	0	2								

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

Weather in morning fine and bright over the Mediterranean, the Spanish Peninsula, France, and many parts of NW and N Europe, very dull over E and SE Europe with rain in Hungary. Considerable rain later at Wickham and Belmullet, and local showers in several parts of the United Kingdom.

Temperature changing irregularly. morning readings highest 65° to 73° in many parts of N Europe, and exceeding 60° in several parts of France, the British Isles and south of Russia. Lowest 39° at Archangel, 46° at Haparanda and Bodö, 50° at Kuopio, Hango, Bodö and Sumburgh Head. Rising later to a little above 70° over our south midland counties, to between 75° and 80° over the south of France, and to 86° at Lisbon.

Wind very variable, but mainly anticyclonic over N and NW Europe; cyclonic in the SE, but of little strength - the direction being chiefly N to E over Russia, W to NW over Austria Hungary, S at Nicolaioff and Odessa. Becoming S in the W. and NW of our Islands later, but N in the East.

Barometer highest 30.4 ins. and more to 30.2 ins. in an anticyclone of irregular form covering the whole of W Europe, 30.3 ins. and more to 30.2 ins. in another over N Europe, exceeding 30.3 ins. over Tunis. Lowest 29.6 ins. and less in a depression over the SW of Russia, and below 30.2 ins. off our extreme NW coasts. Little change later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on WEDNESDAY 7th JUNE.

1893

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

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.				
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.	Amount of Rainfall.		
	Inch.	°				Inch.	°	°	°								°	Inch.		
SCANDINAVIA.	Haparanda ...	50.37	48	2	0	50.37	-0.4	57	53	+7	NW	2	C	*	0	2	54	—		
	Hernösand ...	50.32	52	2	0	50.42	+0.7	49	48	-2	E	2	T	*	0	62	57	0.01		
	Stockholm ...	50.36	57	2	0	50.34	-0.3	64	53	+4	NW	2	C	*	0	68	45	—		
	Wisby ...	50.35	57	2	0	50.34	+0.2	56	53	-6	E	4	C	*	0	70	45	—		
	Bodö ...	50.41	48	NW	5	50.40	+0.9	53	46	+6	ENE	2	C	1	0	72	41	—		
	Christiansund...	50.41	51	NW	5	50.43	+0.4	53	48	0	NW	3	m	1	0	55	46	—		
	Skudesnaes ...	50.37	53	NW	4	50.42	+0.5	53	48	0	NW	4	C	2	0	54	46	—		
	Christiania Fjord (Færdler)	50.32	57	NW	3	50.38	+0.3	53	53	-4	2	0	f	1	0	61	50	—		
	Skagen (The Scaw)	50.34	50	2	0	50.38	+0.6	56	53	+2	NW	1	0	1	0	60	50	—		
	Fanö ...	50.35	52	NW	3	50.37	+0.7	53	51	0	NW	4	C	*	0	64	50	—		
BRITISH ISLANDS.	Sumburgh Head	50.28	51	SE	2	50.36	+0.6	53	53	+1	NW	1	m	3	0	55	49	—		
	Stornoway ...	50.22	51	2	0	50.36	+2.1	53	54	-2	2	3	be	3	0	59	48	0.12		
	Wick ...	50.28	51	2	0	50.41	+1.6	54	54	+1	NW	1	C	0	0	64	52	0.02		
	Nairn ...	50.44	65	W	1	50.39	+1.8	53	53	-5	2	0	T	1	0	60	54	0.06		
	Aberdeen ...	50.30	53	2	0	50.37	+0.9	54	53	-1	ENE	1	om	1	0.07	58	52	0.04		
	Leith ...	50.28	60	NW	2	50.38	+0.9	61	57	+5	W	1	C	*	0	65	53	0.05		
	Shields ...	50.22	58	ENE	1	50.38	+0.3	61	58	+7	W	2	C	2	0.07	61	50	0.01		
	Spurn Head ...	50.36	54	ENE	3	50.37	-0.1	53	56	+3	ENE	2	be	2	0.07	59	53	0.02		
	York ...	50.35	64	2	1	50.41	+0.1	53	57	+4	ENE	1	C	*	0	68	50	0.02		
	Loughborough	50.35	65	SE	1	50.37	-0.2	61	58	+11	SE	2	om	*	0	70	50	—		
GERMANY & HOLLAND.	Ardrossan ...	50.28	57	NW	1	50.37	+1.0	60	57	+2	W	2	C	2	om	60	52	0.21		
	Malin Head ...	50.30	57	NW	1	50.37	+1.7	58	56	+2	ENE	2	0	1	0	60	52	0.23		
	Mullaghmore ...	50.33	60	NW	2	50.38	+1.4	63	59	+4	NW	1	C	*	0	64	53	0.01		
	Belmullet ...	50.32	58	NW	2	50.41	+1.3	53	53	-2	NW	3	f	1	0	62	53	0.10		
	Donaghadee ...	50.32	58	NW	2	50.41	+1.3	53	53	-2	NW	3	f	1	0	62	53	0.10		
	Liverpool (Bidston)	50.33	60	NW	1	50.37	+0.4	62	56	+2	2	0	be	0	0	67	54	—		
	Holyhead ...	50.34	57	NW	4	50.38	+0.5	61	53	+5	SE	2	be	2	0	62	53	0.01		
	Parsonstown ...	50.33	62	2	0	50.38	+1.0	56	55	-3	2	0	om	*	0	62	45	—		
	Valencia ...	50.33	64	0.5	2	50.37	+0.5	62	53	+7	ENE	1	om	1	0	65	48	0.02		
	Roche's Point	50.33	57	NW	2	50.38	+0.5	56	55	-3	E	2	f	3	0	63	55	0.10		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	50.37	58	SE	2	50.38	+0.1	56	55	-1	E	1	be	2	0	62	53	0.01		
	Scilly ...	50.38	63	W	1	50.34	-0.5	61	57	-1	ENE	3	C	4	0	68	57	—		
	Prawle Point ...	50.37	60	NW	2	50.37	-0.2	61	56	0	NW	3	om	2	0	63	54	—		
	Jersey (St. Aubin's)	50.37	66	NW	3	50.36	-0.3	67	61	+1	E	3	om	3	0	65	57	—		
	Hurst Castle ...	50.37	60	2	2	50.37	+0.1	61	57	0	SE	1	be	1	0	65	54	—		
	Dungeness ...	50.38	57	E	2	50.37	-0.2	58	56	+1	E	3	om	2	0	62	52	—		
	North Foreland	50.37	53	SE	2	50.40	+0.1	58	53	+2	E	3	C	2	0	59	51	—		
	London ...	50.36	66	NW	1	50.40	-0.2	58	53	+4	2	0	C	*	0	71	49	0.10		
	Oxford ...	50.37	59	SE	1	50.38	-0.1	60	57	+1	2	1	C	*	0	69	52	0.02		
	Cambridge ...	50.37	70	2	1	50.41	-0.2	53	56	+7	SE	1	0	*	0	74	51	—		
PENINSULA.	Yarmouth ...	50.37	57	ENE	2	50.42	+0.4	54	52	-1	SE	2	C	2	0	60	49	—		
	Cuxhaven ...	50.37	53	NW	3	50.42	+1.1	53	54	-3	N	2	0	*	0	61	54	—		
	Berlin ...	50.21	64	NW	4	50.35	+0.7	60	52	+1	NW	4	C	*	0	70	53	—		
	Wiesbaden ...	50.32	58	NW	4	50.32	+0.7	62	53	+6	NW	2	C	*	0	68	52	0.04		
	Munich ...	50.28	50	NW	4	50.25	+0.6	55	52	+5	W	4	C	*	0	53	48	0.16		
	The Helder ...	50.45	54	N	2	50.47	+0.8	52	50	-4	NW	1	C	1	0	59	52	—		
	Brussels (9 a.m.)	50.34	57	E	1	50.41	+0.4	52	52	-3	NW	2	f	*	0	62	48	—		
	Cape Gris Nez	50.34	57	E	1	50.34	0.0	56	56	+2	ENE	2	f	*	0	62	52	—		
	Paris ...	50.35	65	NW	2	50.37	-0.2	53	53	+2	N	2	C	*	0	69	48	—		
	Brest ...	50.35	66	N	2	50.37	0.0	53	53	+5	ENE	2	C	3	0	70	50	—		
FRANCE AND BELGIUM.	Lorient ...	50.33	67	W	3	50.30	-0.7	60	56	+6	E	4	C	4	0	70	52	—		
	Rocheport ...	50.25	67	NW	4	50.25	-0.7	53	53	-1	ENE	3	C	*	0	77	54	—		
	Belfort ...	50.25	67	NW	3	50.25	0.0	53	53	+7	E	4	C	*	0	75	48	—		
	Lyons ...	50.26	62	N	3	50.26	-0.4	56	51	-2	NW	2	C	*	0	68	50	—		
	Nice ...	50.00	56	E	2	50.06	+0.9	66	61	0	NW	2	C	1	0	72	52	0.12		
	Perpignan ...	50.12	77	NW	3	50.18	-0.6	68	56	-2	2	0	C	*	0	71	54	—		
	Biarritz ...	50.25	67	NW	2	50.27	-1.3	63	57	+2	ENE	3	C	2	0	73	53	—		
	Corunna ...	50.08	72	NW	5	50.03	-1.2	72	64	-2	NW	3	C	*	0	80	60	—		
	Lisbon ...	50.08	72	NW	5	50.03	-1.2	72	64	-2	NW	3	C	*	0	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, 7th June 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—

— force above 10 — force 8 to 10 — force 5 to 7 — force 1 to 4 — dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

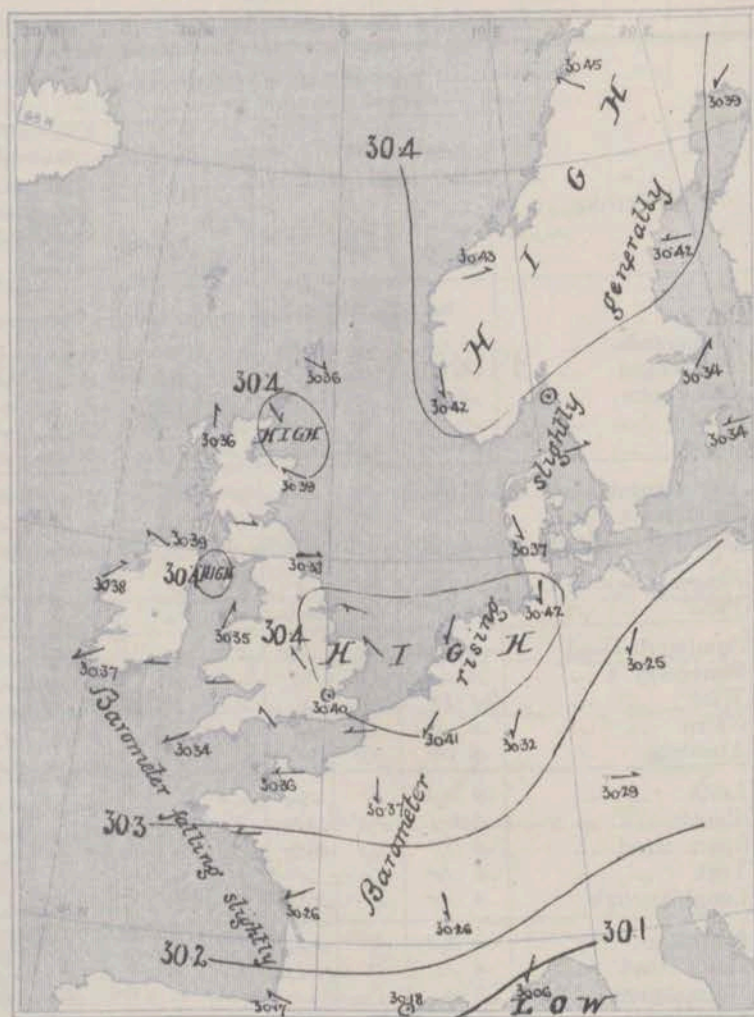
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
	<i>in.</i>
Samburgh Head	29.883
Stornoway	29.874
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
Yock	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghnore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Silly	29.990
Pravle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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.

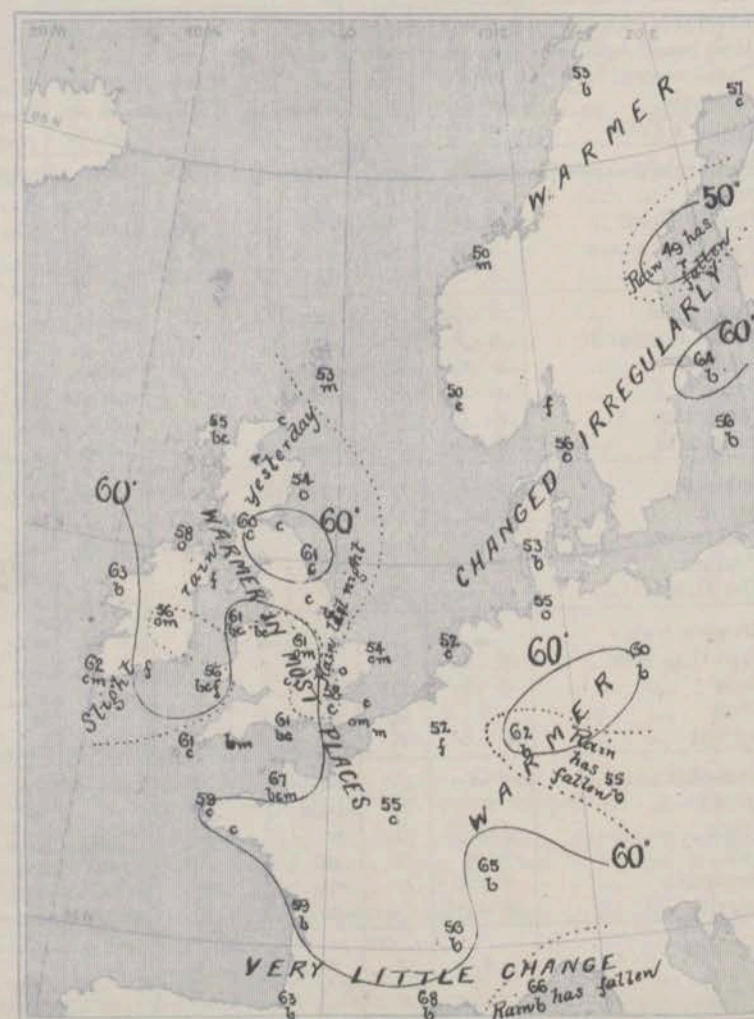
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Samburgh Head	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.0	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.0	47.9	55.0	52.3	1.80
Shields	60.6	48.7	54.8	54.7	1.71
Spurn Head	60.4	51.4	55.2	52.8	1.54
Yock	60.1	48.4	56.2	52.7	2.17
Loughborough	68.0	49.0	57.8	53.0	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghnore	61.1	51.4	54.0	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.0	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.0	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.4	51.1	56.8	53.0	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Silly	61.3	53.0	57.3	55.2	1.84
Pravle Point	61.5	50.5	56.0	54.6	1.60
Jersey	64.0	52.5	58.0	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	65.0	52.5	58.2	54.9	1.50
LONDON	63.1	50.6	58.0	54.6	2.11
Oxford	66.0	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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, 30.30 ins. to 30.45 ins. in a large anticyclone covering the greater part of northwestern Europe.

Lowest, 30.1 ins. and less, over the extreme south of France and the southern part of the Spanish Peninsula.

Gradients slight. Barometer falling a little in the extreme south of our Islands and the west of France, but rising elsewhere.

TEMPERATURE

Highest, (1) 72° at Lisbon, 66° at Perpignan, 67° at Jersey and 66° at Nice; (2) 64° at Stockholm, and 57° at Haparanda.

Lowest, 48° at Helsingfors, 50° at Stockholm and Gander, 52° at the Helder and Bremen, and 53° at Oslo, Christiansund, Tana, Luleå, and Longfjorden.

The highest maxima registered over our Islands yesterday were 74° at Cambridge, 71° at London, and 70° at Loughborough.

WIND

Light from the End in the south of our Islands and the west of France, and from the Nth or NEth over North Germany, the Netherlands, and the central and southern parts of France.

Variable over Scandinavia and the northern parts of the United Kingdom.

WEATHER

Fair generally, but cloudy at several of our northern and central stations, with rain at Naiv.

Fog is prevalent on many parts of our western coasts.

Since yesterday morning a little rain has fallen in all but the extreme southern and eastern part of the United Kingdom. A solar halo was seen yesterday at Jersey.

SEA

Light or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Anticyclonic conditions seem likely to continue for a time over the greater part of our Islands, with E^{ly} breezes in the south, but with variable breezes in the north.

FORECASTS

For the 24 hours ending at NOON on 8th June,

1893.

DISTRICTS.

FORECASTS.

0 SCOTLAND

NORTH

1 SCOTLAND

EAST

2 ENGLAND

N.E.

3 ENGLAND

EAST

4 MIDLAND

COUNTIES

5 ENGLAND

SOUTH

Light Variable breezes; fair generally.

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

Same as N° 5

Same as N° 2

E^{ly} winds, light; fair generally.

DISTRICTS.

FORECASTS.

6 SCOTLAND

WEST

7 ENGLAND

N.W.

8 ENGLAND

S.W.

9 IRELAND

NORTH

10 IRELAND

SOUTH

Same as N° 0 and 1.


Same as N° 5.


Same as N° 0 and 1.

Same as N° 5

WARNINGS

None issued.

Not.—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.	P.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.34	54	50	WNW	4	b	2	Valencia ...	30.35	63	60	SW	2	bcm	2
Stamburgh Head ...	30.29	53	51	SE	3	c	3	Scilly ...	30.38	66	62	S	3	c	3
Stornoway ...	30.7	53	51	SW	4	T	4	Jersey ...	30.37	65	63	NW	3	b	3
Aberdeen ...	30.50	55	52	S	4	ag	3	Hurst Castle ...	30.40	59	57	S	3	cm	1
Shields ...	30.33	54	53	NE	3	o	2	Dungeness ...	30.33	61	56	ESE	3	b	2
Ardrossan ...	30.28	54	5	ESE	1	om	1	North Foreland ...	30.41	59	55	SE	2	b	1
Malin Head ...	30.26	53	53	W	2	o	1	London ...	30.37	65	5	E	1	o	*
Mullaghmore ...								Yarmouth ...	30.40	59	54	ESE	2	bc	3
Belmullet ...	30.29	61	51	SW	3	bc	*	Rocheport ...	30.28	72	65	WNW	3	bc	*
Holyhead ...	30.34	55	56	SW	4	c	3								

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

Weather in morning fine and bright over the Mediterranean, southern, and many parts of western and northern Europe, dull and unsettled both in the southeast of Europe and the west and northwest of the British Islands - raining (1) at Valencia and Belmullet, (2) at Nicolaïeff, Lemberg, and Odesa. Rain later over all the northern and western part of the British Isles, and local showers in the southeast as well as over Germany and at Kiev.

Temperature highest 71° at Algiers and 70° at Barcelona and Constantinople, and exceeding 60° on the coasts of southern Europe generally, as well as over the British Provinces, ranging between 50° and 60° in most other places, but lowest of all 44° at Archangel, 47° at Vosto, 48° at Moscow. Rising during the day to 58° at Lisbon, 51° at Copenhagen, 77° at Rochefort, and to between 70° and 74° over many of the inland parts of England.

Wind light and anticyclonic over the northern countries of Europe, as well as over France and England, but SW¹ to SE¹ in Ireland and Scotland, and NE¹ over Central Russia, N¹ over Poland, NW¹ over Austria-Hungary, and SW¹ to S¹ over the Black Sea. A separate cyclonic circulation prevailing over the northern part of Italy and the Mediterranean. Very variable over England and the west of France sunny day, little change elsewhere.

Barometer highest, 30.3 ins. and more in a large and complex anticyclone covering the whole of northern Europe, the North Sea, England, Holland, and France, and exceeding 30.4 ins. in two maxima - one over the eastern half of England, the other over Ireland and the northern part of the Gulf of Bothnia. Lowest, 29.6 ins. and less, to 29.7 ins. in a depression over the Black Sea, European Turkey, and the south of Russia, and below 30.0 ins. in a secondary system over the northern part of the Mediterranean; below 30.2 ins. off the west of Scotland. Gradients steep over the southern half of Russia and the Riviera.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on THURSDAY, 8TH JUNE.

1893

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.																		
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.																		
	Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.		Max.	Min.																			
																			Ins.	°					Ins.	°	°	°					Ins.		
SCANDINAVIA.																																			
Haparanda ...	30.53	53	W	2	b	30.36	-0.17	53	51	-2	SW	4	b	*	b	64	59	—																	
Hernösand ...	30.06	50	2	0	b	30.45	+0.2	57	51	+6	NE	2	b	*	b	66	48	0.08																	
Stockholm ...	30.38	55	NE	2	c	30.38	+0.04	53	51	-2	N	4	b	*	c	70	48	—																	
Wisby ...	30.32	56	ESE	4	b	30.32	-0.05	53	50	-3	NE	4	b	*	b	68	46	—																	
Bodö ...	30.39	48	2	0	bc	30.33	-0.12	50	47	-3	2	0	c	0	bc	53	43	—																	
BRITISH ISLANDS.																																			
Christiansund...	30.44	52	NNW	1	b	30.45	+0.02	49	45	-4	SW	1	f	1	b	52	46	—																	
Skudesnaes ...	30.36	51	NNW	6	c	30.36	-0.06	52	51	-1	NNW	4	f	2	c	55	46	—																	
Christiania Fjord (Færder)	2	56	NNW	4	b	30.41	+0.06	56	53	+3	N	2	b	1	b	56	50	—																	
Skagen (The Scaw)	30.30	51	2	0	f	30.34	-0.01	58	56	+2	E	2	b	1	f	64	50	—																	
Fanö ...	30.35	50	NNW	8	f	30.30	-0.07	53	50	-3	NNW	2	c	*	f	64	50	—																	
GERMANY & HOLLAND.																																			
Sumburgh Head	30.40	58	2	0	c	30.40	+0.04	49	49	-4	2	0	f	1	c	59	44	0.01																	
Stornoway ...	30.39	60	E	2	bc	30.38	+0.02	57	56	+1	E	2	b	3	b, bc	61	52	—																	
Wick ...	30.43	53	2	0	f	30.44	+0.03	52	51	-1	S	2	f	1	f	64	45	—																	
Nairn ...	30.39	57	E	1	0	30.41	+0.02	53	52	-1	2	0	m	1	0	60	49	—																	
Aberdeen ...	30.42	57	ESE	2	of	30.44	+0.05	50	49	-1	ESE	1	of	1	on, of	57	48	—																	
FRANCE AND BELGIUM.																																			
Leith ...	30.36	61	E	2	b	30.42	+0.04	52	52	-4	NE	2	m	*	b	68	50	—																	
Shields ...	30.37	53	ESE	2	bm	30.41	+0.03	54	51	-3	NE	2	c	2	b, bm	64	47	—																	
Spurn Head ...	30.36	54	ESE	4	b	30.39	0	50	48	-2	ESE	2	m	2	b	59	47	—																	
York ...	30.36	61	E	2	b	30.42	+0.04	51	50	-1	E	1	c	*	b	72	47	—																	
Loughborough	30.32	71	ESE	2	b	30.40	+0.01	54	50	-4	ESE	2	c	*	b, f	73	45	—																	
PENINSULA.																																			
Ardrossan ...	30.35	63	W	2	b	30.33	0	59	56	-3	NE	2	bc	1	b, b	65	51	—																	
Malin Head ...	30.36	57	ESE	2	b	30.37	-0.02	58	54	-4	ESE	2	of	0	b	59	53	—																	
Mullaghmore ...	30.36	65	NNE	1	b	30.37	-0.01	65	63	+2	E	1	b	*	b, b	68	56	—																	
Belmullet ...	30.37	62	NW	3	b	30.37	-0.04	58	57	-1	NNW	2	m	1	f, b	63	52	—																	
Donaghadee ...	30.37	62	NW	3	b	30.37	-0.04	58	57	-1	NNW	2	m	1	f, b	63	52	—																	
SCANDINAVIA.																																			
Liverpool (Bidston)	30.33	64	NE	1	c	30.36	-0.03	64	56	+8	ESE	2	b	1	c	67	53	—																	
Holyhead ...	30.33	53	N	2	bc	30.32	-0.06	63	53	+10	2	0	bc	0	on, bc	65	53	—																	
Parsonstown ...	30.32	60	SE	1	b	30.34	-0.04	61	58	+3	2	0	b	*	b	71	48	—																	
Valencia ...	30.34	62	NW	1	cm	30.31	-0.06	65	59	+6	NE	1	bc	1	cm	69	53	—																	
Roche's Point	30.34	58	ESE	2	f	30.33	-0.05	62	58	+4	ESE	3	b	3	f	62	53	—																	
GERMANY & HOLLAND.																																			
Pembroke (St. Ann's Hd.)	30.37	63	N	3	b	30.32	-0.06	62	58	+4	ESE	1	b	0	b	64	54	—																	
Scilly ...	30.39	62	NE	3	c	30.46	-0.07	62	58	+4	ESE	4	c	3	c	65	56	—																	
Prawle Point ...	30.37	59	ESE	3	b	30.30	-0.07	60	56	-4	E	3	bc	2	b	66	52	—																	
Jersey (St. Aubin's)	30.38	63	ESE	4	b	30.46	-0.10	61	58	-3	ESE	5	bc	4	b	72	58	—																	
Hurst Castle ...	30.32	65	SE	2	bc	30.32	-0.07	59	56	-3	NE	4	b	1	b, bc	68	50	—																	
FRANCE AND BELGIUM.																																			
Dungeness ...	30.32	57	E	4	bc	30.30	-0.07	56	53	-3	ESE	5	0	4	b	63	53	—																	
North Foreland	30.33	54	E	3	c	30.32	-0.01	53	51	-2	NE	4	of	3	b, c	59	51	—																	
London ...	30.35	67	ESE	2	b	30.35	-0.05	57	53	-4	ESE	2	c	*	b, f, o	73	51	—																	
Oxford ...	30.32	66	E	1	b	30.37	-0.01	51	48	-3	ESE	2	0	*	b	74	45	—																	
Cambridge ...	30.35	73	E	3	b	30.38	-0.03	54	50	-4	ESE	3	0	*	b	76	48	—																	
Yarmouth ...	30.38	53	E	3	cm	30.37	-0.05	52	50	-2	NE	3	cm	3	b, cm	57	48	—																	
GERMANY & HOLLAND.																																			
Cuxhaven ...	30.38	53	NNW	3	c	30.37	-0.05	52	51	-1	N	3	c	*	c	60	52	—																	
Berlin ...	30.43	64	NNE	4	b	30.46	+0.01	60	50	+10	NNE	2	b	*	b	75	48	—																	
Wiesbaden ...	30.43	64	NNE	4	b	30.44	-0.01	64	54	+10	NE	4	bc	*	b	70	50	—																	
Munich ...	30.45	59	SW	3	0	30.41	-0.04	62	54	+8	E	3	bc	*	0	64	52	—																	
The Helder ...	30.41	54	NNE	4	a	30.41	-0.06	51	50	+1	NE	2	c	2	c	57	50	—																	
FRANCE AND BELGIUM.																																			
Brussels (9 a.m.)	*	*	*	*	*	30.30	-0.11	53	51	+2	NE	3	b	*	b	69	50	—																	
Cape Gris Nez	30.35	57	ESE	4	bc	30.46	-0.01	53	53	-1	ESE	4	0	4	bc	63	52	—																	
Paris ...	30.44	69	N	4	c	30.42	-0.15	57	53	+4	N	2	0	*	c	73	54	—																	
Brest ...	2	70	NW	1	bc	2	2	53	56	+3	E	3	bc	3	bc	81	50	—																	
Lorient ...	30.41	67	NNW	2	c	30.47	-0.13	60	55	+5	ESE	4	b	2	c	71	57	—																	
PENINSULA.																																			
Rochefort ...	30.41	76	E	3	bc	30.48	-0.17	62	57	+5	E	3	b	*	b, bc	88	54	—																	
Belfort ...	30.49	71	N	3	b	30.42	-0.14	59	50	+9	N	1	b	*	b	75	53	—																	
Lyons ...	30.01	69	2	0	b	30.06	0	66	56	+10	E	1	bc	1	b	70	57	—																	
Nice ...	30.05	76	SE	1	b	30.06	-0.12	68	59	+9	E	2	0	*	b	81	53	—																	
Perpignan ...	30.05	76	NE	3	bc	30.01	-0.16	61	58	-3	ESE	2	c	1	bc	75	57	—																	
Biarritz ...	30.06	70	NE	3	bc	30.01	-0.16	61	58	-3	ESE	2	c	1	bc	75	57	—																	
GERMANY & HOLLAND.																																			
Corunna ...	30.37	67	SW	5	b	30.39	-0.04	70	63	+7	SW	2	b	*	b	84	61	—																	
Lisbon ...	30.37	67	SW	5	b	30.39	-0.04	70	63	+7	SW	2	b	*	b	84	61	—																	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Thursday, 8th June 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

→ = forces above 10; → = forces 8 to 10;
→ = forces 6 to 7; → = forces 1 to 4.
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

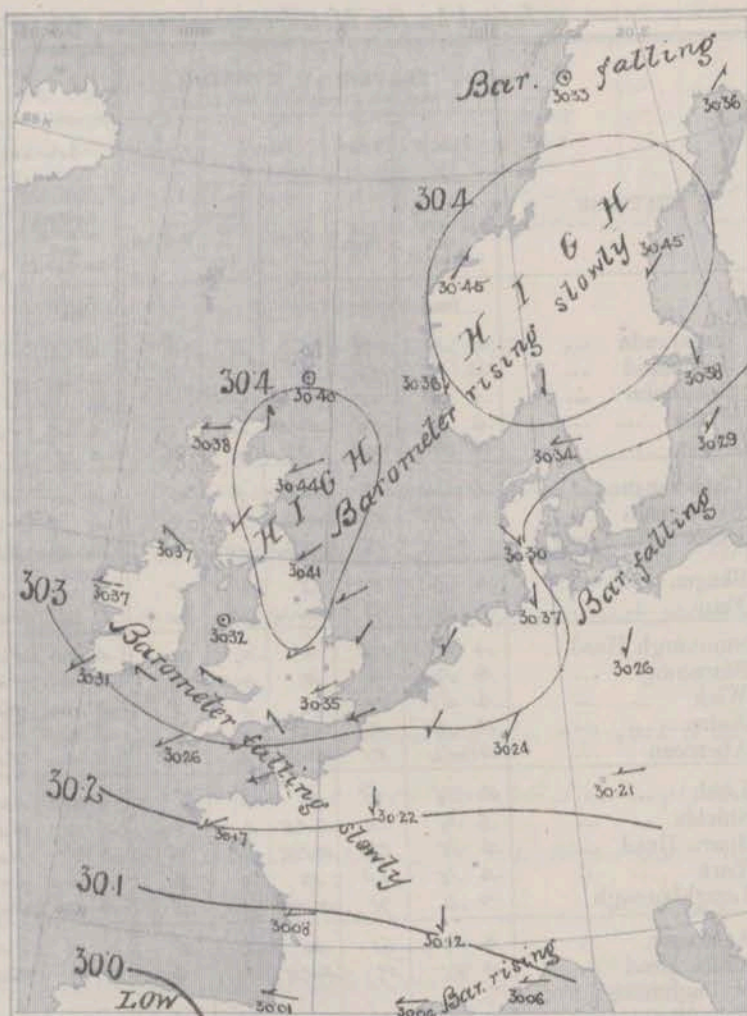
☼ = Rough, ☼ = High.

MEAN HEIGHT OF THE BAROMETER

at 5.0 a.m. for the month of June.

During the 29 Years 1871–1890.

STATIONS.	MEAN READINGS.
Simburgh Head	29.883
Stornoway	29.870
Wick	29.868
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.933
Mallaghmore	29.936
Donaghadee	29.940
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.996
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.980
Cambridge	29.985
Yarmouth	29.977



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.

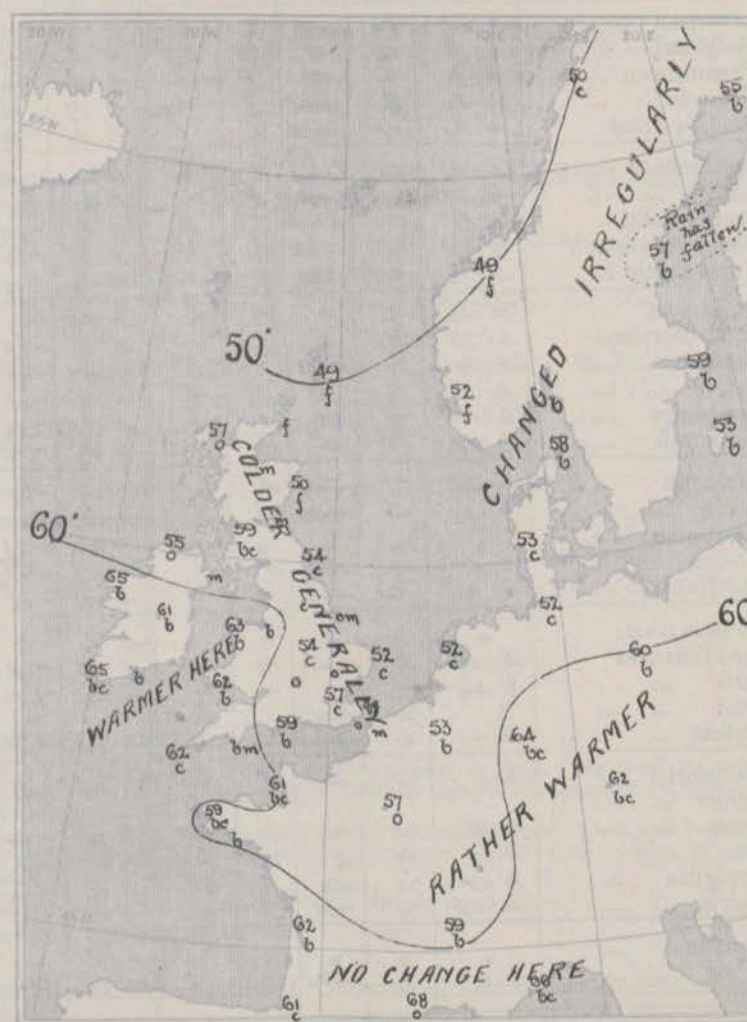
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE				RAINFALL (Inches)
	Daily Max.	Daily Min.	Dry.	Wet.	
Simburgh Head	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.0	53.3	51.1	2.85
Wick	58.0	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.0	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	60.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.0	2.22
Ardrossan	62.0	49.6	57.1	52.1	2.49
Mallaghmore	61.1	51.4	54.9	52.0	2.78
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.80
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	54.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.9	57.3	55.2	1.84
Prawle Point	61.5	50.3	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.50
LONDON	69.1	59.6	68.0	64.6	2.11
Oxford	60.0	49.5	56.8	53.3	2.29
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 29 years 1871–90, the Rainfall means are mainly those for the 25 years 1868–90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. and upwards, in two large areas - one lying over Scandinavia, and the other over the north of England, the east of Scotland, and the adjacent parts of the North Sea.
Lowest, 30.0 in. and less, in a shallow depression lying over the Spanish Peninsula.

Gradients slight. Barometer rising in the eastern parts of Great Britain and the southern part of Scandinavia, but falling in most other localities.

TEMPERATURE

Highest, 70° at Leston, 68° at Perpignan, 66° at Nice, 65° at Bournemouth and Valencia (Ireland), and 64° at Liverpool and Wiesbaden.

Lowest, 49° at Christiansund and Lumburg H^{ts}, 50° at Ross, Aberdeen and Spurn H^t, and 52° at Skutumpah, Wick, South, Yarmouth, the Helder, Guadalupe.

The highest maxima registered over our Islands yesterday were 79° at Foughtoroug, 76° at Cambridge, and 74° at Oxford.

WIND

E^{ly} or NE^{ly} over the greater part of our Islands, France and Germany, light in force generally, but moderate to fresh at the Channel stations.
N^{ly} or NW^{ly} in Denmark and the south of Scandinavia, SW^{ly} in the north of Scotland.

WEATHER

Fine over the greater part of Western Europe, but dull over the eastern and central parts of Great Britain, and foggy on the north and northeast coasts of Scotland, as well as in the east of Norway.

Dry weather was experienced yesterday over nearly the whole of our area, the only stations with a measurable amount of precipitation being Hornsund and Lumburg H^{ts}. At the latter station the slight deposition in the gauge was most probably due to wet fog.

SEA

Light or smooth generally, but moderate at some of the Channel stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any material change in the weather.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

E^{ly} and SE^{ly} winds, light; fair generally, but local fogs.
E^{ly} and NE^{ly} winds, light; fair generally.
E^{ly} and NE^{ly} winds, moderate inland fresh on coast; fair generally.

DISTRICTS.

FORECASTS.

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

Same as Nos 2 to 4.

Same as No 5.

E^{ly} winds, light; 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.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	30. 40	53	51	NW	6	c	2	Valencia ...	30. 36	66	62	SE	1	m	1
Sumburgh Head ...	30. 35	54	52	NW	3	c	3	Scilly ...	30. 31	65	59	ENE	4	c	4
Stornoway ...	30. 35	60	55	S	3	b	3	Jersey ...	30. 33	72	61	NW	4	b	3
Aberdeen ...	30. 42	56	53	ENE	2	om	1	Hurst Castle ...	30. 36	67	61	SSW	2	bc	1
Shields ...	30. 38	60	57	E	3	bc	2	Dungeness ...	30. 34	61	58	E	4	bc	3
Ardrossan ...	30. 38	63	58	W	2	bc	1	North Foreland ...	30. 37	59	59	E	1	b	2
Malin Head ...	30. 40	57	56	ENE	3	b	1	London (Whitehall) ...	30. 35	70	58	ENE	2	bc	*
Mullaghmore ...								Yarmouth ...	30. 42	57	54	E	3	bc	2
Belmullet ...	30. 33	60	60	N	1	bc	*	Rocheport ...	30. 19	74	61	E	2	b	*
Holyhead ...	30. 38	58	56	N	2	om	2								

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

Weather in morning fine and bright over the Mediterranean, Spain, France, western and northern Germany, and many parts of the British Isles, the North Sea, and the Baltic; dull and very rainy over South Germany and nearly the whole of southeastern Europe, as well as at Stockholm and Christiansund, foggy at Rocher P., hazy in the Channel. Very slight rain at a few northern stations later, none in the south or west. [Information for southeastern Europe not yet to hand.]

Temperature not changing much — Morning readings still exceeding 70° at several of the extreme southern stations and exceeding 60° over southern Europe generally, several parts of France, as well as the southwest of England, north Wales, and extreme western Ireland and at Stockholm. Lowest 47° at Archangel, 49° at Helsingfors, 53° at Riga and Sumburgh H. Rising later to 80° and more at Lisbon, Perpignan, and Brest, to between 70° and 79° over England, and to 60° or more over Ireland and many parts of Scotland.

Wind light to moderate and very variable over northern Europe and the northern and western parts of the British Isles. Chiefly N to E over the Baltic, north Germany, and the south of England, France, and Spain; NE also (but ephemerical) over the south of Russia, NW and N over southeastern Europe, Austria, the Adriatic and Italy. No great change later.

Barometer highest 30.4 ins. and more to 30.3 ins. over the whole of northern and northwestern Europe and the British Isles. Lowest 29.7 ins. over the south of Russia, and below 29.9 ins. over southeastern Europe generally. Gradients somewhat steep over Central Europe. Falling over Spain 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, 3 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 "

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for 8 a.m. on

Friday, 9th June,

1893

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

		YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
STATIONS.		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.		Amount of Rainfall.			
		Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).		Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).		Max.	Min.				
		Inch.	°				Inch.	°	°	°					°	Inch.				
SCANDINAVIA.	Haparanda ...	30.13	50	SW	2	bc	30.13	-23	61	55	+6	ndw	2	bc	#	bc	61	43	-	
	Hernösand ...	30.36	57	S	2	b	30.25	-20	63	55	+6	2	0	b	#	b	68	37	-	
	Stockholm ...	30.32	58	EHE	4	bc	30.25	-13	63	54	+4	EHE	4	c	#	bc	68	43	-	
	Wisby ...	30.25	57	ESE	4	c	30.21	-08	57	53	+4	ESE	4	0	#	c	63	45	-	
	Bodö ...	30.23	48	ESE	4	0	30.14	-19	49	48	-1	SSW	4	r	2	0	52	46	0.02	
	Christiansund...	30.41	53	2	0	bc	30.34	-11	53	50	+4	NSW	4	f	2	bc	55	49	-	
	Skudesnaes ...	30.36	54	NW	2	b	30.30	-06	54	51	+2	NW	6	c	2	bc, b	58	48	-	
	Christiania Fjord (Færd)	30.31	60	W	4	b	30.26	-15	59	56	+3	NW	2	bc	1	b	63	56	-	
	Skagen (The Scaw)	30.33	57	NW	1	bc	30.23	-11	59	56	+1	? NW	2	0	1	bc	70	52	-	
	Fanö ...	30.24	61	E	4	b	30.24	-06	57	53	+4	NE	2	b	#	b	75	53	-	
ISLANDS	Sumburgh Head	30.42	54	W	1	bc	30.36	-04	50	50	+1	W	2	m	1	bc	59	48	-	
	Stornoway ...	30.34	60	NE	2	bc	30.40	+02	57	55	0	2	0	c	2	bc	64	50	-	
	Wick ...	30.39	52	SE	2	f	30.40	-04	53	52	+1	SE	2	f	1	f	54	49	-	
	Nairn ...	30.40	54	E	1	0	30.39	-02	54	53	+1	2	0	om	1	om	56	49	-	
	Aberdeen ...	30.41	50	E	1	0	30.42	-02	50	49	0	ESE	1	0	1	o.m.d.	53	49	0.02	
	Leith ...	30.37	54	E	2	0	30.39	-03	50	50	-2	EHE	2	m	#	0	59	49	-	
	Shields ...	30.36	55	NE	1	0	30.39	-02	51	50	-3	N	2	d	2	c, 0	60	48	-	
	Spurn Head ...	30.34	52	NE	3	b	30.34	-05	52	51	+2	N	3	0	3	b, d	54	49	0.01	
	York ...	30.34	65	E	1	b	30.38	-04	54	52	+3	NE	1	0	#	b	71	50	-	
	Loughborough	30.31	68	EHE	3	b	30.37	-03	52	51	-2	EHE	3	ogm	#	b	71	48	-	
BRITISH	Ardrossan ...	30.32	65	NE	2	bcm	30.37	-00	54	53	-5	NE	1	om	1	bcm	68	50	-	
	Malin Head ...	30.35	57	E	2	0	30.39	+02	57	55	+2	NE	2	bw	0	0	58	54	-	
	Mullaghmore ...						30.38	+01	64	61	-1	E	1	b	#	b	70	55	-	
	Belmullet ...	30.34	64	NNE	1	b	30.38	+01	53	53	-5	SW	3	f	1	m	63	52	-	
	Donaghadee ...	30.33	60	NW	2	m	30.38	+01											-	
	Liverpool (Bilston)	30.29	69	N	1	bc	30.36	-00	59	54	-5	ESE	2	b	2	bc	76	51	-	
	Holyhead ...	30.29	60	NW	1	b	30.32	-00	66	59	+3	2	0	bw	0	b	69	53	-	
	Parsonstown ...	30.29	69	SW	1	bc	30.34	-00	61	58	0	2	0	b	#	bc	74	49	-	
	Valencia ...	30.33	66	NW	2	bcm	30.35	+04	64	60	-1	2	0	bcm	1	bcm	66	51	-	
	Roche's Point	30.31	62	SE	1	b	30.33	-00	62	59	0	NW	1	b	1	b	64	53	-	
GERMANY & HOLLAND	Pembroke (St. Ann's Hd.)	30.28	66	NNE	2	b	30.32	-00	62	58	0	NE	2	b	1	b	67	54	-	
	Scilly ...	30.26	63	EHE	3	c	30.26	-00	64	58	+2	E	2	b	3	b, c	67	56	-	
	Prawle Point ...	30.25	64	ESE	2	b	30.29	-01	62	56	+2	E	3	bcm	2	b, t	65	53	-	
	Jersey (St. Aubin's)	30.20	66	NE	5	bcm	30.25	-01	60	57	-1	NE	5	bcm	4	bcm	69	55	-	
	Hurst Castle ...	30.25	68	SW	2	b	30.31	-01	55	51	-4	EHE	4	bcm	2	bcm	71	50	-	
	Dungeness ...	30.23	57	EHE	5	c	30.26	-04	56	52	0	NE	6	0	4	c	62	51	-	
	North Foreland	30.27	55	NE	3	bc	30.27	-05	55	51	+2	NNE	5	ogq	4	o, bcq	56	50	-	
	London ...	30.28	64	E	2	b	30.33	-02	52	48	-5	EHE	2	0	#	bc	73	47	-	
	Oxford ...	30.28	63	NE	2	b	30.36	-01	51	49	0	NE	4	0	#	b	72	47	-	
	Cambridge ...	30.29	69	NW	4	b	30.34	-04	55	52	+1	N	4	0	#	b	74	44	-	
FRANCE AND BELGIUM.	Yarmouth ...	30.31	58	NE	4	bc	30.31	-06	54	52	+2	NE	3	c	3	bc	59	50	-	
	Cuxhaven ...	30.30	58	NE	2	bc	30.29	-08	59	57	+7	E	2	b	#	b	60	52	-	
	Berlin ...	30.16	67	NE	2	bc	30.19	-07	60	52	0	NE	2	b	#	bc	77	52	-	
	Wiesbaden ...						30.17	-07	66	55	+2	N	1	b	#	#	75	57	-	
	Munich ...	30.15	58	E	2	b	30.17	-04	59	53	-3	NE	4	b	#	b	68	45	-	
	The Helder ...	30.32	54	NNE	4	c	30.32	-09	52	51	0	NNE	1	f	1	c	59	50	-	
	Brussels (9 a.m.)						30.26	-04	49	48	-4	NNW	3	f	#	b	71	47	-	
	Cape Gris Nez	30.21	56	EHE	5	c	30.21	-05	54	52	-1	NE	5	m	5	c	57	50	-	
	Paris ...	30.13	67	NE	4	c	30.15	-07	61	55	+4	NNE	3	c	#	c	76	56	-	
	Brest ...	?	68	NNE	3	b	?	?	57	55	-2	EHE	3	c	3	b	73	50	-	
PENIN- SULA.	Lorient ...	30.11	70	NE	5	b	30.19	+02	59	55	-1	EHE	3	b	2	b	77	57	-	
	Rochefort ...	?	80	NE	3	b	30.06	-02	61	55	-1	EHE	3	b	#	bc	?	54	-	
	Belfort ...	?	70	NE	4	bc	?	?	62	52		E	3	b	#	bc	75	48	-	
	Lyons ...	30.01	73	N	1	b	30.07	-05	64	57	+5	SE	1	b	#	b	77	55	-	
	Nice ...	30.05	63	SW	2	c	30.10	+04	63	59	-3	E	1	b	0	c	70	55	-	
	Perpignan ...	30.01	67	NE	2	0	30.07	+01	66	62	-2	NNW	2	0	#	0	76	55	-	
	Biarritz ...	29.97	71	W	3	bc	30.02	+01	66	62	+5	NSW	2	b	2	bc	77	61	-	
	Corunna ...																		-	
	Lisbon ...	30.00	67	NW	4	b	30.02	+03	70	63	0	NE	2	b	#	b	82	61	-	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Friday, 9th June, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

— forces above 10 — forces 8 to 10

— forces 6 to 7 — forces 1 to 4

⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

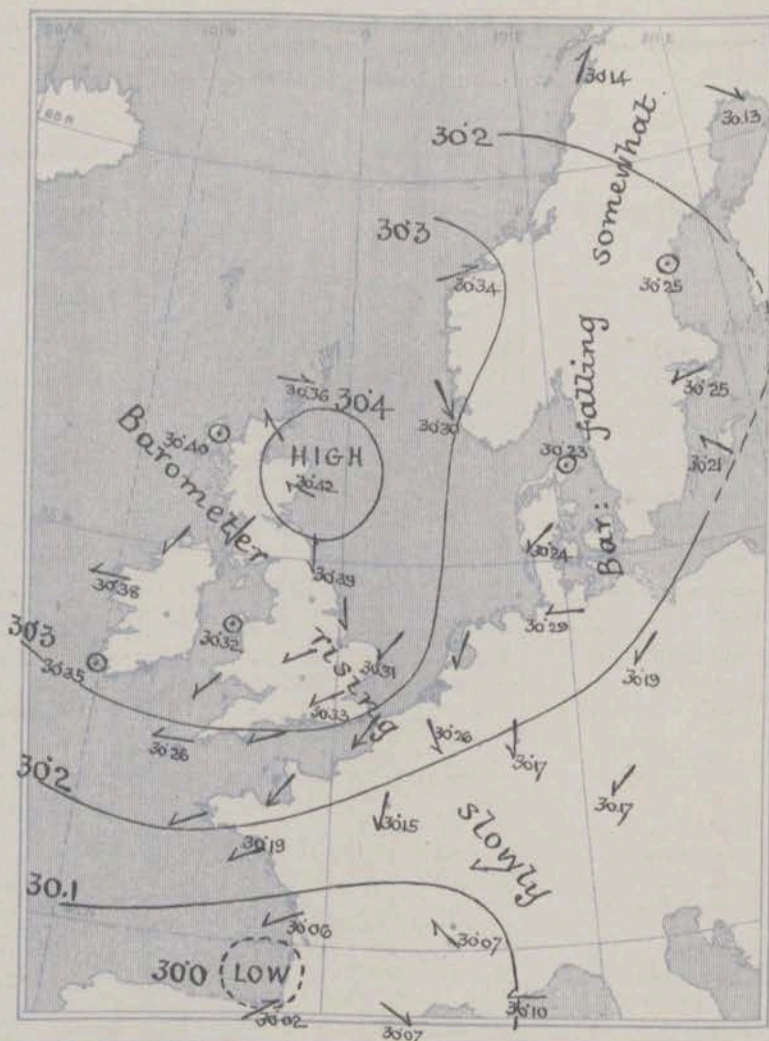
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.870
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.982
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.968
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Penbroke	29.974
Seilly	29.996
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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.

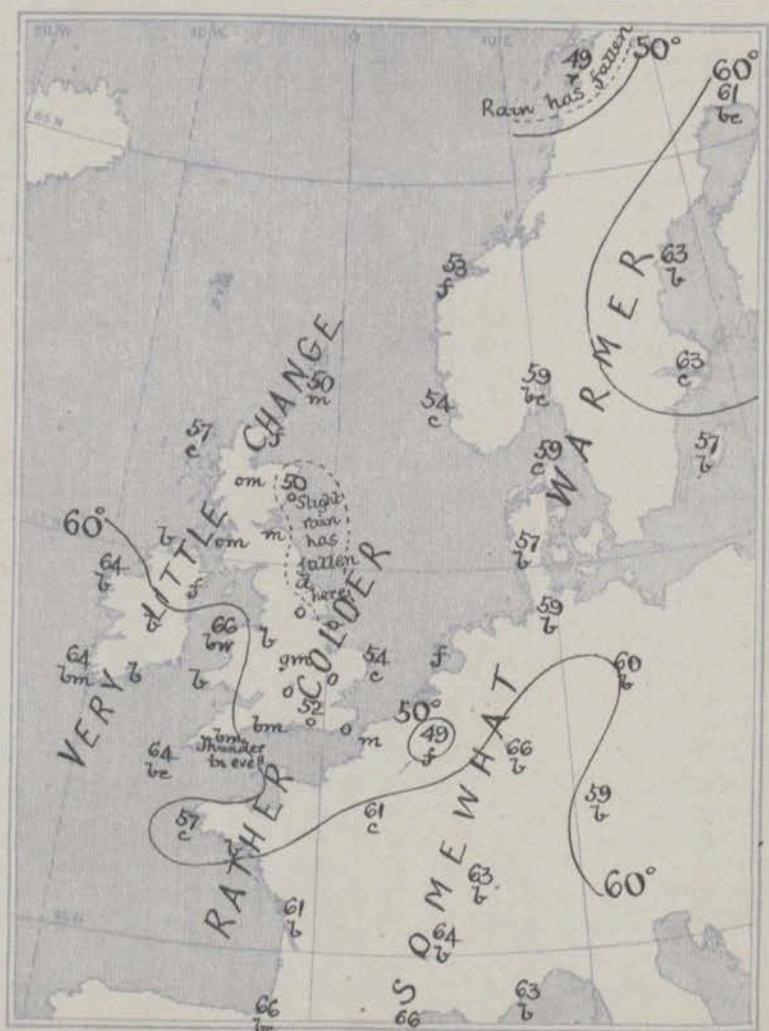
WEATHER—is shown by letters of the Beaufort Scale.

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 June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet	
Sumburgh Head	54.0	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.0	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.70
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Penbroke	60.3	51.5	55.2	53.1	1.94
Seilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	50.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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, 30.4 ins. and upwards, in the northeast of Scotland; 30.3 ins. and upwards over nearly the whole of the United Kingdom, the North Sea and the west of Norway.
 Lowest, 30.1 ins. and less, over Spain and the southern part of France.
 Gradients slight. Barometer rising a little at all but the Scandinavian and Danish stations.

TEMPERATURE

Highest, (1) 70° at Lubeck, 66° at Holyhead, Wexford, Rosary and Papey; (2) 63° at Helsingfors and Stockholm.
 Lowest, 49° at Brussels and Bodo, 50° at Lumburg, Aberdeen, and Leith, and 51° at Shields and Oxford.

During yesterday the thermometer rose to 70° or more in several parts of England and Ireland, the highest reading being 76° at Liverpool.

WIND

E² or NE² over the greater part of Western Europe, but variable in Ireland, SW² in the west of Norway, and W² in the south of France.
 At some of the Channel stations the NE² wind blows freely, but in all other localities light or moderate breezes are reported.

WEATHER

Fine in most parts of our area, but misty or foggy at several of the northern stations. Rain is falling at Bodo, and slight drizzle at Spurn Head.
 The weather yesterday remained very dry in most places, the only stations with any measurable amount of rain being Bodo, Aberdeen and Spurn Head. Thunder is reported to have occurred at Havel Bunt last evening.

SEA

Rather rough at Cape Fin Rey, and moderate at several of the other Channel stations, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

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

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 SCOTLAND NORTH

SW² and W² winds, light; fair generally

1 SCOTLAND EAST

E² and SE² winds, light; fair generally.

2 ENGLAND N.E.

3 ENGLAND EAST

4 MIDLAND COUNTIES

5 ENGLAND SOUTH

Same as No 5.

NE² winds, light or moderate; fair generally.

6 SCOTLAND WEST

7 ENGLAND N.W.

8 ENGLAND S.W.

9 IRELAND NORTH

10 IRELAND SOUTH



E² and NE² winds, light; fair generally.

Same as No 5

Light breezes, chiefly E²; fine generally.

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.		THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Skudesnaes ...	30.39	58	54	NRW	4	bc	2	Valencia ...	30.33		64	61	NRW	3	bm	3
Sumburgh Head ...	30.40	56	54	E	1	bc	1	Scilly ...	30.26		65	60	ENE	4	c	3
Stornoway ...	30.36	63	62	NE	2	b	2	Jersey ...	30.23		67	60	NE	5	b	4
Aberdeen ...	30.43	51	50	E	2	0	1	Hurst Castle ...	30.27		69	61	ENE	2	b	1
Shields ...	30.38	59	56	E	3	c	2	Dungeness ...	30.26		61	57	ENE	5	0	4
Ardrossan ...	30.34	68	62	NE	2	0	1	North Foreland ...	30.28		55	52	NE	4	0	4
Malin Head ...	30.37	56	55	NE	1	0	0	London (Westminster) ...	30.30		69	57	E	2	bc	#
Mullaghmore ...								Yarmouth ...	30.35		58	54	NE	3	bc	3
Behmullet ...	30.35	68	60	N	2	b	#	Rocheport ...	30.04		71	72	ENE	3	bc	#
Holyhead ...	30.31	66	59	NRW	1	b	1									

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

Weather in morning fine and bright (1) over the extreme southeast of Europe, the Mediterranean, many parts of Western Europe, including Ireland and England; (2) over the greater part of northern and central Europe with the Baltic. Cloudy or overcast over Poland, Austria-Hungary, and the south of Russia, as well as in the extreme northwest of the British Isles, foggy in the east of Scotland and the west of Norway. Very slight rain at Porto, Spain, and Spitzbergen later.

Temperature in morning 70° or more at many stations over Algeria and southern Europe, and exceeding 60° locally at several stations over all but the extreme northern countries. Lowest 42° at Archangel, 49° at Christiansund and Sumburgh Head, 50° at Aberdeen, 51° at York. Rising later to 82° at Lisbon, to between 75° and 77° in many parts of France and Germany, and to between 70° and 75° at several stations in Ireland, England and Denmark.

Wind light and anticyclonic over the most northern and northwestern countries, but mainly NE over the Baltic, North Germany, the Netherlands, France, and the east of England, E over the Bay of Biscay, the English Channel, the greater part of England and Ireland; cyclonic E over central Russia, N over Poland, NW over Austria-Hungary, and SW to S over the Black Sea very light in force. SW to S air and light breezes reported at some extreme southern stations.

Barometer highest 30.4 ins. and more to 30.2 ins. over all the northern and northwestern countries, and exceeding 30.1 ins. over Switzerland and the south of France, as well as over Sardinia, Sicily, and Tunis. Lowest, 29.9 ins. and less, over the southern part of Russia; 30.0 ins. over Portugal and neighbouring parts of the Atlantic. Falling somewhat over Spain, France, and the British 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.

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 10th June, 1893

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

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.		Weather.	Max.	Min.	Amount of Rainfall.
	Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.		Max.	Min.				
SCANDINAVIA.																				
Haparanda ...	29.94	50	SW	2	0	29.86	-27	58	51	-3	NW	4	c	#	0	64	45	-	-	-
Hernösand ...	30.10	61	S	4	b	30.12	-13	58	50	-5	N	4	b	#	0	72	45	-	-	-
Stockholm ...	30.15	60	W	0	b	30.10	-15	59	54	-4	N	2	0	#	0	72	52	-	-	-
Wisby ...	30.15	57	SSW	4	c	30.09	-12	56	51	-1	SW	4	b	#	0	70	52	-	-	-
Bedö ...	29.97	46	SW	8	r	30.15	+01	43	41	-6	N	2	0	#	0	52	43	-	-	0.24
Christiansund...	30.26	51	N	3	f	30.31	-03	49	48	-4	NW	2	f	2	f	55	48	-	-	0.04
Skudesnaes ...	30.25	53	NW	8	c	30.22	-08	53	51	-1	NW	7	c	4	c	57	52	-	-	-
Christiania Fjord (Frieri)	30.12	60	N	4	b	30.10	-16	59	53	0	NNE	6	b	1	b	63	55	-	-	-
Skagen (The Scaw)	30.10	54	NNW	1	b	30.10	-13	59	57	0	NW	1	c	0	b	68	52	-	-	-
Fanö ...	30.15	52	NW	3	c	30.12	-12	55	52	-2	NW	2	c	#	c	68	52	-	-	-
Sumburgh Head	30.36	54	NNW	1	b	30.35	-01	50	50	0	NNW	3	m	3	0.6	56	48	-	-	-
Stornoway ...	30.39	58	NE	3	0	30.40	+00	58	56	+1	E	2	b	3	0	60	45	-	-	-
Wick ...	30.39	55	NW	1	b	30.43	+03	58	55	+5	N	2	bc	0	0	60	43	-	-	-
Nairn ...	30.38	61	E	1	bc	30.41	+02	60	57	+6	W	0	b	0	bc	66	45	-	-	-
Aberdeen ...	30.40	53	SSW	2	0	30.41	-01	58	53	+8	NE	2	bc	2	0	59	46	-	-	-
Leith ...	30.38	52	E	2	c	30.42	+03	57	53	+7	E	1	c	#	c	57	49	-	-	-
Shields ...	30.38	53	NE	1	0	30.40	+01	52	50	+1	NNW	2	0	2	2.0	56	49	-	-	-
Spurn Head ...	30.35	52	N	3	0	30.37	+03	54	51	+2	N	2	og	3	0	54	50	-	-	-
York ...	30.37	57	NE	2	0	30.41	+03	58	50	-1	NNE	1	0	#	0	60	48	-	-	-
Loughborough	30.36	57	NNE	3	0	30.41	+04	52	49	0	NE	2	ogm	#	0	59	49	-	-	-
BRITISH ISLANDS.																				
Ardrossan ...	30.32	64	NE	1	bcm	30.38	+01	61	56	+7	ESE	3	bcm	2	bcm	68	50	-	-	-
Malin Head ...	30.37	59	N	3	b	30.38	-01	58	54	+1	N	1	b	0	b	60	53	-	-	-
Mullaghmore ...																				
Belmullet ...	30.37	62	SW	3	b	30.37	-01	61	57	-3	NNE	1	b	#	b	67	54	-	-	-
Donaghadee ...	30.35	59	NW	3	m	30.38	-00	54	53	+1	ESE	3	m	1	m	65	52	-	-	-
Liverpool (Bidston)	30.30	68	NNE	1	b	30.38	+02	55	51	-4	ESE	1	0	2	b	71	53	-	-	-
Holyhead ...	30.32	60	N	1	b	30.33	+01	63	60	-3	W	0	bcm	0	b	68	53	-	-	-
Parsonstown ...	30.30	71	N	0	0	30.36	+02	59	58	-2	W	0	b	#	b, cl	74	51	-	-	1.19
Valencia ...	30.33	70	NNW	1	bcm	30.33	-02	65	61	+1	W	0	bcm	1	bcm	71	53	-	-	-
Roche's Point	30.33	64	SE	1	b	30.35	+02	62	58	0	SE	3	b	3	bf	66	52	-	-	-
Pembroke (St. Ann's Hd.)	30.30	64	NNE	3	b	30.35	+03	59	57	-3	E	3	bcm	2	b	66	54	-	-	-
Seilly ...	30.29	65	NNE	1	b	30.29	+03	63	59	-1	E	4	cm	2	b	70	57	-	-	-
Prawle Point ...	30.29	56	ESE	2	b	30.35	+06	52	51	-10	ESE	3	og	2	b	63	52	-	-	-
Jersey (St. Aubin's)	30.25	63	N	3	bcm	30.32	+07	60	55	0	NE	5	bcm	4	bcm	65	54	-	-	-
Hurst Castle ...	30.26	63	SW	3	b	30.36	+05	52	52	-3	NE	4	cm	2	bcm	69	52	-	-	-
Dungeness ...	30.24	57	E	6	bc	30.31	+05	55	53	-1	NE	6	0	5	bc	63	53	-	-	-
North Foreland	30.25	55	NE	5	bcq	30.32	+05	54	51	-1	NNE	5	ogq	5	c, bcq	57	51	-	-	-
London ...	30.27	68	ESE	2	b	30.37	+04	53	50	+1	NE	2	og	#	b, b	74	51	-	-	-
Oxford ...	30.32	58	NE	2	b	30.38	+02	51	49	0	NE	3	0	#	0, b, 0	70	50	-	-	-
Cambridge ...	30.33	59	NNW	3	c	30.38	+04	56	51	+1	NNE	3	0	#	c	69	51	-	-	-
Yarmouth ...	30.30	55	N	3	c	30.34	+03	55	53	+1	NNE	4	c	3	c	57	51	-	-	-
GERMANY & HOLLAND.																				
Cuxhaven ...	30.24	54	N	4	c	30.20	-04	55	53	-4	NW	3	bc	#	c	61	53	-	-	-
Berlin ...	30.12	66	NNW	4	b	30.12	-07	60	53	0	NW	3	c	#	b	73	54	-	-	-
Wiesbaden ...						30.16	-01	65	56	-1	W	0	b	#	#	75	54	-	-	-
Munich ...	30.13	60	NE	1	b	30.15	-02	63	56	+4	SSW	1	b	#	b	70	46	-	-	-
The Helder ...	30.29	53	NNE	4	c	30.32	+00	55	51	+3	NNE	5	c	3	c	59	52	-	-	-
FRANCE AND BELGIUM.																				
Brussels (2 a.m.)						30.30	+04	54	51	+5	N	3	0	#	b	75	49	-	-	-
Cape Gris Nez	30.22	54	ESE	5	c	30.27	+06	53	53	-1	ESE	5	0	4	c	59	50	-	-	-
Paris ...	30.12	73	NNE	3	b	30.25	+10	54	52	-4	N	3	0	#	b	76	51	-	-	-
Brest ...	?	69	ESE	3	b	?	?	53	50	-4	E	3	b	3	b	74	45	-	-	-
Lorient ...	30.19	69	ESE	4	b	30.23	+04	56	52	-3	ESE	4	b	2	b	75	52	-	-	-
Rochefort ...	30.06	78	NNE	3	b	30.14	+08	63	58	+2	E	3	b	#	b	?	55	-	-	-
Belfort ...	?	74	NNE	3	b	?	?	62	53	0	N	3	0	#	b	80	48	-	-	-
Lyons ...	30.05	63	N	3	0	30.15	+08	59	?	-5	N	1	r	#	0	81	55	-	-	-
Nice ...	30.06	64	N	2	bc	30.05	-05	64	60	+1	W	0	b	0	bc	72	57	-	-	-
Perpignan ...	30.03	71	NE	3	bc	30.09	+02	72	59	+6	NNW	2	b	#	bc	75	67	-	-	-
Biarritz ...	30.10	70	NW	2	b	30.13	+11	65	58	-1	SW	2	b	1	b	73	59	-	-	-
PENINSULA.																				
Corunna ...																				
Lisbon ...	30.02	73	NNW	4	b	29.98	-04	72	65	+2	NE	3	0	#	b	84	66	-	-	-

For Explanation of Columns see bottom of last page.

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, 10th June, 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

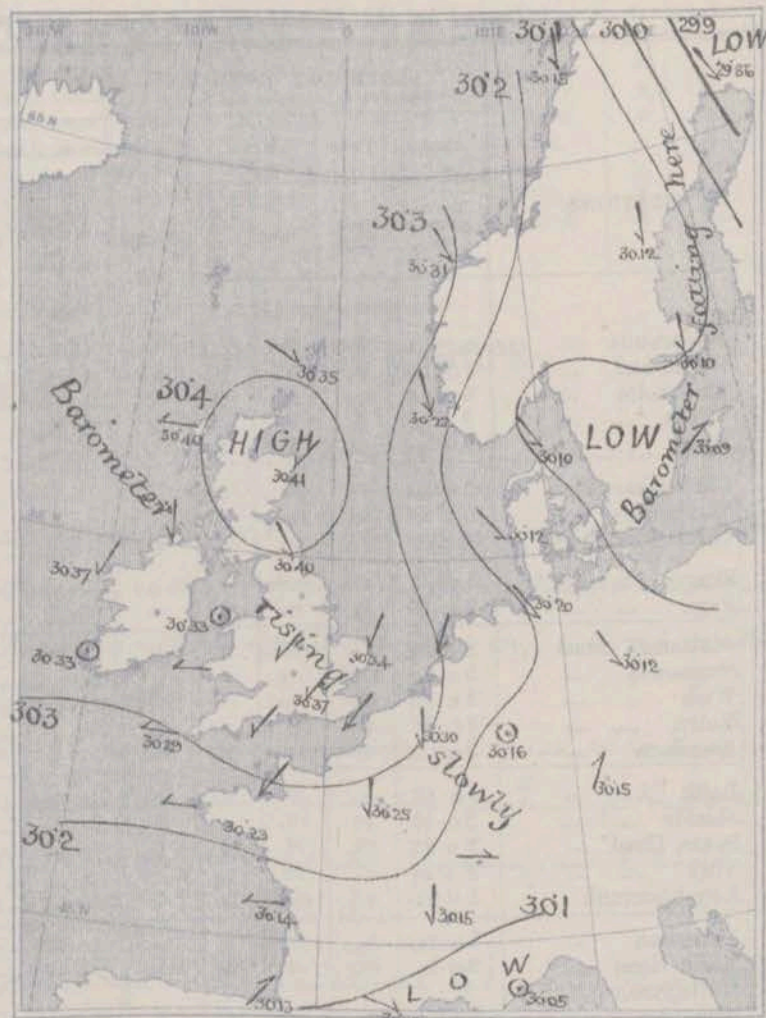
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871-1890.

STATIONS	MEAN READINGS.
Smulburgh Head	29.881
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Androsan	29.982
Mullaghmore	29.986
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.978
Pembroke	29.974
Sally	29.966
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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.

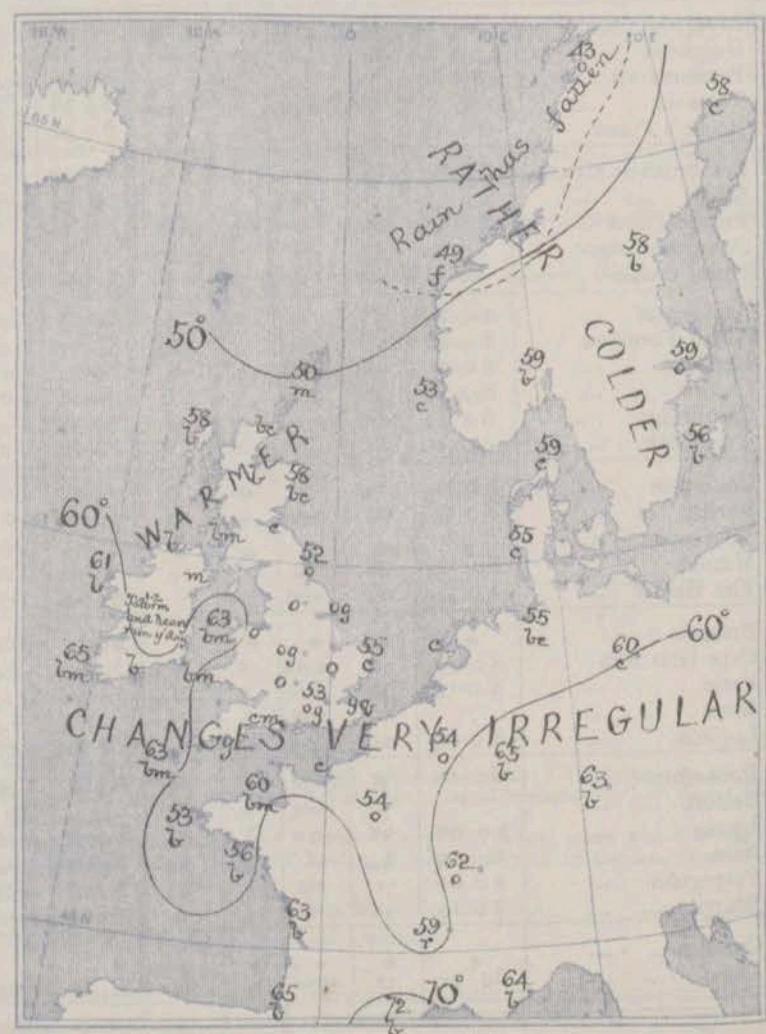
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE AND RAINFALL

(For the month of June.)

STATIONS	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet	
Smulburgh Head	54.0	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.0	47.9	55.9	52.3	1.80
Shields	60.0	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	56.3	52.8	1.64
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Androsan	62.0	49.5	55.1	52.1	2.40
Mullaghmore	61.1	51.4	54.0	52.0	2.70
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.0	51.5	55.7	53.2	1.98
Liverpool	63.8	50.0	56.7	52.7	1.80
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Sally	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.0	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.50
LONDON	69.1	50.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.21
Yarmouth	62.0	51.1	56.0	54.0	1.88

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, 30.4 ins. and upwards, in Scotland; 30.3 ins. and upwards over the whole of our Islands and their immediate neighbourhood.

Lowest, 29.9 ins. and less, in the north of Sweden; 30.0 ins. and less, over the southern part of the Spanish Peninsula.

Gradients moderate in the north of Scandinavia, slight elsewhere.

Barometer falling in Sweden, Denmark, and the south of Norway, but rising elsewhere.

TEMPERATURE

Highest, 72° at Penzance and Lisbon, 65° at Valence (Island) Wiesbaden and Biarritz, 64° at Nice, and 63° at Holyhead, Lillie, Murrich and Rockport.

Lowest, 41° at Bodo, 43° at Christiansund, 50° at St. Petersburg, and 53° at Skirivato (E) 51° at Oporto, and 52° at Bilbao, Loughborough, Pineda, Pines Hunt Creek.

The highest maxima registered over our Islands yesterday were 74° at Port Antonio and in London and 71° at Kilmuckie (Island).

WIND

NE¹ (N¹ to E¹) over the greater part of our Islands and France, but W¹ or SW¹ in the extreme south of France; light or moderate in force generally, but fresh or strong at some of the Channel stations.

N¹ or NW¹ over Scandinavia, Denmark and North Germany.

WEATHER

Fine over the greater part of Western Europe, but dull at the central stations in England and France, with rain at Lyons.

A thunderstorm, with heavy rain (1.2 ins.), occurred last evening at Port Antonio. The only other stations at which rain fell yesterday were Bodo and Christiansund.

SEA

Rather rough on the Kentish coasts and at Cape Fin Neg, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

For the 24 hours ending at NOON on 11th June, 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 N¹; fair generally.

Same as No. 5.

N¹ and NE¹ winds, light or moderate; fair generally.

DISTRICTS.

FORECASTS.

6 SCOTLAND

WEST

7 ENGLAND

N.W.

8 ENGLAND

S.W.

9 IRELAND.

NORTH

10 IRELAND

SOUTH

E¹ and NE¹ winds, light; fair generally.

E¹ winds, moderate or fresh; fair generally.

Same as Nos 6 and 7.

WARNINGS

None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.		THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.								Dry.	Wet.				
Sk. ...	30.27	57	51	W	7	c	3	Valencia ...	30.35		67	64	W	2	bcm	2
St. ...	30.37	53	52	W	1	o	1	Scilly ...	30.29		69	60	W	2	b	3
St. ...	30.41	59	58	W	3	c	3	Jersey ...	30.26		65	59	W	4	b	1
Ab. ...	30.41	53	51	SE	2	o	1	Hurst Castle ...	30.29		66	59	E	2	b	5
Sh. ...	30.39	55	53	W	2	o	2	Dungeness ...	30.25		60	50	E	6	b	3
Ar. ...	30.33	67	62	W	1	bc	1	North Foreland ...	30.27		57	54	W	5	c	3
Ma. ...	30.39	58	56	W	2	b	1	London (Westminster) ...	30.26		71	58	W	2	b	*
Mu. ...								Yarmouth ...	30.31		57	54	W	3	c	3
Bel. ...	30.36	64	59	W	2	o		Rocheport ...	30.07		76	67	W	3	b	*
Ho. ...	30.34	64	58	W	1	b	1									

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

Weather in morning fine generally over the Mediterranean, the western countries of Europe, with England and Ireland, as well as over Central Europe and the northern half of Russia, but hazy in many places; cloudy or overcast as a whole elsewhere, rainy over Hungary and the south of Russia and also at Bodo. Rainy later over the northern half of Norway, and a heavy thunderstorm reported at Rensselaers. Haze very prevalent in the English Channel.

Temperature risen fast over Sweden and northern Russia. Morning readings ranging from 75° to 63° over the Mediterranean and southern Europe, and exceeding 60° even at many of the Baltic and Finnish stations, as well as in the south of the British Isles. Locally low over the Netherlands, the lowest of all being 48° at Münster and Brussels, 50° at Leith, Aberdeen, and Lumburg Ht., 51° at Shields. Rising later to 84° at Lubow, 80° at Belfort, 79° at Brest, 70° to 75° in many inland and western parts of England, and 70° to 72° at the Swedish stations, but failing to reach 60° on the northern and eastern coasts of England.

Wind (1) W over the extreme northern parts of Europe, (2) light and anticyclonic rather further to the southward, and over the northern and western parts of the British Islands (3) N to NE over Germany, the Netherlands and southeast of England, NE to E over the English Channel, France, the Bay of Biscay and Spain, (4) light but cyclonic over Southern Europe.

Barometer highest 30.4 in. and more to 30.2 in. over the British Isles, North Sea, Baltic, and north of France and exceeding 30.3 in. over Central Russia, the Gulf of Finland and Baltic Provinces. Lowest 29.3 in. and less, in a depression (nearly filled up) over the south of Russia, and below 30.1 in. over Spain. Very shallow and local depression over Central Ireland later, and barometer falling over northern Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Sunday 11th June,

1893

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

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 5 th P. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 5 th P. 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.		
																			Ins.	°
SCANDINAVIA.																				
Häparesanda ...	30.05	50	L	0	C	30.14	+ .28	48	42	- 10	NNE	4	C	#	e	66	46	-		
Hernösand ...	30.14	60	W	2	B	30.19	+ .07	52	46	- 5	NNW	2	B	#	e	75	50	-		
Stockholm ...	30.10	55	NE	2	O	30.10	- .00	58	50	- 1	NNE	4	B	#	o	64	54	-		
Wisby ...	30.05	51	NE	4	O	30.06	- .03	51	49	- 5	NE	4	O	#	o	64	50	-		
Bodö ...	30.22	43	W	4	C	30.19	+ .04	44	43	+ 1	S	2	C	#	i	48	41	-		
SCANDINAVIA.																				
Christiansund ...	30.33	50	NNW	2	O	30.16	- .05	53	49	+ 4	S	1	O	1	o	52	48	-		
Skudesnaes ...	30.13	50	NNW	8	C	30.15	- .07	54	50	+ 1	NNW	6	C	2	c	55	48	-		
Christiania Fjord (Færd)	30.16	64	SE	4	C	30.16	+ .06	59	50	- 2	N	4	B	1	c	66	55	-		
Skagen (The Sound)	30.16	54	L	0	C	30.11	+ .01	62	58	+ 3	SSE	1	C	0	c	77	57	-		
Faro ...	30.07	53	NNW	4	O	30.04	- .08	56	53	+ 1	NW	2	C	#	o	64	50	-		
SCANDINAVIA.																				
Snaburgh Head	30.35	53	NW	2	C	30.23	- .10	53	52	+ 3	N	1	O	1	c	50	48	-		
Stornoway ...	30.34	59	NE	3	B	30.25	- .15	58	55	- 0	L	0	B	2	B	62	45	-		
Wick ...	30.41	55	E	1	B	30.29	- .14	58	56	- 0	L	0	B	0	B	60	42	-		
Nairn ...	30.36	63	ENE	2	B	30.29	- .12	58	55	- 2	L	0	B	0	B	67	38	-		
Aberdeen ...	30.38	54	SE	2	B	30.31	- .10	50	49	- 8	E	1	Bcf	2	B	62	47	-		
SCANDINAVIA.																				
Leith ...	30.36	58	E	2	B	30.29	- .13	60	55	+ 3	ENE	2	B	#	B	63	49	-		
Shields ...	30.36	55	NNE	2	C	30.30	- .10	52	50	+ 1	NNE	2	C	2	B	59	48	-		
Spurn Head ...	30.31	55	N	3	C	30.27	- .10	52	50	- 2	N	3	Ov	4	C	58	50	-		
York ...	30.36	60	NNE	1	B	30.31	- .10	53	51	- 0	NNW	1	O	#	B	65	45	-		
Loughborough	30.30	64	NE	2	B	30.32	- .09	51	48	- 1	NE	1	ogm	#	B	68	46	-		
SCANDINAVIA.																				
Ardrossan ...	30.32	63	L	0	B	30.28	- .10	62	57	+ 1	L	0	Bm	0	Bm	68	51	-		
Malin Head ...	30.32	58	ENE	3	Bm	30.24	- .14	60	57	+ 2	E	1	Bm	0	B	61	53	-		
Mullaghmore ...																				
Belmullet ...	30.32	61	NNE	2	B	30.22	- .15	66	62	+ 5	NE	1	B	#	B	66	55	-		
Donaghadee ...	30.33	57	NE	1	m	30.29	- .09	57	55	+ 3	ESE	2	m	0	m	61	52	-		
SCANDINAVIA.																				
Liverpool (Bilston)	30.30	69	ESE	1	B	30.28	- .10	60	54	+ 5	ESE	2	B	2	B	70	52	-		
Holyhead ...	30.30	60	NE	1	Bm	30.25	- .08	63	59	- 0	L	0	Bm	0	Bm	69	53	-		
Parsonstown ...	30.27	69	L	0	C	30.23	- .13	61	59	+ 2	L	0	B	#	C	76	48	-		
Valencia ...	30.28	67	S	2	Bm	30.20	- .13	66	61	+ 1	E	2	Cm	2	B	72	51	-		
Roche's Point	30.29	66	SE	1	B	30.22	- .13	60	58	- 2	ESE	3	m	3	B	67	54	-		
SCANDINAVIA.																				
Pembroke (St. Ann's Hd.)	30.29	59	ESE	1	B	30.23	- .12	60	58	+ 1	ESE	2	Bm	1	B	61	54	-		
Scilly ...	30.27	61	E	5	C	30.15	- .14	62	58	- 1	E	6	C	3	C	65	55	-		
Prawle Point ...	30.30	54	ENE	2	B	30.23	- .12	56	54	+ 4	E	4	ogm	3	B	57	51	-		
Jersey (St. Aubin's)	30.28	61	NE	5	Bm	30.22	- .10	61	56	+ 1	E	5	B	4	Bm	64	55	-		
Hurst Castle ...	30.32	61	SSW	3	Bm	30.26	- .10	58	55	+ 6	NE	1	B	1	Bm	67	50	-		
SCANDINAVIA.																				
Dungeness ...	30.29	58	ENE	3	B	30.24	- .07	56	53	+ 1	NE	4	O	3	B	62	51	-		
North Foreland	30.30	57	NE	2	B	30.24	- .08	65	52	+ 1	N	3	og	4	B	59	51	-		
London ...	30.31	64	SE	1	C	30.28	- .09	55	50	+ 2	NE	2	O	#	C	67	50	-		
Oxford ...	30.31	61	NE	1	B	30.29	- .09	55	50	+ 4	ENE	1	O	#	B	69	47	-		
Cambridge ...	30.33	64	NNW	2	B	30.29	- .09	55	51	- 1	NNW	4	O	#	B	69	49	-		
Yarmouth ...	30.33	56	N	3	B	30.25	- .09	55	51	- 0	N	3	C	4	B	59	51	-		
SCANDINAVIA.																				
Cuxhaven ...	30.18	59	NW	3	O	30.11	- .09	53	51	- 2	NNW	3	O	#	O	59	51	-		
Berlin ...	30.07	58	NNW	3	B	30.06	- .06	53	51	- 7	NNW	3	O	#	B	70	52	0.04		
Wiesbaden ...	*	*	*	*	*	30.17	+ .01	50	51	- 9	NNW	4	C	#	#	73	54	-		
Munich ...	30.10	63	N	5	C	30.14	- .01	57	52	- 6	NNW	5	B	#	C	72	52	-		
The Helder ...	30.30	55	N	5	C	30.22	- .10	54	51	- 1	NNW	4	C	3	C	57	52	-		
SCANDINAVIA.																				
Brussels (9 a.m.)	*	*	*	*	*	30.23	- .07	53	50	- 1	NNW	2	r	#	O	60	51	-		
Cape Gris Nez	30.27	55	E	4	B	30.21	- .06	55	52	+ 2	NE	1	O	#	B	61	52	-		
Paris ...	30.21	66	N	3	B	30.22	- .03	55	51	+ 1	NE	2	O	#	B	74	46	-		
Brest ...	?	74	ENE	3	B	?	?	58	56	+ 5	ESE	4	B	3	B	51	50	-		
Lorient ...	30.17	76	NE	3	B	30.11	- .12	57	54	+ 1	E	5	B	2	B	81	55	-		
SCANDINAVIA.																				
Rochefort ...	30.08	76	NNW	3	B	30.04	- .10	63	60	- 0	E	5	B	#	B	88	57	-		
Belfort ...	?	72	E	1	B	?	?	67	54	+ 5	NE	3	B	#	B	83	50	-		
Lyons ...	30.06	75	NNE	1	B	30.12	- .03	62	54	+ 3	N	1	B	#	B	78	55	-		
Nice ...	30.02	66	WSW	1	B	30.02	- .03	66	61	+ 2	ENE	1	B	#	B	70	55	-		
Perpignan ...	30.04	67	NNW	3	B	30.05	- .04	72	62	- 0	W	2	B	#	B	84	57	-		
Biarritz ...	30.06	69	N	2	O	29.92	- .21	69	60	+ 4	ESE	4	B	0	O	75	61	-		
SCANDINAVIA.																				
Corunna ...	*	*	*	*	*	29.94	- .03	73	63	- 1	S	6	C	1	#	82	61	-		
Lisbon ...	29.99	67	WSW	4	O	30.06	+ .08	68	62	- 4	SSW	3	B	#	O	93	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, 11th June 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

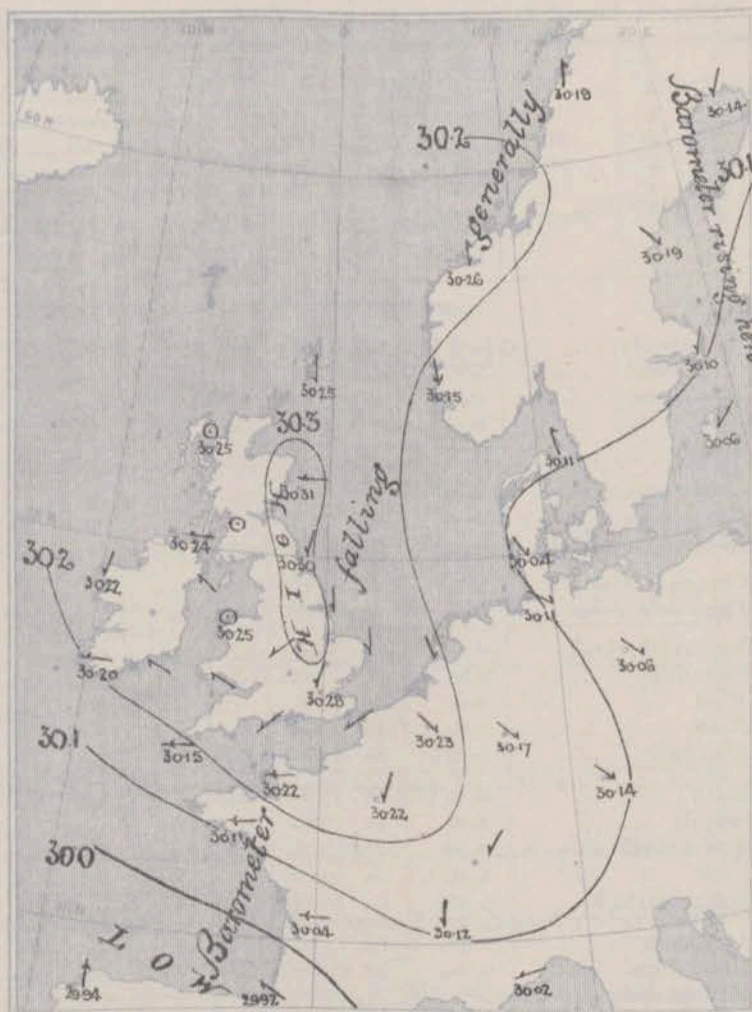
at 8.0 a.m. for the month of June.

During the 20 Years 1871-1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Samburgh Head	29.883
Stornoway	29.878
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Androssan	29.988
Mullaglmoro	29.996
Douaghaden	29.946
Holyhead	29.906
Liverpool	29.966
Parsonstown	29.973
Valencia	29.975
Roch's Point	29.973
Pembroke	29.974
Scilly	29.996
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.962
Oxford	29.980
Cambridge	29.985
Yarmouth	29.977



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 June.)

STATIONS.	TEMPERATURE.				RAINFALL. (inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Samburgh Head	54.0	45.0	50.3	48.4	1.98
Stornoway	58.0	45.0	53.3	51.1	2.85
Wick	58.0	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.0	47.0	55.0	52.3	1.80
Shields	60.6	48.5	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	60.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	55.0	2.22
Androssan	62.0	49.5	55.1	52.1	2.49
Mullaglmoro	61.1	51.4	54.0	52.0	2.79
Douaghaden	61.2	49.0	55.0	52.8	1.02
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.0	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roch's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.3	55.2	53.1	1.04
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.0	54.0	1.60
Jersey	64.0	52.5	58.6	55.8	1.01
Hurst Castle	64.2	54.0	57.7	55.5	1.02
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	60.1	50.0	58.0	54.6	2.11
Oxford	66.0	49.5	56.8	53.3	2.21
Cambridge	68.0	48.5	58.1	54.7	2.53
Yarmouth	62.0	51.1	56.0	54.0	1.85

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, 30.3 ins. and upwards over the northeastern part of Great Britain, 30.2 ins. and upwards, over the whole of our Islands, the adjacent parts of the North Sea, and the north of Norway.
 Lowest, 29.9 ins. and less, in a small shallow depression lying over the northeast of Spain.
 Gradients slight. Barometer falling generally, but rising in Sweden and the south of Norway, as well as at Lisbon.

TEMPERATURE

Highest (1) 72° at Perpignan, 69° at Genoa, 68° at Lisbon and 66° at Nice; (2) 66° at Bismarck and Valencia, Ireland and 65° at Holyhead.
 Lowest (1) 44° at St. Peter, 48° at Haparanda, and 51° at Nisby; (2) 50° at Aberdeen and 51° at Loughsweil; (3) at Loughsweil, Berlin, and Brussels.
 The highest maxima registered over our Islands yesterday were 76° at Larne, 74° at Killybegs (Ireland) and 70° at Liverpool; on the east coast of England the thermometer did not reach 60°.

WIND

Light or moderate from the N. on our east coast, as well as in Sweden and the south of Norway; NW over Denmark, Germany and the Netherlands.
 E or NE over the western and southern part of our Islands and the greater part of France; fresh or strong in force over the western part of the Channel.
 S on the west coast of the Iberian Peninsula.

WEATHER

Fine generally, but dull over the eastern and central parts of England, and foggy at Aberdeen.
 No rain fell yesterday at any of our stations, with the exception of Berlin. [The newspapers report a very heavy fall of rain yesterday in the neighbourhood of Odessa.]

SEA

Moderate at some of our eastern and southern stations, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

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

DISTRICTS.

FORECASTS.

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

None issued

DISTRICTS.

FORECASTS.

- 1 SCOTLAND WEST
- 2 ENGLAND N.W.
- 3 ENGLAND S.W.
- 4 IRELAND NORTH
- 5 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.	P.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.15	55	50	NNW	8	c	4	Valencia ...	30.32	69	65	W	2	bc	2
Sumburgh Head ...	30.36	55	54	WNW	2	c	3	Scilly ...	30.30	64	59	E	5	c	2
Stornoway ...	30.29	62	59	NE	3	b	3	Jersey ...	30.30	62	58	NNE	5	b	4
Aberdeen ...	30.40	50	53	E	2	bc	3	Hurst Castle ...	30.35	66	60	E	2	bc	1
Shields ...	30.40	59	53	NNE	2	bc	2	Dungeness ...	30.32	60	56	ENE	4	bc	3
Ardrossan ...	30.35	65	60	L	0	bm	0	North Foreland ...	30.32	59	55	NNE	3	bc	3
Malin Head ...	30.37	59	55	ENE	2	b	0	London ...	30.35	66	59	ENE	2	c	*
Mullaghmore ...	30.35	65	59	NNE	1	b	*	Yarmouth ...	30.35	58	54	N	4	bc	4
Belmullet ...	30.33	64	58	NE	1	bm	1	Rocheport ...	30.18	85	69	NNW	3	b	*
Holyhead ...	30.33	64	58	NE	1	bm	1								

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

Weather in morning fair or fine over the Mediterranean, western, and northwestern Europe, also over Central Russia, the Baltic Provinces and Poland, cloudy or overcast elsewhere, with rain at Lyons, Turin, Limburg, Kieff, and Nicolaieff. Rain later in several parts of central, southern, and eastern Europe, and a very heavy local thunderstorm reported [by newspapers] at Dolzelly, North Wales.

Temperatures in morning ranging from 64° to 77° at the Mediterranean and Spanish coast stations, 73° at Constantinople, and spreading 60° in many parts of Central Europe and Russia (68° at St. Petersburg, 64° at Krasnodar) as well as in the southwest coast of our Islands. Lowest 43° to 45° in the northwest of Norway, 50° at Sumburgh Hd., 51° at Oxford, 52° at York. Rising later to 90° and more over Central Algeria, [some reports wanting], to between 80° and 85° in the southwest of France, 75° to 80° over Italy, and 70° to 76° over Ireland. Not touching 70° over Great Britain as a whole.

Wind extremely light and anticyclonic over Ireland and Scotland; NW⁴ to N³ over Norway, the North Sea and North Germany, NE³ to E³ over England, France, the Bay of Biscay and Spain; very variable and light over Central and southeastern Europe. Becoming S² in several parts of our Islands later, and W³ over Spain.

Barometer in morning highest 30.4 ins. and more to 30.2 ins. in an anticyclone covering the British Isles, the North Sea and the neighbouring countries; 30.2 ins. and more to 30.1 ins. over Central Russia and the Baltic Provinces. Lowest, about 29.8 ins. or less over the Iberian Peninsula and White Sea, and 30.0 ins. and less, both over Portugal (with adjoining part of Atlantic) and over the south of Russia and Black Sea. Depression spreading more over Spanish Peninsula later, and moving northwards; barometer falling slightly over Western Europe generally.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on *Monday, 12th June,*

1893

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

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STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.			Amount of Rainfall.		
	Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.		Max.	Min.				
	Inch.	°					Inch.		°	°						°	Inch.			
SCANDINAVIA.	Haparanda ...	30.14	47	W	2	bc	30.04	-10	46	42	-2	SW	6	0	#	bc	61	30		
	Hernösand ...	30.14	38	SW	2	b	30.11	-05	60	53	+7	W	2	0	#	b	64	45		
	Stockholm ...	30.13	55	N	2	b	30.14	+09	59	48	+1	NNE	4	0	#	b	66	50		
	Wisby ...	30.10	51	ESE	4	b	30.14	+08	50	48	-1	NE	6	0	#	b	61	46		
	Bodö ...	30.07	46	E	2	τ	29.91	-28	48	47	+4	SW	6	τ	#	τ	52	41	0.32	
	Christiansund...	30.19	46	E	2	τ	30.15	-11	51	50	-2	WSW	7	f	3	b	59	50		
	Skudesnaes ...	30.18	53	W	4	bc	30.21	+06	51	49	-3	W	4	0	2	bc	61	46		
	Christiania Fjord (Farder)	30.12	63	SSW	3	b	?	?	62	56	+5	WSW	2	0	1	b	66	57		
	Skagen (The Scaw)	30.13	61	NW	1	b	30.17	+06	63	58	-1	SE	1	0	0	b	70	54		
	Fanö ...	30.10	57	NE	2	b	30.13	+09	57	55	+1	ESE	1	0	#	b	63	50	0.55	
BRITISH ISLANDS.	Sumburgh Head	30.20	57	W	1	b	30.16	-09	54	53	+1	S	2	0	2	b	59	48		
	Stornoway ...	30.17	67	NE	2	b	30.12	-13	61	59	+3	S	2	0	2	b	68	45		
	Wick ...	30.23	57	SE	1	b	30.18	-11	57	55	-1	SE	2	0	1	b, f	62	48		
	Nairn ...	30.16	66	E	1	b	30.15	-14	59	56	+1	2	0	0	b	68	47			
	Aberdeen ...	30.23	55	SE	2	b	30.19	-12	55	52	+5	S	2	0	2	f, b	57	48		
	Leith ...	30.20	61	ESE	2	b	30.18	-11	59	54	-1	ESE	1	0	#	b	65	47		
	Shields ...	30.22	55	ESE	2	b	30.19	-11	53	51	0	ESE	2	0	2	b	68	48		
	Spurn Head ...	30.19	54	N	3	ov	30.14	-13	53	52	+1	NNE	3	0	3	ov	55	49		
	York ...	30.22	61	E	1	b	30.19	-12	53	50	0	ESE	2	0	#	b	65	45		
	Loughborough	30.22	58	NE	2	0	30.18	-14	52	50	+1	NNE	2	0	#	0	64	40		
GERMANY & HOLLAND.	Ardrossan ...	30.16	62	SSW	1	b	30.14	-14	63	56	+1	NE	1	bm	0	b	67	50		
	Malin Head ...	30.15	62	SE	3	bc	30.14	-10	61	57	+1	E	1	0	0	b, bc	68	57		
	Mullaghmore ...																			
	Belmullet ...	30.15	67	N	2	b	30.11	-11	64	58	-2	E	1	0	#	b	72	56		
	Donaghadee ...	30.20	63	SE	2	b	30.16	-13	56	54	-1	NE	3	m	1	b	65	54		
	Liverpool (Bidston)	30.18	64	ESE	3	b	30.18	-10	53	50	-7	E	3	0	2	b	69	49		
	Holyhead ...	30.18	60	NNE	2	b	30.13	-12	62	55	-1	E	2	bw	2	b	68	52		
	Parsonstown ...	30.14	70	Z	0	b	30.10	-13	58	56	-3	Z	0	0	#	b, 0	75	46		
	Valencia ...	30.11	70	E	3	cm	30.06	-14	65	60	-1	ESE	2	cm	2	cm	74	51		
	Roche's Point	30.13	66	SE	1	b	30.07	-15	63	59	+3	ESE	3	cm	3	b	66	53		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.14	63	N	2	c	30.11	-12	56	53	-4	E	4	bc	3	c	64	52		
	Scilly ...	30.08	60	E	5	c	30.00	-15	59	56	-3	E	6	c	3	c	63	56		
	Prawle Point ...	30.15	55	E	4	c	30.07	-16	55	51	-1	E	5	cg	4	c	61	52		
	Jersey (St. Aubin's)	30.10	61	ESE	5	b	30.05	-17	60	56	-1	ESE	4	bm	3	b	65	55		
	Hurst Castle ...	30.15	59	SE	3	b	30.12	-14	55	52	-3	E	4	c	2	b	67	50		
	Dungeness ...	30.16	57	E	5	c	30.10	-14	55	53	-1	ESE	4	0	4	c	62	53		
	North Foreland	30.15	55	NE	4	c	30.09	-15	54	51	-1	E	2	og	3	c, q	59	51		
	London ...	30.18	55	NE	2	0	30.14	-14	52	49	-3	E	2	og	#	b, 0	67	50		
	Oxford ...	30.19	56	NE	1	bc	30.15	-14	51	48	-4	ESE	2	og	#	0, c, bc	64	45		
	Cambridge ...	30.21	57	NW	2	0	30.14	-15	57	52	+2	NW	4	0	#	0	63	50		
PENIN- SULA.	Yarmouth ...	30.19	56	N	3	c	30.13	-12	55	52	0	E	2	cv	3	c	57	51		
	Cuxhaven ...	30.11	59	NW	3	c	30.18	+07	61	59	+8	E	2	0	#	c	62	53		
	Berlin ...	30.00	57	W	3	0	30.05	-01	55	53	+2	NNE	3	0	#	0	59	52	0.12	
	Wiesbaden ...						30.08	-09	56	53	0	NNE	2	0	#	#	64	50		
	Munich ...	30.06	58	SW	5	bc	30.04	-10	54	50	-3	W	1	0	#	bc	68	52		
	The Helder ...	30.16	54	N	1	c	30.18	-04	54	51	0	ESE	1	c	1	c	55	52		
	Brussels (9 a.m.)	*	*	*	*	*	30.12	-11	55	49	+2	E	4	0	#	c	65	51		
	Cape Gris Nez	30.13	55	ESE	4	c	30.07	-14	54	52	-1	E	2	0	2	c	61	52		
	Paris ...	30.09	63	NNE	2	b	30.04	-18	57	53	+2	ESE	2	0	#	b	69	48		
	Brest ...	?	67	ESE	4	bc	?	?	60	55	+2	ESE	2	bc	3	bc	81	50		
FRANCE AND BELGIUM.	Lorient ...	29.99	72	SSW	2	0	29.97	-14	59	54	+2	ESE	4	0	2	0	82	55		
	Rochefort ...	29.90	81	ESE	3	bc	29.89	-15	63	58	0	E	3	0	#	bc	95	50		
	Belfort ...	?	72	NE	3	b*	?	?	67	56	0	NE	3	0	#	b	84	50		
	Lyons ...	29.95	75	NNE	1	b	29.97	-15	62	54	0	W	1	0	#	b	81	57		
	Nice ...	29.94	67	SW	1	bc	29.93	-09	62	57	-4	E	2	0	1	bc	75	57		
	Perpignan ...	29.91	72	NE	3	bc	29.94	-11	73	61	+1	W	2	0	#	bc	80	57		
	Biarritz ...	29.93	69	WSW	5	bc	29.99	+07	66	61	-3	NW	3	0	2	bc	93	64		
	Corunna ...		*	*	*	*														
	Lisbon ...	30.09	66	NE	4	b	30.07	+01	68	63	0	SW	3	0	#	b	72	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, 12th June, 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:

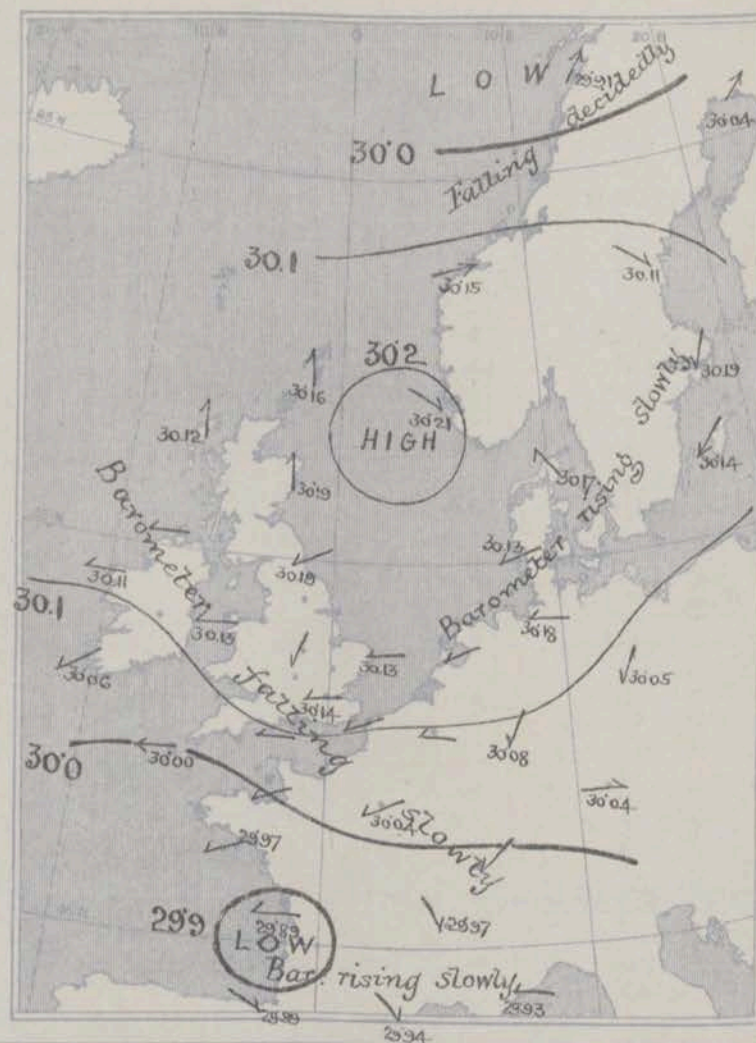
☼ = Rough. ☼ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.982
Mullaghmore	29.986
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.906
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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.

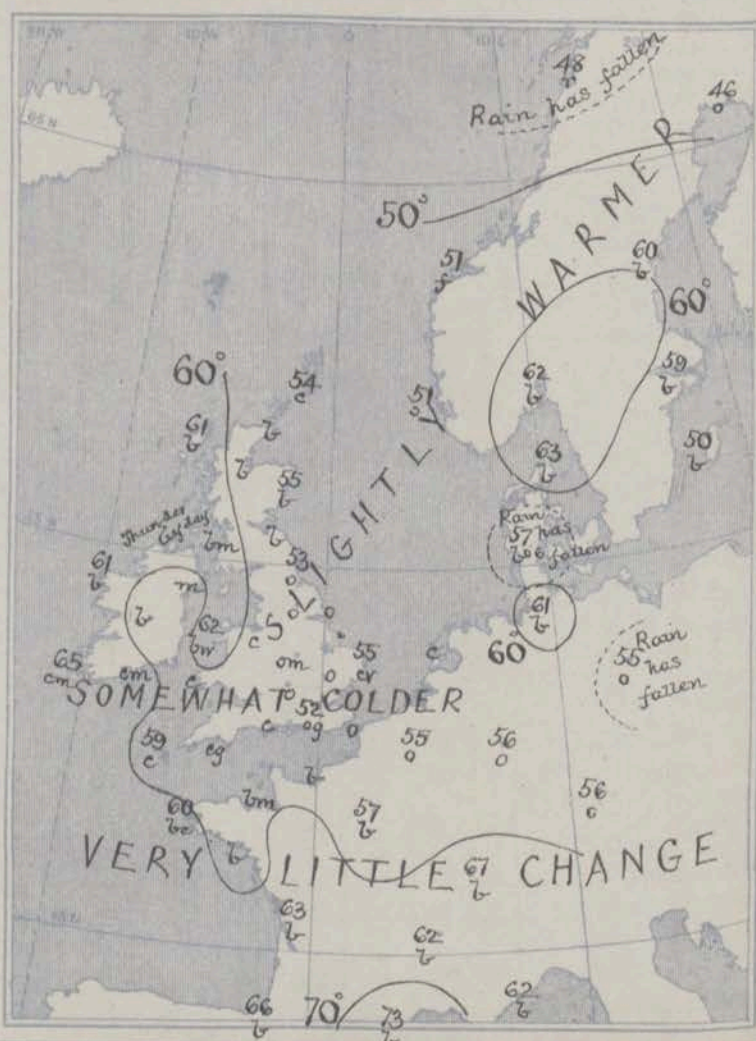
WEATHER—is shown by letters of the Beaufort Scale.

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 June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry. at 8 a.m.	Wet.	
Sumburgh Head	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.0	53.3	51.1	2.85
Wick	58.0	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.0	47.0	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	60.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.0	52.0	2.70
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.0	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.50
LONDON	69.1	50.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. and upwards, in a small area lying off the southwest of Norway; 30.1 in. and upwards in an anticyclone covering the greater part of our Islands, the Netherlands, Denmark, the North Sea and the southern half of Scandinavia.
 Lowest, 29.9 in. and less, in a depression lying off the northwest of Norway, and also in a small shallow system over the west of France.
 Gradients slight. Barometer rising a little in Denmark and the south of Scandinavia and also in the south of France, but falling elsewhere.

TEMPERATURE

Highest, (1) 73° at Perpignan, 68° at Lisbon, and 66° at Riga; (2) 65° at Valencia (Ireland) and 64° at Balmuccia; (3) 63° at St. Peter and St. Paul.
 Lowest, (1) 46° at Haparanda, 48° at Rangoon, and 51° at Christiania and Stockholm; (2) 51° at Oxford, and 52° at Loughborough and in London.
 The highest maxima registered over our Islands yesterday were 75° at Larne, 74° at Valencia (Ireland) and 72° at Balmuccia; on our east coasts the thermometer did not reach 60°.

WIND

E³ or NE³ over England, Ireland, the Netherlands, Germany, and the greater part of France, light or moderate in force generally, but strong at the mouth of the Channel.
 Light from the S³ in Scotland; strong from the SW³ over the northern part of Scandinavia.
 Light from the W³ in the extreme south of France, and from the SW³ at Lisbon.

WEATHER

Cloudy or overcast over England, the Netherlands and Germany, and also in the west of Norway; with rain at H³ and fog at Christiania.
 Fine and light in nearly all other parts of Western Europe.
 The only stations at which rain fell yesterday were Rangoon, Riga, and Berlin. Thunder was heard at Malinthead.

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small depression over France which was moving northwards last evening has since remained almost stationary.
 Fair weather is likely to continue in most parts of the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 13th June, 1893.

DISTRICTS.

FORECASTS.

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

S³ winds, light; fine generally.
 NE³ and E³ winds, light; fair generally.
 E³ winds, light or moderate, fair generally.

DISTRICTS.



FORECASTS.

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

Same as Nos 2 to 4.
 E³ winds, fresh; fair generally.
 E³ to SE³ winds, light; fine generally.

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.18	62	54	NW	4	bc	2	Valencia ...							
Sumburgh Head ...								Scilly ...							
Stornoway ...	30.19	63	62	E	3	b	3	Jersey ...	30.15	65	59	ESE	5	b	4
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	30.19	61	56	E	4	b	3
Ardrossan ...								North Foreland ...	30.18	59	55	NE	4	c	3
Malin Head ...	30.18	62	58	E	3	b	1	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	30.20	70	64	NEW	1	b	1	Rochefort ...	29.97	91	76	ENE	3	b	*
Holyhead ...	30.20	67	57	ENE	2	b	1								

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

Weather in morning fine over the Mediterranean, southern and western Europe including the British Islands; fine also over Austria, eastern Russia and at many stations over the northern half of Russia. Cloudy or overcast elsewhere. Rain later - in small quantity at Berlin, but considerable at Paris and Bodo.

Temperature in morning 70° to 75° on the southern and western sides of the Mediterranean, and at Constantinople, 60° or more over southern and eastern Europe generally; as well as in the southwest of our Islands; exceeding 50° almost everywhere else. Lowest 44° at Bodo, 46° at Archangel, 48° at Haparanda, and 50° at Aberdeen. Rising later to 93° at Biarritz, to more than 80° over the southern parts of France as a whole, and to between 70° and 75° over Ireland, but not touching 70° over Germany, the north of France, England or Scotland.

Wind light to moderate from the N.W. over Scandinavia and the North Sea, and from the E. over Ireland; the western parts of the English Channel and the Bay of Biscay; NW. over Germany and Austria; light and variable over the Mediterranean. No decided change later.

Barometer Highest 30.3 ins. and more to 30.1 ins. in an anticyclone covering the whole of the British Islands and northwestern Europe; exceeding 30.1 ins. over Algeria, and exceeding 30.0 ins. over central Russia. Lowest. Below 30.0 ins. off the northwest coast of Spain, and in a "hollow" stretching thence in an E. direction across the north of Spain to the southwest of France; Below 29.9 ins. both over northern and southern Russia. Falling over our Islands and France later, rising slightly over Spain.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 4TH TO 10TH JUNE 1893.

The early part of last week was showery, the amount of rainfall being rather large in some parts of Scotland and the northwest of Ireland. About the middle of the period, however, drought again set in, and on the three last days no rain was measured over our Islands, with the exception of some very slight falls on our northeast coasts, and a heavy, but very local downpour at Parsonstown. Thunderstorms occurred over the E. part of Great Britain on the 4th.

At the commencement of the week anticyclonic systems were reported both over northern Europe and to the southwest of our Islands, while a shallow depression was found off our extreme northwest coasts. The prevailing winds over the United Kingdom were SW. or W., but their force was everywhere light or moderate.

On the 6th the depression moved away, and the two high pressure areas became merged into one large anticyclone which covered nearly the whole of western and northern Europe. During the latter part of the week the central portion of the anticyclone lay over Scandinavia & the northern parts of the North Sea, and the winds in our Islands were mostly E., with fine weather in most districts but with a good deal of cloud over the eastern and central parts of England in the early morning. Fog was very prevalent on our northern coasts on the 8th and 9th, and on the evening of the latter day a thunderstorm with very heavy rain (1.2 inches) occurred at Parsonstown.

Over England and Ireland temperature has been on the whole rather high for the time of year, the daily maxima at the inland stations being frequently above 70°, and sometimes above 75°. On the east coast of Great Britain the thermometer has seldom reached 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.

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on TUESDAY 13TH JUNE. 1893

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

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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.
	Ins.	°					Ins.	°	°	°						°	Ins.			
SCANDINAVIA.	Haparanda ...	29.77	43	W	2	bc	29.80	-24	53	49	7	N	4	0	*	bc	72	44	—	
	Hernösand ...	30.01	60	SW	2	c	30.01	-23	55	51	-5	W	0	c	*	c	66	41	0.04	
	Stockholm ...	30.01	58	S	2	b	30.03	-16	64	58	+5	NNE	2	b	*	b	70	45	—	
	Wisby ...	30.11	54	SE	4	b	30.07	-07	59	54	7	WSW	4	b	*	b	61	45	—	
	Bodö ...	29.88	44	SW	6	7	29.96	+05	43	42	-5	W	6	7	4	7	46	43	0.32	
	Christiansund...	30.14	51	WSW	5	7	30.19	+04	53	48	7	WSW	2	c	2	7	55	44	0.20	
	Skudesnaes ...	30.18	50	NNW	6	0	30.15	-06	52	50	+1	NNW	4	0	2	c, 0	55	44	—	
	Christiania Fjord (Fjorder)	30.06	65	SSW	4	b	30.05	—	63	58	+1	2	0	b	1	b	65	61	—	
	Skagen (The Scaw)	30.08	56	NNW	1	b	30.07	-10	59	56	-4	WSW	2	b	0	b	66	—	—	
	Fanö ...	30.12	58	N	2	b	30.12	-01	59	54	-2	NNW	2	7	*	b	70	50	—	
BRITISH ISLANDS.	Sumburgh Head	30.14	53	S	1	c	30.10	-06	51	50	-3	S	1	0	2	c	56	47	—	
	Stornoway ...	30.06	64	NE	2	b	30.01	-11	64	61	+3	2	0	b	2	b, b	71	46	—	
	Wick ...	30.12	58	S	2	b	30.01	-10	56	54	-1	S	2	b	1	b	62	50	—	
	Nairn ...	30.08	65	E	1	b	30.05	-10	57	56	-2	2	0	m	0	b	69	47	—	
	Aberdeen ...	30.15	52	SSW	2	bc	30.10	-05	52	50	-3	S	2	0	3	b, b	58	50	—	
	Leith ...	30.10	57	NNE	2	b	30.08	-10	52	51	-7	NNE	1	om	*	b	63	50	—	
	Shields ...	30.14	53	ESE	3	0	30.10	-05	53	51	0	ESE	2	0	2	0	56	49	—	
	Spurn Head ...	30.11	52	E	3	0	30.08	-06	52	51	-1	NE	3	f	3	0	55	50	—	
	York ...	30.14	58	E	1	0	30.11	-08	58	53	+2	E	1	c	*	0	62	53	—	
	Loughborough	30.09	64	ESE	3	bc	30.06	-12	59	55	+7	ESE	2	om	*	bc	65	47	—	
GERMANY & HOLLAND.	Ardrossan ...	30.06	64	SWW	1	bm	30.05	-05	58	53	-5	NE	2	om	1	bm	72	50	—	
	Malin Head ...	30.05	60	E	3	b	30.02	-12	58	55	-3	SE	2	bm	0	b	63	53	—	
	Mullaghmore ...	30.00	71	NE	1	b	30.00	-11	61	57	-3	E	1	b	*	b	74	53	—	
	Belmullet ...	30.07	63	SWW	3	m	30.06	-10	58	53	-5	ESE	2	f	0	m	64	54	—	
	Donaghadee ...	30.07	63	SWW	3	m	30.06	-10	58	53	-5	ESE	2	f	0	m	64	54	—	
	Liverpool (Bidston)	30.06	64	ESE	3	b	30.04	-14	58	54	+5	ESE	3	bc	3	b	65	53	—	
	Holyhead ...	30.06	59	SW	2	b	30.00	-13	65	58	+3	ESE	1	bm	1	b	67	52	—	
	Parsonstown ...	30.01	67	2	0	c	29.97	-13	60	57	+2	SE	1	c	*	c	70	50	—	
	Valencia ...	29.99	65	ESE	4	mcg	29.95	-11	60	57	-5	NE	1	bm	1	cm, cmg	70	49	—	
	Roche's Point	30.03	60	SE	3	c	29.95	-12	61	57	-2	E	3	b	3	c	64	52	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.02	58	ESE	3	bc	29.94	-15	60	57	+4	E	3	bc	3	bc	61	52	—	
	Scilly ...	29.97	57	E	5	c	29.87	-13	59	57	0	E	4	c	3	c	63	52	—	
	Prawle Point ...	30.00	52	E	5	c	29.90	-15	59	57	+4	NE	5	cm	4	c	59	53	—	
	Jersey (St. Aubin's)	29.96	62	NE	4	b	29.88	-15	61	61	7	E	3	cmg	3	b	63	58	—	
	Hurst Castle ...	30.03	62	E	3	b	29.95	-15	63	60	+4	E	3	c	1	c, b	65	58	—	
	Dungeness ...	30.03	57	ESE	5	b	29.98	-12	61	58	+6	E	4	b	3	b, b	61	53	—	
	North Foreland	30.04	57	E	3	b, g	29.99	-10	62	59	+4	E	2	b	3	b, b	62	53	—	
	London ...	30.05	60	ESE	2	bc	30.01	-13	66	60	+14	ESE	3	b	*	b, b	67	52	—	
	Oxford ...	30.04	58	ESE	1	b	30.00	-15	63	58	+12	ESE	1	b	*	c, b	69	49	—	
	Cambridge ...	30.07	60	E	2	b	30.03	-11	65	59	+4	ESE	4	b	*	b	73	48	—	
PENINSULA.	Yarmouth ...	30.12	56	E	3	c	30.06	-05	59	56	+4	E	3	b	3	c	59	51	—	
	Cuxhaven ...	30.18	63	NNW	3	b	30.17	-01	65	63	+4	E	1	m	*	b	65	61	—	
	Berlin ...	30.08	62	NNE	3	bc	30.08	+03	56	53	+1	NNW	2	0	*	bc	66	52	0.12	
	Wiesbaden ...	30.05	53	SW	2	c	30.06	-02	62	56	+6	NE	4	b	*	*	70	48	—	
	Munich ...	30.05	53	SW	2	c	30.07	+03	55	44	+1	NE	1	b	*	c	64	45	—	
	The Helder ...	30.15	60	NE	4	b	30.14	-04	60	57	+6	ESE	1	b	1	b	63	54	—	
	Brussels (9 a.m.)	30.04	58	ENE	4	*	30.04	-08	66	57	+11	ESE	4	b	*	b	69	51	—	
	Cape Gris Nez	30.02	58	ENE	4	bc	29.97	-10	64	57	+10	SE	2	b	2	bc	67	52	—	
	Paris ...	30.02	58	ENE	2	b	29.95	-09	65	56	+4	NE	2	b	*	b	77	52	—	
	Brest ...	30.01	67	NNW	2	b	29.95	-09	62	60	+2	NNW	2	bc	2	b	77	54	—	
GERMANY & HOLLAND.	Lorient ...	30.01	66	W	4	b	29.89	-08	63	61	+4	W	2	b	2	b	75	57	—	
	Rochefort ...	29.91	66	NNW	5	bc	29.92	+03	64	63	+1	NNW	2	bc	*	b, bc	75	61	—	
	Belfort ...	29.91	67	NNW	3	bc	29.92	+03	64	63	+1	NE	5	b	*	bc	62	48	—	
	Lyons ...	29.86	77	NNW	1	b	29.92	-05	63	53	+1	N	1	b	*	b	84	56	—	
	Nice ...	29.86	66	W	1	c	29.89	-04	67	63	+5	2	0	b	1	c	78	53	0.12	
	Perpignan ...	29.86	60	SW	2	b	29.80	-05	74	63	+1	W	1	b	*	b	70	64	—	
	Biarritz ...	29.97	70	N	1	b	29.93	-06	63	61	-3	ESE	3	0	1	b	75	52	—	
	Corunna ...	30.08	66	NNW	4	*	30.07	00	67	62	-1	NNW	4	bc	*	b	70	64	—	
	Lisbon ...	30.08	66	NNW	4	*	30.07	00	67	62	-1	NNW	4	bc	*	b	70	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 Tuesday, 13th June, 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 June.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardsman	29.982
Mullaghmore	29.986
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.990
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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 June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.0	47.9	55.9	52.3	1.80
Shields	60.0	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.0	49.0	57.8	53.0	2.22
Ardsman	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.0	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.50
LONDON	60.1	50.6	58.0	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in: and more in an anticyclone, of slight and decreasing intensity covering the North Sea and adjoining countries, and 30.0 in: and more over the southwest of Spain.

Lowest, 29.9 in: and less, in a shallow depression over Brittany and the eastern parts of the English Channel.

Gradients slight — mainly favourable for E. winds over the United Kingdom, irregular elsewhere.

Barometer falling a little in our Islands, rising again both over Lapland and the west of France. In Portugal it is falling again.

TEMPERATURE

Highest, 74° at Perpignan, and above 65° in many parts of France and in London; above 60° at Stockholm, Gasterby, and Tromsø.

Lowest, 43° at Bodo, 51° at Sumburg, H., 52° at Aberdeen and Speer H.

The maxima recorded yesterday exceeded 80° in the south of France, and exceeded 70° at the other French stations.

WIND

W^h over Scandinavia, strong at Bodo, a gale at Hunsand. S^h very light in Scotland — E^h moderate over Ireland and England, fresh in the Channel — N^h at Brest, W^h at Lorient and Rostock.

The E^h wind seems to be still freshening in the Channel.

WEATHER

Dull in the north and west of Scandinavia, with rain at Bodo; dull in North Germany also, raining at Rostock. Elsewhere it is fine generally, and in many places cloudless.

Rain has fallen at Alton, Berlin, and in several parts of Scandinavia; at Bodo the amount measured was 0.32 in. Thunder occurred at Narvik yesterday.

SEA

Moderate in the Channel, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over Brittany is moving northwards, and seems likely to cause some disturbance in the weather over our southern district — possibly thunder and rain in places.

FORECASTS

For the 24 hours ending at NOON on 14th June, 1893.

DISTRICTS.

FORECASTS.

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

S^h and SE^h airs; fine, hazy.

Same as No 5.

E^h and SE^h breezes, moderate; fine, warm, then varying airs, close, and less fair, possibly thunder showers.

DISTRICTS.

FORECASTS.

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

Varying SE^h airs; fine, warmer.

E^h breezes, moderate; fair.

Same as No 5.

Varying E^h and NE^h breezes; fine to unsettled and thundery.

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 ...	30.20	53	51	NW	6	c	2	Valencia ...	30.02	69	64	E	3	cm	3
Samburgh Head ...	30.16	53	53	NW	1	c	2	Scilly ...	29.99	62	59	E	6	c	4
Stornoway ...	30.09	65	64	S	3	bc	3	Jersey ...	30.02	65	59	NE	4	b	3
Aberdeen ...	30.17	53	51	SE	3	b	3	Hurst Castle ...	30.09	60	59	ENE	4	bc	3
Shields ...	30.17	53	52	ENE	2	o	2	Dungeness ...	30.08	60	59	ENE	4	bc	3
Ardrossan ...	30.09	66	61	SE	1	bm	1	North Foreland ...	30.08	59	56	E	3	b	3
Malin Head ...	30.09	63	59	SE	3	b	1	London ...	30.08	63	59	ESE	2	bc	3
Mullaghmore ...								Yarmouth ...	30.14	59	59	E	3	c	3
Behmallet ...	30.06	73	62	E	1	b	*	Rochefort ...	29.91	70	64	WNW	4	b	*
Holyhead ...	30.09	65	59	E	2	b	2								

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

Weather in morning cloudy or overcast over England, the Netherlands, and the greater part of Central Europe, as well as in the west of France, with rain at Bodo and Vienna. Fine and bright in almost all other localities. Sky clearing later over the southern parts of England, and weather remaining very dry over the entire Kingdom. Rain falling over the northern parts of Scandinavia, as well as at Berlin and Kiev.

Temperature risen a little over Scandinavia, Denmark, and the eastern parts of Great Britain, fallen in the south of England, changed irregularly elsewhere. Morning readings highest 85° at Algiers, 82° at Oran, 77° at La Calle, and 74° at Barcelona, above 65° over Southern Europe generally, and above 60° on several parts of our western coasts. Lowest (1) 41° at Archangel, 46° at Haparanda and 48° at Bodo; (2) 51° at Oxford, and 52° at Loughborough and in London; below 55° over all the eastern and central parts of England. Rising during day to 70° or more in many parts of Ireland and the west of Scotland and also at Cambridge, but remaining below 60° on our east coasts. Exceeding 80° over the southern parts of France and reaching 90° at Perpignan.

Wind E³ or NE³ over Ireland, England, the Netherlands, Germany, and the greater part of France; light or moderate in force generally, but strong at the mouth of the Channel. Light from the SE² in Scotland. Strong from the SW² over the northern part of Scandinavia. N¹ at most of the Russian stations; variable in Italy; SW¹ in Spain and Algeria; W¹ in the south of France. No important change occurring later.

Barometer highest 30.1 in: to 30.2 in: in a large anticyclone covering the greater part of our Island, with the North Sea, the Netherlands, Denmark, Finland, and the southern half of Scandinavia; 30.0 in: and upwards, in two other systems lying respectively over the south of Spain and the central parts of the Mediterranean. Lowest 29.8 in: and less, in a shallow depression over the south of Russia, 29.9 in: and less, in another shallow system over the west of France, and also in a more important disturbance off the northwest of Norway. French depression subsequently moving slowly northwards; barometer falling in most parts of northern 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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" Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on WEDNESDAY 14TH JUNE. 1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	Barom.	Temp.	Wind.	Force	Weather.		Barometer.	Shade Temp.	Wet Bulb.	Change in dry since Yesterday.	Wet Bulb.	Change in dry since Yesterday.	Wet Bulb.	Change in dry since Yesterday.	Wet Bulb.	Change in dry since Yesterday.	Shade Temp.	Max.	Min.	Amount of Rainfall.
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	(0 to 12).			Reading at 32° F. and Sea Level.	Dry Bulb.	Wet Bulb.		Dry Bulb.	Wet Bulb.		Dry Bulb.	Wet Bulb.					
	Inch.	°					Inch.	°	°	°	°	°	°	°	°	°		°	°	Inch.
SCANDINAVIA.	Haparanda ...	29.84	51	N	2	b	30.10	+30	51	47	-2	NNE	4	b	*	b	61	39	—	—
	Hernösand ...	30.10	56	W	4	b	30.15	+07	55	49	0	N	2	b	*	b	61	39	—	—
	Stockholm ...	30.07	55	ESE	2	b	30.12	+09	58	50	-6	N	4	b	*	b	62	38	—	—
	Wisby ...	30.04	55	SE	6	b	30.10	+08	58	51	+1	ESE	4	0	0	b	70	38	—	—
	Bedö ...	30.16	44	NNW	2	0	30.23	+27	49	46	+6	2	0	0	0	0	70	46	0.04	—
	Christiansund...	30.20	56	NW	2	b	30.13	-06	57	53	+4	ENE	2	m	1	b	59	48	—	—
	Skudesnaes ...																			
	Christiania Fjord (Færdier)	29.99	65	WNW	3	b	30.10	+05	61	57	-2	NNE	6	b	1	b	66	59	—	—
	Skagen (The Scaw)	30.03	54	W	1	m	30.08	+01	53	56	0	NNE	1	0	0	m	68	52	—	—
	Fanö ...	30.07	54	NNW	2	0	30.06	-06	53	53	0	NNW	2	0	*	0	66	48	—	—
BRITISH ISLANDS.	Sumburgh Head	30.07	53	S	1	0	30.05	-05	57	57	0	SE	1	0	2	0	56	48	—	—
	Stornoway ...	30.20	60	NE	2	b	29.93	-08	61	60	-3	2	0	m	2	b	68	48	—	—
	Wick ...	30.04	58	SE	1	b	30.00	-08	58	54	-1	S	2	f	1	b	64	50	—	—
	Nairn ...	29.98	67	E	1	b	29.97	-08	57	56	0	2	0	m	1	b	63	46	—	—
	Aberdeen ...	30.06	52	S	4	0.99	30.05	-05	52	49	0	S	3	c	3	0.99	55	50	—	—
	Leith ...	30.01	59	N	2	b	30.01	-07	58	58	+7	NNE	1	b	*	b	60	50	—	—
	Shields ...	30.06	52	ESE	3	c	30.03	-07	52	51	-1	E	2	0	2	0	59	48	—	—
	Spurn Head ...	30.00	53	ENE	4	om	29.97	-11	58	53	+3	NE	3	0	4	om	59	49	—	—
	York ...	30.03	64	E	2	b	30.01	-10	53	51	-2	NE	2	0	*	b	65	44	—	—
	Loughborough	29.95	72	ESE	4	b	29.95	-11	57	54	-2	NE	3	cm	*	b	76	50	—	—
GERMANY & HOLLAND.	Ardrossan ...	29.97	70	WNW	1	b	29.95	-10	62	57	+7	NE	3	b	1	b	71	51	—	—
	Malin Head ...	29.96	59	E	2	b	29.89	-13	59	55	+1	SE	4	b	1	b	66	53	—	—
	Mullaghmore ...																			
	Belmullet ...	29.94	65	NNE	2	b	29.87	-13	65	61	+4	NE	1	b	*	b	70	54	—	—
	Donaghadee ...	29.97	63	N	3	m	29.93	-13	57	54	+2	E	4	c	2	b	64	53	—	—
	Liverpool (Bldston)	29.92	71	E	3	b	29.92	-12	60	58	+2	E	2	0	2	b	74	53	—	—
	Holyhead ...	29.94	68	ENE	2	cm	29.89	-11	63	57	-2	E	3	0	0	b	70	53	0.10	—
	Parsonstown ...	29.90	68	SE	1	b	29.86	-11	63	58	+3	2	0	b	*	b	71	53	—	—
	Valencia ...	29.90	64	NNW	2	b	29.84	-11	62	60	+2	2	0	b	*	b	68	51	—	—
	Roche's Point	29.90	62	ESE	3	c	29.84	-11	63	60	+2	E	3	c	3	c	65	56	—	—
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.88	64	N	1	c	29.83	-11	62	58	+2	E	3	b	2	c	70	57	—	—
	Scilly ...	29.85	65	ESE	2	c	29.78	-09	62	60	+2	E	4	c	1	cm	66	56	—	—
	Prawle Point ...	29.87	59	E	4	c	29.81	-09	63	58	+4	E	2	b	1	c	74	58	0.08	—
	Jersey (St. Aubin's)	29.85	66	NNW	3	opting	29.84	-04	65	61	-2	ENE	1	b	1	opting	71	54	0.01	—
	Hurst Castle ...	29.89	70	ESE	4	b	29.85	-10	63	60	0	ENE	3	cm	1	b	74	60	—	—
	Dungeness ...	29.88	62	E	5	b	29.84	-14	64	60	+3	E	3	c	2	b	68	57	—	—
	North Foreland	29.92	61	E	4	b	29.86	-13	62	60	0	E	1	b	2	b	64	57	—	—
	London ...	29.92	65	E	3	b	29.86	-12	65	62	+3	ENE	1	b	*	b	78	53	—	—
	Oxford ...	29.91	67	E	1	b	29.89	-11	59	56	-4	NE	1	0	*	b	75	50	—	—
	Cambridge ...	29.96	72	ENE	4	b	29.89	-14	67	60	+2	NNW	4	b	*	b	81	45	—	—
PENINSULA.	Yarmouth ...	30.01	57	ENE	4	b	29.93	-13	60	57	+1	E	3	b	3	b	62	53	—	—
	Cuxhaven ...	30.11	61	N	3	b	30.08	-09	62	59	-3	ENE	2	b	*	b	65	60	—	—
	Berlin ...	30.01	69	NE	1	b	30.03	-05	64	56	+4	NE	3	b	*	b	75	53	—	—
	Wiesbaden ...						29.98	-08	65	58	+3	E	1	b	*	b	77	48	—	—
	Munich ...	30.06	53	E	4	b	30.02	-05	60	49	+5	E	5	b	*	b	77	41	—	—
	The Helder ...	30.06	61	NE	4	b	30.03	-11	61	57	+1	ENE	3	b	3	b	66	57	—	—
	Brussels (9 a.m.)						29.91	-13	69	57	+3	ESE	4	b	*	b	77	56	—	—
	Cape Gris Nez	29.90	63	E	4	b	29.84	-13	62	58	+5	SE	1	b	1	b	75	53	—	—
	Paris ...	29.84	71	NE	2	b	29.85	-10	64	59	-1	SE	2	b	*	b	75	53	—	—
	Brest ...		62	SE	2	0			61	60	-1	ESE	2	7	3	0	70	53	0.71	—
GERMANY & HOLLAND.	Lorient ...	29.88	65	WNW	3	c	29.82	-07	61	59	-2	SE	3	7	3	c	73	57	1.06	—
	Rochefort ...	29.89	67	NN	4	b	29.88	-04	64	63	0	SE	1	0	*	b	77	57	—	—
	Belfort ...		73	NNE	4	b			62	59	-2	NE	4	b	*	b	78	49	—	—
	Lyons ...	29.81	78	N	1	*	29.90	-02	67	58	+4	ESE	1	b	*	b	86	57	—	—
	Nice ...	29.87	65	WN	2	c	29.92	+03	66	62	-1	2	0	c	0	c	75	51	—	—
	Perpignan ...	29.84	73	NE	2	b	29.90	+01	73	63	-1	NN	2	b	*	b	88	50	—	—
	Biarritz ...	29.88	71	NNE	3	b	29.88	-05	67	64	+4	N	1	b	1	b	73	59	0.12	—
	Corunna ...																			
	Lisbon ...	30.17	65	W	3	b	30.09	+02	66	60	-1	NNW	4	c	*	b	70	63	—	—

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Wednesday, 14th June 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:

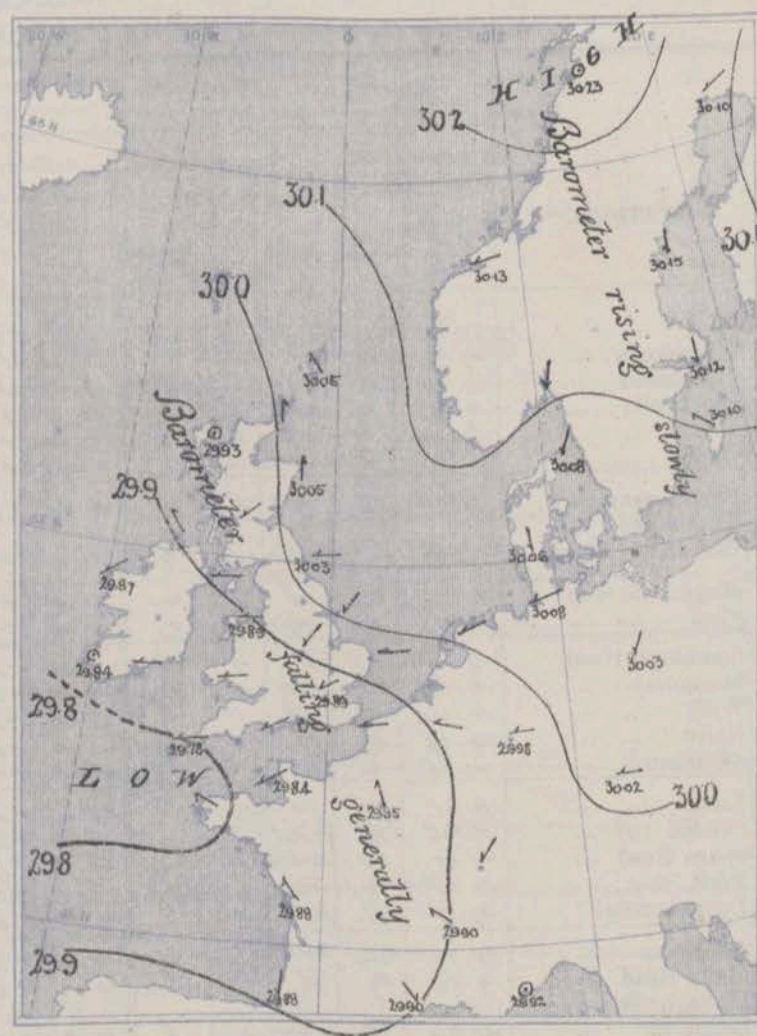
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
	ins.
Sunbury Head	29.883
Stormway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Sally	29.996
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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.

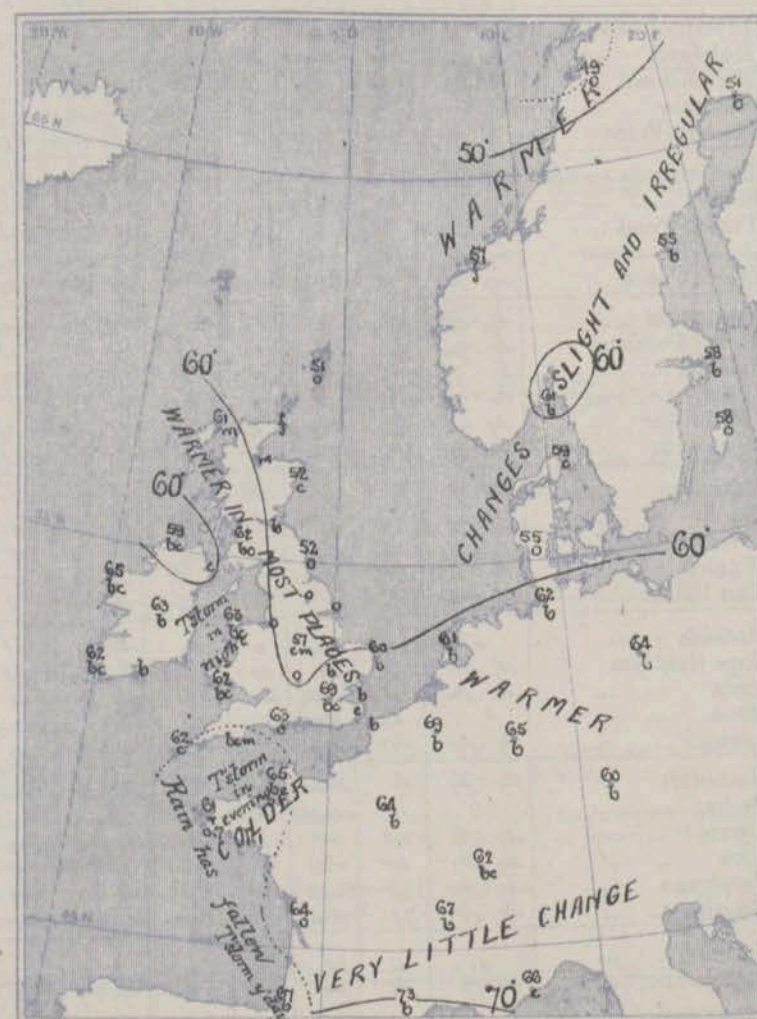
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sunbury Head	54.6	45.0	50.3	48.6	1.98
Stormway	58.0	45.0	53.3	51.1	2.85
Wick	58.0	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.0	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	60.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.0	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.0	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	49.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Sally	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	50.0	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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 more to 30.1 ins. over Scandinavia, and 30.0 ins. and more over the southern half of Spain.

Greatest, 29.8 ins. and less, over Brittany and the mouth of the Channel.

Gradients slight and irregular, and the distributions of pressure rather complex.

Barometer rising over Scandinavia — most in the north — falling slightly, and unsteadily elsewhere.

TEMPERATURE

Highest, 73° at Perpignan, 60° to 65° in most other parts of France, Germany, and the western and southern parts of our Islands.

Lowest, 49° at 3000', 51° at Lumburgh Hill, 52° at Aberdeen.

Maxima over England yesterday ranged from 70° to 81°.

WIND

Chiefly S³ in Scotland, E⁴ over Ireland and England, and generally light in force.

Chiefly SE³, light in France, WSW⁴, moderate, at Lisbon.

It blew freshly from the E⁴ at some of our southeastern stations last evening — notably in London.

WEATHER

Dull and rainy over Brittany, very foggy at Wick, fine generally elsewhere.

Rainfall has been heavy over Brittany, and thunderstorms have occurred at Biscaritz, the mouth of the Channel and Holyhead.

SEA

Very little disturbed, it has gone down decidedly in the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbances at the mouth of the Channel do not seem likely to spread further than our southwestern coasts. Although the distribution of pressure is not of a settled type, the weather appears likely to remain fine today in most places.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

SE² and S² breezes, light or moderate, fair.

Same as No. 5.

E² and Varying breezes, moderate or light; most probably fine, indications uncertain.

DISTRICTS.

FORECASTS.

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

Same as No. 0 to 2.



E² breezes, light; fine.

E² and Varying breezes; changeable, thunderstorms.

E² breezes, light; fine 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.	P.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	30.11	5	52	NW	6	bc	2	Valencia ...	29.92	64	61	NNW	2	bc	2
Sumburgh Head ...	30.09	54	55	S	1	o	2	Scilly ...	29.87	64	60	E	2	bc	2
Stornoway ...	30.01	6	65	2	0	6	2	Jersey ...	29.88	70	62	ENE	2	bc	2
Aberdeen ...	30.09	54	51	S	4	og	3	Hurst Castle ...	29.92	73	61	E	4	bc	1
Shields ...	30.09	53	52	ENE	2	o	3	Dungeness ...	29.93	64	62	E	5	bc	4
Ardrossan ...	30.01	68	62	NE	2	bc	1	North Foreland ...	29.95	64	62	E	2	bc	4
Malin Head ...	30.01	53	56	ENE	4	6	1	London ...	29.96	74	58	E	2	bc	*
Mullaghmore ...								Yarmouth ...	30.06	62	58	E	2	bc	3
Belmullet ...	29.97	70	61	SE	1	bc	*	Rocheport ...	29.81	76	64	NW	1	bc	*
Holyhead ...	29.96	70	61	ENE	2	6	1								

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

Weather fine over the greater part of our Islands and the Continent, but foggy or misty at several of our own northern and eastern stations. Dull over the northern parts of Russia and Scandinavia, as well as over Eastern Germany, Austria, and northern Italy; rainy at Bonn, Yano, and Vienna. Thunderstorms occurring later at Holyhead, Jersey, and Biarritz; heavy rain falling in the northwest of France, and small quantities in the Channel Islands and south of Devonshire.

Temperature fallen in Ireland and Scotland, risen in most other countries — quickly over the southeastern part of England. Morning readings highest 88° at Algiers and Aumale, 82° at Barcelona, and 81° at La Caille and Tunis; above 70° at the Mediterranean stations generally, and above 65° over Belgium and the inland parts of the southeast of England. Lowest 43° at Bonn, 47° at Archangel, 51° at Moscow, and Sumburgh Hd and 52° to 53° on the northeast coast of Great Britain. Rising during day to 70° and upwards at several of our western and southern stations to 75° and upwards over Central England, and to 81° at Cambridge. Reaching 82° at Paris and 88° at Perpignan.

Wind light to moderate from the Eth or NEth over Ireland, England, the Netherlands, western Germany, central France, and the greater part of Italy; Wth over Spain and the Bay of Biscay. Light from the Sth in the north and east of Scotland. Wth over the northern parts of Scandinavia and Russia, with a gale at Helsingfors. Light from the Nth or NWth over Eastern Germany, Austria, and the central and southern parts of Russia. No important change occurring during day.

Barometer highest 30.1 in: and upwards in a large anticyclone lying over Denmark, the North Sea, and the west of Norway, as well as in smaller areas lying respectively over Central Russia, and over Morocco and the extreme south of Spain. Lowest 29.8 in: and less, in a depression over Lapland, and in a small disturbance near Kharkov; 29.9 in: and less, in shallow systems lying respectively over the northwest of France and the western parts of the English Channel, and over the western part of the Mediterranean. Further shallow disturbances forming later over France; barometer falling in nearly all parts of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. 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, 15th June,

1893

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

Issued by the Meteorological Office, 53, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)											PAST 24 HOURS.			
	BAROM.		TEMP.		WIND.		BAROMETER.		SHADE TEMP.			WIND.		Sea (0 to 9).	SHADE TEMP.			Amount of Rainfall.			
	Reading at 32° F. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).	Weather.		Max.	Min.					
	Inch.	°					Inch.	°	°	°							Inch.				
SCANDINAVIA.	Haparanda ...	30.05	50	W	2	bc	29.99	- .11	54	49	+ 3	E	4	bc	#	bc	64	43			
	Hernösand ...	30.14	52	S	2	b	30.04	- .11	60	54	+ 5	N	2	b	#	b	66	45			
	Stockholm ...	30.13	56	SSW	2	b	30.09	- .03	64	55	+ 6	WNW	2	c	#	b	66	54			
	Wisby ...	30.14	52	NE	4	b	30.16	+ .06	53	49	- 5	WNW	4	b	#	b	60	50			
	Bodö ...	30.13	50	Z	0	0	30.11	- .12	47	46	- 2	SW	2	0	1	0	54	43			
	Christiansund...	30.10	59	Z	0	b	30.12	- .01	58	55	+ 1	NE	2	m	1	b	64	52			
	Skudesnaes ...	30.10	50	NW	2	f	30.11		55	53		ESE	1	f	1	b	63	46			
	Christiania Fjord (Farther)	30.06	69	Z	0	bc	30.10	.00	66	60	+ 5	SSE	2	b	1	b	70	61			
	Skagen (The Scaw)	30.08	57	Z	0	f	30.09	+ .01	63	60	+ 4	SW	3	b	1	f	73	52			
	Fanö ...	30.04	55	WNW	2	b	30.06	.00	59	57	+ 4	N	2	b	#	b	72	55			
BRITISH ISLANDS.	Sumburgh Head	30.04	51	SE	2	0	30.04	- .01	50	50	- 1	SE	1	f	3	0	54	47			
	Stornoway ...	29.88	65	S	2	b	29.90	- .03	63	62	+ 2	S	2	b	3	b	70	48			
	Wick ...	29.97	56	S	5	bc	30.00	.00	57	54	+ 2	S	2	bc	3	bc	62	50			
	Nairn ...	29.91	75	Z	0	b	29.96	- .01	64	61	+ 7	Z	0	b	1	b	75	46			
	Aberdeen ...	30.04	51	SSE	2	0	30.05	.00	57	50	0	S	3	0	3	bcq.0	57	49			
	Leith ...	29.96	56	NE	3	b	30.03	+ .02	53	52	- 6	NNE	2	om	#	b	65	50			
	Shields ...	30.00	53	ESE	3	0	30.05	+ .02	52	51	0	ESE	3	0	3	0	57	51			
	Spurn Head ...	29.94	56	E	3	b	30.02	+ .05	56	54	+ 1	NNE	3	bw	3	b	59	50			
	York ...	29.95	66	E	2	b	30.04	+ .03	57	54	+ 4	NNE	1	b	#	b	71	45			
	Loughborough	29.87	72	ENE	4	b	30.01	+ .06	60	56	+ 3	NNE	3	bcnw	#	b	78	50			
GERMANY & HOLLAND.	Ardrossan ...	29.88	73	Z	0	bc	29.98	+ .03	57	54	- 5	NE	3	bm	1	b, bc	75	50			
	Malin Head ...	29.84	64	ESE	3	b	29.92	+ .03	65	60	+ 6	SSW	2	cm	0	bc, b	65	57			
	Mullaghmore ...																				
	Belmullet ...	29.85	69	NE	1	bcm	29.93	+ .06	62	61	- 3	S	2	0	#	bc, bc	75	60			
	Donaghadee ...	29.88	67	N	3	bc	29.99	+ .06	58	56	+ 1	SE	3	b	1	bc	67	56	0.01		
	Liverpool (Bidston)	29.89	64	SE	2	b	29.98	+ .06	65	56	+ 5	ESE	1	b	1	bc	76	55	0.11		
	Holyhead ...	29.87	69	Z	0	cg	29.96	+ .07	65	59	+ 2	Z	0	cm	0	cm, b	72	57	0.01		
	Parsonstown ...	29.88	73	SE	1	c	29.98	+ .12	62	59	- 1	SW	1	c	#	bc, c	75	51			
	Valencia ...	29.86	66	WSW	1	bm	30.00	+ .16	61	60	- 1	S	2	om	2	cm, b, bm	69	60			
	Roche's Point	29.85	65	SSE	2	bc	30.03	+ .19	60	58	- 3	N	1	bc	1	bc	67	55			
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.85	65	WNW	1	bc	29.97	+ .14	61	58	- 1	NW	2	b	1	bc	66	56			
	Scilly ...	29.84	65	E	1	c	29.94	+ .21	62	60	0	WNW	2	c	1	c	68	58			
	Prawle Point ...	29.83	61	ESE	1	c	29.93	+ .12	70	64	+ 7	NW	1	bm	0	c	70	55			
	Jersey (St. Aubin's)	29.83	67	ESE	1	cg	29.95	+ .11	65	60	0	W	3	b	3	bc, cg	72	56			
	Hurst Castle ...	29.82	66	WSW	2	bc	29.92	+ .07	67	63	+ 4	ESE	2	bm	1	bc	73	55			
	Dungeness ...	29.80	64	E	4	bc	29.89	+ .05	61	59	- 3	SW	3	bc	2	bc	71	58			
	North Foreland	29.79	63	E	3	c	29.90	+ .04	60	58	- 2	NE	1	c	3	b, c, l	65	58	0.01		
	London ...	29.84	73	ESE	2	c	29.93	+ .04	68	63	- 1	E	1	bc	#	bc, ct	81	60			
	Oxford ...	29.86	64	WNW	1	bc	29.94	+ .05	63	58	+ 4	NE	1	b	#	bc, bc	78	55			
	Cambridge ...	29.86	77	ENE	4	b	29.96	+ .07	62	59	- 5	NNE	3	0	#	b	85	54			
PENINSULA.	Yarmouth ...	29.89	61	ENE	4	b	29.97	+ .04	60	57	0	NE	4	b	#	b	64	56			
	Cuxhaven ...	30.04	66	N	3	b	30.07	- .01	66	63	+ 4	ESE	2	b	#	b	69	62			
	Berlin ...	29.97	71	NE	2	b	30.01	- .02	65	57	+ 1	E	2	b	#	b	79	55			
	Wiesbaden ...						29.93	- .05	67	60	+ 2	E	1	b	#	b	79	52			
	Munich ...	29.95	61	NE	3	b	29.96	- .06	61	51	+ 1	E	2	b	#	b	73	46			
	The Helder ...	29.98	64	NE	4	b	30.01	- .02	62	57	+ 1	ESE	1	b	#	b	66	61			
	Brussels (9 a.m.)	*	*	*	*	*	29.88	- .03	75	68	+ 6	ESE	1	b	#	c	83	66			
	Cape Gris Nez	29.81	65	SE	1	r	29.86	+ .02	59	57	- 10	SW	1	c	1	r	73	57	0.32		
	Paris ...	29.81	69	S	2	0	29.93	+ .08	61	60	- 3	Z	0	0	#	0	85	58	0.28		
	Brest ...		67	W	1	c	?	?	58	58	- 3	N	2	0	2	c	70	64	0.28		
GERMANY & HOLLAND.	Lorient ...	29.82	65	S	3	c	29.96	+ .14	56	55	- 5	N	3	m	2	c	66	55	0.55		
	Rochefort ...	29.86	65	WSW	4	bc	29.90	+ .02	64	62	0	W	4	c	#	0, bc	73	61	0.24		
	Belfort ...	?	71	W	4	c	?	?	61	57	- 1	WNW	3	c	#	c	84	52			
	Lyons ...	29.85	70	ENE	1	0	29.98	+ .08	60	56	- 7	NW	1	r	#	0	84	57	0.08		
	Nice ...	29.89	65	SE	2	c	29.89	- .03	59	55	- 7	ENE	1	c	#	c	75	54	0.24		
	Perpignan ...	29.78	67	NE	3	b	30.02	+ .12	68	61	- 5	NW	3	bc	#	tr	76	58	2.60		
	Biarritz ...	29.94	69	WNW	1	bc	30.04	+ .16	64	60	- 3	W	6	r	#	bc, tr	73	61	0.20		
	Corunna ...																				
	Lisbon ...	30.15	64	NW	5	b	30.17	+ .08	67	60	+ 1	WNW	4	b	#	b	73	59	-		

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Thursday, 15th June, 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

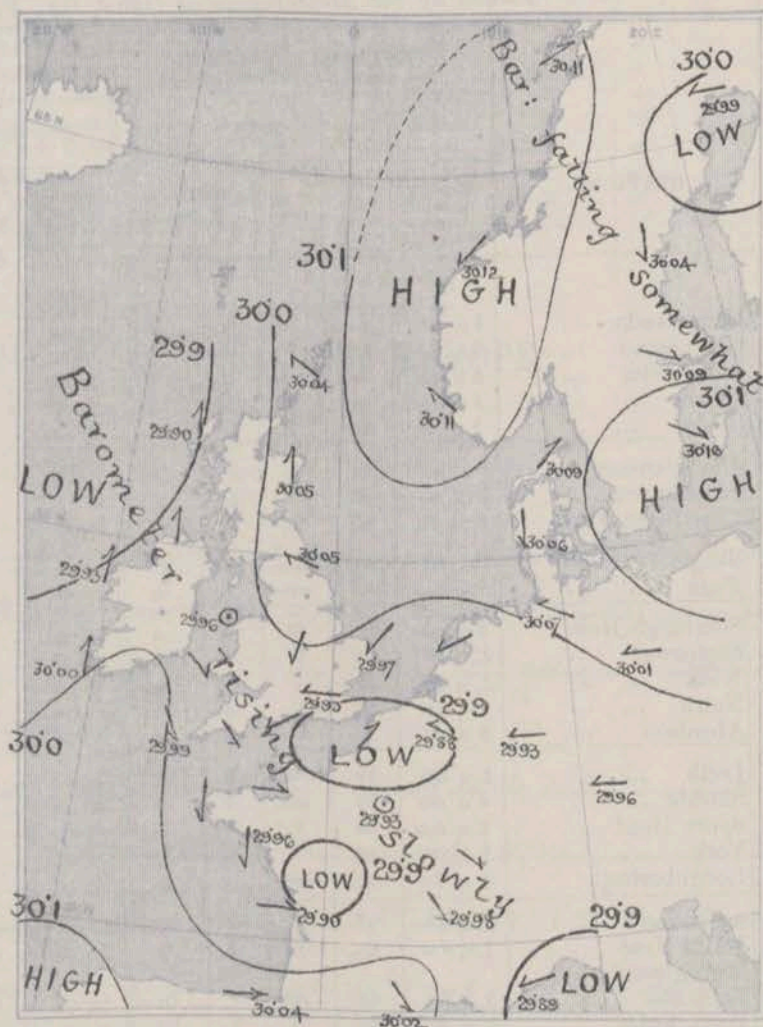
at 8 a.m. for the month of June.

During the 20 Years 1871–1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.874
Wick	29.898
Nairn	29.904
Aberdeen	29.910
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.960
Loughborough	29.980
Ardsman	29.933
Mullaghmore	29.930
Donaghadee	29.940
Wexford	29.900
Liverpool	29.900
Pasadenstown	29.972
Valencia	29.973
Roche's Point	29.973
Pembroke	29.974
Scilly	29.906
Brace Point	29.987
Jersey	29.910
Hurst Castle	29.998
Bower	29.982
LONDON	29.902
Oxford	29.986
Cambridge	29.985
Vermouth	29.977



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.

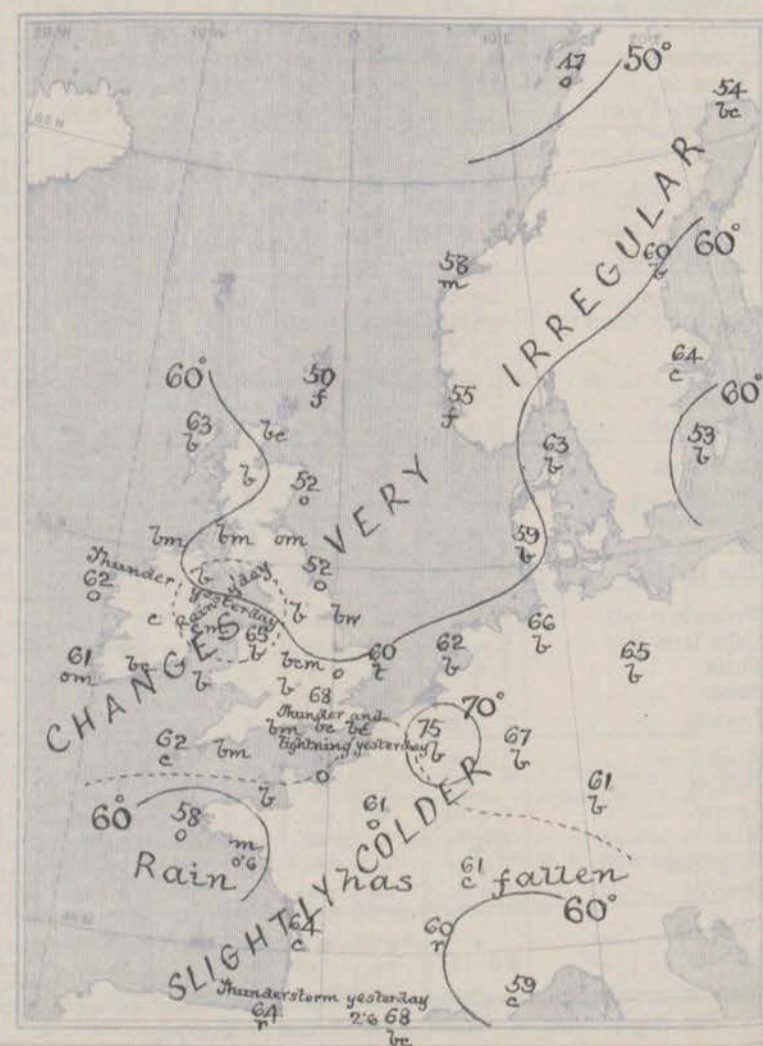
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of June.)

STATIONS.	TEMPERATURE				RAINFALL (inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 4 p.m.	
Sumburgh Head	54.6	45.0	50.3	48.0	1.08
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.0	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.0	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	53.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.0	2.22
Ardsman	62.0	49.5	55.1	52.1	2.40
Mullaghmore	61.1	51.4	54.0	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Wexford	61.6	51.5	55.7	53.2	1.08
Liverpool	63.8	50.9	56.7	53.7	1.80
Pasadenstown	61.5	48.5	56.0	52.6	2.30
Valencia	62.2	51.1	57.2	54.3	3.37
Roche's Point	64.5	51.1	56.8	53.0	1.13
Pembroke	60.3	51.3	55.2	53.1	1.04
Scilly	61.3	53.0	57.3	55.2	1.84
Brace Point	61.3	50.3	56.0	54.0	1.00
Jersey	64.6	52.5	58.0	55.8	1.01
Hurst Castle	64.2	51.0	57.7	55.5	1.02
Bower	63.0	52.5	58.2	54.9	1.09
LONDON	60.1	50.6	58.0	54.0	2.14
Oxford	68.9	49.5	56.8	55.3	2.21
Cambridge	68.0	48.5	58.1	54.7	2.23
Vermouth	62.0	53.1	56.0	54.0	1.88

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 (1) over Spain, (2) over Norway, (3) over the Baltic.
 Lowest, 29.9 ins. and less, (1) off our extreme northwest coasts, (2) over several parts of France and the southeast of our Islands, 30.0 ins. and less over Ireland and the Gulf of Bothnia.
 Tendency slight and very irregular.
 Barometer rising a little except in Sweden and northern Europe.

TEMPERATURE

Highest, 75° at Brussels, 70° at Chateaufort, 68° at Perpignan and in London, 67° at Wiesbaden, 64° at Ham and Stockholm.
 Lowest, 47° at Brest, 50° at Lumburgh H., 52° at Aberdeen and Shields, 53° at Leith.
 The maxima recorded yesterday exceeded 80° at Lyons, Brest, Brussels, Cambridge and in London, and exceeded 70° in many other parts of our Islands and the neighbouring countries.

WIND

Light to moderate in force generally, and extremely variable in direction; mainly NE^{ly} to NW^{ly} over England, S^{ly} in Ireland and Scotland; W^{ly} in the north of France.
 It blew strongly from the E^{ast} at Yarmouth during the night.

WEATHER

Clear and bright in many places, cloudy or overcast in many others, with rain in the south of France, thunder at Yarmouth.
 Thunder and lightning occurred in many parts of Ireland, England and France yesterday. Rainfall, however, was very slight over the British Islands, considerable and general over France, very heavy at Perpignan.

SEA

Very little disturbed anywhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The irregular distribution of pressure is favourable for the development of further thunderstorms in many places.

FORECASTS

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

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | } S ^{ly} breezes, light; fine, warm. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | E ^{ly} and NE ^{ly} breezes, moderate; fair to unsettled. |
| 3 | ENGLAND EAST | Same as No. 5. |
| 4 | MIDLAND COUNTIES | Same as No. 2. |
| 5 | ENGLAND SOUTH | Varying breezes; fine and hot, then thundery and showery. |

DISTRICTS.

FORECASTS.

- | | | |
|----------|---------------|---|
| 6 | SCOTLAND WEST | } Same as Nos 0 and 1. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | Variable E ^{ly} airs; fine, warm. |
| 9 | IRELAND NORTH | } NW ^{ly} and Variable airs; fair generally. |
| 10 | IRELAND SOUTH | |
| WARNINGS | | None issued. |

Note.—For 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 ...	30.08	62	56	NW	4	b	2	Valencia ...	29.84	66	63	W	2	cm	2
Sumburgh Head ...	30.04	57	53	SE	2	o	3	Scilly ...	29.80	64	61	E	4	c.	1
Stornoway ...	29.89	66	65	S	2	bc	2	Jersey ...	29.83	70	60	SE	2	bc	2
Aberdeen ...	30.04	57	53	SSE	4	bcy	3	Hurst Castle ...	29.82	70	66	SW	2	b	1
Shields ...	30.02	55	53	E	3	o	2	Dungeness ...	29.79	67	63	E	4	b	3
Ardrossan ...	29.90	69	66	NE	2	b	1	North Foreland ...	29.87	65	60	E	3	b	3
Malin Head ...	29.87	60	55	ESE	4	bc	1	London (Westminster) ...	29.83	77	59	E	2	b	3
Mullaghmore ...	29.87							Yarmouth ...	29.93	64	60	ESE	2	b	3
Belmullet ...	29.83	75	64	W	1	b	2	Rochefort ...	29.87	70	65	WSW	4	o	2
Holyhead ...	29.87	64	59	E	2	cym	2								

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

Weather in morning fine and bright at almost all stations excepting those in Brittany and some parts of England, where it was overcast; rain falling at Lorient and Brest, fog prevalent at Wick. Heavy rain at Perpignan later, and considerable quantities at other French stations, slight showers at the North Foreland and on our northwest coasts, thunder and lightning in many places.

Temperature risen over Central Europe. Morning readings highest 82° at Sofia, 81° at Tunis, and 65° to 75° over the Mediterranean as a whole; exceeding 60° over western and central Europe. Lowest 47° at Archangel, 49° at Bodo, 51° at Lumburg, 52° at Aberdeen and Shields, 54° at St. Petersburg. Rising later to between 80° and 85° in several parts of England and France, to 75° at Lorient, and to 70° at Lander.

Wind light to moderate in force; — N³ over Finland and Sweden, NE³ over North Germany, the Netherlands and England, E³ in the Channel, but W¹ to NW¹ over the Spanish Peninsula, NN¹ over Italy. Becoming W³ in the southwest of France later.

Barometer highest 30.2 in. and more to 30.0 in. in a large anticyclone of irregular form, spreading from Iceland over Scandinavia, the North Sea and the Baltic to Germany; 30.1 in. to 30.0 in. over Algeria and the southern half of Spain. Lowest, 29.8 in. and less, at the mouth of the English Channel and also over the north of Russia. Shallow local depressions over several parts of France. Disturbances over France increasing later, and moving northwards towards England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 FRIDAY 16th JUNE.

1893

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

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 Direc.	Force (0 to 12).	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).			Weather.	Max.		Min.	
Inch.	°				Inch.	°	°	°									inch.		
SCANDINAVIA.																			
Haparanda ...	29.98	56	2	0	bc	30.12	+13	58	44	-4	NNE	4	bc	*	bc	64	45	—	
Hernösand ...	29.97	57	2	0	bc	30.05	+01	61	55	+1	N	2	bc	*	bc	72	43	—	
Stockholm ...	29.82	61	W	2	bc	30.03	-06	67	50	+3	NNW	2	bc	*	bc	75	44	0.32	
Wisby ...	29.84	55	SW	4	bc	30.07	-09	59	56	+6	W	4	bc	*	bc	66	43	—	
Redö ...	29.16	46	NNW	1	0	30.15	+04	48	45	+1	2	0	bc	0	bc	43	43	0.04	
Christiansund...	29.13	61	NNE	2	m	30.12	0.0	54	52	-4	NNW	4	f	2	m	66	52	—	
Skudesnaes ...	29.10	50	NNW	4	f	30.14	+06	50	50	-5	NN	2	f	2	bc	53	46	—	
Christiania Fjord (Færdier)	29.06	65	SW	5	f	30.10	0.0	64	60	-2	NNW	2	f	2	bc	66	61	—	
Skagen (The Seaw)	29.10	58	NNW	1	f	30.14	+05	58	56	-5	NNW	2	bc	1	f	2	52	—	
Fanö ...	29.09	65	NNE	2	bc	30.16	+10	62	60	+4	W	2	bc	*	f	81	54	—	
BRITISH ISLANDS.																			
Sumburgh Head	29.04	52	SE	2	0	29.98	-06	57	56	+7	2	0	bc	3	0	5	44	—	
Stornoway ...	29.98	67	NNW	6	bc	29.94	+04	62	62	-1	NNW	6	bc	5	0	70	53	—	
Wick ...	29.04	60	2	2	bc	29.97	-03	70	67	+13	W	2	bc	1	0	70	52	—	
Nairn ...	29.77	74	2	0	bc	30.00	+04	69	65	+5	SW	1	bc	1	bc	74	53	0.04	
Aberdeen ...	29.05	56	SW	3	bc	30.06	+01	70	61	+18	SW	2	bc	2	bc	70	50	—	
Leith ...	29.03	57	2	0	c	30.09	+06	62	57	+9	2	0	bc	*	c	63	51	—	
Shields ...	29.08	56	ESE	3	bc	30.13	+08	68	58	+16	SW	2	bc	2	bc	68	51	—	
Spurn Head ...	29.00	56	NNE	3	bc	30.16	+14	58	57	+3	NNNE	2	bc	3	bc	53	50	—	
York ...	29.09	67	E	1	bc	30.17	+13	64	56	+7	SE	1	bc	*	bc	70	50	—	
Loughborough	29.05	72	ENE	2	bc	30.18	+17	63	57	+5	NN	1	bc	*	bc	77	49	—	
ANDROSSAN.																			
Androssan ...	29.01	70	2	0	bc	30.09	+11	62	60	+5	SE	1	om	1	bc	75	53	—	
Malin Head ...	29.99	63	E	1	om	30.05	+13	62	60	-3	2	4	om	2	c, om	68	60	—	
Mullaghmore ...	29.99	64	SW	2	0	30.07	+14	63	63	+1	SW	2	0	*	om	67	60	0.01	
Behnullet ...	29.01	64	SW	2	bc	30.12	+13	70	66	+12	NNW	2	bc	1	om	70	58	—	
Donaghadee ...	29.01	64	SW	2	bc	30.12	+13	70	66	+12	NNW	2	bc	1	om	70	58	—	
BRITISH ISLANDS.																			
Liverpool (Bldston)	29.03	64	ESE	1	0	30.15	+17	70	61	+5	2	0	bc	0	0	70	49	0.07	
Holyhead ...	29.05	65	2	0	bc	30.15	+19	62	60	-2	SW	2	bc	2	bc	70	53	—	
Parsonstown ...	29.02	70	2	0	c	30.14	+16	64	61	+2	SW	2	0	*	bc	70	53	—	
Valencia ...	29.08	62	SW	2	om	30.20	+20	62	61	+1	SW	2	om	2	om	65	59	0.01	
Roche's Point	29.08	65	NNW	2	c	30.18	+15	65	60	+5	N	1	bc	1	bc	69	60	—	
Pembroke (St. Ann's Hd.)	29.06	62	NN	4	bc	30.18	+21	58	57	-2	NNW	2	bc	3	bc	63	58	—	
Scilly ...	29.10	63	NN	2	bc	30.20	+21	62	61	0	W	1	bc	3	bc	68	58	—	
Prawle Point ...	29.02	71	NNW	2	bc	30.12	+19	70	63	0	NNW	1	bc	0	bc	75	53	—	
Jersey (St. Aubin's)	29.03	66	NNW	2	bc	30.14	+19	65	60	0	NN	3	bc	3	bc	70	53	—	
Hurst Castle ...	29.98	69	SW	2	bc	30.13	+21	70	65	+5	NNE	1	bc	0	bc	74	53	—	
Dungeness ...	29.98	66	2	0	bc	30.08	+19	67	61	+4	NNE	4	bc	3	bc	70	53	—	
North Foreland	29.97	60	N	2	bc	30.07	+18	57	56	-3	N	3	bc	3	bc	63	53	—	
London ...	29.01	23	SE	1	0	30.15	+22	68	60	0	2	0	bc	*	bc	67	56	—	
Oxford ...	29.04	68	E	1	bc	30.16	+22	63	59	0	NNE	1	bc	*	bc	67	56	0.04	
Cambridge ...	29.02	76	NNNE	4	bc	30.17	+21	59	56	-3	NNW	4	bc	*	bc	65	49	—	
Yarmouth ...	29.03	61	N	2	bc	30.13	+16	61	59	+1	NNE	2	bc	3	bc	62	53	—	
GERMANY & HOLLAND.																			
Cuxhaven ...	29.10	65	ESE	2	bc	30.20	+13	66	63	0	E	1	bc	*	bc	72	65	—	
Berlin ...	29.02	70	NNE	4	bc	30.08	+09	60	55	-5	NNE	1	bc	*	bc	82	52	—	
Wiesbaden ...	29.04	67	NNE	3	bc	30.08	+11	70	60	+5	NNE	1	bc	*	bc	82	57	—	
Munich ...	29.07	67	NNE	3	bc	30.08	+12	62	58	+1	NNE	4	bc	*	bc	75	48	—	
The Helder ...	29.06	67	ENE	1	bc	30.16	+15	65	61	+3	ENE	1	bc	*	bc	70	62	—	
FRANCE AND BELGIUM.																			
Brussels (9 a.m.)	29.06	60	ESE	1	m	30.05	+18	72	62	-3	NNE	2	bc	1	0	87	58	—	
Cape Gris Nez	29.06	60	ESE	1	m	30.05	+18	72	62	-3	NNE	2	bc	1	0	87	58	—	
Paris ...	29.07	73	NNNE	2	bc	30.07	+14	65	58	+4	NNW	2	bc	1	m	68	54	—	
Brest ...	29.07	67	N	2	m	30.07	+14	65	58	+4	N	2	bc	2	m	77	53	—	
Lorient ...	29.07	67	NN	5	c	30.16	+20	59	57	+3	NN	4	bc	2	c	70	44	—	
FRANCE AND BELGIUM.																			
Rocheport ...	29.01	65	NN	5	0	30.08	+18	62	60	-2	NNE	4	bc	1	0	70	53	—	
Belfort ...	29.01	71	N	3	0	30.08	+18	64	58	+3	W	1	bc	*	0	70	52	—	
Lyons ...	29.08	66	W	1	0	30.03	+20	60	59	0	NN	2	bc	*	0	71	57	0.16	
Nice ...	29.07	66	SE	2	bc	30.01	+22	66	61	+9	NNE	1	bc	1	bc	72	53	—	
Perpignan ...	29.03	70	NN	3	0	30.05	+23	68	64	0	NN	4	bc	*	0	78	61	—	
Biarritz ...	29.11	65	W	6	7	30.15	+11	64	60	0	NN	5	bc	*	0	65	61	0.67	
PENINSULA.																			
Corunna ...	29.12	64	NNW	5	bc	30.03	-14	72	62	+5	N	4	bc	*	bc	75	63	—	
Lisbon ...	29.12	64	NNW	5	bc	30.03	-14	72	62	+5	N	4	bc	*	bc	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, 16th June 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:

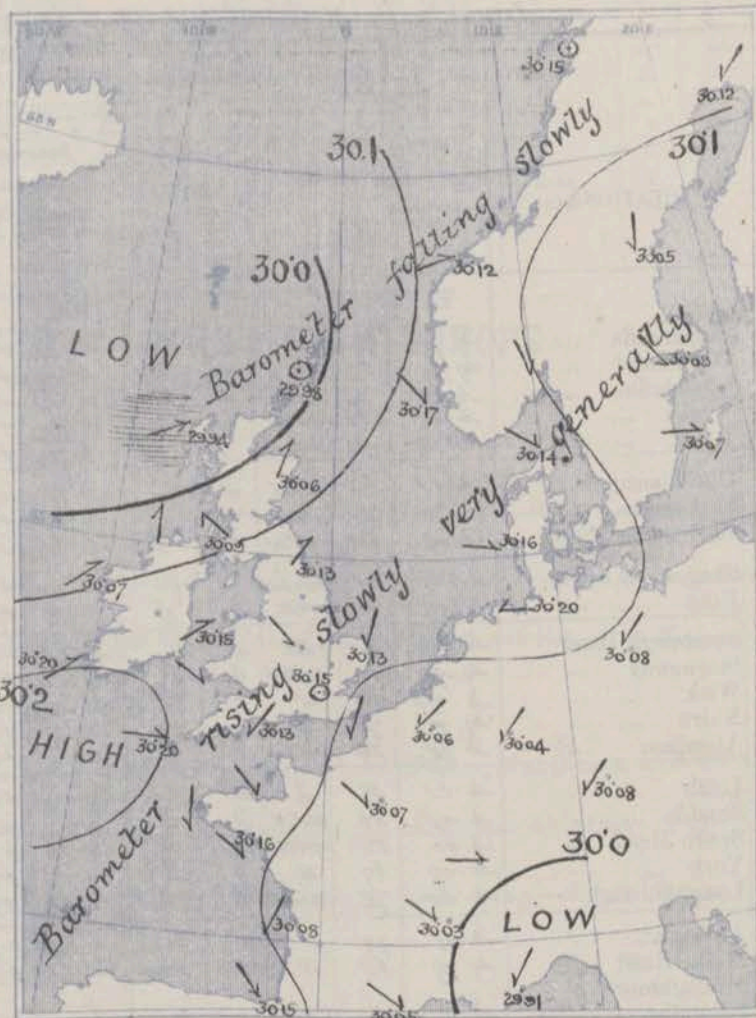
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stormoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donaghadee	29.940
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Rosco's Point	29.973
Pembroke	29.974
Sally	29.986
Prawle Point	29.997
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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.

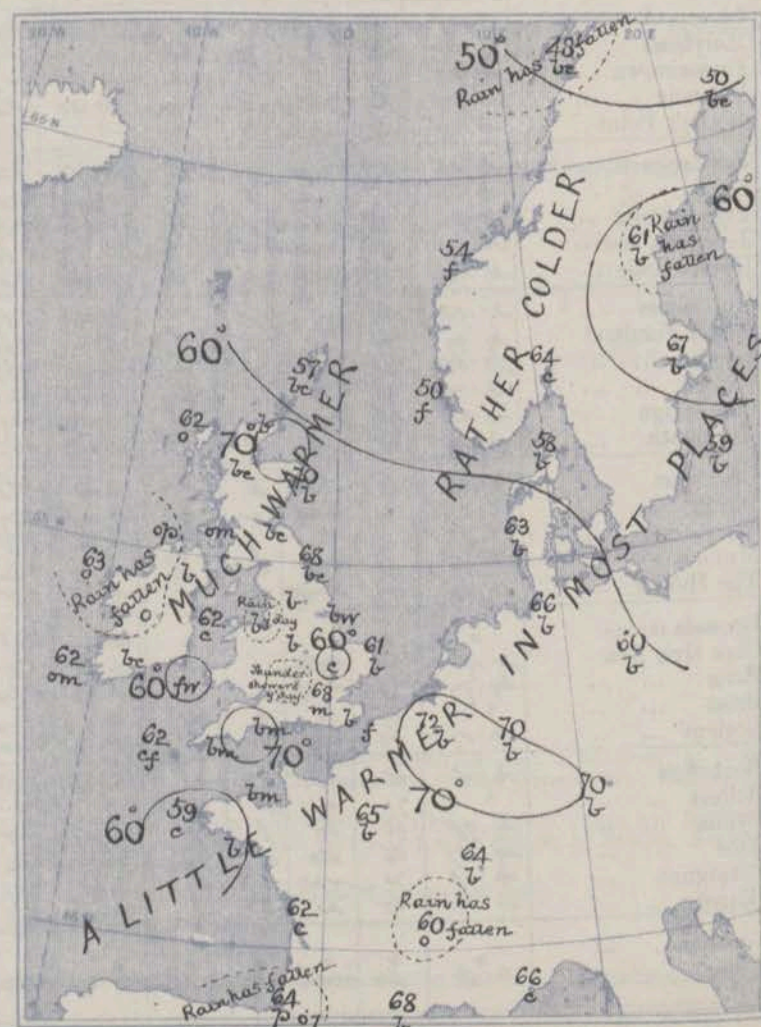
WEATHER—is shown by letters of the Beaufort Scale.

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 June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	54.6	45.0	50.3	48.6	1.98
Stormoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.89
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.25
Rosco's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Sally	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	56.6	58.9	54.6	2.11
Oxford	60.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. and more both off our southeast coast and over North Germany, and 30.1 in. over the Bay of Biscay, the North Sea, and the English Channel. The lowest, 30.0 in. and less, over the north of Scotland, the Shetlands, and neighbouring parts of Atlantic, also over the Gulf of Finland, and the River and the Gulf of Genoa.

Gradients very slight and irregular.

Barometer rising except in the extreme north, where it is falling slightly.

TEMPERATURE

Highest, 72° at Lisbon, 70° at Haula Point and Hurst Castle, 69° at Brixia and in London; 69° to 70° in the east of Scotland also.

Lowest, 48° at Bodo, 50° at Haparanda and Skudenes.

It has risen rapidly on our northeast coast, since yesterday.

The maxima recorded yesterday were as high as 78° to 85° over the inland parts of England, but did not touch 80° at the French stations.

WIND

SW¹ in Ireland, Scotland and Norway; mainly N¹ over England, NW¹ in France; it is strong in the Minch, light or moderate elsewhere.

WEATHER

Dull in the extreme northwest and north, showery at Malin Head, foggy in the west of Norway, foggy or heavy at the Channel stations. Thunder showers occurred at Oxford yesterday, and slight showers at a few of the Irish stations.

Considerable rainfall was measured at Brixia and Stockholm.

SEA

Rather rough in the Minch, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No important change is indicated at present.

FORECASTS

For the 24 hours ending at NOON on 17th JUNE, 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | SW ¹ winds, light to moderate; slight showers. |
| 1 | SCOTLAND EAST | Varying airs; fine, warm. |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | Same as No. 5 |
| 4 | MIDLAND COUNTIES | Same as Nos. 1 and 2. |
| 5 | ENGLAND SOUTH | NE ¹ and N ¹ breezes, light; fine, very warm days, cool at night. |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | SW ¹ breezes, light; fair, warm. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | N ¹ and NE ¹ airs; fine weather, hazy. |
| 9 | IRELAND NORTH | S ¹ and SW ¹ airs, varying; fine. |
| 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 ...	30.13	53	54	NW	4	b	2	Valencia ...	30.06	63	62	S	2	mg	3
Samburgh Head ...	30.05	53	52	SE	2	b	3	Scilly ...	30.07	66	62	NW	3	c	1
Stornoway ...	29.93	70	68	SW	6	b	5	Jersey ...	30.01	67	61	NNW	2	b	0
Aberdeen ...	30.06	57	53	SE	4	b	4	Hurst Castle ...	29.97	67	64	SW	3	bm	1
Shields ...	30.08	56	54	SE	3	b	3	Dungeness ...	29.97	67	64	SW	1	c	1
Ardrossan ...	30.00	74	65	2	0	bm	0	North Foreland ...	29.96	62	59	NNE	1	bc	3
Malin Head ...	29.97	65	60	NW	2	c	0	London ...	29.97	73	63	E	3	bc	*
Mullaghmore ...								Yarmouth ...	30.03	61	58	NE	4	b	3
Belmullet ...	29.98	63	63	SW	2	mg	*	Rocheport ...	29.95	69	66	NW	4	o.	*
Holyhead ...	?	67	60	?	1	b	1								

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

Weather fine and bright in most parts of the United Kingdom as well as over northern and central Europe, Spain, southern Italy, and Algeria. Very cloudy over the greater part of France and northern Italy, with rain at Lyons, Biarritz, and Turin. Dull over southeastern Europe, with rain at Moscow and Hermannstadt. Light rain falling during day at one or two of our western and northern stations, and thunder showers at Oxford. Large quantities of rain occurring over the southern parts of France.

Temperatures risen over the northern parts of our Islands and the Continent, as well as in Italy, fallen in most other localities. Morning readings highest 81° at Algiers, La Calle, and Ifre, 80° at Tunis, and 79° at Oran; above 70° over the Mediterranean generally, and above 65° over the south of England and many parts of Central Europe. Lowest (1) 43° at Archangel, 47° at Rode, 50° at St. Petersburg, and 53° at Uleaborg; (2) 50° at Lumburgh Ht. and 52° at Aberdeen and Shields. Rising during day to 70° or more over the greater part of our Islands and thence to between 80° and 85° over the southeastern counties of England, and to 87° at Brussels.

Wind light from the Snd over the greater part of Ireland and Scotland; NE^{ly} over the eastern parts of England, N^{ly} or NW^{ly} over our southwestern counties and the northwest of France, W^{ly} in the southwest of France. Variable over Scandinavia and northern Russia, N^{ly} over Central Russia, NE^{ly} or E^{ly} in Germany. Variable in Austria, chiefly SW^{ly} in Italy. Subsequently veering to the SW^{ly} in Ireland and Scotland, and becoming rather variable in the southeast of England; no decided change occurring elsewhere.

Barometer highest 30.1 in: and upwards in three separate areas, — one lying over Norway, another over the Baltic and the south of Sweden, and the third over the western parts of the Spanish Peninsula. Lowest 29.8 in: and less, over the Black Sea, and the southern part of Russia, 29.9 in: and less, in a large depression lying to the northward of our Islands, and also in three smaller systems lying (1) over the southeast of England and the northeast of France, (2) near Rocheport, and (3) over the Gulf of Genoa and its immediate neighbourhood. Depression off our northwest coast subsequently moving northwards, other systems beginning to disperse gradually.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 17th June,

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 3).		Weather.	Max.	Min.	Amount of Rainfall.
	Inch.	°				Inch.		°	°										Inch.
SCANDINAVIA.	Haparanda ...	30.06	57	Z	0	bc	30.00	-12	54	49	+4	SSW	2	0	+	bc	66	48	-
	Hernösand ...	30.18	53	Z	0	bc	29.97	-0.08	53	50	-8	NE	2	0	+	bc	66	46	-
	Stockholm ...	30.11	63	E	2	b	30.02	-0.01	66	57	-1	SW	2	0	+	b	73	55	-
	Wisby ...	30.12	60	SE	4	b	30.12	+0.05	62	57	+3	WSW	4	0	+	b	70	52	-
	Bodo ...	29.99	55	Z	0	bc	29.76	-0.39	67	46	-1	SW	7	+	+	bc	55	45	0.55
	Christiansund ...	30.01	56	ESE	2	f	30.11	-0.01	54	53	0	WSW	6	5	3	f	56	52	0.51
	Skadesnaes ...	30.19	54	SE	1	c	30.22	+0.05	57	58	+7	WNW	1	5	2	f, c	57	52	-
	Christiania Fjord (Fjord)	30.10	59	SSW	6	m	30.08	-0.02	62	60	-2	SSW	4	5	2	m	64	57	-
	Skagen (The Sea)	30.15	64	W	2	m	30.13	-0.01	64	59	+6	WNW	5	5	2	m	66	52	-
	Faro ...	30.22	58	N	1	b	30.29	+0.13	60	55	-3	WNW	2	5	2	b	73	52	-
BRITISH ISLANDS.	Sumburgh Head	30.00	63	W	4	c	30.21	+0.23	56	55	-1	W	1	5	3	b, c	67	50	-
	Sornoway ...	30.02	61	SW	4	r	30.24	+0.30	62	60	0	Z	0	5	3	b, r	66	50	0.02
	Wick ...	30.09	70	W	3	0	30.31	+0.34	64	60	-6	SE	1	5	0	0	76	52	-
	Nairn ...	30.07	73	SW	2	c	30.27	+0.27	66	62	-3	WSW	1	5	0	c	77	55	-
	Aberdeen ...	30.09	73	WSW	2	bc	30.29	+0.23	63	59	-7	ESE	2	5	1	c, bc	77	56	-
	Leith ...	30.15	70	W	3	c	30.30	+0.21	69	62	+7	WNW	2	5	1	c	80	62	-
	Shields ...	30.15	66	S	1	c	30.31	+0.18	71	63	+3	WNW	2	5	2	b, c, f	73	51	-
	Spurn Head ...	30.17	56	ESE	2	bc	30.30	+0.14	59	58	0	N	1	5	2	bc	61	54	-
	York ...	30.17	74	E	2	b	30.32	+0.15	67	62	+3	N	1	5	2	b	82	53	-
	Loughborough	30.16	80	ESE	1	c	30.33	+0.15	66	61	+3	NW	1	5	2	c	84	54	-
GERMANY & HOLLAND.	Ardrossan ...	30.16	68	S	1	b	30.32	+0.23	67	63	+5	NW	1	5	1	b, c	68	59	-
	Malin Head ...	30.15	61	W	3	0	30.33	+0.18	60	60	-2	W	2	5	2	0	68	59	-
	Mullaghmore ...																		
	Behaulet ...	30.20	63	SW	2	om	30.36	+0.29	68	62	0	SW	1	5	1	om	65	60	0.01
	Donaghadee ...	30.19	70	SSW	2	c	30.35	+0.23	61	60	-9	N	3	5	1	c	74	58	-
	Liverpool (Bidston)	30.20	71	NW	1	b	30.33	+0.18	70	64	0	WNW	1	5	1	b	73	59	-
	Holyhead ...	30.21	67	W	1	b	30.35	+0.20	62	60	0	WNW	1	5	1	b	71	57	-
	Parsonstown ...	30.21	68	SW	1	0	30.35	+0.21	65	63	+1	Z	0	5	1	0	70	60	-
	Valencia ...	30.28	63	WSW	3	om	30.37	+0.17	63	62	+1	W	1	5	1	om	65	60	-
	Roche's Point	30.23	69	SW	1	bc	30.35	+0.17	66	63	+1	NW	1	5	1	bc	70	61	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's H.L.)	30.23	63	NW	2	b	30.30	+0.12	72	65	+13	NE	2	5	1	b	72	58	-
	Scilly ...	30.25	63	WNW	3	c	30.28	+0.08	62	61	0	N	4	5	4	c	66	60	-
	Prawle Point ...	30.20	75	WNW	1	bc	30.27	+0.15	70	64	0	NE	3	5	2	bc	75	61	-
	Jersey (St. Aubin's)	30.17	70	NW	3	bm	30.26	+0.12	73	64	+8	Z	0	5	0	bm	75	59	-
	Hurst Castle ...	30.15	74	W	3	b	30.28	+0.15	70	65	0	NE	1	5	0	bm	78	60	-
	Dungeness ...	30.13	67	E	1	b	30.26	+0.18	68	64	+3	NE	3	5	1	bm	69	53	-
	North Foreland	30.13	63	N	2	b	30.27	+0.18	63	60	+6	N	1	5	2	b	63	55	-
	London ...	30.14	80	NNE	1	b	30.32	+0.17	75	64	+7	NE	1	5	1	b, bm	85	57	-
	Oxford ...	30.17	73	NE	1	b	30.31	+0.15	70	62	+7	Z	0	5	1	b	85	56	-
	Cambridge ...	30.16	81	WNW	2	b	30.31	+0.14	69	61	+10	ESE	1	5	1	b	85	52	-
PENINSULA.	Yarmouth ...	30.18	66	NE	2	b	30.30	+0.17	62	59	+1	NE	1	5	2	b	66	56	-
	Cuxhaven ...	30.22	68	N	2	b	30.34	+0.14	67	64	+1	ESE	1	5	1	b	71	66	-
	Berlin ...	30.13	73	NE	4	b	30.27	+0.19	68	59	+8	Z	0	5	1	b	81	60	-
	Wiesbaden ...						30.24	+0.20	69	60	-1	NE	2	5	1	b	81	61	0.08
	Munich ...	30.11	62	E	1	bc	30.20	+0.12	62	57	0	NE	4	5	1	bc	75	48	0.04
	The Helder ...																		
	Brussels (9 a.m.)	#	#	#	#	#	30.26	+0.20	68	59	-4	NNE	2	5	1	b	84	57	-
	Cape Gris Nez	30.09	61	E	2	m	30.23	+0.18	62	60	?	NE	2	5	1	m	64	57	-
	Paris ...	30.08	79	N	2	b	30.21	+0.14	68	60	+3	NNE	2	5	1	b	84	59	-
	Brest ...	?	65	N	2	c	?	?	61	59	+2	NNE	2	5	1	c	66	54	-
FRANCE AND BELGIUM.	Lorient ...	30.15	72	N	4	b	30.21	+0.05	62	60	+3	NE	1	5	2	b	77	59	-
	Rocheport ...	30.06	67	WNW	5	m	30.12	+0.04	65	63	+3	ESE	4	5	1	b, m	70	61	-
	Belfort ...	?	71	E	3	c	?	?	70	57	+6	E	5	5	1	c	64	51	-
	Lyons ...	29.97	72	WNW	2	0	30.12	+0.09	68	69	+8	N	1	5	1	0	79	57	-
	Nice ...	29.96	65	Z	0	0	30.08	+0.17	68	63	+2	ESE	1	5	0	c	73	59	0.16
	Perpignan ...	30.03	72	NW	4	bc	30.14	+0.09	70	62	+2	NW	3	5	1	bc	74	63	-
	Biarritz ...	30.15	65	WNW	4	0	30.17	+0.02	63	61	-1	Z	0	5	2	0	68	52	0.35
	Corunna ...																		
	Lisbon ...	29.90	75	N	5	b	29.90	-0.13	71	63	-1	NE	4	5	1	b	88	66	-

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 17th June, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

→ forces above 10; → forces 5 to 10;
→ forces 3 to 5; → forces 1 to 3;
→ dead calm.

SEA DISTURBANCE—Where considerable, is shown thus—

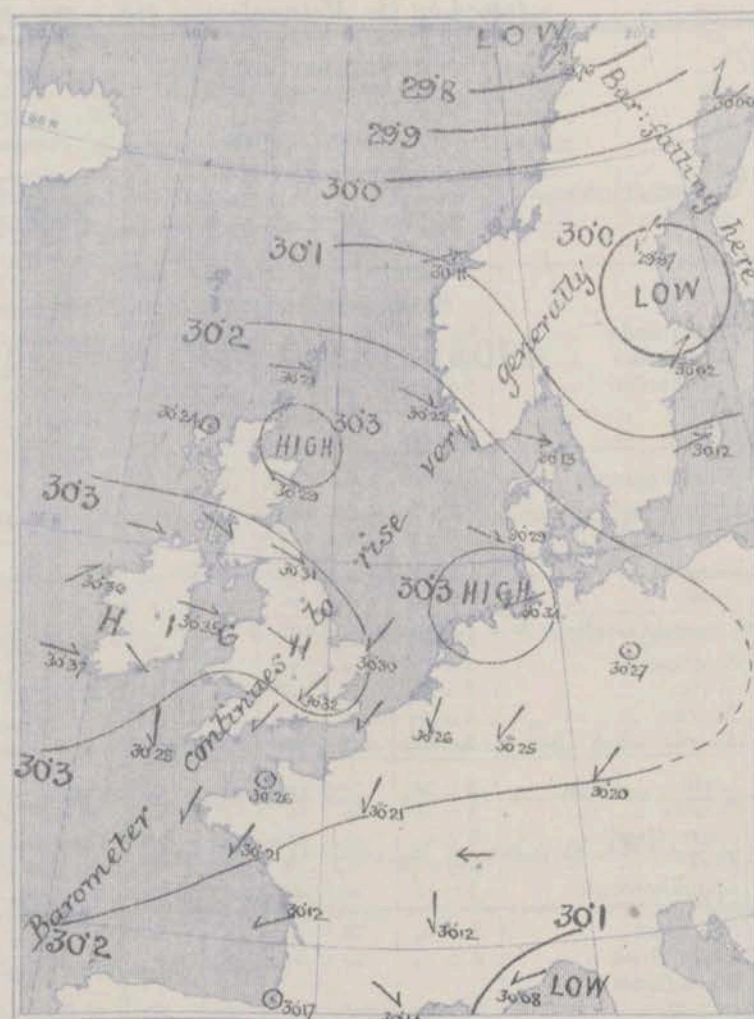
☐ = Rough. ☐ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sandburgh Head	29.883
Stormoway	29.878
Wick	29.898
Nairn	29.904
Aberdeen	29.910
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Arbroath	29.982
Mullaghmore	29.986
Dungannon	29.986
Holyhead	29.986
Liverpool	29.986
Parsonstown	29.973
Valencia	29.975
Boche's Point	29.973
Pembroke	29.974
Selly	29.996
Pravle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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.

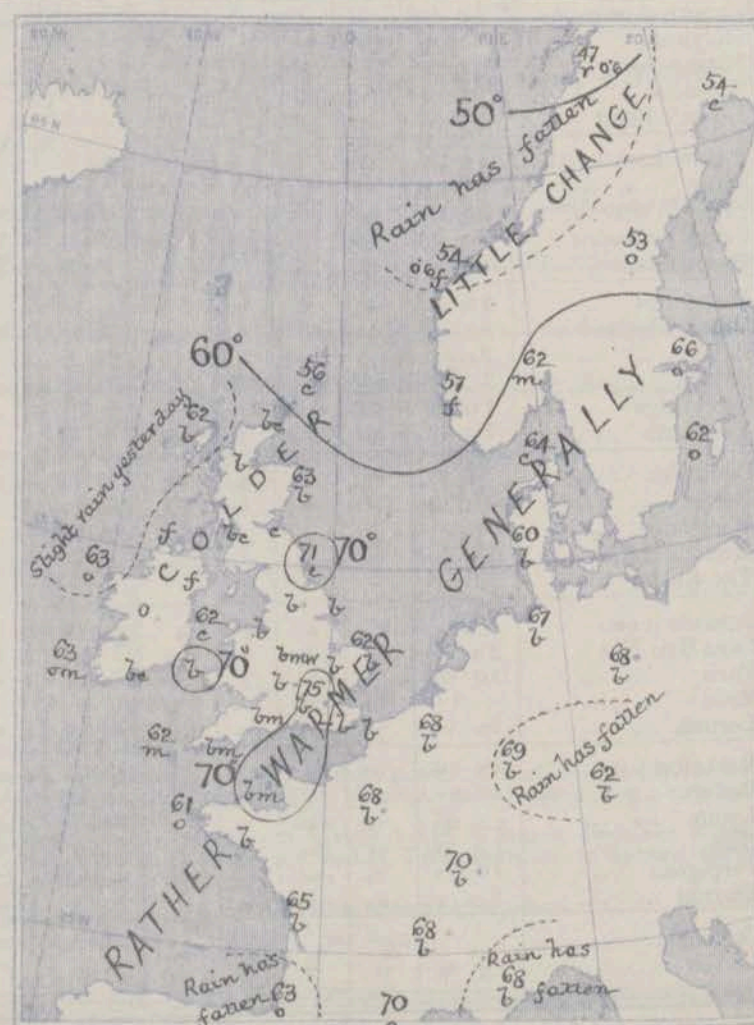
WEATHER—is shown by letters of the Beaufort Scale.

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 June.)

STATIONS.	TEMPERATURE.				RAINFALL (inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sandburgh Head	54.6	45.0	50.3	48.6	1.98
Stormoway	58.0	45.0	53.3	51.1	2.85
Wick	58.9	45.3	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.7	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.89
Shields	66.0	48.2	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	66.4	48.4	56.2	52.7	2.17
Loughborough	68.0	49.0	57.8	53.9	2.22
Arbroath	62.0	49.5	55.1	52.1	2.40
Mullaghmore	61.1	51.4	54.0	52.0	2.70
Dungannon	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.0	56.7	52.7	1.89
Parsonstown	64.5	48.0	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Boche's Point	64.5	51.1	56.8	53.0	3.15
Pembroke	60.3	51.3	55.2	53.1	1.04
Selly	61.3	53.0	57.3	55.2	1.84
Pravle Point	61.5	50.5	56.9	54.6	1.00
Jersey	64.6	52.3	58.4	55.8	1.01
Hurst Castle	64.2	51.0	57.7	55.5	1.02
Dover	63.0	52.5	58.2	54.9	1.50
LONDON	60.1	50.0	58.0	54.6	2.11
Oxford	60.9	49.5	56.8	53.3	2.21
Cambridge	68.0	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in. and more to 30.2 in. over the whole of our Islands, the North Sea, and North Germany.
 Lowest, 29.8 in. and less, over Lapland (western part) and below 30.1 in. over the Gulf of Genoa.
 Gradients are slight.
 Barometer still rising except over Lapland and Sweden.

TEMPERATURE

Highest, 75° in London, 73° at Jersey, 72° at Pembroke, 71° at Lisbon and Shields.
 Lowest, 47° at Ålesund, 53° at Helsingfors, 54° at Christiana and Haparanda.
 The maxima recorded yesterday ranged from 80° to 85° over the greater part of England and France, and exceeded 80° in Germany.

WIND

SW³, strong over the northern half of Norway; W³, very light (and variable) in Scotland; NE² to E², light to moderate over the Bay of Biscay, France, the Channel, and south of England.

WEATHER

Rainy in the northwest of Norway, dull in the extreme west of Ireland, foggy in the north, very fine and bright elsewhere, and in many places cloudless.
 Some rain has fallen over the northwest of Norway, a little over Germany, and a mere trace at Norway and Denmark.

SEA

Light or smooth very generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fine hot weather is still likely to prevail generally.

FORECASTS

For the 24 hours ending at NOON on 18th June, 1893.

DISTRICTS.

FORECASTS.

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

Varying W² breezes, light; fine, warm.

Same as No 5.

Same as No 0 to 2.

NE² breezes, light or moderate; fine, very warm.

DISTRICTS.

FORECASTS.

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

W² airs; fine generally.

Same as No 5.

Varying airs; fine, warm, hazy.

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.				
Skudeanaes ...	30.18	57	52	W	14	f	2	Valencia ...	30.26	64	64	SW	3	sm	3
Sumburgh Head	29.99	64	60	SW	2	bc	3	Scilly ...	30.24	66	63	WHR	2	c	3
Stornoway ...	29.98	66	65	SW	6	o	5	Jersey ...	30.18	74	63	W	3	b	3
Aberdeen ...	30.07	70	61	S	8	c	3	Hurst Castle ...	30.16	75	68	WHR	2	sm	0
Shields ...	30.12	71	62	SE	5	bc	3	Dungeness ...	30.13	67	64	WHR	2	sm	0
Ardrossan ...	30.13	63	61	W	1	c	1	North Foreland ...	30.13	63	59	N	2	b	3
Malin Head ...	30.12	63	61	W	14	o	2	London (Westminster)	30.14	83	64	WHE	1	b	3*
Mullaghmore ...								Yarmouth ...	30.16	65	60	WHE	3	b	
Belmullet ...	29.96	65	65	SW	2	o	2	Rochefort ...	30.10	69	66	WHR	14	b	*
Holyhead ...	30.20	69	63	Z	0	b	0								

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

Weather fine over the greater part of the United Kingdom, and the Continent, but foggy at the mouths of the English and Bristol Channels, as well as in the west of Norway. Dull in the extreme west and northwest of our Islands, with showers at Malin Head, and also over the south of France and northern Italy. Slight rain falling later in the Hebrides and at some of the German stations, and larger quantities in the west of Norway and south of France; weather remaining dry in nearly all other parts of Western Europe.

Temperatures risen in most countries, but fallen in Norway and Russia and also in Algeria. Morning readings highest (1) 80° at Sfax, 79° at Brindisi and 75° at Malta; (2) 70° at Wick, Aberdeen, Donaghadee, Liverpool and Frankfort. Lowest 36° at Archangel, 46° at Rode, 50° at Haparanda, Uleaborg, and Skudesnaes, and 54° at Kuopio and Christiansund. Rising during day to between 75° and 80° in the east of Scotland, and to between 80° and 85° over the inland parts of England. Exceeding 80° also at many of the Continental stations, the highest reading of all being 88° at Lisbon.

Wind SW^{ly} in Ireland, Scotland, and the west of Norway, and strong in force in the Hebrides — Light from the NE^{ly} over Germany, the Netherlands, and the east and southeast of England, and from the NW^{ly} over the southwest of England and the greater part of France. N^{ly} or NW^{ly} over Sweden and Russia, variable in Italy. E^{ly} or NE^{ly} in Spain. No important change occurring during day.

Barometer highest 30.2 in. and upwards, in an anticyclone lying to the southward of our Islands; 30.1 in. and upwards over the greater part of western and northwestern Europe, but below 30.0 in. in a large shallow depression lying to the northward of our Islands. Lowest 29.8 in. and less, over the southern part of Russia; 29.9 in. and less, in a shallow depression lying over the Gulf of Genoa. Depression in north subsequently travelling away to the northeastward, anticyclone in southwest spreading northwards over Ireland and the west of England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Sunday 18th June,

1893

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

Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.																						
YESTERDAY EVENING. (See note at bottom of last page.)										THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.		
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 Yester- day Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).			Max.	Min.					
SCANDINAVIA.	Haparanda ...	29.67	46	Z	0	r	29.62	- .38	53	51	-	1	NNE	4	c	#	r	61	37	0.28		
	Hernösand ...	29.93	57	WNW	6	bc	29.84	- .13	55	57	+	2	WN	8	b	#	bc	64	43	-		
	Stockholm ...	29.90	61	N	4	r	29.91	- .11	58	?	-	8	WN	6	b	#	r	73	54	-		
	Wisby ...	29.86	61	NNW	4	bc	29.95	- .17	58	56	-	4	NNW	4	b	#	bc	73	52	-		
	Bodö ...	29.78	46	SW	6	r	29.79	+ .08	44	43	-	3	SW	6	r	2	r	48	43	0.56		
SCANDINAVIA.	Christiansund...	30.12	51	WSW	8	o	29.99	- .12	52	51	-	2	WSW	8	o	4	o	54	48	0.59		
	Skudesnaes ...	30.12	55	WN	4	o	30.06	+ .04	55	54	-	2	WN	6	o	2	bc	59	52	0.04		
	Christiana Fjord (Fjord)	30.01	70	NNW	4	b	30.03	- .05	62	57	-	0	W	4	b	1	b	73	61	-		
	Skagen (The Sound)	30.03	60	WNW	5	b	30.08	- .05	68	59	-	1	WNW	6	b	3	b	68	57	-		
	Faro ...	30.23	57	WN	4	b	30.26	- .03	57	55	-	1	WN	6	b	#	b	66	55	-		
SCANDINAVIA.	Sumburgh Head	30.21	57	W	4	o	30.24	+ .03	55	55	-	1	W	2	wf	3	co	62	51	0.02		
	Stornoway ...	30.29	66	SW	4	o	30.3	+ .07	66	65	+	4	Z	0	b	2	bc	69	55	-		
	Wick ...	30.33	62	S	1	b	30.33	+ .02	71	68	+	7	WN	1	b	0	b	73	52	-		
	Nairn ...	30.28	78	WSW	2	b	30.32	+ .05	68	65	+	2	SW	1	b	0	b	80	54	-		
	Aberdeen ...	30.23	60	ESE	1	b	30.32	+ .03	69	63	+	6	ESE	2	b	1	b	70	55	-		
SCANDINAVIA.	Leith ...	30.31	73	WSW	3	b	30.33	+ .03	72	64	+	3	WSW	1	bc	#	b	80	54	-		
	Shields ...	30.32	66	ESE	3	b	30.33	+ .02	64	61	-	7	E	2	b	2	b	74	55	-		
	Spurn Head ...	30.32	64	ENE	1	bm	30.36	+ .06	61	60	+	2	ESE	1	b	2	bm	67	53	-		
	York ...	30.33	74	E	2	b	30.37	+ .05	69	63	+	2	SE	1	b	#	b	82	53	-		
	Loughborough	30.29	82	E	2	bc	30.38	+ .05	70	63	+	4	E	1	b	#	bc	85	53	-		
BRITISH ISLANDS.	Ardrossan ...	30.33	67	W	1	b	30.35	+ .03	68	60	-	4	N	1	b	1	b	72	53	-		
	Malin Head ...	30.37	61	N	1	of	30.38	+ .05	57	57	-	3	NE	1	of	1	of	66	55	-		
	Mullaghmore ...	30.37	65	NN	1	b	30.38	+ .02	63	63	-	0	ENE	1	b	#	b	67	59	-		
	Belmullet ...	30.37	65	NN	3	f	30.37	+ .02	57	55	-	4	NN	3	m	1	f	70	56	-		
	Donaghadee ...	30.37	65	NN	3	f	30.37	+ .02	57	55	-	4	NN	3	m	1	f	70	56	-		
BRITISH ISLANDS.	Liverpool (Bidston)	30.34	71	NN	1	b	30.34	+ .01	72	64	+	2	ESE	2	b	0	b	73	60	-		
	Holyhead ...	30.34	63	NNE	2	b	30.35	+ .00	62	59	-	0	N	1	bc	1	b	66	55	-		
	Parsonstown ...	30.34	71	Z	0	c	30.37	+ .02	69	63	+	4	Z	0	b	#	c	73	54	-		
	Valencia ...	30.36	64	WSW	1	o	30.32	- .05	67	65	+	4	Z	0	bm	1	com	73	54	-		
	Roche's Point	30.34	69	SSE	1	b	30.31	- .04	70	65	+	4	NNE	2	b	2	b	71	61	-		
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	30.28	71	NNE	4	b	30.31	+ .01	67	65	-	5	E	2	b	1	b	78	63	-		
	Scilly ...	30.26	66	NNE	3	m	30.24	- .04	68	60	+	6	E	5	bc	4	bm	69	59	-		
	Prawle Point ...	30.28	71	ENE	2	b	30.28	+ .01	70	59	-	0	NE	4	b	3	b	76	61	-		
	Jersey (St. Aubin's)	30.21	77	NE	4	b	30.24	- .02	72	62	-	1	ENE	4	b	3	b	81	62	-		
	Hurst Castle ...	30.28	76	SSE	2	bm	30.30	+ .02	69	64	-	1	E	2	bm	0	bm	83	58	-		
BRITISH ISLANDS.	Dungeness ...	30.26	67	E	4	b	30.29	+ .03	66	62	-	2	NE	2	b	1	b	72	58	-		
	North Foreland	30.27	64	E	1	b	30.32	+ .05	62	59	-	1	NNE	1	b	2	b	65	56	-		
	London ...	30.28	77	ENE	2	b	30.35	+ .03	70	61	-	5	NE	2	b	#	b	87	58	-		
	Oxford ...	30.29	74	NE	1	bc	30.34	+ .03	68	60	-	2	ENE	1	b	#	bc	85	57	-		
	Cambridge ...	30.29	83	N	2	b	30.38	+ .07	68	61	-	1	ENE	2	b	#	b	87	52	-		
BRITISH ISLANDS.	Yarmouth ...	30.31	66	NNE	1	b	30.35	+ .05	63	60	+	1	NNE	2	b	2	b	68	56	-		
	Cuxhaven ...	30.32	62	N	1	b	30.32	- .02	62	60	-	5	N	5	b	#	b	71	53	-		
	Berlin ...	30.20	76	Z	0	m	30.16	- .11	67	56	-	1	WNW	4	b	#	m	82	59	-		
	Wiesbaden ...	30.21	62	NE	3	b	30.29	+ .05	66	58	-	3	E	2	b	#	b	73	46	-		
	Munich ...	30.21	62	NE	3	b	30.36	+ .16	64	56	+	2	E	1	b	#	b	73	46	-		
GERMANY & HOLLAND.	The Helder ...	30.26	64	N	1	b	30.41	+ .16	64	60	+	2	NE	2	b	#	b	72	59	-		
	Brussels (9 a.m.)	30.32	64	E	2	b	30.32	+ .06	73	60	+	5	FNE	2	b	#	b	86	57	-		
	Cape Gris Nez	30.24	64	E	2	b	30.24	+ .01	62	59	-	0	ENE	3	b	#	b	86	57	-		
	Paris ...	30.17	81	NNE	2	b	30.26	+ .05	68	59	-	0	Z	0	b	#	b	87	57	-		
	Brest ...	30.17	78	ENE	3	b	30.26	+ .05	68	59	-	0	Z	0	b	#	b	87	57	-		
FRANCE AND BELGIUM.	Lorient ...	30.12	73	Z	0	b	30.17	- .04	67	59	+	5	ENE	4	b	2	b	86	54	-		
	Rochefort ...	30.07	69	N	3	c	30.11	- .05	66	64	+	1	SE	3	b	#	bc	82	54	0.55		
	Belfort ...	30.07	79	NNE	3	b	30.11	- .05	66	64	+	1	SE	3	b	#	bc	82	54	0.55		
	Lyons ...	30.09	72	NN	1	c	30.25	+ .13	69	63	+	1	SE	1	b	#	c	86	59	-		
	Nice ...	30.14	69	Z	0	c	30.25	+ .17	70	60	+	2	NE	1	b	#	c	86	59	-		
FRANCE AND BELGIUM.	Perpignan ...	30.13	72	E	2	b	30.24	+ .10	66	65	-	4	Z	0	o	#	b	77	61	-		
	Biarritz ...	30.04	70	N	4	b	30.08	- .09	71	66	+	8	E	2	bc	3	b	73	61	-		
	Corunna ...	29.98	70	SW	4	c	29.91	+ .01	70	64	-	1	ENE	3	o	#	c	82	66	0.20		
	Lisbon ...	29.98	70	SW	4	c	29.91	+ .01	70	64	-	1	ENE	3	o	#	c	82	66	0.20		
	Lisbon ...	29.98	70	SW	4	c	29.91	+ .01	70	64	-	1	ENE	3	o	#	c	82	66	0.20		

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, 18th June 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—
 — force above 10 — force 5 to 10 — force 5 to 7 — force 1 to 4 — dead calm
SEA DISTURBANCE—Where considerable, is shown thus:
 — Rough. — High.

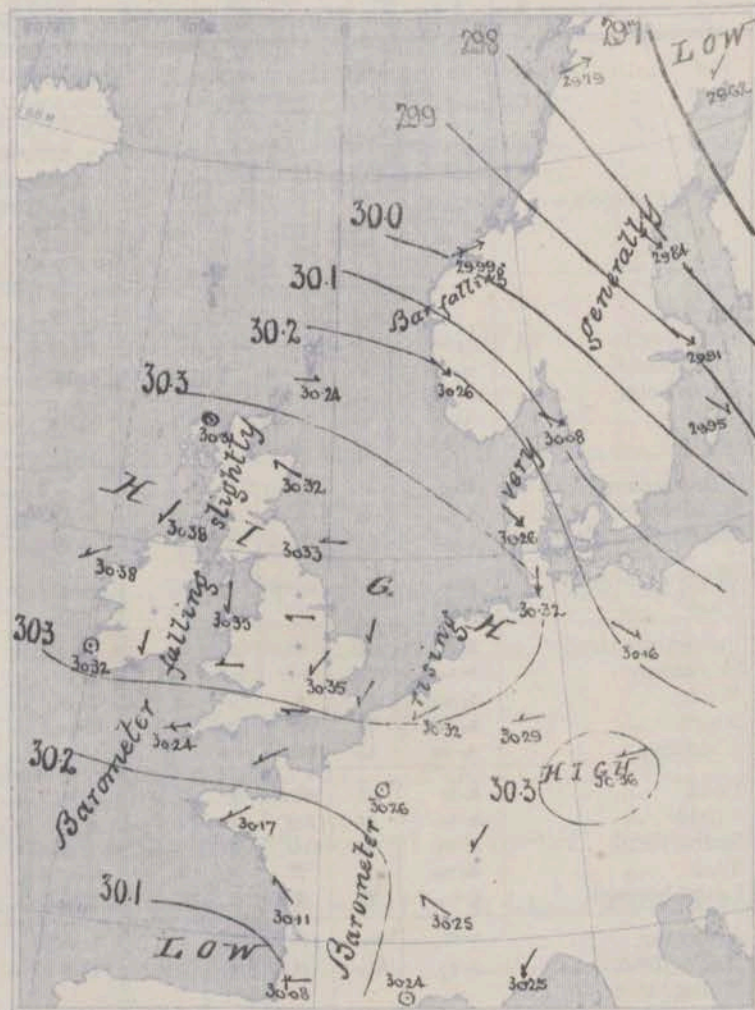
MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June
 During the 20 Years 1871-1890

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sandburgh Head	29.863
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Andrusan	29.983
Mullaghmore	29.986
Dounglass	29.988
Holyhead	29.990
Liverpool	29.990
Darlington	29.972
Valencia	29.975
Roche's Point	29.975
Pembroke	29.974
Selly	29.996
Pravle Point	30.007
Jersey	30.010
Hurst Castle	29.968
Dover	29.983
LONDON	29.982
Oxford	29.996
Cambridge	29.985
Varmouth	29.977



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

TEMPERATURE—Isobars are drawn for each 30°. Changes since previous morning are stated in words.

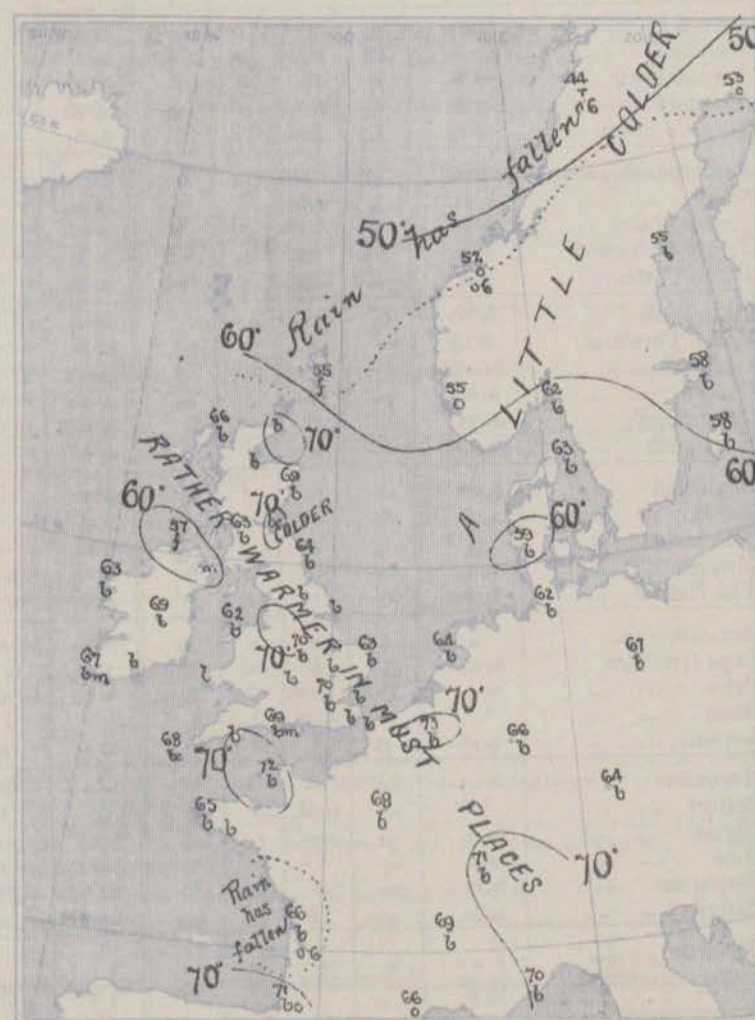
WEATHER—is shown by letters of the Beaufort Scale.

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 June.)

STATIONS	TEMPERATURE				RAINFALL (inches.)
	Daily Max.	Daily Min.	Dr.	Wet.	
Sandburgh Head	54.6	45.0	30.3	48.0	1.98
Stornoway	58.0	45.0	33.3	51.1	2.86
Wick	58.9	45.5	33.3	50.7	1.74
Nairn	62.2	47.8	34.3	50.6	1.70
Aberdeen	61.2	47.2	34.8	50.8	1.77
Leith	63.0	47.9	35.9	52.3	1.80
Shields	60.6	48.7	34.8	51.7	1.71
Spurn Head	60.4	51.4	35.3	52.8	1.54
York	60.1	48.4	36.2	52.7	2.47
Loughborough	68.6	49.0	37.8	55.9	2.22
Andrusan	62.0	49.3	35.1	52.1	2.40
Mullaghmore	61.1	51.4	34.9	52.0	2.79
Dounglass	61.2	49.3	35.0	52.8	1.02
Holyhead	61.6	51.5	35.7	53.2	1.98
Liverpool	63.3	50.9	36.7	52.7	1.80
Darlington	64.5	48.5	36.0	52.6	2.70
Valencia	62.2	51.1	37.2	54.3	3.27
Roche's Point	64.5	51.1	36.8	53.6	3.13
Pembroke	60.3	51.0	35.2	53.1	1.94
Selly	61.3	52.0	37.3	55.2	1.84
Pravle Point	61.5	50.5	36.9	54.6	1.60
Jersey	64.0	52.5	38.4	55.8	1.91
Hurst Castle	64.2	51.9	37.7	55.5	1.02
Dover	63.0	52.5	38.2	54.9	1.30
LONDON	60.1	50.0	38.9	54.6	2.11
Oxford	60.9	49.5	36.8	53.3	2.21
Cambridge	68.6	48.5	38.1	54.7	2.23
Varmouth	62.6	51.1	39.9	54.0	1.88

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins; and more to 30.2 ins in an anticyclone covering the whole of the British Isles, the Netherlands, Western Germany and the East of France.
 Lowest, (1) 29.8 ins; and less, over the northeastern part of Scandinavia, and apparently still lower over Iceland and the north of France, (2) 29.9 ins; and less in the extreme northwest of Portugal.
 Gradients very slight over our Islands, moderate over Norway, slight over France.
 Barometer risen over our Islands, fallen over Norway and Portugal, and the fall seems to be spreading towards the British Isles.

TEMPERATURE

Highest, 72° at Jersey and Louth, 71° at Biarritz, Brussels and Kiel, 70° at several stations in our Islands.
 Lowest, 44° at Oslo, 52° to 55° over the northern and western parts of Scandinavia generally.
 The maxima recorded over England yesterday ranged from 80° to 87° in many parts of the United Kingdom and France. This morning's readings, however, were less high than those of yesterday in many places.

WIND

W¹ to NW², strong to a gale, over Scandinavia and Denmark. Very light and variable over the greater part of the United Kingdom, NE¹ to E¹, moderate in the Channel, E¹ to SE² over the Bay of Biscay.

WEATHER

Very fine in all but the extreme northern districts. The sky is overcast at the Norwegian stations, with rain at Oslo. Lunar halo was seen at the North Foreland last night, and a great deal of cirriform cloud in London. Rain has fallen in considerable quantity over Norway and the north of Sweden and also at Rochefort.

SEA

Moderate at Scilly, slight to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

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

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

None issued

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

None issued

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Stadenæs ...	30.26	59	55	NW	6	b	2	Valencia ...	30.36	73	69	WNW	2	cm	2
Sumburgh Head ...	30.24	60	58	W	3	c	3	Scilly ...	30.26	68	63	NNE	3	b	4
Stornoway ...	30.28	69	68	SW	3	bc	3	Jersey ...	30.24	81	67	ENE	4	b	3
Aberdeen ...	30.31	67	60	SSE	3	b	1	Harst Castle ...	30.28	78	68	SSE	2	bm	1
Shields ...	30.33	68	63	E	2	b	2	Dungeness ...	30.28	70	65	E	3	b	2
Ardrossan ...	30.34	66	64	SW	1	b	1	North Foreland ...	30.29	65	60	NNE	1	b	2
Malin Head ...	30.36	65	62	NW	2	o	2	London ...	30.28	83	65	NE	2	b	*
Mullaghmore ...								Yarmouth ...	30.31	67	62	NE	1	b	2
Belmullet ...	30.38	62	61	W	1	b	*	Rochefort ...	30.11	79	71	N	1	bc	*
Holyhead ...	30.35	63	60	NNW	2	b	1								

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

Weather fine over the greater part of Western, Central, and Southern Europe, but dull in Ireland, with fog at the northern stations. Dull in Scandinavia and the extreme north of Russia, with fog in the west of Norway, and with rain at Åbo. Rain falling later in the northern and northern parts of Scandinavia generally, and a slight quantity in the Shetlands; thunderstorms occurring at many of western French stations.

Temperature risen in most places. Morning readings highest (1) 78° at Spitz, 76° at Barcelona, and 73° at Cagliari, Palermo, Monaco and Algiers; (2) 75° in London, 73° at Jersey, 72° at Pembroke, and 71° at Shields; above 65° in most parts of western and southern Europe. Lowest 33° at Archangel, 44° at Moscow, 47° at Åbo, 48° at St. Petersburg, and 51° at L'Annapolis. Rising during day to between 80° and 85° in many parts of Great Britain and reaching 87° in London and at Cambridge. Remaining below 80° at many of the Spanish and Italian stations, but rising to 89° at Madrid.

Wind light and variable over the northern parts of the United Kingdom, but NE³ on our southern coast, as well as over the Netherlands, France, Spain, and the greater part of Italy. SW³ in Scandinavia and strong in force in the west of Norway; light from the NW² in many parts of Russia and Central Europe. W¹ and SW¹ breezes setting in later over the greater part of Scotland; no important change occurring elsewhere, but wind increasing to a gale from the W² at Christiansund.

Barometer highest 30.2 in. to 30.3 in. and upwards, in a large anticyclone covering our Islands, the North Sea, Denmark, Germany, the Netherlands, and the north of France. Lowest, 29.8 in. and less, in a well marked depression lying off the northwest of Norway, and also in a shallower system over northern Russia; 29.9 in. and less, in a third disturbance lying off the southwest of Spain. Very little change occurring during day, but depression off northwest of Norway, spreading southeastwards.

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, 19th June,*

1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	BAROM.	TEMP.	WIND.			BAROMETER.	SHADE TEMP.			WIND.						SHADE TEMP.			
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Weather.	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Sea (0 to 9).		Weather.	Max.	Min.	Amount of Rainfall.
	Inch.	°				Inch.	°	°	°								°	°	Inch.
SCANDINAVIA.	Haparanda ...	29.57	56	2	0	6	29.46	- 16	58	50	+ 5	NE	2	bc	#	6	64	43	-
	Hernösand ...	29.84	56	NW	4	bc	29.63	- 21	58	53	+ 3	W	4	o	#	6	68	45	-
	Stockholm ...	29.84	60	NW	4	c	29.75	- 16	60	51	+ 2	NW	2	b	#	c	66	52	-
	Wisby ...	29.84	58	SW	4	bc	29.82	- 13	57	53	- 1	NW	4	b	#	bc	68	54	-
	Bodö ...	29.84	44	NW	6	o	29.48	- 31	?	44	?	E	4	r	2	o	45	44	0.12
	Christiansund...	29.95	52	WSW	8	r	29.77	- 22	50	48	- 2	WSW	6	r	3	r	52	48	0.28
	Skudesnaes ...	30.19	55	WNW	1	o	29.94	- 32	54	54	- 1	WNW	2	f	2	o	61	52	-
	Christiania Fjord (Fæder)	29.95	70	WNW	6	b	29.78	- 25	63	59	+ 1	WSW	6	b	3	b	73	61	-
	Skagen (The Seaw)	29.95	59	NW	5	b	29.89	- 19	60	57	- 3	WNW	6	b	4	b	68	57	-
	Fanö ...	30.16	56	NW	4	o	30.06	- 20	55	54	- 4	W	2	m	#	o	66	55	-
BRITISH ISLANDS.	Sumburgh Head	30.15	55	WNW	2	m	29.95	- 29	53	50	- 2	WNW	3	c	3	m	58	51	0.02
	Stornoway ...	30.23	73	W	2	bc	30.10	- 21	80	55	- 10	N	5	bc	4	bc	76	53	-
	Wick ...	30.25	65	W	1	b	30.01	- 32	54	52	- 17	NW	4	o	1	b	74	52	0.01
	Nairn ...	30.20	70	E	1	c	30.05	- 27	63	59	- 5	W	3	c	1	c	83	59	-
	Aberdeen ...	30.21	63	ESE	1	b	30.03	- 29	65	59	- 4	NW	2	c	1	b	72	57	-
	Leith ...	30.18	79	WSW	3	b	30.05	- 28	64	61	- 8	WSW	2	o	#	b	83	58	-
	Shields ...	30.20	70	SSE	3	c	30.03	- 30	67	63	+ 3	W	3	b	2	c	75	58	-
	Spurn Head ...	30.26	60	ESE	2	b	30.02	- 34	63	63	+ 2	SE	1	bw	3	b	63	56	-
	York ...	30.25	76	SE	1	b	30.05	- 32	66	62	- 3	NNE	1	b	#	b	85	55	-
	Loughborough	30.22	81	ESE	2	b	30.07	- 31	73	65	+ 3	WNW	1	bm	#	b	86	55	-
GERMANY & HOLLAND.	Ardrossan ...	30.21	68	WNW	5	b	30.08	- 27	61	59	- 2	W	4	b	2	b	72	51	-
	Malin Head ...	30.26	64	N	1	b	30.16	- 22	58	57	- 3	WNW	2	of	0	0.6f	65	58	-
	Mullaghmore ...																		
	Belmullet ...	30.28	65	N	2	b	30.21	- 17	62	61	- 1	NE	1	b	#	b	73	57	-
	Donaghadee ...	30.26	64	WNW	3	b	30.13	- 24	64	62	+ 7	WNW	4	b	2	b	67	57	-
	Liverpool (Bidston)	30.23	69	WNW	1	b	30.10	- 24	61	58	- 11	WNW	2	o	2	b	85	59	-
	Holyhead ...	30.26	60	NW	1	b	30.13	- 22	58	57	- 4	NNE	2	mgw	1	b	64	55	-
	Parsonstown ...	30.25	79	2	0	b	30.13	- 22	65	62	- 4	2	0	b	#	b	80	57	-
	Valencia ...	30.24	70	WSW	1	c	30.11	- 21	67	63	0	2	0	bm	#	tlr.c	80	52	0.07
	Roche's Point	30.24	67	ESE	3	bc	30.11	- 20	70	55	0	E	2	b	2	bc	73	58	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.19	73	NE	3	b	30.07	- 24	70	66	+ 3	NE	1	bm	0	b	79	62	-
	Scilly ...	30.16	70	E	4	b	30.03	- 21	72	68	+ 4	ENE	4	bc	3	b	72	60	-
	Prawle Point ...	30.19	63	ENE	2	b	30.04	- 24	72	62	+ 2	NE	3	b	2	b	74	62	-
	Jersey (St. Aubin's)	30.14	77	NE	4	b	30.01	- 23	76	64	+ 4	E	2	bm	2	b	81	65	-
	Hurst Castle ...	30.19	79	ESE	2	b	30.05	- 25	70	68	+ 1	ENE	1	bm	0	b	84	58	-
	Dunegness ...	30.19	65	EHE	4	bc	30.03	- 26	68	64	+ 2	EHE	2	b	1	b, bc	70	53	-
	North Foreland	30.23	62	NE	1	b	30.03	- 29	66	63	- 3	WNW	1	b	2	b	66	56	-
	London ...	30.24	73	E	3	b	30.08	- 27	70	63	0	2	0	bm	#	b	83	54	-
	Oxford ...	30.19	73	ESE	1	b	30.07	- 27	68	61	0	2	0	b	#	b	84	55	-
	Cambridge ...	30.22	80	SSE	3	b	30.07	- 31	67	59	- 1	EHE	1	b	#	b	86	52	-
PENIN- SULA.	Yarmouth ...	30.28	64	EHE	2	b	30.08	- 27	62	60	- 1	EHE	1	b	2	b	65	56	-
	Cuxhaven ...	30.27	64	N	3	b	30.16	- 16	63	61	+ 1	W	2	c	#	b	64	59	-
	Berlin ...	30.06	75	SW	4	b	30.06	- 10	64	60	- 3	NW	4	b	#	b	82	59	-
	Wiesbaden ...						30.12	- 17	72	63	+ 6	N	2	b	#	#	86	55	-
	Munich ...	30.23	69	SW	1	b	30.16	- 20	68	59	+ 4	NE	1	b	#	b	77	55	-
	The Helder ...	30.30	66	NE	1	b	30.15	- 26	67	62	+ 3	ESE	1	b	1	b	68	63	-
	Brussels (9 a.m.)	*	*	*	*	*	30.12	- 20	74	64	+ 1	ESE	1	b	#	b	85	60	-
	Cape Gris Nez	30.18	62	EHE	4	b	30.05	- 19	62	60	0	E	1	m	0	b	72	57	-
	Paris ...	30.14	84	NE	2	b	30.05	- 21	69	59	+ 1	NNE	1	b	#	b	90	57	-
	Brest ...	?	82	N	1	b	?	?	72	64	+ 7	ESE	2	b	#	b	91	53	-
GERMANY & HOLLAND.	Lorient ...	30.08	75	2	0	b	29.99	- 18	68	59	+ 1	ESE	2	bc	2	b	86	64	-
	Rochefort ...	30.02	83	ESE	4	b	30.00	- 12	68	64	+ 2	SE	3	bc	#	b	91	61	-
	Belfort ...	?	79	NE	3	b	?	?	71	59	0	NE	3	b	#	b	84	53	-
	Lyons ...	30.12	83	SE	1	b	30.07	- 18	71	60	+ 2	SE	1	b	#	b	90	60	-
	Nice ...	30.13	72	SW	1	b	30.08	- 17	73	60	+ 3	EHE	1	b	0	b	79	61	-
	Perpignan ...	30.13	71	S	2	o	30.08	- 16	66	64	0	NE	2	o	#	o	79	59	-
	Biarritz ...	30.01	79	E	4	t	30.01	- 07	74	67	+ 3	ESE	2	b	2	tl	84	68	-
	Corunna ...																		
	Lisbon ...	30.03	66	SW	4	b	30.07	+ 16	68	63	- 2	SSW	4	bc	#	#	77	64	0.08

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Monday, 19th June, 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:

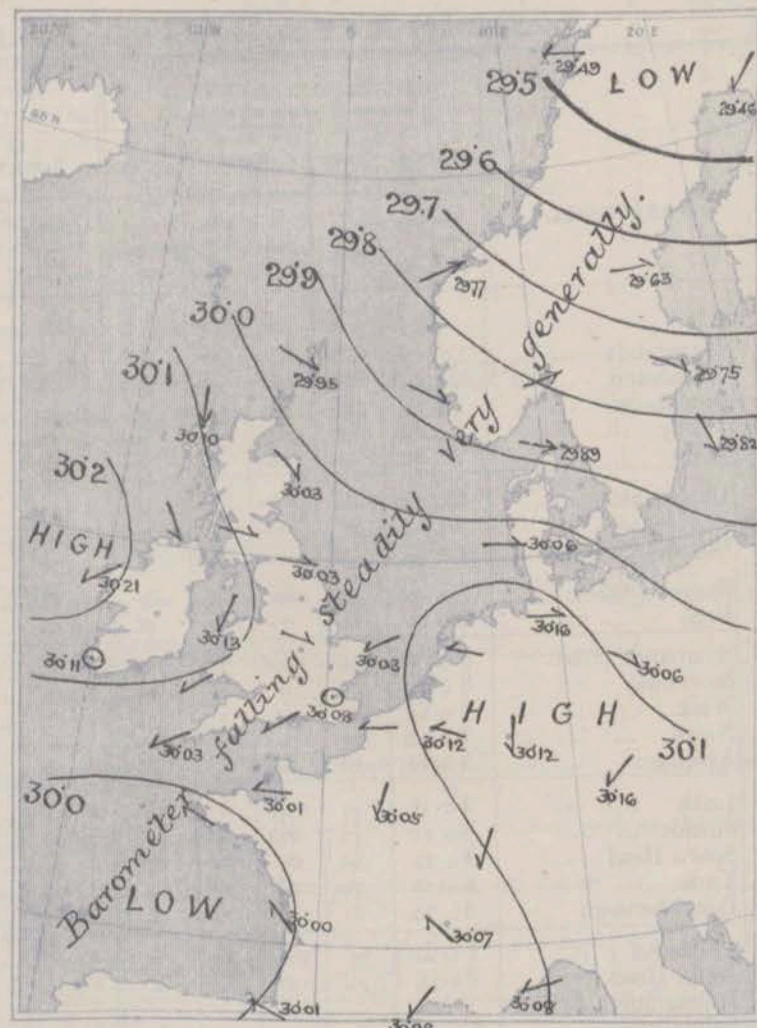
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871–1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.982
Mullaghmore	29.986
Donaghadee	29.940
Holyhead	29.966
Liverpool	29.980
Parsonstown	29.972
Valencia	29.975
Rocha's Point	29.973
Pembroke	29.974
Seilly	29.980
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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.

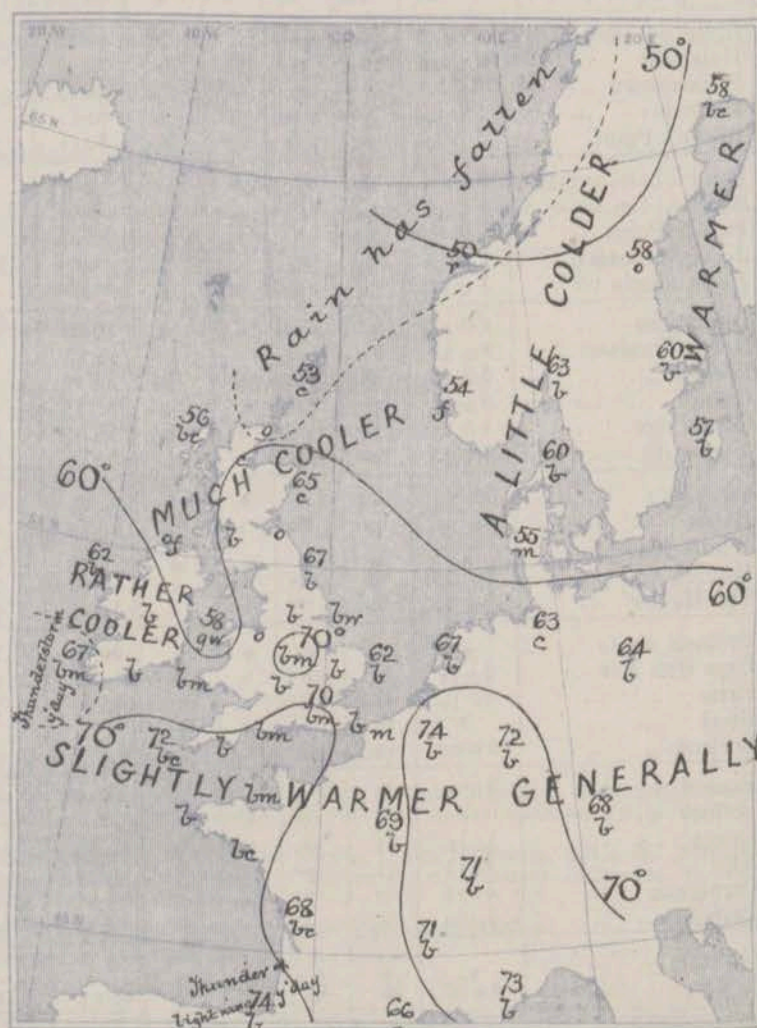
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.0	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.40
Mullaghmore	61.1	51.4	54.0	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.3	48.5	56.0	52.4	2.30
Valencia	62.2	51.1	57.2	54.3	3.27
Rocha's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Seilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	50.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.8	48.5	54.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.9	1.88

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 ins: and more to 30.1 ins: in the eastern part of an anticyclone extending from the Atlantic across Ireland and the Irish Sea; (2) 30.1 ins: and more over Germany and the Netherlands.

Lowest, (1) 29.5 ins: and less over Lapland and the northern parts of Sweden and Norway; (2) below 30.0 ins: over the Bay of Biscay.

Gradients moderate over Scandinavia, slight elsewhere. Barometer falling except over the Spanish Peninsula, where a rise is in progress.

TEMPERATURE

Highest, 76° at Jersey, 74° at Biarritz and Brest, 72° at Scilly and Lizard Point, 70° at several other of our southern stations.

Lowest, 50° at Christiansund, 53° at Lumburg H^d, 54° at Wick.

It rose yesterday to between 80° and 86° in many parts of our Islands yesterday, and to rather above 90° over France, but has fallen fast at several of our northern and northwestern stations during the night.

WIND

Varies greatly in different districts. It is (1) N¹ to NW¹ over the northern parts of our Islands, W¹ and SW¹ over Norway and Sweden, E¹ over Lapland. (2) NE¹ over the Channel, E¹ and SE¹ in the coast of France, SW¹ at Lisbon.

WEATHER

Still very fine over France and the greater part of England and Ireland, cloudy and rather unsettled looking in Scotland, rainy and foggy on the Norwegian coast.

Rain was measured in the latter regions and the Shetlands this morning, and a small quantity at Valence also - where thunder and lightning occurred yesterday afternoon.

SEA

Moderate at Stromness, slight at our other northern stations. Very smooth in the south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The change noticed in the north is likely to spread southwards shortly, but probably with much diminished intensity, and not as a permanent change.

FORECASTS

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

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

1 SCOTLAND
EAST

2 ENGLAND
N.E.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

5 ENGLAND
SOUTH

NW¹ winds, some cold showers.

Same as No 5.

NW¹ breezes, becoming colder, perhaps some showers.
E¹ and Variable airs; fine, warm, then colder and perhaps less settled.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

7 ENGLAND
N.W.

8 ENGLAND
S.W.

9 IRELAND
NORTH

10 IRELAND
SOUTH

NW¹ breezes; less fair than of late and colder.



NE¹ breezes; fine generally.

Same as No 6 and 7.

NW¹ breezes; fine 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.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	30. 24	60	56	NW	6	c	2	Valencia ...							
Sumburgh Head ...								Seilly ...							
Stornoway ...	30. 26	76	7	S	2	c	2	Jersey ...	30. 19	80	68	E	3	b	3
Aberdeen ...								Hurst Castle ...							
Shields ...								Dungeness ...	30. 25	68	64	E NE	5	b	4
Ardrossan ...								North Foreland ...	30. 30	63	60	NE	8	b	2
Malin Head ...	30. 32	60	59	NE	1	o	0	London ...							
Mullaghmore ...								Yarmouth ...							
Belmullet ...	30. 32	72	?	N	1	b	1	Rochefort ...	30. 08	89	75	E SE	4	b	
Holyhead ...	30. 31	62	59	NW	2	b	1								

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

Weather in morning fine and bright over our Islands and the greater part of the Continent, but dull in the west of Norway (with rain at Bodø) as well as over a considerable portion of Russia, Spain and Algeria. Slight rain falling later in the extreme north of Scotland, and thunderstorms occurring at Valencia (Ireland) and Sicily, but remaining fine and dry over western Europe generally.

Temperature fallen in the central parts of the United Kingdom, as well as over Denmark and the Baltic, but risen in most other localities. Morning readings, highest (1) 78° at Brindisi, Aron and Spax, 76° at La Caille and 75° at Tunis; (2) 72° at Leith and Liverpool, 71° at Wick, and 70° at Loughborough, Loch's Point and Prowle Pt., about 65° in most parts of the United Kingdom. Lowest 41° at Archangel, 44° at Bodø, 50° at Moscow, 52° at Christiania, and 53° at Haparanda. Rising during day to between 80° and 85° in many parts of our Islands, and reaching 86° at Loughborough and Cambridge. Exceeding 85° at most of the French stations, the highest reading of all being 91° at Brest and Rochefort.

Wind light to moderate from the E^W or NE^W over England, Ireland, France and Spain, variable in Italy, SE^W or S^W in Algeria. Light and variable in Scotland; strong to a gale from the W^W or SW^W in the west of Norway, and from the NW^W in Sweden and Denmark, moderate to fresh from the NW^W or N^W over Finland, the Baltic and Poland; W^W in Austria, SW^W over the southern parts of Russia. No important change occurring over western Europe during day.

Barometer highest 30.3 ins. and upwards in an anticyclone covering nearly the whole of our Islands, the Netherlands and the North Sea. Lowest 29.3 ins. and less in a depression lying over the north of Russia; 29.9 ins. and less in a shallow system lying off the southwest of Spain. General fall of barometer taking place over western Europe during day, but distribution of pressure not materially altered.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD. FROM THE 11TH TO 17TH JUNE 1893

During the earlier days of this week anticyclonic conditions prevailed over the British Islands generally, and the weather was exceedingly fine and dry, but not very warm. On Tuesday and Wednesday, shallow depressions approached us from the southward, with the result that thunderstorms occurred in many parts of the United Kingdom, and were as a rule accompanied by very little rain; in several places they were rainless. Temperature, however, began to rise, and on Wednesday a maximum of 81° was recorded in London.

After Thursday the disturbances disappeared, and with a renewal of anticyclonic conditions the thermometer rose until the maxima recorded on Saturday varied between 80° and 84° in many parts of the Kingdom.

Heavy rain fell over France on the 14th - 15th.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on TUESDAY, 20th JUNE, 1893

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

Issued by the Meteorological Office, 53, Victoria Street, London. H. 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.		BAROMETER.		SHADE TEMP.			WIND.			SHADE TEMP.		Amount of Rainfall.			
	Reading at 5 P. and Sea Level.	Dry Bulb.	Direc.	Force (0 to 12).	Weather.	Reading at 5 P. 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.		
SCANDINAVIA.																				
Raparsanda ...	29.27	52	2	0	c	29.25	-0.1	44	43	-14	NNE	4	7	4	c	61	44	—		
Hernösand ...	29.26	54	NNW	4	b	29.24	-0.2	52	49	-6	NNW	4	0	4	b	66	48	—		
Stockholm ...	29.28	51	N	4	0	29.26	-0.2	51	46	-9	N	4	c	4	0	73	44	0.12		
Wisby ...	29.43	60	NNW	6	c	29.31	-0.1	53	51	-4	N	6	c	4	c	72	50	—		
Bodö ...	29.43	47	N	4	c	29.45	-0.2	46	44	2	N	2	c	1	c	50	48	0.02		
SCANDINAVIA.																				
Christiansund ...	29.65	48	NNW	4	c	29.56	-0.1	49	44	-5	NNW	2	7	4	c	58	45	0.02		
Skudesnaes ...	29.74	51	NNW	7	T	29.66	-0.8	50	48	-4	NNW	6	7	2	c	57	48	—		
Christiania Fjord (Fjord)	29.49	63	NNW	6	b	29.51	-0.2	56	47	-7	NNW	4	be	2	b	66	54	—		
Skagen (The Scaw)	29.52	56	N	6	b	29.51	-0.1	55	49	-5	NNE	2	c	2	b	64	54	—		
Fanö ...	29.70	56	NNW	6	0	29.65	-0.1	55	49	0	NNW	6	be	4	0	66	52	—		
SCANDINAVIA.																				
Sumburgh Head	29.85	52	NNW	3	be	29.80	-0.5	47	45	-6	NNW	2	0	2	be	56	44	0.01		
Stornoway ...	29.04	53	NNW	5	0	29.91	-0.1	53	49	-3	N	3	0	3	c	58	53	0.01		
Wick ...	29.77	53	NNW	5	0	29.81	-0.4	53	51	-1	NNW	4	0	1	0	62	44	0.05		
Nairn ...	29.59	53	NNW	3	c	29.59	-0.1	53	53	-10	N	3	0	1	c	65	50	0.02		
Aberdeen ...	29.95	53	N	3	b	29.88	-0.7	52	48	-13	NNW	3	0	2	be	70	51	0.01		
SCANDINAVIA.																				
Leith ...	29.95	60	E	2	0	29.91	-0.4	59	53	-5	NNE	1	0	0	0	62	50	—		
Shields ...	29.95	59	NNE	2	0	29.91	-0.4	56	52	-11	2	0	0	2	c	60	51	0.02		
Spurn Head ...	29.86	59	NNE	3	be	29.90	-0.4	55	51	-6	NNE	2	0	2	c	60	51	—		
York ...	29.92	68	NNE	2	b	29.92	-0.3	55	52	-9	E	1	0	0	0	64	52	—		
Loughborough	29.87	74	NNW	2	c	29.92	-0.5	54	52	-15	E	3	0	0	c	64	53	—		
SCANDINAVIA.																				
Ardrossan ...	29.95	60	N	3	c	29.92	-0.3	59	52	-4	NNW	3	b	2	b	64	53	—		
Malin Head ...	29.07	58	NNW	4	c	29.01	-0.6	55	50	-5	NNW	4	0	2	c	61	54	—		
Mullaghmore ...	29.12	60	N	2	c	29.07	-0.5	58	52	-4	N	2	b	0	c	63	51	—		
Belmullet ...	29.04	61	NNW	6	c	29.97	-0.7	59	56	-5	NNW	6	be	4	c	68	58	—		
Donaghadee ...	29.04	61	NNW	6	c	29.97	-0.7	59	56	-5	NNW	6	be	4	c	68	58	—		
SCANDINAVIA.																				
Liverpool (Bulston)	29.90	64	NNW	3	b	29.90	-0.2	59	57	-2	NNW	2	c	3	b	69	56	—		
Holyhead ...	29.00	59	NNW	2	b	29.93	-0.2	59	53	-1	N	5	b	4	ng	61	52	—		
Parsonstown ...	29.00	73	2	0	c	29.03	-0.3	56	52	-9	NNW	1	0	0	0	71	49	—		
Valencia ...	29.04	74	ENE	4	bm	29.02	-0.2	63	60	-4	E	1	0	1	bm	70	53	—		
Roche's Point	29.02	65	ENE	2	c	29.01	-0.1	61	56	-5	N	3	b	3	c	73	58	—		
SCANDINAVIA.																				
Pembroke (St. Ann's Hd.)	29.94	68	NNW	4	b	29.94	-0.3	55	54	-13	N	4	b	3	b	71	53	—		
Seilly ...	29.94	68	NNW	3	b	29.95	-0.4	63	59	-9	NNW	3	b	2	b	75	58	—		
Prawle Point ...	29.90	76	NNW	2	be	29.92	-0.2	65	60	-7	NNW	3	be	2	be	76	61	—		
Jersey (St. Aubin's)	29.90	78	NNW	2	0	29.92	-0.2	68	61	-1	NNW	3	cm	3	b	80	60	0.01		
Harst Castle ...	29.88	69	NNW	3	bm	29.85	-0.3	61	59	-9	NE	3	cm	0	bm	84	59	—		
SCANDINAVIA.																				
Dungeness ...	29.84	68	E	1	b	29.83	-0.2	59	57	-11	ENE	4	0	3	b	72	57	0.01		
North Foreland	29.82	72	S	1	b	29.83	-0.2	59	54	-9	NE	4	0	3	b	72	57	0.01		
London ...	29.86	81	N	3	be	29.88	-0.2	59	56	-13	ENE	2	0	3	b	88	54	—		
Oxford ...	29.87	70	NNW	2	be	29.88	-0.1	58	53	-10	NNW	1	0	3	b	86	56	—		
Cambridge ...	29.87	69	ENE	1	0	29.89	-0.1	59	54	-10	NNW	4	0	3	b	88	55	0.05		
Yarmouth ...	29.84	66	2	0	be	29.88	-0.2	56	53	-6	NNW	4	c	3	b	88	53	0.04		
SCANDINAVIA.																				
Cuxhaven ...	29.91	60	NNW	2	c	29.95	-0.4	56	54	-7	NNW	5	be	4	c	70	55	—		
Berlin ...	29.95	75	N	1	b	29.92	-0.3	62	58	-2	NNW	5	0	4	c	88	61	0.05		
Wiesbaden ...	29.93	70	E	1	b	29.94	-0.1	72	63	0	NNW	4	b	4	c	86	59	—		
Munich ...	29.93	70	E	1	b	29.94	-0.1	72	63	0	NNW	4	b	4	c	86	59	—		
The Helder ...	29.87	64	NNW	1	c	29.88	-0.1	74	58	-9	N	5	c	3	c	82	58	—		
SCANDINAVIA.																				
Brussels (9 a.m.)	29.84	74	2	0	b	29.80	-0.4	62	60	-12	ENE	1	0	4	b	88	58	—		
Cape Gris Nez	29.84	81	NNW	1	b	29.78	-0.6	72	60	-12	N	2	0	4	b	82	57	—		
Paris ...	29.84	73	N	3	f	29.78	-0.6	61	61	-11	NNW	1	c	4	b	91	65	—		
Brest ...	29.94	73	NNW	1	c	29.82	-0.1	64	62	-4	NNW	4	be	2	b	82	63	—		
Lorient ...	29.90	73	NNW	1	c	29.82	-0.1	64	62	-4	NNW	4	be	2	b	82	63	—		
SCANDINAVIA.																				
Rochefort ...	29.89	72	N	4	be	29.83	-0.6	66	64	-2	NNW	4	7	4	b	86	61	0.04		
Belfort ...	29.84	78	E	1	b	29.82	-0.2	69	61	-2	N	3	7	4	b	87	51	—		
Lyons ...	29.84	83	ENE	1	b	29.82	-0.2	71	60	0	E	1	be	4	b	90	61	—		
Nice ...	29.94	75	N	1	c	29.89	-0.5	69	62	-4	N	1	b	0	c	90	61	—		
Perpignan ...	29.96	70	NE	3	0	29.89	-0.7	68	62	-4	NNW	2	0	4	c	90	61	—		
Biarritz ...	29.98	66	NNW	6	t	29.92	-0.6	66	63	-8	N	5	7	2	c	92	63	0.05		
SCANDINAVIA.																				
Corunna ...	29.09	66	NNW	3	b	29.09	-0.2	67	63	-1	ENE	3	0	4	b	72	63	0.04		
Lisbon ...	29.09	66	NNW	3	b	29.09	-0.2	67	63	-1	ENE	3	0	4	b	72	63	0.04		

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Tuesday, 20th June, 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:

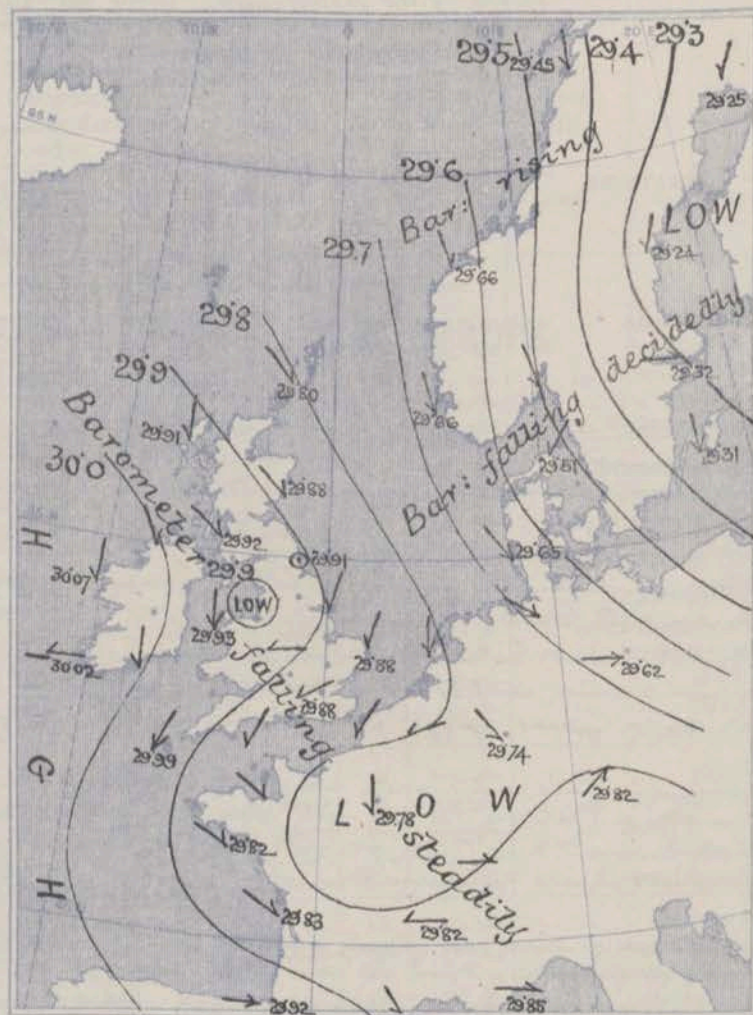
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.960
Liverpool	29.960
Parsonstown	29.972
Valencia	29.973
Roche's Point	29.973
Pembroke	29.974
Scilly	29.996
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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.

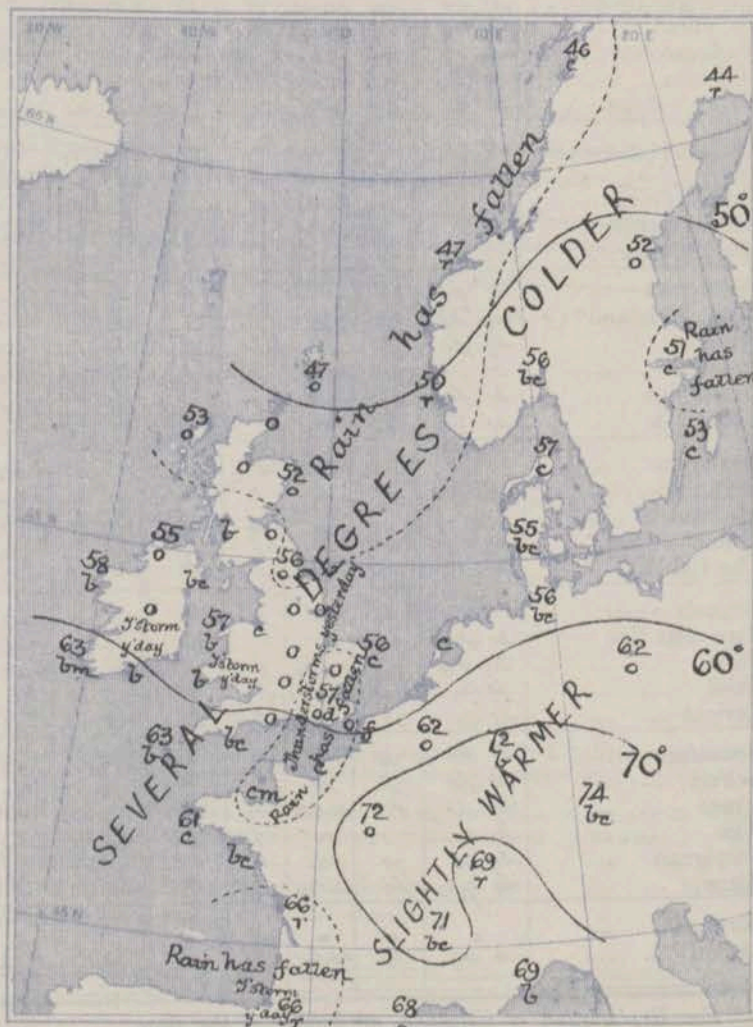
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	54.0	45.0	50.3	48.0	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.79
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.0	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	40.0	57.8	53.9	2.22
Ardrrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.0	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.30
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	50.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.4	56.9	54.0	1.88

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 upwards, in an anticyclone extending from the Atlantic over Ireland and a considerable portion of the Spanish Peninsula.
 Lowest, 29.3 in. and less, over the Gulf of Bothnia.
 Gradients moderate over Scandinavia and Denmark, slight elsewhere.
 Barometer falling generally, but rising again in Norway as well as at some of our own southernmost stations.

TEMPERATURE

Highest, 74° at Munich, 72° at Wiesbaden and Paris, 71° at Lyons, 69° at Belfort and Nice, and 68° at Jersey.
 Lowest, 44° at Haparanda, 46° at Bodo, 47° at Christiania and at Dunblough, 50° at Skutumpah, and 51° at Stockholm.
 During yesterday the thermometer rose to between 80° and 85° in many parts of England and also at Seith, in London and at Cambridge the maximum was 88°.

WIND

Light to fresh from the Nth or NWth over the west and north of our Islands, as well as Scandinavia and Denmark.
 E^{ly} or NE^{ly} over the greater part of England, but W^{ly} or NW^{ly} in France and Germany.

WEATHER

Fine in the west of our Islands, as well as in Denmark, Germany, and the south of France.
 Dull elsewhere, with drizzling rain in London, and with a steady fall at Haparanda, in the west of Norway, and in the southwest of France.
 Thunderstorms occurred yesterday over the eastern and southeastern parts of England as well as in South Wales and the south of Ireland, the accompanying rainfall being in some cases rather heavy. A little rain fell also on our north and northeast coasts.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A small shallow depression which is at present lying over the northwest of England seems likely to move southwards and to occasion rain in many places, with local thunderstorms.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

NWth to Nth winds, light or moderate;
 cloudy, some showers.
 Same as No. 5.
 Light breezes, chiefly Nth; dull,
 some rain, thunderstorms locally.

DISTRICTS.

FORECASTS.

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

Nth winds, moderate; fair to
 showery, 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.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dir.						Dry.	Wet.	Dir.			
Skudesnaes ...	29.84	55	51	WNW	6	c	2	Valencia ...	29.05	79	74	WNE	4	bm	4
Sumburgh Head ...	29.85	54	51	WNW	4	bc	3	Scilly ...	29.96	70	67	NNW	3	b	2
Stornoway ...	29.87	52	50	WNW	5	c	4	Jersey ...	29.93	71	66	E	1	b	0
Aberdeen ...	29.93	62	54	WNW	3	bc	3	Harst Castle ...	29.94	81	72	ESE	1	bm	0
Shields ...	29.93	64	62	ENE	3	c	2	Dungeness ...	29.95	60	66	ENE	2	b	1
Ardrossan ...	29.91	66	60	W	4	b	2	North Foreland ...	29.92	64	64	NE	1	b	2
Malin Head ...	29.11	61	58	WNW	2	c	2	London ...	29.92	80	70	W	1	c	2
Mullaghmore ...								Yarmouth ...	29.93	65	62	ESE	2	b	2
Belmullet ...	29.15	63	62	NE	2	c	2	Rocheport ...	29.95	60	73	N	2	b	2
Holyhead ...	29.07	60	58	N	2	mg	1								

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

Weather in morning still fine light and very warm over the eastern southern, and south-western parts of England and Ireland, as well as over France, Germany, southern Europe and several part of Russia; dull over Scandinavia, with rain in several places, cloudy and changeable over Scotland, the north of Ireland and the Irish Sea. Some rain later over Sweden, and the north and east of our Islands and slight falls at the Channel stations. Sharp thunderstorms in many southern localities. [Newspapers report them in some western localities also with heavy rain and hail.

Temperature still high over the south of England and north of France, but beginning to give way decidedly in Scotland and the north of Ireland, rising in Austria. Morning readings - highest 70° to 77° over many parts of the Mediterranean and southern Europe, and 70° or rather more over several parts of England and the southeast of Ireland, and exceeding 60° over Ireland, England, and Central Europe generally. Lowest 47° at Archangel, 50° at Christiansund, 53° at Lumburg, and 56° at Stornoway. Rising to between 80° and 88° over England later and to 90° or more in some part of France, but fall in north spreading steadily in a southerly direction.

Wind NW³ over the whole of eastern and many part of central and northern Europe, and moderate in force; N³ to W³ and variable over the whole of our Islands, NE³ to E³ in the south and over the Channel, E³ to SE³ over the Bay of Biscay. Very variable on the Mediterranean coast. Becoming very variable over France and the south of our Islands later, but N³ breeze spreading gradually to the southward over the ^{United} Kingdom and North Sea. Blowing strongly in gusts during some thunderstorms.

Barometer highest 30.2 in: and more to 30.1 in: over Ireland, the Irish Sea, the north-west of Great Britain and all adjacent parts of the Atlantic, and exceeding 30.1 in: over the Netherlands, North Germany, and the east of France, as well as in the south of Italy and Sicily. Lowest (1) about 29.2 in: over the north of Russia, and below 29.5 in: over nearly the whole of that country (2) 30.0 in: and less, over the Bay of Biscay. Gradients slight over England, France and western Germany, moderate elsewhere. Falling in western Europe later (most in France and the southeast of England), local disturbances being developed in latter districts.

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, 21st June, 1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. 4. 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.		Amount of Rainfall.	
	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).		Max.	Min.		
	Inch.	°				Inch.		°	°							°		Inch.	
SCANDINAVIA.	Haparanda ...	29.25	46	NNE	4	0	29.27	+0.2	50	48	+6	NNE	2	0	#	0	52	44	-
	Hernösand ...	29.32	53	Z	0	bc	29.45	+2.1	49	43	-3	NW	4	bc	#	bc	59	39	0.28
	Stockholm ...	29.41	51	?	2	bc	29.50	+0.8	52	45	+1	NW	4	b	#	bc	59	46	0.04
	Wisby ...	29.44	54	NW	4	b	29.55	+1.1	55	51	+2	NW	6	b	#	b	60	46	0.04
	Bodö ...	29.48	44	N	4	0	29.48	+0.3	47	45	+1	NNE	2	0	1	0	48	41	0.01
	Christiansund...	29.71	49	NW	5	0	29.68	+0.2	48	44	+1	NW	3	0	4	c	52	45	0.08
	Skudesnaes ...	29.70	51	NW	6	c	29.71	+0.5	49	46	-1	NW	6	0	0	bc, c	55	46	-
	Christiania Fjord (Færder)	29.51	60	NNE	5	b	29.68	+0.7	60	47	0	NNE	3	c	2	b	61	54	-
	Skagen (The Seaw)	29.53	50	SW	1	b	29.57	+0.6	60	53	+3	W	4	b	1	b	60	48	-
	Fanö ...	29.65	53	NW	4	c	29.69	+0.4	53	47	-2	NW	4	0	#	c	61	50	-
BRITISH ISLANDS.	Sumburgh Head	29.81	49	NW	1	0	29.80	-0.0	47	47	0	N	2	0	3	0	50	45	-
	Stornoway ...	29.90	55	N	3	0	29.87	-0.4	55	52	+2	Z	0	0	2	0	56	50	-
	Wick ...	29.89	52	NW	4	0	29.88	+0.1	53	51	0	NW	4	0	2	0	58	48	-
	Nairn ...	29.88	58	W	1	c	29.88	-0.3	55	51	+2	Z	0	0	1	c	59	49	-
	Aberdeen ...	29.68	55	NW	2	e	29.68	-0.0	53	48	+1	NW	2	0	1	0, c	56	50	-
	Leith ...	29.85	60	E	2	0	29.89	-0.2	55	51	-4	ENE	1	c	#	0	64	50	-
	Shields ...	29.88	56	ENE	2	0	29.88	-0.3	57	53	+1	ENE	2	c	2	0	61	50	-
	Spurn Head ...	29.85	56	E	2	ov	29.87	-0.3	55	51	-2	ENE	3	ov	3	ov	61	53	-
	York ...	29.85	61	E	2	0	29.88	-0.4	56	52	-1	E	1	0	#	0	64	53	0.02
	Loughborough	29.85	67	SE	1	bc	29.87	-0.5	60	55	+2	SW	1	bm	#	bc	69	51	-
GERMANY & HOLLAND.	Ardrossan ...	29.87	58	NW	3	c	29.87	-0.5	57	53	0	NW	1	0	1	b, c	62	47	-
	Malin Head ...	29.93	56	NW	4	og	29.92	-0.9	55	51	0	N	2	0	2	og	57	54	-
	Mullaghmore ...																		
	Belmullet ...	30.08	60	NW	3	b	29.99	-0.8	59	54	+1	N	1	c	#	b	62	52	-
	Donaghadee ...	29.91	58	NW	5	0	29.91	-0.6	58	56	-1	NW	5	bc	3	0	65	57	-
	Liverpool (Bidston)	29.87	60	NW	3	b	29.86	-0.4	57	53	-2	W	1	0	2	b	65	51	-
	Holyhead ...	29.91	56	N	3	b	29.89	-0.4	59	55	+2	NW	2	b	2	bc, b	59	53	-
	Parsonstown ...	29.96	65	SW	1	bc	29.94	-0.9	57	54	+1	Z	0	og	#	bc, o	67	50	-
	Valencia ...	30.00	64	N	4	bm	30.00	-0.2	58	54	-5	NE	2	om	2	bm	67	48	-
	Roche's Point	29.94	71	N	3	b	29.95	-0.6	60	55	-1	N	3	b	3	b	72	52	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.88	60	N	5	b	29.91	-0.3	58	55	+1	N	2	eg	1	b	62	51	-
	Scilly ...	29.93	63	N	4	bc	29.91	-0.8	63	56	0	NNE	1	bb	2	bc	63	55	-
	Prawle Point ...	29.83	61	S	1	bc	29.89	+0.4	59	58	-6	SSW	1	og	0	b	73	55	-
	Jersey (St. Aubin's)	29.81	67	N	3	b	29.89	+0.7	66	59	-2	E	3	b	3	b	74	55	-
	Hurst Castle ...	29.82	65	ENE	4	m	29.89	+0.4	61	57	0	SSW	2	c	1	om, m	66	56	-
	Dungeness ...	29.81	59	ENE	5	bc	29.88	+0.5	60	57	+3	ENE	2	0	1	c, bc	64	47	-
	North Foreland	29.81	57	NE	5	cq	29.86	+0.3	58	54	+1	NE	1	og	2	0, cq	60	52	-
	London ...	29.85	62	NE	2	0	29.89	+0.1	56	53	-1	Z	0	0	#	0, b	64	50	-
	Oxford ...	29.85	60	ENE	1	b	29.87	-0.1	57	54	-1	SE	1	od	#	0, b	66	54	-
	Cambridge ...	29.85	64	NW	2	0	29.89	0.0	56	54	-1	SE	1	0	#	0	66	52	0.02
GERMANY & HOLLAND.	Yarmouth ...	29.86	61	ENE	3	b	29.88	0.0	57	52	+1	N	2	bc	3	b	62	53	-
	Cuxhaven ...																		
	Berlin ...	29.73	56	NW	2	0	29.78	+0.16	55	49	-7	NW	2	0	#	0	62	52	-
	Wiesbaden ...						29.79	+0.5	60	53	-12	N	2	c	#	#	79	?	-
	Munich ...	29.73	63	NW	2	c	29.71	-1.1	55	55	-19	N	2	c	#	c	79	55	-
	The Hader ...	29.85	57	N	4	b	29.88	0.0	56	50	-2	N	2	c	2	b	59	55	-
	Brussels (9 a.m.)						29.86	+0.6	59	52	-3	ENE	2	c	#	0	71	50	-
	Cape Gris Nez	29.79	56	NE	5	c	29.86	+0.6	57	55	?	ENE	1	0	1	c	63	50	-
	Paris ...	29.73	61	S	2	0	29.84	+0.6	56	52	-16	NNE	3	b	#	tblr	82	54	1.50
	Brest ...		67	N	2	b	?	?	58	55	-3	N	3	b	2	b	75	54	-
FRANCE AND BELGIUM.	Lorient ...	29.78	73	N	5	b	29.89	+0.7	57	54	-7	N	3	b	2	b	77	55	-
	Rochefort ...	29.80	65	NW	5	r	29.84	+0.1	61	60	-5	N	4	b	#	0, tblr	70	59	0.43
	Belfort ...		73	N	1	c	?	?	59	58	-10	W	2	0	#	c	91	57	0.16
	Lyons ...	29.67	72	NW	1	0	29.77	-0.5	65	60	-6	NW	1	bc	#	0, ltr	86	56	-
	Nice ...	29.74	66	SW	2	c	29.64	-2.1	67	62	-2	E	1	b	2	c	77	59	-
	Perpignan ...	29.80	66	SW	2	r	29.81	-0.8	66	60	-2	NW	4	0	#	r	78	62	0.24
	Biarritz ...	29.88	66	W	5	r	29.90	-0.2	66	62	0	W	5	0	3	r	66	61	0.32
	Corunna ...																		
	Lisbon ...	30.04	65	NW	3	b	29.99	-1.0	66	62	-1	S	2	c	#	0, b	73	64	-

For Explanation of Columns, see bottom of last page.

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

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for 8 a.m. on Wednesday, 21st June, 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

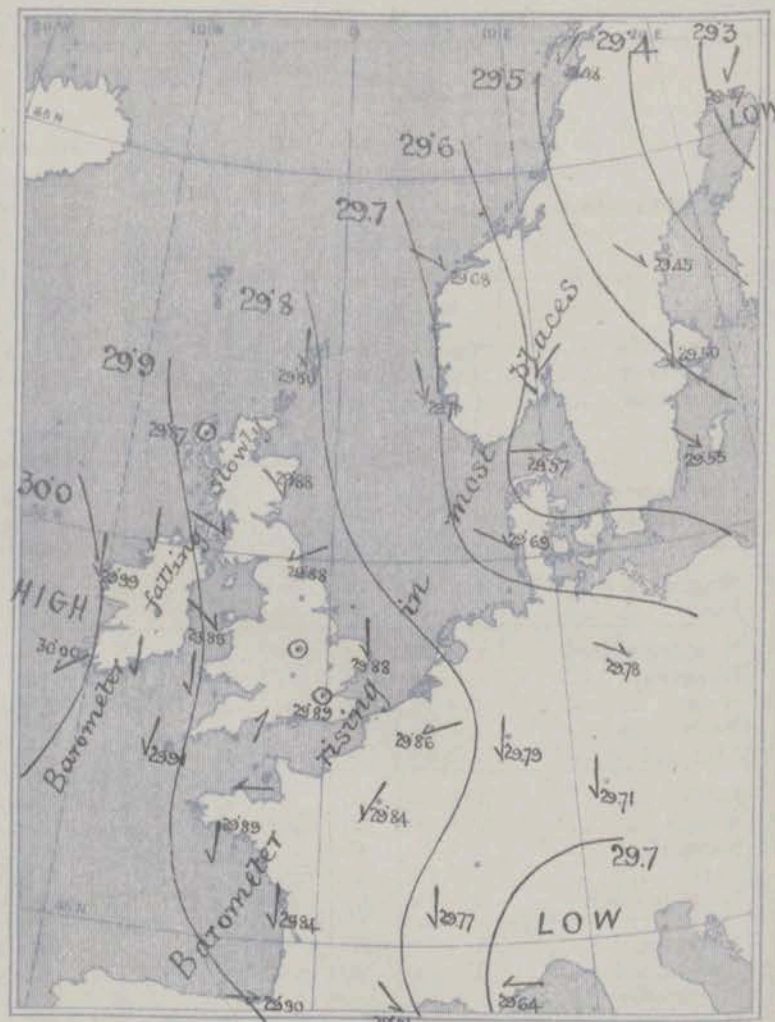
at 8.0 a.m. for the month of June.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
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Stornoway	29.876
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Valencia	29.975
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TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

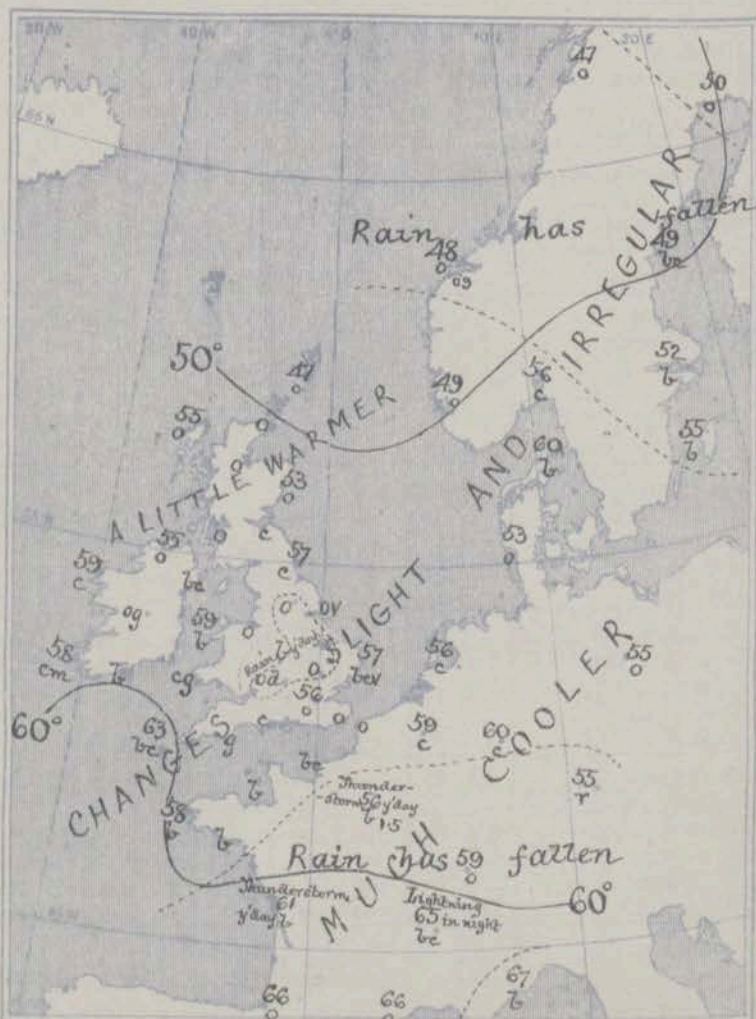
WEATHER—Is shown by Letters of the Beaufort Scale.

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 June.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet.	
Sunbury Head	54.6	43.0	50.3	48.6	1.98
Stornoway	58.0	43.9	53.7	51.1	2.85
Wick	58.9	43.3	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	60.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.0	2.22
Ardrossan	62.0	49.3	55.1	52.1	2.40
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.3	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.3	48.3	56.0	52.6	2.30
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prælle Point	61.3	50.5	56.9	54.8	1.60
Jersey	64.0	52.3	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Boyer	63.0	52.5	58.2	54.9	1.50
LONDON	60.1	50.6	58.0	54.0	2.11
Oxford	60.9	49.3	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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 upwards, in an anticyclone lying off the west of Ireland.
 Lowest, 29.3 in. and less, in the north of Sweden; 29.7 in. and less in the southeast of France.
 Gradients slight. Barometer falling slightly in the west and north of our Islands, but rising in most other localities.

TEMPERATURE

Highest, 67° at Nice, 66° at Jersey, Boulogne, Biarritz and Lisbon, 65° at Lyons, and 63° at Seilly.
 Lowest, 47° at Brest and Lumburg Head, 48° at Christiansund, 45° at Helsingfors and Skutumpah, and 50° at Haparanda.
 The maxima registered over our Islands yesterday were below 60° at several of our northern stations and below 70° on all but our extreme southwest coasts.

WIND

Light from the NE. on the east and southeast coasts of England, and from the S. at many of our central and southern stations.
 N. or NW. in most other parts of Western Europe, and fresh or strong in force over the south of Scandinavia.

WEATHER

Fine and bright in the west and north of our Islands as well as in France and Sweden.
 Cloudy or overcast elsewhere with drizzling rain at Oxford. Rain is also falling at Munich.
 Thunderstorms occurred yesterday in many parts of France, with heavy rain (1.5 in.) at Paris. Rain also fell in Scandinavia, and slight quantities at York and Cambridge, but over our Islands generally the weather remained dry.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The changes in pressure over our Islands are too slight to lead to any important alteration in the weather. The winds over England seems to indicate the presence of very shallow depressions over our western and central districts, so that local showers are not improbable.

FORECASTS

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

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NW ² and N ² winds, light; cloudy, local showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	Variable or NE ² breezes; fair generally, but perhaps local showers.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	N ² winds, light; fair generally.
9	IRELAND NORTH	Same as No 0 and 1.
10	IRELAND SOUTH	Same as No 8.
WARNINGS		None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.68	55	49	HW	8	bc	2	Valencia ...	30.02	67	62	H	3	bm	3
Sumburgh Head ...	29.82	49	47	HW	2	0	2	Scilly ...	29.93	61	56	ENE	5	bc	2
Stornoway ...	29.92	55	52	H	3	0	3	Jersey ...	29.83	70	66	NW	4	bc	3
Aberdeen ...	29.87	56	51	ENE	3	0	2	Hurst Castle ...	29.85	62	60	NE	2	om	0
Shields ...	29.89	61	56	ENE	3	C	2	Dungeness ...	29.81	62	59	ENE	5	e	4
Ardrossan ...	29.89	62	55	NW	3	6	2	North Foreland ...	29.85	58	54	ENE	4	0	4
Malin Head ...	29.95	56	52	HW	4	0	2	London (Westminster) ...	29.85	68	57	NE	2	og	3
Mullaghmore ...								Yarmouth ...	29.88	62	56	ENE	4	bd	3
Belmullet ...	30.06	61	56	HW	1	6	4	Rochefort ...	29.80	67	66	NW	5	0	*
Holyhead ...	29.94	58	52	H	4	bc	4								

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

Weather dull in the more northern, eastern, and central parts of Great Britain, with drizzling rain in London and at Oxford; rainy in the southwest of France and also in the west of Norway; dull over Germany and the western and northern parts of Russia, with rain at Rostau and Petersburg. Fine and bright in the west and southwest of our Islands, as well as over the greater part of southern and eastern Europe. Light rain falling later at one or two English stations, and larger amounts in Scandinavia; thunderstorms occurring in France, with heavy rain (1.5 ins) at Paris.

Temperatures fallen in most of the western and northern countries, as well as in Austria, but risen elsewhere. Morning readings highest 73° at Barcelona, 71° at Lhas, and 70° at Brindisi, above 70° in many parts of central and southern Europe. Lowest 44° at Archangel and Haparanda, 46° at Porto, and 47° at Christianund and Sumburgh Hd.; below 55° over the extreme northern part of our Islands and the Continent generally. Daily maxima over our Islands below 70° at all but the southwestern stations, and below 60° in several parts of our northern districts. Thermometers exceeding 80° over Central France and reaching 91° at Belfort.

Wind light to fresh from the N^W or NW^W over the greater part of western and northern Europe, but E³ or NE³ at many of the English stations. Fresh from the W² over North Germany, light from the SW² over the southern and eastern part of Germany and the central parts of Russia. Variable in Italy, SE³ in Algeria and the south of Spain. Subsequently increasing to gale from the N² in the southwest of Norway; no important change occurring elsewhere.

Barometer highest 30.1 ins. and upwards in the south of Spain; 30.0 ins. and upwards, in a large anticyclone extending from the Atlantic over Ireland and a considerable portion of the Iberian Peninsula. Lowest 29.2 ins. and less, in a large depression over Finland and Lapland. Barometer falling slowly over western Europe during day, but no important change occurring in general distribution of pressure.

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, 22nd June,

1893

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

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.	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.		
	Inch.	°				Inch.		°	°									Inch.		
SCANDINAVIA.																				
Haparanda ...	29.29	46	HW	2	r	29.40	+13	53	50	+3	SW	2	c	#		59	43	0.12		
Hernösand ...	29.43	48	W	4	c	29.45	00	51	44	+2	W	2	b	#		57	41	-		
Stockholm ...	29.52	55	2	0	b	29.49	-01	54	50	+2	NNE	2	0	#		61	46	-		
Wisby ...	29.68	58	SSW	4	c	29.56	+01	56	51	+1	W	4	0	#		64	50	-		
Bodö ...	29.54	49	2	0	b	29.51	+03	48	45	+1	SW	2	bc	1		50	45	-		
Christiansund...	29.65	46	HNW	2	0	29.63	-05	48	44	0	SSW	1	c	3		50	45	0.16		
Skudesnaes ...	29.65	49	HW	6	0	29.57	-14	53	47	+4	HNW	6	b	2		53	48	-		
Christiania Fjord (Færder)	29.49	59	SW	4	c	29.44	-09	49	47	-7	NE	8	0	3		64	49	-		
Skagen (The Scaw)	29.51	52	HSW	3	0	29.45	-12	56	50	-4	W	6	bc	3		64	50	-		
Fanø ...	29.69	53	W	6	c	29.65	-04	54	50	+1	W	6	c	#		55	50	-		
Sumburgh Head	29.75	48	HNW	1	0	29.61	-19	48	47	+1	HNW	1	0	1		49	44	-		
Stornoway ...	29.80	57	HW	3	0	29.64	-23	50	49	-5	W	4	0	4		58	45	0.20		
Wick ...	29.82	53	HW	3	0	29.64	-24	49	48	-14	NE	2	0	0		57	42	0.02		
Nairn ...	29.77	65	2	0	c	29.60	-28	53	53	-2	ESE	2	0	2		65	50	0.20		
Aberdeen ...	29.82	53	SE	2	bc	29.59	-29	51	50	-2	NE	1	0	1		61	50	0.00		
Leith ...	29.78	60	E	1	b	29.59	-30	56	52	+1	2	0	om	#		64	50	-		
Shields ...	29.84	56	E	3	b	29.63	-25	54	52	-3	SSW	2	0	2		62	50	-		
Spurn Head ...	29.84	57	ESE	2	c	29.64	-23	58	55	+3	SSE	2	0	3		59	54	-		
York ...	29.84	61	ESE	3	bc	29.65	-23	54	51	-2	S	1	0	#		64	51	-		
Loughborough	29.81	65	NNE	1	b	29.67	-20	60	56	0	2	0	cm	#		68	52	-		
BRITISH ISLANDS.																				
Ardrossan ...	29.79	63	W	3	b	29.60	-27	55	52	-2	W	1	0	1		66	48	-		
Malin Head ...	29.85	58	HNW	2	0	29.68	-24	55	52	0	HW	3	op	2		62	53	0.02		
Mullaghmore ...																				
Belmullet ...	29.91	61	HW	2	bc	29.71	-28	57	55	-2	HNW	1	0	#		63	54	0.01		
Donaghadee ...	29.83	62	N	3	b	29.65	-26	58	56	0	W	3	c	1		65	58	-		
Liverpool (Bldston)	29.82	64	HW	1	b	29.65	-21	57	52	0	W	1	0	2		63	53	-		
Holyhead ...	29.84	57	HNW	1	c	29.67	-24	61	56	+2	2	0	bc	0		61	49	-		
Parsonstown ...	29.85	63	2	0	c	29.70	-24	56	53	-1	SW	1	0	#		66	44	-		
Valencia ...	29.92	63	HNW	5	bcq	29.86	-14	60	57	+2	HNW	2	c	2		65	52	-		
Roche's Point	29.88	66	H	2	b	29.72	-23	60	55	0	HNW	3	b	2		67	55	-		
Pembroke (St. Ann's Hd.)	29.86	57	HW	2	b	29.69	-22	59	56	+1	W	1	b	1		63	55	-		
Scilly ...	29.85	62	N	3	b	29.72	-19	63	58	0	HNW	4	bc	2		67	55	-		
Prawle Point ...	29.83	61	SSW	1	b	29.72	-17	59	55	0	SSW	2	b	1		65	51	-		
Jersey (St. Aubin's)	29.85	68	HW	2	b	29.73	-16	63	57	-3	HW	3	b	3		72	54	-		
Hurst Castle ...	29.85	65	SSW	2	b	29.71	-18	61	58	0	HNW	2	bc	1		67	50	-		
Dungeness ...	29.87	60	E	1	c	29.72	-16	63	61	+3	S	4	c	3		64	57	-		
North Foreland	29.85	58	SE	3	0	29.69	-17	62	58	+4	S	3	b	3		62	54	-		
London ...	29.83	66	E	1	0	29.69	-20	63	59	+7	SW	2	bc	#		69	49	-		
Oxford ...	29.79	64	SW	1	0	29.67	-20	61	55	+4	SW	1	bc	#		68	53	0.02		
Cambridge ...	29.87	60	E	3	r	29.68	-21	61	56	+5	SSE	2	bc	#		67	49	0.03		
Yarmouth ...	29.87	58	ESE	2	bc	29.70	-18	61	54	+4	SW	3	bc	3		61	54	0.02		
GERMANY & HOLLAND.																				
Cuxhaven ...	29.83	56	HNW	1	c	29.75		56	53		W	3	0	#		60	55	-		
Berlin ...	29.77	61	HNW	1	c	29.79	+01	59	51	+4	W	2	0	#		64	54	-		
Wiesbaden ...						29.84	+05	59	52	-1	HNW	1	b	#		70	57	-		
Munich ...	29.86	56	SW	3	0	29.88	+17	60	50	+5	SW	2	c	#		61	52	0.55		
The Helder ...	29.89	56	HW	1	c	29.82	-06	58	53	+2	HSW	1	c	2		59	54	-		
FRANCE AND BELGIUM.																				
Brussels (8 a.m.)						29.79	-07	61	53	+2	SW	1	b	#		67	48	-		
Cape Gris Nez	29.86	60	E	1	bc	29.73	-12	60	53	+3	S	3	b	2		63	52	-		
Paris ...	29.84	65	W	2	b	29.80	-04	59	52	+3	ESE	2	b	#		70	48	-		
Brest ...		64	N	3	b			57	54	-1	N	1	b	2		66	52	-		
Lorient ...	29.82	68	W	4	b	29.76	-13	57	54	0	N	4	bc	2		73	55	-		
Rocheport ...	29.84	68	HNW	4	0	29.78	-06	63	61	+2	W	3	c	#		72	59	-		
Belfort ...		63	E	3	bc			60	52	+1	E	3	b	#		68	48	0.08		
Lyons ...	29.75	73	NNE	1	bc	29.82	+05	67	59	+2	E	1	b	#		79	56	-		
Nice ...	29.64	68	SE	2	c	29.75	+11	68	62	+1	2	0	bc	0		75	57	-		
Perpignan ...	29.81	77	HW	5	b	29.84	+03	72	64	+6	2	0	bc	#		80	60	-		
Biarritz ...	29.89	71	HNW	3	b	29.85	-05	63	60	-3	NE	4	0	2		72	57	-		
PENINSULA.																				
Corunna ...																				
Lisbon ...	29.93	67	SSW	4	0	29.90	-09	62	61	-4	SW	5	+	#		70	63	0.20		

For Explanation of Abbreviations see bottom of last page.

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, 22nd June, 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.

○—dull calm.

SEA DISTURBANCE—Where considerable, is shown thus:

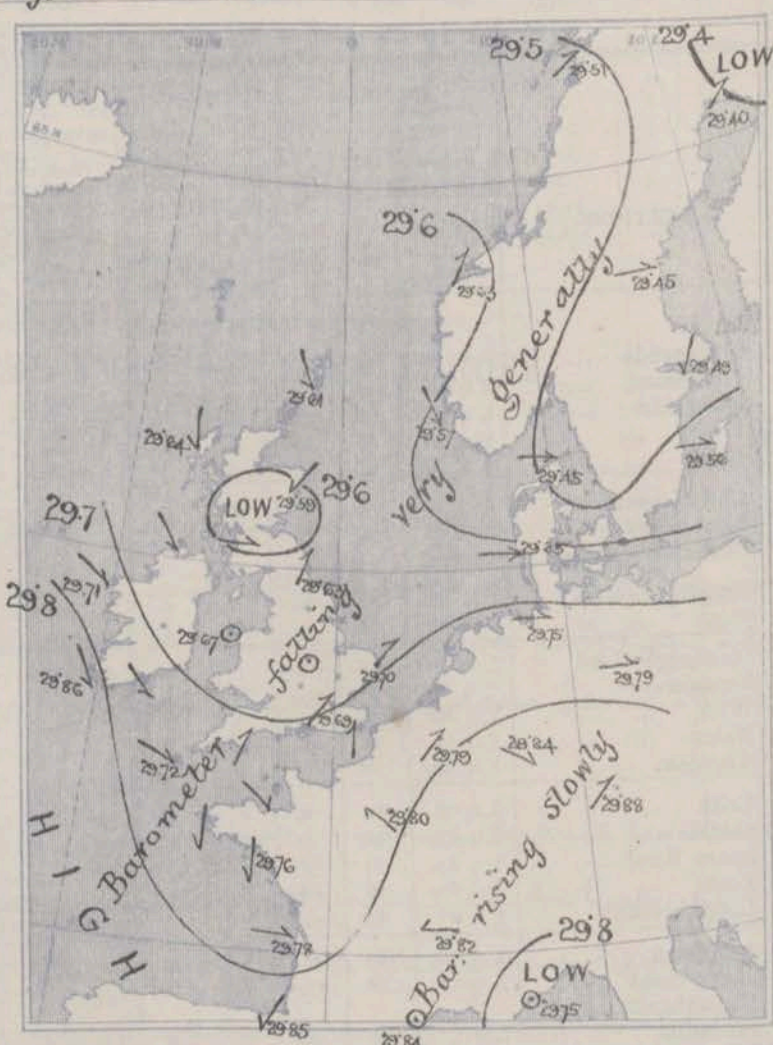
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.910
Leith	29.920
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.982
Mullaghmore	29.938
Dunagladie	29.948
Holyhead	29.960
Liverpool	29.960
Parsnestown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.996
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.980
Cambridge	29.985
Yarmouth	29.977



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.

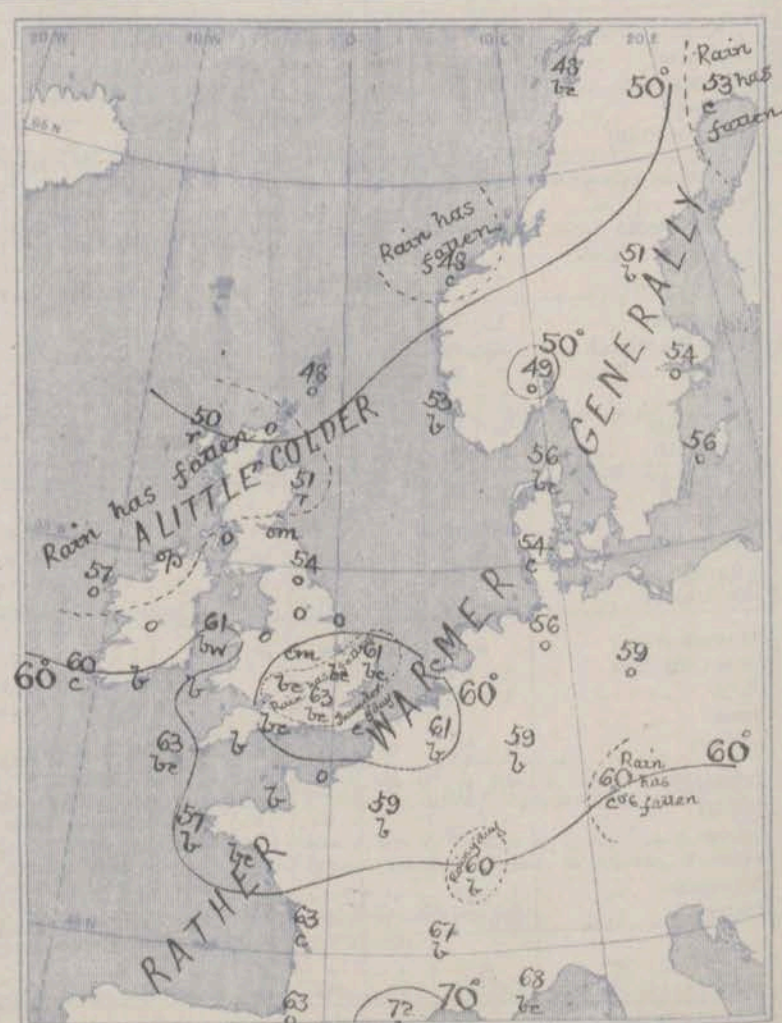
WEATHER—is shown by Letters of the Beaufort Scale.

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 June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet	
Sumburgh Head	54.0	45.0	50.3	48.6	1.98
Stornoway	53.0	43.9	53.3	51.1	2.85
Wick	53.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.0	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Dunagladie	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsnestown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.0	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.0	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	50.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.9 in. and less, over the southern parts of the Spanish Peninsula.

Lowest, 29.4 in. and less, in the north of Sweden; 29.6 in. and less, in a shallow depression lying over Scotland.

Gradients slight. Barometer falling steadily in most parts of Northern Europe, but rising in Germany and the south of France, as well as in the north of Sweden.

TEMPERATURE

Highest, 72° at Perpignan, 68° at Nice, 67° at Lyons, and 63° at Seilly, Buzeniville, London, Jersey, and Rochefort.

Lowest, 48° at Boos, Christiansund and Lumburg Road, 49° at Lander and Wiek, 50° at Bornoway, and 51° at Hinnerund and Aberdeen.

The highest maxima registered over our Islands yesterday were 72° at Jersey, 69° in London, and 68° at Loughborough and Oxford.

WIND

Light from the NE^{ly} in the north of Scotland and from the NW^{ly} in Ireland, the southwest of England and the west of France; S^{ly} or SW^{ly} over the eastern and southern parts of England.

Strong from the N^{ly} in the south of Norway, with a gale at Trondheim, and from the W^{ly} in Denmark; light from the W^{ly} in Germany; calm or variable in the south of France.

WEATHER

Dull over the northern parts of the United Kingdom with rain in Scotland; dull also in North Germany and at Buxtehude, rainy at Lirbow. Fine in most other parts of Western Europe.

A little rain fell yesterday in the southeast of England, with thunder at the North Foreland. At Stenoway and Narvik 0.2 in. of rain was measured this morning.

SEA

Light or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over Scotland seems likely to move eastwards or possibly south-eastwards, and showery weather is probable over England, with thunder in places.

FORECASTS

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

DISTRICTS.

FORECASTS.

6	SCOTLAND NORTH	N ^{ly} and NE ^{ly} winds, moderate; dull and rainy at first, but improving later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S ^{ly} to W ^{ly} or NW ^{ly} winds; dull, some rain.
3	ENGLAND EAST	Same as N ^o 5.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	S ^{ly} to W ^{ly} winds, moderate; changeable, some showers, possibly thunder.



DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	W ^{ly} to NW ^{ly} winds, light or moderate, cloudy, showery.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NW ^{ly} winds, light or moderate; fair to unsettled and showery.
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.	P.	WEA.	SEA.		BAR.	THER.		WIND.	P.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.69	53	48	Ad	6	c	2	Valencia ...	29.96	68	59	W	2	bom	2
Sumburgh Head ...	29.79	48	47	W	2	o	3	Scilly ...	29.90	65	58	W	2	b	2
Stornoway ...	29.88	53	53	S	3	r	3	Jersey ...	29.88	71	69	ESE	2	b	2
Aberdeen ...	29.85	54	51	W	2	c	1	Hurst Castle ...	29.88	66	61	W	3	b	1
Shields ...	29.87	61	55	W	3	b	3	Dungeness ...	29.88	61	58	ESE	1	c	1
Ardrossan ...	29.83	66	57	W	1	b	1	North Foreland ...	29.85	60	56	ESE	2	c	2
Malin Head ...	29.89	62	57	W	1	c	1	London ...	29.86	64	58	W	1	og	*
Mullaghmore ...								Yarmouth ...	29.88	60	54	W	3	b	3
Belmullet ...	29.94	61	57	W	2	o		Rochefort ...	29.86	70	67	W	4	b	*
Holyhead ...	29.86	60	56	W	2	c	2								

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

Weather fine and bright at many of our own western stations, as well as over France, Spain, Sweden, the Baltic, Austria, and the south of Russia. Dull elsewhere, with drizzle at Oxford, and with steady rain at Kiofis, Crauw, Lemberg and Munich. Showers falling later in the southeast of England, with thunder at the North Foreland; rain setting in at night over the north of Scotland.

Temperatures fallen quickly in Germany, but changed irregularly elsewhere. Morning readings highest 78° at Brindisi and 76° at Barcelona, and 75° at Liphorn, Algiers, La Cella and Malta, above 70° at most of the Mediterranean and Adriatic stations. Lowest 47° at Boco and Lumburg 11°, and 48° at Archangel, Kiofis, and Christianund, below 55° over northern Europe generally and also in the north of Scotland. Rising during day to between 65° and 63° over the inland part of England and reaching 72° at Jersey. Exceeding 70° at most of the French stations, the highest reading of all being 80° at Perpignan.

Wind light to moderate from the N^o or NW^o in the west and north of our Islands, as well as in France, Germany, Denmark and Scandinavia, but S^o over the central and southern part of England. Light from the W^o or SW^o over the southern part of Russia, variable in Spain and Italy. Subsequently shifting to the S^o or SE^o in the east of Scotland, no important change occurring elsewhere.

Barometer highest 30.0 in: and upwards in an area lying to the westward of our Islands, and also in a small system lying over the south of Spain. Lowest 29.2 in: and less, in a depression over the north of Russia; 29.6 in: and less, in another system lying over eastern Austria. Barometer falling slowly in our Islands during day, and shallow depression appearing over central Scotland in evening.

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 8 p.m. in the British Islands (as a rule), and France, 9 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on

Friday, 23rd June,

1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	Barom.	Temp.	Wind.	Force	Weather.	Barometer.	Shade Temp.	Wet Bulb.	Change in	Wet Bulb.	Change in	Wet Bulb.	Force	Weather.	Sea	Weather.	Max.	Min.	Amount
	Reading at 32° F. and Sea Level.	Dry Bulb.	Dirac.	(0 to 12).		Reading at 32° F. and Sea Level.	Dry Bulb.	Wet Bulb.	Change in	Dry Bulb.	Change in	Dry Bulb.	(0 to 12).		(0 to 9).				of Rainfall.
	Inch.	°				Inch.	°	°	°	°	°	°							Inch.
SCANDINAVIA.	Haparanda ...	29.50	50	E	2	†	29.65	+25	50	49	-3	SSW	2	c	†	†	59	45	-
	Herrnland ...	29.58	50	SW	2	0	29.58	+13	55	51	+4	SW	2	c	†	†	61	54	-
	Stockholm ...	29.59	53	S	2	c	29.65	+16	57	54	+3	S	2	0	†	†	57	48	0.04
	Visby ...	29.63	55	SSW	4	†	29.69	+13	59	53	+6	SSW	2	0	†	†	61	52	-
	Bodö ...	29.56	52	N	1	bc	29.60	+59	50	48	+2	L	0	b	0	bc	54	45	-
	Christiansund...	29.64	50	NE	3	0	29.62	+01	51	47	+4	NE	3	bc	3	†	52	45	-
	Skudesnaes ...	29.57	52	W	2	0	29.51	-06	54	49	+5	EHE	1	0	0	0	55	40	-
	Christiania Fjord (Færdar)	29.54	59	W	0	c	29.57	+08	58	53	+5	SSW	4	c	2	†	50	49	-
	Skagen (The Scaw)	29.53	59	SW	4	c	29.56	+11	58	52	+6	SSW	1	c	0	†	63	48	-
	Fanø ...	29.54	53	SE	1	c	29.58	-27	56	53	+3	SE	4	c	†	†	59	52	-
BRITISH ISLANDS.	Sumburgh Head	29.58	48	NE	2	†	29.53	-08	50	50	+2	NE	3	0	3	0,†	52	45	0.06
	Stornoway ...	29.61	50	NE	6	0	29.57	-07	51	49	+2	NE	6	bc	5	†	52	45	0.20
	Wick ...	29.57	48	NE	3	†	29.52	-12	50	49	+1	NE	4	0	3	†	50	42	0.22
	Nairn ...	29.54	49	EHE	2	†	29.47	-13	50	50	-3	EHE	3	0	4	†	58	46	0.58
	Aberdeen ...	29.47	50	NE	5	0†	29.39	-20	48	43	+5	EHE	6	0q†	6	0†	54	47	1.57
	Leith ...	29.42	54	W	1	†	29.30	-29	50	49	-6	W	4	†	†	†	59	47	0.60
	Shields ...	29.45	58	W	3	op	29.24	-39	52	51	-2	EHE	1	†	2	p,0,†	61	48	0.15
	Spurn Head ...	29.44	61	W	1	cm	29.27	-37	55	52	-3	W	2	0	2	cm,p	63	51	0.05
	York ...	29.46	60	W	1	0	29.27	-38	55	52	+1	W	2	c	†	†	64	50	0.09
	Loughborough	29.49	61	W	1	0	29.33	-34	55	51	-5	W	3	c	†	†	69	51	0.23
GERMANY & HOLLAND.	Ardrossan ...	29.44	56	W	1	d	29.39	-21	49	48	-6	W	3	†	2	0,d	58	46	0.26
	Malin Head ...	29.53	58	W	5	op	29.49	-19	51	48	-4	W	6	cp	4	0,p	56	49	0.04
	Mullaghmore ...	29.63	59	W	5	c	29.65	-06	55	50	-2	W	6	c	†	bc,c	61	49	0.04
	Belmullet ...	29.49	56	W	3	cp	29.42	-23	49	49	-9	W	6	†	4	c	62	49	0.06
	Donaghadee ...	29.50	55	W	2	†	29.30	-35	51	48	-6	W	5	0	5	†	64	50	0.08
	Liverpool (Bldston)	29.51	55	W	1	cp	29.38	-29	52	49	-9	W	5	cq	4	c,p	64	50	0.12
	Holyhead ...	29.53	59	W	1	c	29.58	-12	53	50	-3	W	2	0	†	0,c,0	64	44	0.14
	Parsonstown ...	29.63	60	W	4	bc,q,p	29.69	-07	57	54	-3	W	6	cq	5	com,q,p	65	52	0.03
	Valencia ...	29.56	62	W	3	c	29.60	-12	56	51	-4	EHE	4	b	3	c	66	50	-
	Roche's Point	29.56	62	W	3	c	29.60	-12	56	51	-4	EHE	4	b	3	c	66	50	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.55	58	W	3	c	29.48	-21	53	51	-6	W	4	bc	4	c	63	50	-
	Scilly ...	29.63	64	W	4	bc	29.54	-18	59	53	-4	W	5	cp	3	bc	66	52	-
	Prawle Point ...	29.58	62	W	5	b	29.46	-26	60	54	+1	W	5	b	4	b,p	64	54	0.01
	Jersey (St. Aubin's)	29.66	62	W	3	b	29.49	-24	62	58	-1	W	4	ogm	3	bc,b	65	56	-
	Hurst Castle ...	29.58	61	W	6	bc	29.38	-33	59	57	-2	W	5	bc	3	bc,†	66	58	0.02
	Dungeness ...	29.50	61	W	5	0	29.36	-36	58	57	-5	W	5	op	4	0	67	57	0.02
	North Foreland	29.48	63	W	3	c	29.34	-35	59	57	-3	W	5	ogq	3	p,cq	70	54	0.08
	London ...	29.52	65	W	1	0	29.34	-35	56	55	-7	W	1	†	†	c,†	73	54	0.34
	Oxford ...	29.49	61	W	2	0	29.34	-33	56	51	-5	W	4	c	†	bc,0,†	68	53	0.18
	Cambridge ...	29.48	65	W	4	c	29.30	-38	56	56	-5	SSW	1	0	†	c	75	52	0.24
PRUSSIA.	Yarmouth ...	29.47	60	SSW	5	b,†	29.31	-39	57	58	-4	SW	2	†	3	bc,†	65	53	0.12
	Cuxhaven ...	29.72	58	W	1	c	29.45	-30	58	56	+2	SSW	3	0	†	c	63	56	-
	Berlin ...	29.73	62	SSW	1	b	29.58	-21	64	55	+5	SE	3	0	†	b	68	54	-
	Wiesbaden ...	29.78	63	S	3	bc	29.59	-25	63	60	+4	S	2	0	†	†	73	48	0.16
	Munich ...	29.78	63	S	3	bc	29.71	-17	65	63	+5	SW	1	0	†	bc	72	52	-
	The Helder ...	29.78	63	S	3	bc	29.71	-17	65	63	+5	SW	1	0	†	bc	72	52	-
	Brussels (8 a.m.)	29.54	58	W	4	0	29.49	-30	59	53	-2	SW	3	0	†	0	77	54	-
	Cape Gris Nez	29.61	71	SSW	3	0	29.43	-30	57	55	-3	W	5	0	†	0	72	52	0.04
	Paris ...	29.61	71	SSW	3	0	29.43	-30	57	55	-3	W	5	0	†	0	72	52	0.04
	Brest ...	29.61	71	SSW	3	0	29.43	-30	57	55	-3	W	5	0	†	0	72	52	0.04
GERMANY & HOLLAND.	Lorient ...	29.61	71	SSW	3	0	29.43	-30	57	55	-3	W	5	0	†	0	72	52	0.04
	Rocheport ...	29.70	63	W	2	0	29.63	-15	62	61	-1	S	3	0	†	0	70	59	-
	Belfort ...	29.73	73	W	3	bc	29.63	-15	62	61	-1	S	3	0	†	0	70	59	-
	Lyons ...	29.67	75	S	1	0	29.64	-18	62	60	-5	EHE	1	0	†	0	73	57	0.04
	Nice ...	29.75	72	W	0	bc	29.78	+03	66	64	-2	SE	2	c	2	bc	75	61	-
	Perpignan ...	29.69	72	W	2	0	29.60	-24	70	66	-2	E	3	c	†	0	78	62	-
	Barritz ...	29.73	63	S	1	0	29.63	-22	64	62	+1	W	5	†	0	0	78	61	0.20
	Corunna ...	29.83	63	W	4	bc	29.93	+03	66	61	+4	W	5	0	†	†	68	61	0.91
	Lisbon ...	29.83	63	W	4	bc	29.93	+03	66	61	+4	W	5	0	†	†	68	61	0.91
	Lisbon ...	29.83	63	W	4	bc	29.93	+03	66	61	+4	W	5	0	†	†	68	61	0.91

For Explanation of Columns, see bottom of last page.

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

Erratum. The Bar. reading at Valencia for 8AM yesterday should read "29.76."

WEATHER CHARTS

for 8 a.m. on Friday, 23rd June, 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

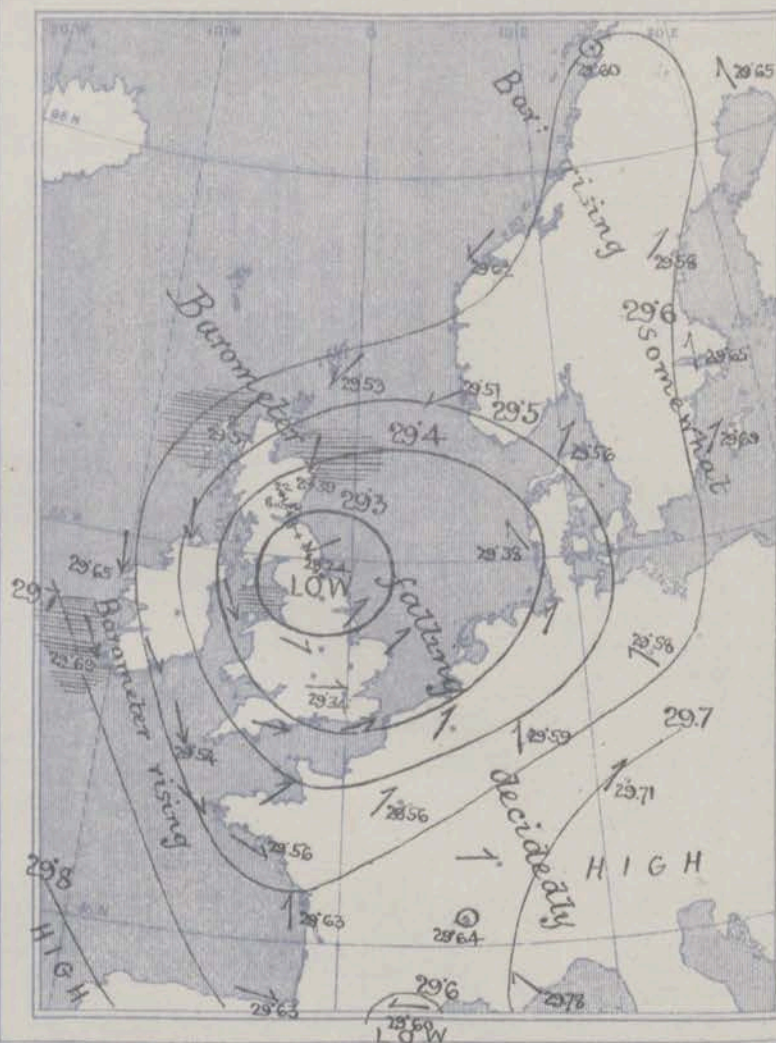
at 8.0 a.m. for the month of June.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrassan	29.982
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Silly	29.990
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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.

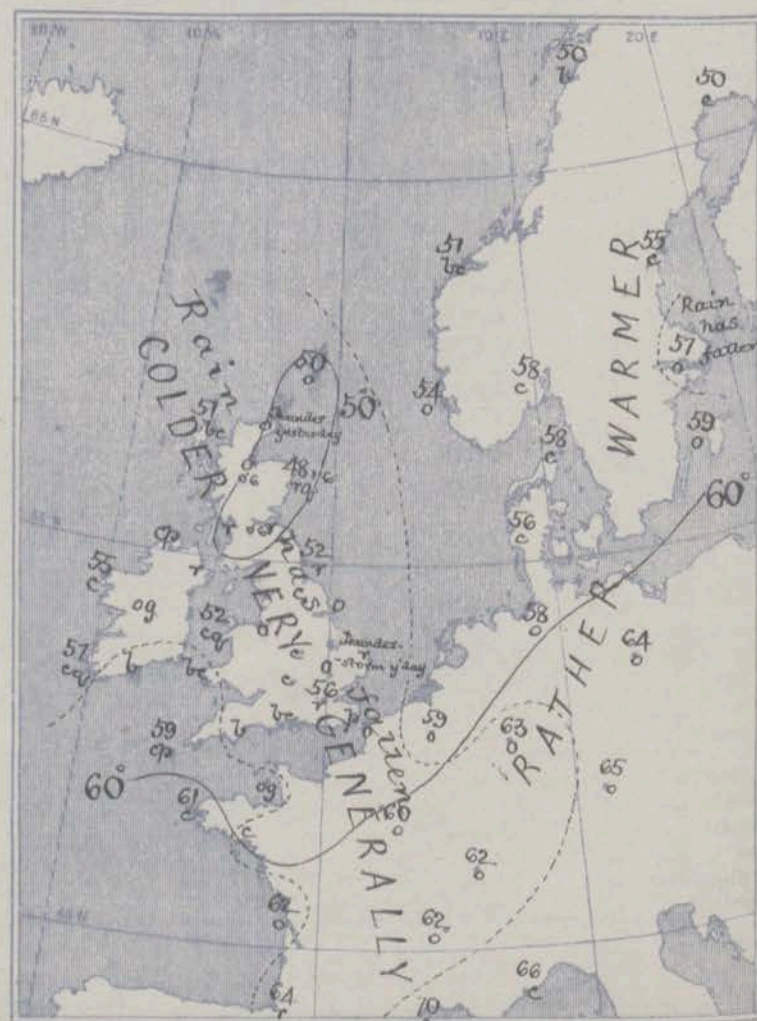
WEATHER—is shown by letters of the Beaufort Scale.

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 June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.0	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.0	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	60.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrassan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.80
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Silly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	50.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.9 ins. and upwards in Portugal.

Lowest, 29.3 ins. and less, in a depression lying over the north of England and the adjacent parts of the North Sea.

Gradients moderate over the north and west of our Islands; but slight elsewhere.

Barometer rising on our south-west coasts as well as in Sweden and the north of Denmark, falling in nearly all other localities, — most in the east of England.

TEMPERATURE

Highest, 70° at Perpignan, 66° at Nice and Lisbon, 65° at Munich, 64° at Berlin and Rhenish, and 63° at Westbaden.

Lowest, 48° at Aberdeen, 49° at Anderson and Donaghadee, and 50° at Kefaranda, Bodo, Larnagh, Wick, Kilmartin and Perth.

During yesterday, the thermometer over the southeastern parts of England rose to between 70° and 75°; on our extreme north and north-west coast it did not reach 60°.

WIND

Light from the NE^{ly} in the west of Norway, and moderate to strong from the same quarter in Scotland.

Fresh to fresh from the N^{ly} or NW^{ly} on the west coasts of our Islands and France, and from the W^{ly} on the eastern parts of the Channel.

SW^{ly} over the Netherlands and the east of England; S^{ly} or SE^{ly} in Sweden, Denmark, and North Germany.

WEATHER

Fine at some of our extreme southern and southern stations, but cloudy or overcast in all other parts of the United Kingdom, with rain in many of the northern and western districts.

Dull in France and Germany, with rain at Rheims; fair at most of the Scandinavian and Danish stations. Since yesterday morning rain has fallen in all but the south-western parts of the United Kingdom; over England the largest amount reported this morning is 0.34 inch (in London), but at Aberdeen there has been as much as 1.6 ins. A thunderstorm occurred yesterday at Plymouth, and thunder was heard at Wick.

SEA

Rough at Aberdeen, and rather rough at Stromness, Liverpool, and Valence (Ireland) moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over our Islands seems likely to move away slowly in an easterly direction, but further showers are probable in many places, with some reduction in temperature over England.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

NE^{ly} winds, strong; squally and showery to fair.

Variable breezes, finally N^{ly}; drizzle, rain at times.

Same as No 5.

W^{ly} to NW^{ly} winds, moderate or fresh; changeable, showery, possibly thunder.

DISTRICTS.


FORECASTS.


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

NW^{ly} and N^{ly} winds, fresh or strong; squally, showery.

WARNINGS

None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.		BAR.	THER.		WIND. Direc.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	?	55	49	?	14	c	2	Valencia ...	29.69	61	59	HW	3	om	8
Sumburgh Head ...	29.58	50	50	HW	2	o	2	Scilly ...	29.68	66	59	W	4	bc	2
Stornoway ...	29.62	52	48	HE	5	o	4	Jersey ...	29.69	63	58	HW	3	c	3
Aberdeen ...	29.51	51	50	E	2	o	2	Hurst Castle ...	29.61	64	60	HW	5	bc	2
Shields ...	29.51	58	55	ESE	2	o	2	Dungeness ...	29.59	61	60	HW	3	op	3
Ardrossan ...	29.50	58	54	HW	2	o	1	North Foreland ...	29.58	65	57	SW	5	r	3
Malin Head ...	29.51	53	52	H	4	o	2	London (Westminster) ...	29.55	70	59	W	2	c	3
Mullaghmore ...	29.64	61	56	HW	2	bc	1	Yarmouth ...	29.51	62	58	SSE	5	bc	3
Belmullet ...	29.56	58	54	HW	1	c	1	Rocheport ...	29.71	68	66	WSW	2	o	1
Holyhead ...	29.56	58	54	HW	1	c	1								

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

Weather dull over the northern part of the United Kingdom, with rain in the north of Scotland, dull also over Spain, Germany, Austria and the northern and central part of Russia, with rain at Lisbon, Cracow, Archangel and Kuopio. Fair or fine in nearly all other parts of Russia. Heavy rain falling in the east of Scotland latter (1 in. at Aberdeen) and smaller quantities in most other parts of our Islands and shores. Thunderstorm occurring at Yarmouth, and distant thunder heard at Wick.

Temperature changed very irregularly. Morning readings highest 81° at Palma, 79° at Algiers, 78° at Fez, 76° at Oram, and 75° at Barcelona and La Caba; above 65° in nearly all parts of northern and eastern Europe, and above 60° in the south of our Islands. Lowest 47° at Archangel, 48° at Odso, Chirkovsk, Lemberg H⁴ and St. Petersburg, and 49° at Wick, below 55° at most of the northern stations both over our Islands and the Continent. Remaining below 60° all day on our extreme north and northwest coasts, but rising to between 70° and 75° over the southeastern parts of England. Exceeding 75° in many parts of France and Belgium, and reaching 83° at Lyons.

Wind light or moderate from the NEnd or Nnd in the north of Scotland and from the NWnd on the west coasts of our Islands and France; S¹ or SW¹ over the eastern and southern parts of England. SW¹ over Russia and the northern parts of Scandinavia; strong from the NEnd or Nnd in the south of Norway and from the Wnd in Denmark, with a gale at Faeröer. Light from W. or SW. in Germany, E¹ or NE¹ in Italy, SE¹ in Algeria. S¹ or SW¹ in the western parts of the Iberian Peninsula. Subsequently increasing to a fresh or strong breeze from the NEnd in Scotland and from the Wnd or SWnd in the eastern part of the Channel.

Barometer highest 30.0 in. and upwards over Algeria and the extreme south of Spain, 29.8 in. and upwards over the Black Sea and the southern part of Russia. Lowest 29.3 in. and less, in the extreme north of Russia; 29.6 in. and less, in a shallow depression lying over Scotland, 29.7 in. and less, in another shallow system over eastern Austria. Depression over Scotland subsequently increasing both in size and depth and moving slowly southwards to the north of England; barometer falling decidedly over Ireland and England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 24th June, 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. Direc.	Force (0 to 12).	Weather.		Barometer. Reading at 32° F. and Sea Level.	Change since Yester- day Morn.	Shade Temp. Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Wind. Direc.	Force (0 to 12).	Weather.	Sea (0 to 5).		Weather.	Max.	Min.	Amount of Rainfall.
	Inch.	°					Inch.	°	°	°										Inch.
SCANDINAVIA.	Haparanda ...	29.75	52	2	0	c	29.83	+18	56	52	+6	S	2	b	#		c	59	7	0.08
	Hernösand ...	29.67	52.5	S	2	c	29.70	+12	50	49	-5	Z	0	f	#		c	59	4.5	0.04
	Stockholm ...	29.66	55	SE	2	bc	29.50	-15	58	55	+1	ESE	2	f	#		bc	63	5.8	0.32
	Visby ...	29.62	57	SE	4	0	29.46	-23	64	58	+2	S	4	o	#		o	64	52	0.12
	Bolö ...	29.63	57	E	2	b	29.64	+0.1	54	48	+4	E	2	bc	1		b	57	4.6	
	Christiansund...	29.53	54	N	3	b	29.45	-17	55	51	+4	NE	3	b	3		b	55	4.8	
	Skudesnaes ...	29.41	55	SE	2	r	29.28	-23	57	53	+3	ESE	4	c	3		c, r	64	52	
	Christiania Fjord (Fjord)	29.50	56	SSE	4	0	29.41	-16	56	53	-2	ESE	5	0	3		o	59	55	0.20
	Skagen (The Scaw)	29.45	56	SSE	5	r	29.35	-21	59	57	+1	SSE	4	0	2		r	63	51	0.39
	Fanö ...	29.80	58	SSE	4	c	29.72	-0.9	59	53	+3	SSW	4	c	#		c	66	55	0.08
BRITISH ISLANDS.	Sumburgh Head	29.50	52	NE	5	bc	29.39	-14	52	50	+2	NNE	4	c	5		c, bc	56	4.6	0.01
	Stornoway ...	29.57	51	NE	6	r	29.54	-0.3	48	48	-3	H	6	r	6		c, r	56	4.5	0.22
	Wick ...	29.49	52	N	4	0	29.44	-0.8	52	49	+2	N	5	0	2		o	55	4.7	0.02
	Nairn ...	29.46	53	ESE	4	0	29.46	-0.1	51	50	+1	ESE	2	0	3		o	57	4.7	0.08
	Aberdeen ...	29.38	50	NE	4	og, r	29.39	-0.0	51	46	+3	NW	5	c	5		og, r	51	4.8	0.66
	Leith ...	29.33	54	NE	4	r	29.42	+1.2	54	49	+4	NW	1	0	#		r	54	4.8	0.68
	Shields ...	29.23	54	NNE	2	0	29.34	+1.0	51	49	-1	NW	6	0	6		re, o	56	4.7	0.27
	Spurn Head ...	29.22	55	NW	4	c	29.21	-0.6	52	51	-3	NW	7	p	4		tl, c	61	51	0.11
	York ...	29.22	52	NW	4	0	29.33	+0.6	52	51	-3	N	4	0	#		lp, o	60	50	0.34
	Loughborough	29.32	54	W	4	c	29.41	+0.8	53	50	-2	NW	3	op	#		c	61	4.8	0.15
GERMANY & HOLLAND.	Ardrossan ...	29.39	51	NW	3	r	29.46	+0.7	54	51	+5	NW	3	c	2		r	54	4.8	0.23
	Malin Head ...	29.50	54	N	6	c	29.58	+0.9	53	50	+2	NW	5	bc	4		o, c, p	55	4.9	0.01
	Mullaghmore ...																			
	Belmullet ...	29.69	55	NW	6	bc	29.72	+0.7	53	51	-2	NW	3	0	#		bc, q, p	57	50	0.37
	Donaghadee ...	29.44	52	NW	7	0	29.52	+1.0	55	53	+6	NW	7	c	5		o	56	4.9	0.04
	Liverpool (Bidston)	? 29.35	50	NW	7	r	29.46	+1.6	53	51	+2	NW	4	r	5		r	58	50	0.56
	Holyhead ...	29.41	52	NW	5	og	29.53	+1.5	54	51	+2	NW	5	og	5		og, p, g	54	50	0.07
	Parsonstown ...	29.57	51	SW	1	0	29.68	+1.0	54	51	+1	SE	1	0	#		c, o	59	4.6	0.22
	Valencia ...	29.73	57	NW	6	bc, q, p	29.80	+1.1	55	54	-2	NW	3	cp	#		bc, q, p	59	4.9	0.21
	Roche's Point	29.60	58	NW	5	c	29.71	+1.1	58	53	+2	NW	4	0	3		q, c	60	50	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.49	56	NW	4	bc	29.62	+1.4	55	53	+2	NW	5	bc	4		bc	58	51	
	Scilly ...	29.61	60	NW	6	c	29.71	+1.7	58	54	-1	NW	6	cp	4		c, cp	62	52	0.07
	Prawle Point ...	29.54	59	NW	5	b	29.64	+1.3	59	52	-1	NW	5	bc	4		b	67	51	
	Jersey (St. Aubin's)	29.57	62	NW	4	bc	29.68	+1.9	61	53	-1	NW	5	bc	4		bc, p	64	54	0.02
	Hurst Castle ...	29.46	61	W	6	b	29.55	+1.7	59	56	0	NW	6	bc	3		bc, b	67	52	
	Dungeness ...	29.36	61	W	6	bc	29.44	+0.8	57	54	-1	NW	6	cp	5		bc	65	53	0.03
	North Foreland	29.33	61	NW	5	bc	29.39	+0.5	53	50	-6	NW	5	og, p	3		og, p	65	4.9	0.15
	London ...	29.38	60	W	3	c	29.46	+1.2	54	51	-2	NW	3	0	#		c, p, g	65	4.9	0.04
	Oxford ...	29.40	54	W	3	c	29.46	+1.2	53	50	-3	W	3	op	#		r	62	4.9	0.07
	Cambridge ...	29.34	56	SW	5	r	29.39	+0.9	55	52	-1	W	6	r	#		r	65	4.8	0.07
PENINSULA.	Yarmouth ...	29.29	50	W	3	bc	29.28	-0.3	53	51	-4	W	3	4	3		4, r, p, bc	62	50	0.27
	Cuxhaven ...	? 29.45	60	NSW	1	r	29.42	-0.3	60	58	+2	SW	3	b	#		r	69	58	0.02
	Berlin ...	29.45	69	Z	0	c	29.45	-1.3	66	61	+2	W	4	bc	#		c	75	61	0.08
	Wiesbaden ...	#	#	#	#	#	29.63	+0.4	59	53	-4	W	4	b	#		#	73	59	0.12
	Munich ...	29.65	63	SW	#	r	29.72	+0.1	? 49	? 49	? 49	SSW	1	?	#		r	72	55	0.39
	The Helder ...	29.37	60	SW	5	c	29.35		56	52		SW	5	c	3		c	63	55	0.04
	Brussels (9 a.m.)	*	*	*	*	*	29.48	-0.1	57	51	-2	SSW	5	c	#		b	71	4.8	0.04
	Cape Gris Nez																			
	Paris ...	29.50	61	NW	2	0	29.66	+1.0	56	51	-4	SSW	4	b	#		o	75	4.8	0.08
	Brest ...	? 62	62	NW	2	c	? 57	? 57	53	53	-4	NW	3	c	3		c	64	52	
FRANCE AND BELGIUM.	Lorient ...	29.65	63	NW	6	bc	29.77	+2.1	59	52	0	NW	5	bc	3		bc	64	55	0.04
	Rocheport ...	29.66	66	NW	5	b	29.81	+1.8	59	58	-3	NW	5	r	#		bc, b	73	55	
	Belfort ...	? 60	60	NSW	3	0	? 54	? 54	52	52	-8	NW	4	r	#		o	63	52	0.91
	Lyons ...	29.68	58	E	1	r	29.80	+1.6	63	57	+1	SSW	1	0	#		r	67	55	2.88
	Nice ...	29.68	66	E	1	c	29.62	-1.6	68	58	+2	W	1	b	3		c	73	57	0.16
	Perpignan ...	29.69	69	NW	4	b	29.87	+2.7	70	58	0	NW	3	bc	#		t	62	63	0.04
	Biarritz ...	29.78	68	W	5	r	29.91	+2.8	64	60	0	W	6	r	4		r	70	57	0.59
	Corunna ...	*	#	#	#	#														
	Lisbon ...	30.05	64	W	3	b	30.08	+1.5	66	62	0	NNE	2	0	#		b	72	61	

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 24th June, 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—

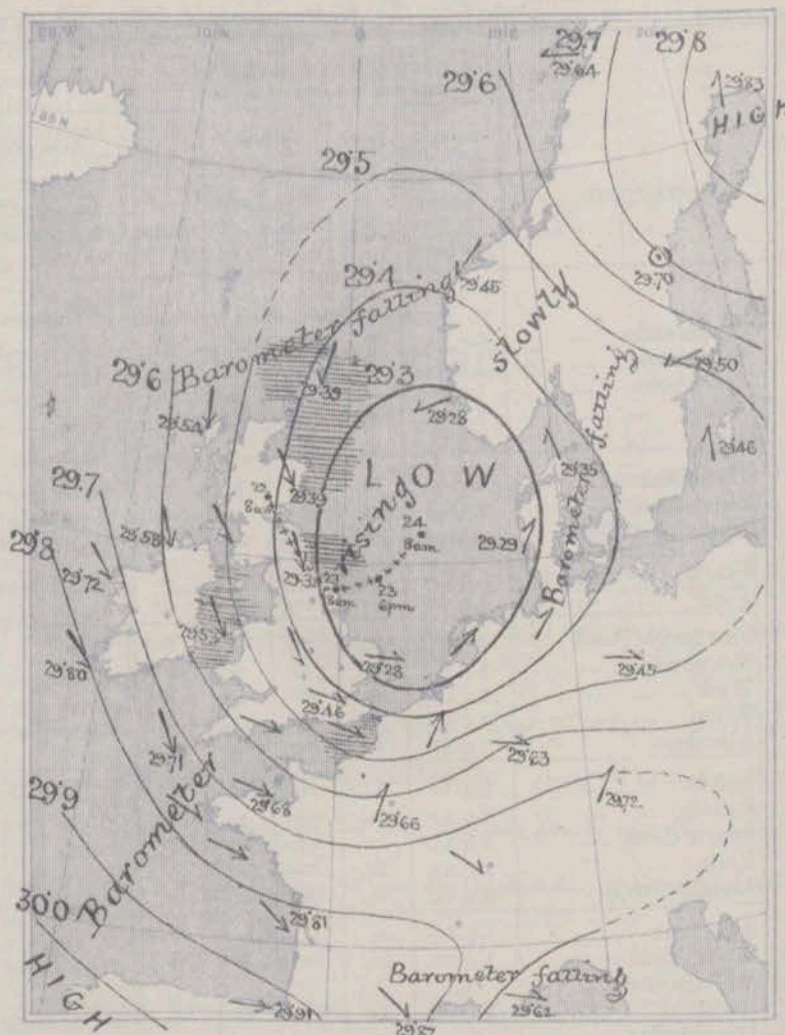
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June

During the 30 Years 1871–1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stormorway	29.876
Wick	29.868
Nairn	29.864
Aberdeen	29.866
Leith	29.830
Shields	29.848
Spiru Head	29.894
York	29.869
Loughborough	29.880
Ardrassan	29.832
Mallaighmore	29.830
Donaghadee	29.846
Holyhead	29.866
Liverpool	29.866
Parsonstown	29.872
Valencia	29.873
Roches Point	29.873
Pembroke	29.874
Scilly	29.890
Pravle Point	29.897
Jersey	30.010
Hurst Castle	29.898
Dover	29.882
LONDON	29.892
Oxford	29.886
Cambridge	29.885
Yarmouth	29.877



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 June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 4 p.m.	
Sumburgh Head	54.0	45.0	50.3	48.6	1.98
Stormorway	58.0	45.9	53.3	51.1	2.85
Wick	58.0	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.0	47.0	55.0	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spiru Head	60.4	51.4	55.3	52.8	1.64
York	60.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrassan	62.6	49.5	55.1	52.1	2.40
Mallaighmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.80
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roches Point	64.5	51.1	58.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Pravle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.0	57.7	55.5	1.92
Dover	61.0	52.5	58.2	54.9	1.50
LONDON	60.1	50.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	59.0	54.0	1.88

NOTE—The Temperature means are for the 30 years 1871–90, the Rain/all means are mainly those for the 25 years 1868–90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards in Portugal; 29.8 in. and upwards in the north of Sweden.

Lowest, 29.3 in. and less, in a large depression lying over the North Sea.

Gradients, moderate generally, but slight over France and Spain.

Barometer falling in Denmark and the south of Scandinavia, as well as in the south of France, but rising elsewhere.

TEMPERATURE

Highest, 70° at Perpignan, 68° at Nice, 66° at Berlin and Lisbon, 64° at Biarritz, and 61° at Kirkby and Jersey.

Lowest, 48° at Stornoway, 50° at Helsingfors, 51° at Kurr, Aberdeen and Shields, and 52° at Lumburg, H. Wick, York and Spennithorne.

The maxima registered over our Islands yesterday were below 60° on many parts of our western and northern coast, and below 55° in the east of Scotland.

WIND

Fresh or strong from the N^W or NW^W over the greater part of our Islands and the west of France, but W^W in the south-east of England.

Moderate to fresh from the SW^W over Denmark, the Netherlands and the north-east of France.

E^W or NE^W at many of the Scandinavian stations.

WEATHER

Changeable and showery over the greater part of the United Kingdom, and rainy in the south-west of France as well as at Belfast.

Fine in Germany and also in the northern parts of Scandinavia, but cloudy in Denmark and the south of Scandinavia.

Rain fell yesterday in most parts of our area the largest amount in our Islands being 0.7 inch at Aberdeen and 0.6 inch at Liverpool. Thunderstorms occurred over the eastern and central parts of England.

SEA

Rough or rather so on our north-west, north, and north-east coasts, as well as at Dungeness.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the North Sea appears to be moving away slowly in a northeasterly direction. There are at present no indications of the approach of any new disturbance, but the barometric rise in the west is very slight.

FORECASTS

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

DISTRICTS.

FORECASTS.

6 SCOTLAND

NORTH

N^W and NW^W winds, moderate or fresh; cloudy, showery.

1 SCOTLAND

EAST

2 ENGLAND

N.E.

Same as N^o 5

3 ENGLAND

EAST

4 MIDLAND

COUNTIES

5 ENGLAND

SOUTH

W^W and NW^W winds, fresh; changeable, some showers.

DISTRICTS.

FORECASTS.

6 SCOTLAND

WEST

NW^W winds, light or moderate; fair generally, but local showers.

7 ENGLAND

N.W.

8 ENGLAND

S.W.

NW^W winds, falling light; fair generally but local showers.

9 IRELAND

NORTH

NW^W to W^W winds, moderate; fair generally.

10 IRELAND

SOUTH

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.	Dirac.						Dry.	Wet.	Dirac.			
Skudesnaes ...	29.43	64	66	N.W.	4	c	1	Valencia ...	29.71	57	55	N.W.	6	cgy p	5
Sumburgh Head	29.41	53	54	N.E.	4	c	5	Seilly ...	29.60	61	57	N.W.	5	c	3
Stornoway ...	29.36	50	52	N.E.	5	c	5	Jersey ...	29.52	64	56	N.W.	4	bc	3
Aberdeen ...	29.38	49	46	N.W.	6	ogt	6	Hurst Castle	29.42	66	60	N	6	bc	3
Shields ...	29.24	55	53	N.W.	2	c	2	Dungeness...	29.33	64	61	N.W.	6	bc	5
Ardrossan ...	29.39	52	50	N.W.	3	r	2	North Foreland...	29.32	68	55	N.W.	4	c	3
Malin Head ...	29.49	53	50	N	6	o	4	London (Westminster)	29.33	65	53	N.W.	2	c p	3
Mullaghmore	...	...	...	...	...	...	...	Yarmouth ...	29.28	61	55	N.W.	3	c p	3
Belmullet ...	29.65	57	53	N.W.	6	bcq	5	Rocheport ...	29.62	70	66	N.W.	5	bc	5
Holyhead ...	29.40	52	49	N.W.	5	ogp	5								

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

Weather dull and rainy in most of the northern and eastern parts of our Islands, but fine at some of our southwestern and extreme southern stations. Fine in the west of Norway, as well as in Poland, southern Italy, and Algeria, but cloudy in most other parts of the Continent, with fog at some of the German and Austrian stations and with rain at Kuspie and in the south of Russia. Rain falling during day over the greater part of Western Europe, - heavily in the east of Scotland, as well as at Belfast and Birmmgham. Thunderstorms occurring in some parts of eastern and central England.

Temperature fallen in our Islands and France, risen in most other localities. Morning readings highest 83° at Algiers, 82° at Tunis, 81° at Brindisi, and 78° at Barcelona, above 70° at most of the Mediterranean and Adriatic stations. Lowest 48° at Aberdeen, 49° at Uleaborg, Ardrossan, and Danagabod, and 50° at Kuspie, Haparanda, Bodö, Lumburgh, Wick, Nain, and Leth. Daily maxima below 60° in most parts of our western and northern coasts, and below 55° in the east of Scotland. Thermometer exceeding 65° at one or two of our extreme southern stations, and exceeding 70° in many parts of France and Germany.

Winds light from the N.E. in the west of Norway, and moderate to strong from the same quarter in Scotland. Moderate or fresh from the N.W. in the west and southwest of our Islands and the west of France, and from the W. over the eastern part of the Channel, S.W. over the Netherlands and the east of England, S. in Denmark, Sweden, and Finland, variable in Italy and Austria, W. or S.W. at most of the Spanish stations. No important change occurring over Western Europe during day.

Barometer highest 30.0 ins. and upwards in an anticyclone lying off the south of Spain; 29.9 ins. and upwards over Central Russia. Lowest 29.3 ins. and less, in a well marked depression lying over the north of England and the adjacent parts of the North Sea; 29.6 ins. and less in a small shallow system near Perpignan. Depression over north of England subsequently moving away slowly in an easterly direction, barometer rising in most parts of our Islands and France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Sunday 25th June,

1893

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

STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)						THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.			
	Barom.	Temp.	Wind.	Force	Weather.		Barometer.	Shade Temp.	Wet Bulb.	Change in dry since Yesterday.	Wind.	Force	Weather.	Sea			Shade Temp.	Max.	Min.	Amount of Rainfall.
	Reading at 5 th P. and Sea Level.	Dry Bulb.	Dir.	(0 to 12).			Reading at 8 th P. and Sea Level.	Dry Bulb.	Wet Bulb.		Dir.	(0 to 12).		(0 to 12).						
	Inch.	°					Inch.	°	°	°							°			Inch.
SCANDINAVIA.	Haparanda ...	29.82	59	2	0	c	29.74	- 0.9	55	55	0	SSE	2	r	4	c	70	46	0.16	
	Hernösand ...	29.49	50	NE	6	r	29.58	- 0.12	51	49	+ 1	S	2	0	4	r	35	39	1.55	
	Stockholm ...	29.42	50	S	2	r	29.53	+ 0.11	51	49	- 1	ESE	2	r	4	r	64	50	0.29	
	Wiesby ...	29.49	57	SSE	4	c	29.50	+ 0.01	57	57	- 2	S	4	0	4	c	66	52	0.29	
	Bodö ...	29.66	57	ENE	4	c	29.51	+ 0.15	58	51	+ 4	ENE	2	0	1	c	59	48	-	
	Christiansund ...	29.41	59	N	2	b	29.32	- 0.09	54	54	+ 14	ENE	2	r	2	b	63	54	-	
	Skudesnaes ...	29.35	53	WSE	2	r	29.32	+ 0.03	52	52	0	2	0	0	2	r	61	48	-	
	Christiania Fjord (Fjord)	29.26	59	ESE	4	b	29.35	- 0.09	57	55	+ 1	SE	4	c	3	b	59	55	1.06	
	Skagen (The Scaw)	29.35	57	S	3	c	29.36	+ 0.01	57	53	- 2	SW	3	c	3	c	72	54	0.28	
	Fanö ...	29.30	55	SW	4	c	29.41	+ 0.11	56	53	- 3	W	6	c	4	c	66	?	0.04	
BRITISH ISLANDS.	Sumburgh Head	29.40	51	NNE	3	r	29.42	+ 0.02	52	51	0	N	4	0	4	r	55	47	-	
	Stornoway ...	29.58	51	N	6	0	29.65	+ 0.07	52	49	+ 4	NE	5	c	5	r	55	45	0.05	
	Wick ...	29.47	53	N	5	0	29.55	+ 0.08	53	49	+ 1	N	6	0	2	0	55	47	0.03	
	Nairn ...	29.51	53	ENE	2	r	29.58	+ 0.07	52	52	+ 1	WNW	3	0	2	r	57	46	0.14	
	Aberdeen ...	29.44	50	NNE	4	0	29.55	+ 0.11	53	44	+ 2	NW	3	0	3	0	55	45	0.02	
	Leith ...	29.46	58	2	0	0	29.60	+ 0.14	57	51	+ 3	W	3	c	4	0	63	47	-	
	Shields ...	29.46	56	NW	2	0	29.59	+ 0.13	55	51	+ 4	WNW	3	c	3	r	55	46	0.21	
	Spurn Head ...	29.49	57	W	4	0	29.62	+ 0.13	54	51	+ 2	W	4	c	4	0	57	50	0.04	
	York ...	29.50	57	W	3	0	29.64	+ 0.14	56	54	+ 4	WNW	3	0	4	0	59	50	0.06	
	Loughborough	29.57	61	WNW	4	b	29.72	+ 0.15	56	51	+ 3	WNW	4	c	4	b	62	48	-	
BRITISH ISLANDS.	Ardrossan ...	29.51	56	NW	4	b	29.66	+ 0.15	54	52	0	NW	3	c	2	b	59	49	-	
	Malin Head ...	29.64	50	NNW	4	0	29.74	+ 0.10	53	50	0	NW	5	0	3	0	56	50	0.03	
	Mullaghmore ...	29.50	55	NW	3	c	29.61	+ 0.11	56	51	+ 3	WNW	3	0	4	0	57	51	0.12	
	Belmullet ...	29.61	57	NNW	6	c	29.73	+ 0.12	55	54	0	WNW	5	c	3	c	62	54	-	
	Donaghadee ...	29.59	56	NW	5	c	29.72	+ 0.13	54	52	+ 1	W	5	0	4	c	59	51	0.08	
	Liverpool (Bilston)	29.63	58	WNW	2	b	29.77	+ 0.14	54	51	0	WNW	3	c	2	b	63	51	0.02	
	Holyhead ...	29.73	58	NNW	1	c	29.86	+ 0.13	58	53	+ 4	SW	1	c	4	c	61	50	0.14	
	Parsonstown ...	29.88	58	NW	5	c	29.92	+ 0.04	58	55	+ 3	NW	1	0	2	c	60	50	0.07	
	Valencia ...	29.79	60	NNW	5	b	29.90	+ 0.11	57	53	- 1	NW	4	c	3	b	65	51	-	
	Roche's Point	29.73	57	NW	3	b	29.86	+ 0.13	55	54	0	WNW	4	0	4	b	58	53	0.01	
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.83	60	NW	5	b	29.92	+ 0.09	60	57	+ 2	SW	1	c	3	b	64	54	0.11	
	Scilly ...	29.77	59	WNW	5	c	29.91	+ 0.14	57	53	- 2	SW	5	0	4	c	65	51	0.10	
	Prawle Point ...	29.80	61	W	5	b	29.94	+ 0.14	61	56	0	W	4	0	3	b	64	50	-	
	Jersey (St. Aubin's)	29.70	62	W	6	b	29.84	+ 0.14	60	56	+ 1	W	6	0	3	b	64	54	0.01	
	Hurst Castle ...	29.62	57	W	4	c	29.75	+ 0.13	61	57	+ 4	WNW	5	0	4	b	64	55	0.09	
	Dungeness ...	29.57	57	W	4	c	29.71	+ 0.14	61	54	+ 8	WNW	4	0	3	b	62	48	0.10	
	North Foreland	29.63	57	SW	2	c	29.78	+ 0.15	55	51	+ 1	WSW	3	0	4	c	65	48	0.02	
	London ...	29.66	54	NW	2	c	29.79	+ 0.13	50	50	+ 3	WNW	4	0	4	c	60	48	0.03	
	Oxford ...	29.58	58	SW	5	c	29.74	+ 0.16	57	51	+ 2	WNW	5	0	4	c	61	46	-	
	Cambridge ...	29.52	57	WNW	4	c	29.66	+ 0.14	55	52	+ 2	W	4	c	3	0	57	47	0.06	
GERMANY & HOLLAND.	Cuxhaven ...	29.44	54	SW	1	b	29.59	+ 0.15	54	53	- 6	WSW	4	0	4	b	65	53	0.52	
	Berlin ...	29.55	65	SW	3	b	29.71	+ 0.16	59	53	- 7	W	5	0	4	b	72	54	0.16	
	Wiesbaden ...	29.85	58	SW	5	c	29.85	+ 0.00	58	52	- 1	W	4	0	4	c	68	55	-	
	Munich ...	29.82	57	SW	5	c	29.95	+ 0.13	55	50	- 5	SW	4	0	4	c	68	50	0.08	
	The Helder ...	29.34	56	W	6	c	29.65	+ 0.31	57	53	+ 1	?	6	c	4	c	59	55	0.04	
	Brussels (a.m.)	?	?	?	?	?	29.80	+ 0.32	58	53	+ 1	SW	5	0	4	0	60	48	0.16	
	Cape Gris Nez	?	57	W	6	0	29.74	+ 0.26	56	53	+ 3	WNW	5	0	5	0	61	52	0.12	
	Paris ...	29.76	65	WSW	3	b	29.94	+ 0.18	59	54	+ 3	SW	3	0	4	b	67	49	0.04	
	Brest ...	29.89	62	WNW	4	c	?	?	57	55	0	NW	2	c	2	c	66	52	0.04	
	Lorient ...	29.89	62	WNW	6	b	29.91	+ 0.02	59	54	0	WNW	4	c	3	b	64	55	-	
FRANCE AND BELGIUM.	Rocheport ...	29.91	64	W	6	c	29.92	+ 0.01	62	58	+ 3	WNW	4	0	4	c	70	57	-	
	Belfort ...	29.91	62	SW	4	c	?	?	56	52	+ 2	SW	3	0	4	c	66	48	0.12	
	Lyons ...	29.88	62	W	1	c	29.96	+ 0.08	59	53	- 4	N	1	0	4	c	73	52	0.04	
	Nice ...	29.62	76	NW	4	b	29.74	+ 0.12	67	54	- 1	N	1	0	2	b	82	64	-	
	Perpignan ...	29.94	79	NW	3	0	29.99	+ 0.05	67	58	- 3	NW	3	0	4	0	79	59	-	
	Biarritz ...	29.92	65	WSW	3	b	29.90	+ 0.02	62	60	- 2	SW	3	0	3	b	70	59	0.08	
	Corunna ...	?	?	?	?	?	30.11	+ 0.03	66	60	0	NNE	4	0	4	0	73	61	-	
	Lisbon ...	30.12	64	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, 25th June 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:

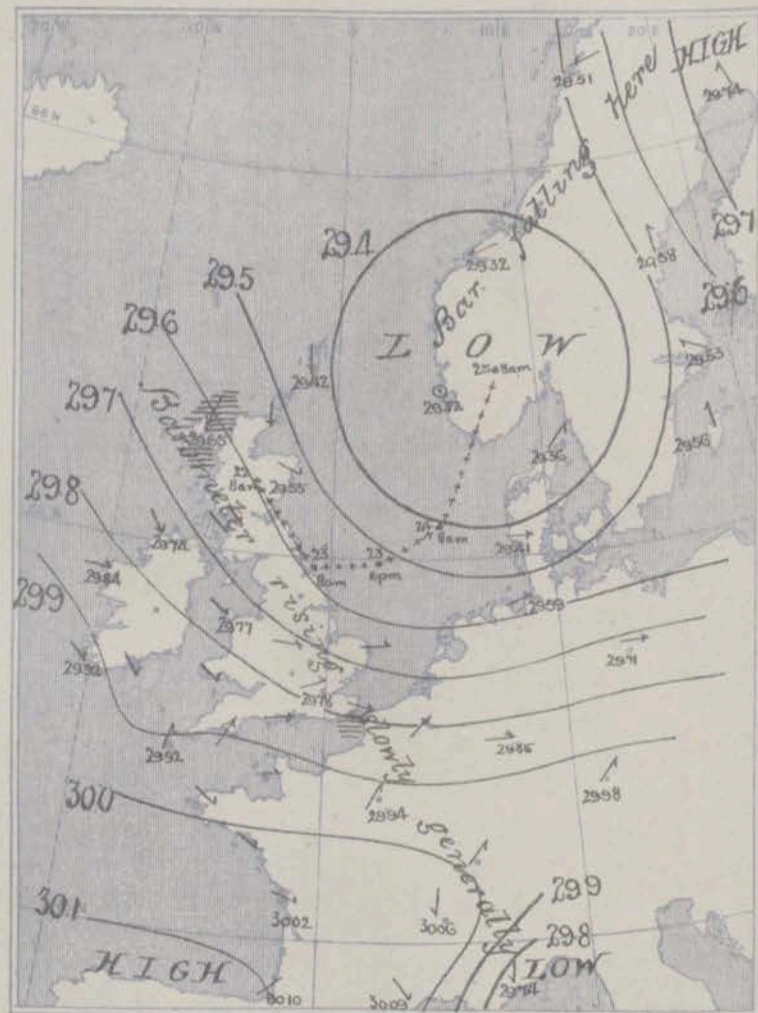
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.888
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.982
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Sally	29.996
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.962
Oxford	29.988
Cambridge	29.985
Yarmouth	29.977



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 June.)

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet.	
Sumburgh Head	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.0	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.40
Mullaghmore	61.1	51.4	54.9	52.0	2.70
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.86
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.04
Sally	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.01
Hurst Castle	64.2	51.0	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	50.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins. and upwards in an anticyclone lying over the Spanish Peninsula.
Lowest, 29.4 ins. and less, in a depression lying over Denmark, the southern part of Scandinavia and the adjacent part of the North Sea.
Gradients, slight. Barometer rising at all but the Norwegian stations.

TEMPERATURE

Highest 67° at Nice and Perpignan, 66° at Lisbon, 62° at Rochefort and Biarritz, and 61° at Jersey, Buzen, and the North Foreland.
Lowest, 51° at Heröland, 52° at Lumburgh, H. Stenway and Næm, and 53° at Wick, Aberdeen, and Malin Head.
 The maxima registered yesterday were below 60° on our northwest, north, and east coasts, and below 65° in most other parts of the Kingdom.

WIND

Moderate to strong from the Wnd or NWnd over the greater part of our Islands and also in the west and south of France, but Nth or NEth in the north of Scotland and SWth in the southwest of England.
 Light from the Sth or SEth in London, Eth or NEth in the east of Norway.

WEATHER

Fair or fine over the greater part of Western Europe, but showery at one or two of the English and Irish stations, and dull in the north of Scotland, with a threatening appearance at Wick.
 Dull in Scandinavia, with rain in places.
 Showers fell yesterday in most parts of the United Kingdom and France, and heavy rain at several of the Scandinavian stations.

SEA

Moderate to smooth generally, but rather rough at Lornway and Cape Fin Rey.

PROBABLE CHANGES IN SYSTEM NOW PRÉVALENT

FORECASTS

For the 24 hours ending at NOON on 26th June 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 ...	29.31	60	54	SE	2	c	2	Valencia ...	29.86	57	55	W	4	op	4
Sumburgh Head ...	29.39	52	51	NNE	4	o	5	Scilly ...	29.78	62	57	W	5	br	4
Stornoway ...	29.56	53	51	NE	6	r	6	Jersey ...	29.75	62	55	W	5	br	4
Aberdeen ...	29.59	53	48	NNW	4	o	4	Hurst Castle ...	29.64	62	57	W	5	py	3
Shields ...	29.43	56	52	W	3	o	6	Dungeness ...	29.55	64	58	WNW	5	c	4
Ardrossan ...	29.48	58	53	NW	4	br	3	North Foreland ...	29.52	62	58	WNW	6	c	4
Malin Head ...	29.62	54	52	NNW	4	o	2	London ...	29.55	62	54	WNW	3	o	2
Mullaghmore ...								Yarmouth ...	29.44	52	52	W	5	py	4
Belmullet ...	29.76	56	51	NW	4	opq	2	Rocheport ...	29.87	65	60	W	6	c	2
Holyhead ...	29.62	62	56	NW	3	h	3								

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

Weather in morning fine and bright over Ireland and northern Europe, and locally, in some parts of western and southern Europe also, but changeable and unsettled on a whole, with rain in many localities, and fog in the south of Russia, as well as at Helsingfors. Rain later over nearly the whole of western and northwestern Europe, but amount small except at some of the Scandinavian stations, where they exceeded an inch; thunderstorms in the northwest of Germany.

Temperature in morning 82° at Kharkov, 81° at Palermo, and above 70° at most of the Mediterranean stations; reaching 60° over southeastern and central Europe and also at one or two northern stations. Lowest 48° at Pomeroy, 51° at Skar, Aberdeen, and Shields, and below 55° over the greater part of the British Islands. Rising later to between 85° and 90° over the southern part of Italy and to between 70° and 80° in many parts of France, but remaining below 65° over the United Kingdom as a whole, and just touching 55° in the north and east of Scotland.

Wind N to NW^{ly}, fresh to strong, over the United Kingdom, W and SW^{ly} over Germany, S over the Baltic, calm over northern Europe; NW^{ly} over the western half of the Mediterranean, SW and S in the east. Becoming more W over England and France later, a SE breeze setting in over Ireland, and a strong NW breeze at Cagliari and Palermo.

Barometer highest (1) 30.1 in: and more to 29.8 in: over the Iberian Peninsula, the west of France, the Bay of Biscay, and adjacent part of the Atlantic; (2) 29.9 in: and more to 29.8 in: over Russia. Lowest 29.3 in: and less, in a depression over the North Sea, and below 29.7 in: over the Gulf of Genoa. The North Sea depression moving north-eastwards later and barometer rising over 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 Monday, 26th June,

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. 4. SCOTT, Secretary.

R. 4. SCOTT, Secretary.																																		
YESTERDAY EVENING. (See note at bottom of last page.)										THIS MORNING. (See note at bottom of last page.)										PAST 24 HOURS.														
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.	Dry Bulb.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.		Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirce.	Force (0 to 12).	Max.			Min.																	
																				Inch.	°				Inch.	°	°	°						Inch.
SCANDINAVIA.	Haparanda ...	29.65	66	E	2	0	29.64	- 10	54	53	- 2	S	2	1	#	0	68	52	1.02															
	Hernösand ...	29.58	50	Z	0	5	29.63	+ 0.7	51	50	0	Z	0	1	#	0	58	45	0.12															
	Stockholm ...	29.58	58	S	2	6	29.67	+ 1.4	63	57	+ 6	SSE	2	6	#	0	66	54																
	Wisby ...	29.65	56	SSW	4	6	29.74	+ 1.8	56	52	- 3	W	6	6	#	0	66	52																
	Bodö ...	29.35	62	SE	4	0	29.46	- 0.5	64	55	+ 6	SE	2	6	#	0	66	52																
	Christiansund...	29.35	57	WNW	2	C	29.47	+ 1.5	54	51	- 5	WSW	6	1	3	C	59	42	0.28															
	Skudesnaes ...	29.43	55	W	1	C	29.59	+ 2.7	53	51	- 4	WNW	4	0	2	C	61	52																
	Christiania Fjord (Færdar)	29.40	57	SSW	5	C	29.47	+ 1.2	58	54	+ 1	SSE	4	6	3	C	58	54																
	Skagen (The Scaw)	29.52	54	WSW	3	bc	29.57	+ 2.1	55	54	- 2	WSW	4	1	2	bc	61	50	0.28															
	Fanö ...	29.64	55	W	6	C	29.73	+ 3.2	56	51	0	W	6	C	#	C	64	52	0.04															
BRITISH ISLANDS.	Sumburgh Head	29.49	50	N	3	0	29.61	+ 1.9	50	49	- 2	N	2	bc	3	0	55	45	0.05															
	Stornoway ...	29.68	54	N	3	C	29.70	+ 0.5	50	49	- 2	N	4	1	4	0	54	44	0.01															
	Wick ...	29.63	53	N	6	0	29.70	+ 1.5	53	50	0	NW	3	0	1	0	55	48	0.03															
	Nairn ...	29.65	56	WNW	3	bc	29.71	+ 1.3	54	53	+ 2	W	1	6	1	bc	57	45																
	Aberdeen ...	29.65	54	NW	3	C	29.74	+ 1.9	59	48	+ 6	W	1	C	1	C	59	47																
	Leith ...	29.65	61	W	4	C	29.75	+ 1.5	55	49	- 2	W	2	C	#	C	65	45	0.03															
	Shields ...	29.67	57	W	4	C	29.76	+ 1.7	53	51	- 2	W	2	C	2	bc	64	46	0.01															
	Spurn Head ...	29.73	60	W	5	bc	29.79	+ 1.7	61	55	+ 7	S	3	6	4	bc	61	50																
	York ...	29.74	60	W	4	bc	29.79	+ 1.5	56	53	0	SSW	1	C	#	bc	61	47																
	Loughborough	29.81	62	W	3	C	29.82	+ 1.0	60	53	+ 4	SE	1	bcw	#	C	64	44																
GERMANY & HOLLAND.	Ardrossan ...	29.71	57	W	4	C	29.76	+ 1.0	57	54	+ 3	Z	0	6	0	C	62	46																
	Malin Head ...	29.77	55	WNW	4	0	29.76	+ 0.2	55	51	+ 2	SSW	2	6	1	bc	57	48	0.04															
	Mullaghmore ...																																	
	Belmullet ...	29.84	57	NW	3	bc	29.76	- 0.8	56	51	0	ESE	2	C	#	bc	59	47	0.02															
	Donaghadee ...	29.77	61	WNW	4	bc	29.78	+ 0.5	56	52	+ 1	ESE	4	bc	2	bc	66	54	0.16															
	Liverpool (Bidston)	29.80	61	W	4	6	29.78	+ 0.6	63	54	+ 9	SE	1	6	2	6	64	50																
	Holyhead ...	29.82	59	SW	4	0	29.77	- 0.0	62	57	+ 8	SSW	2	6	2	bc	64	52	0.01															
	Parsonstown ...	29.79	62	Z	0	0	29.75	- 1.1	57	54	- 1	Z	0	bc	#	C	60	46																
	Valencia ...	29.82	60	NW	2	cv	29.70	- 2.2	58	56	0	E	3	ov	3	cv	62	51																
	Roche's Point	29.82	63	SW	3	bc	29.74	- 1.6	57	56	0	ESE	4	0	4	bc	65	54	0.12															
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.87	59	W	3	bc	29.75	- 1.1	57	57	+ 2	ESE	3	og p	3	bc	62	54																
	Scilly ...	29.89	61	SSW	3	0	29.70	- 2.2	61	60	+ 1	E	4	cp	4	0	66	55	0.31															
	Prawle Point ...	29.93	55	W	3	0	29.70	- 2.1	54	54	- 3	E	4	ogm	3	bc	63	52	0.15															
	Jersey (St. Aubin's)	29.97	63	W	3	cv	29.75	- 1.9	63	61	+ 2	WSW	5	ogm	4	bc	65	56	0.28															
	Hurst Castle ...	29.90	61	WSW	3	bc	29.78	- 0.6	58	57	- 2	S	3	bc	3	bc	64	57	0.04															
	Dungeness ...	29.84	61	W	6	bc	29.83	+ 0.8	57	56	- 4	S	2	p	2	bc	65	56	0.01															
	North Foreland	29.82	63	WNW	2	bc	29.82	+ 1.0	57	55	- 4	SW	2	rg	2	bc	65	50																
	London ...	29.85	66	WSW	2	bc	29.85	+ 0.7	56	53	+ 1	S	1	od	#	C	66	46	0.01															
	Oxford ...	29.86	59	W	3	C	29.82	+ 0.3	56	53	0	SW	1	0	#	C	66	47																
	Cambridge ...	29.84	62	SSW	3	C	29.83	+ 0.9	58	53	+ 1	S	2	0	#	C	65	44																
PENINSULA.	Yarmouth ...	29.78	60	WNW	4	C	29.82	+ 1.6	58	54	+ 3	SE	2	bc	2	C	61	50	0.04															
	Cuxhaven ...	29.72	58	W	4	bc	29.87	+ 2.8	58	56	+ 4	WSW	3	0	#	bc	61	54	0.22															
	Berlin ...	29.80	62	W	3	6	29.93	+ 2.2	59	52	0	W	4	C	#	6	70	52	0.12															
	Wiesbaden ...						30.02	+ 1.7	53	52	- 5	NW	2	6	#	#	66	46	0.24															
	Munich ...	30.04	57	NW	5	6	30.10	+ 1.2	57	47	+ 3	SW	3	bc	#	6	63	46	0.04															
	The Helder ...	29.85	58	WSW	4	bc	29.89	+ 2.4	60	55	+ 3	WSW	1	6	1	bc	59	55																
	Brussels (9 a.m.)						29.93	+ 1.3	56	51	- 2	SSE	2	1	#	bc	64	?	0.20															
	Cape Gris Nez	29.83	?	WNW	5	C	29.83	+ 0.9	55	?	- 1	SW	2	1	#	C	61	52																
	Paris ...	29.98	61	WSW	3	C	29.95	+ 0.1	55	54	- 4	SSW	2	0	#	C	70	53	0.12															
	Brest ...	?	58	SW	2	1	?	?	61	60	+ 4	WSW	4	5	1	1	68	55	0.87															
PENINSULA.	Lorient ...	30.01	59	SW	3	1	29.86	- 1.5	63	62	+ 4	WSW	5	0	4	1	68	57	0.47															
	Rochefort ...	?	68	WNW	3	0	29.97	- 0.5	66	63	+ 4	W	5	0	#	0	72	57																
	Belfort ...	?	64	W	3	6	?	?	60	52	+ 4	W	3	6	#	6	68	48																
	Lyons ...	30.05	67	E	1	bc	30.07	+ 0.1	62	57	+ 3	SE	1	C	#	bc	70	54																
	Nice ...	29.85	70	SE	1	C	29.94	+ 2.0	68	60	+ 1	Z	0	C	1	C	77	59																
	Perpignan ...	30.06	71	NW	1	0	30.08	- 0.1	67	60	0	W	2	6	#	0	77	55																
	Biarritz ...	30.04	68	NNE	3	bc	30.04	- 0.6	66	60	+ 4	SE	1	bc	2	bc	73	59																
	Corunna ...																																	
	Lisbon ...	30.11	64	WNW	5	6	30.09	- 0.2	68	61	+ 2	N	3	6	#	6	75	59																

For Explanation of Columns, see bottom of last page.

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

for 8 a.m. on Monday, 26th June, 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.

 = Rough. = High

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

During the 20 Years 1871—1890.

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 June.)

A hand-drawn map of Europe with various temperature and weather annotations. The map shows latitude and longitude lines. Handwritten notes include "Rain", "has", "fallen", "WARMER IN MOST PLACES", "RATHER RAINY", "SOMEWHAT COLDER", "has", "WARMER", and "SLIGHTLY". Numerous temperature readings in degrees Celsius are scattered across the map, such as 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

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, over Spain and the southern parts of France and Germany.

Lowest, 29.5 ins. and less, in a large depression over Norway; 29.7 ins. and less in a complete system lying off our extreme south-west coast.

Gradients slight generally, but moderate over the north-west of France.

Barometer falling at most of our southern stations, as well as in the west and north of France, but rising again at Lally, rising over Scandinavia, Denmark, Germany and the northern part of our Islands.

TEMPERATURE

Highest, (1) 68° at Nice and Lisbon; 67° at Perpignan, and 66° at Rochefort and Biarritz; (2) 64° at Bodö and 63° at Stockholm.

Lowest, (1) 50° at Edinburgh and Stromsø, 51° at Hirtsholm, and 53° at Skutumpah and Thiel; (2) 51° at Hawks P. and 55° at Cape Pri. Neg.

The highest temperature registered over our Islands yesterday was 66° at Bonaparte, Parnassos, Lally, London and Oxford.

WIND

Tends from the Wnd or SWnd in the west of France; light from the Sth or SEth over the eastern and central parts of England; moderate Eth in the south of Ireland and the south-east of England.

Light from N. or NW. in Scotland; moderate to strong from the Wnd on the eastern shore of the North Sea; light from S. or SE in the north of Scandinavia.

Cloudy and showery over the Channel and south of England.

WEATHER

Fair or fine in most other parts of Western Europe, but rainy at some of the Scandinavian stations and also at Stromsø.

In the course of the past twenty-four hours rain has fallen in many parts of the United Kingdom, the largest amount being 0.3 inch at Lally and Jersey. Solar halos were seen yesterday at several of our southern stations, and a lunar halo at the North Foreland.

SEA

Moderate to smooth generally, but rather rough at Brest.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the southwest is spreading eastwards, and seems likely to occasion further amounts of rain in many parts of England.

FORECASTS

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

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | { NW th and W th winds, light; fair generally. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | { SE th winds, light; fair to unsettled and some rain. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | { SE th winds, light, unsettled, rain at times. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|---|
| 6 | SCOTLAND WEST | Light Variable airs; fair generally. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | E th to N th winds, moderate; cloudy, showery. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | { E th to NE th winds, moderate; fair generally, but local showers. |
| | WARNINGS | |
| | | None issued. |

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND. Dirac.	P.	WEA.	SEA.		BAR.	THER.		WIND. Dirac.	P.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnaes ...	29.86	61	55	W	2	c	2	Valencia ...							
Sumburgh Head								Scilly ...							
Stornoway ...	29.67	52	51	NE	4	c	4	Jersey ...	29.97	64	56	W	4	bc	3
Aberdeen ...								Hurst Castle							
Shields ...								Dungeness ...	29.82	64	60	W	6	bc	5
Ardrossan ...								North Foreland ...	29.77	63	55	WNW	4	bc	2
Malin Head	29.77	57	52	NW	4	b	3	London ...							
Mullaghmore								Yarmouth ...							
Behnullet ...	29.84	57	51	WNW	3	bc	3	Rocheport ...	30.01	71	61	WNW	4	o	3
Holyhead ...	29.82	63	56	W	1	bc	2								

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

Weather in morning fine (but not settled) over the greater part of western and southern Europe, as well as over central and northern Russia; cloudy, changeable and unsettled over Scandinavia, Scotland, the North Sea and central Europe, with rain at several of the N^W and N^W stations, as well as at Trieste. Some rain later in several parts of France, the British Islands, Denmark and Scandinavia, a heavy fall at Haparanda; weather rather squally in the English Channel.

Temperature fallen decidedly over central Europe, risen slightly in the northwest. Morning readings 84° at Brindisi, 79° at Tunis but below 70° except in extreme S. and S.E., exceeding 60° over central Russia and Finland, but below 60° over the British Islands and central Europe. Lowest 52° at Sumburgh Head, Stornoway and Kairi, 53° at Aberdeen and Malin H^{ts}, 54° at Spurn H^t and Liverpool. Not exceeding 66° at any of our own stations later, but rising to between 70° and 78° in the southwest and south of France.

Wind strong N^W in Scotland, moderate to fresh W^W over England, the Channel and North Sea, W^W to S^W over N. Germany, light S^W over Finland, and S^W over the Gulf of Bothnia. Small cyclonic circulation of fresh winds over the Gulf of Genoa and N. of Italy. No decided change later.

Barometer highest (1) 30.1 ins. and more over the Iberian Peninsula, and exceeding 30 ins. over the Bay of Biscay and southwest of France; (2) 30.0 ins. and more over central and northern Russia. Lowest 29.4 ins. and less in a depression lying over the southern parts of Norway, and northeastern parts of the North Sea, and 29.8 ins. and less over the Gulf of Genoa. Falling on our southwestern coasts later, rising elsewhere. New small depression approaching mouth of Channel from Atlantic.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 18TH TO 24TH JUNE 1893.

The past week has witnessed a considerable change in the weather over our Islands and their immediate neighbourhood, the drought and heat noticed at the beginning of the period having given place to copious rains in many localities, and to a general fall of temperature.

At the opening of the period a large anticyclone lay immediately over the United Kingdom, and light breezes were reported generally from the W^W in the extreme north, but from the E^W in most other localities. The weather was fine and very warm, the daily maxima of the 18th and 19th being above 80° in many places, and above 85° over the inland parts of England. In London and at Cambridge the thermometer on the latter date rose as high as 88°.

On the 19th the anticyclone moved away to the westward, and a general fall of the barometer took place, the first effect of the change being seen in the formation of a shallow depression over the S.E. of England. On the evening of 19th thunderstorms were experienced at many of our eastern and southern stations, with heavy showers in places.

During the latter part of the week the weather was influenced by a depression which was formed over Scotland on the night of the 21st, and which afterwards increased considerably in intensity. On the 22nd the disturbance advanced to the north of England, while on the two following days it travelled away slowly in an E^W direction over the North Sea, and finally in a N^W direction over Norway. Rainy weather now spread S^W over nearly the entire Kingdom, the falls being rather heavy in the N. and E. of England, and very considerable in the E. of Scotland. On the 23rd the wind in the rear of the depression increased to a moderate gale from the NW^W on some parts of our NW^W, N^W and NE^W coasts. The maximum temperatures registered over Great Britain at the close of the week were from 25° to 30° lower than those observed at its commencement.

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

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

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 27TH JUNE.

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. Direc. Force (0 to 12).		Weather.	Barometer. Reading at 32° F. and Sea Level.		SHADE TEMP. Dry Bulb. Wet Bulb. Change in dry since Yesterday.			WIND. Direc. Force (0 to 12).		Weather.	Sea (0 to 9).	SHADE TEMP. Max. Min.		Amount of Rainfall.		
		Inch.	°			Inch.		°	°	°						°	°	Inch.		
SCANDINAVIA.	Haparanda ...	29.75	57	2	0	b	29.77	+1.3	57	58	+3	W	2	0	b	66	53	—		
	Hernösand ...	29.80	56	2	0	b	29.84	+1.6	52	51	+1	W	0	0	b	66	45	—		
	Stockholm ...	29.72	58	2	0	b	29.82	+1.6	53	58	+4	W	2	0	b	70	52	—		
	Wisby ...	29.78	56	SW	4	b	29.88	+1.4	57	53	+1	WN	4	0	b	66	52	—		
	Bodö ...	29.65	55	W	4	b	29.85	+1.3	55	51	-9	W	0	0	b	70	53	—		
	Christiansund...	29.71	54	WNW	3	c	29.88	+1.4	52	48	-2	SW	3	0	c	54	53	0.04		
	Skudesnaes ...	29.73	53	WNW	2	0	29.82	+1.3	54	50	+1	SE	2	0	c	53	50	—		
	Christiania Fjord (Færdier)	29.63	62	SE	4	b	29.77	+1.3	58	56	0	W	0	0	b	63	53	—		
	Skagen (The Scaw)	29.71	54	W	6	b	29.82	+1.5	56	50	+1	W	5	0	b	53	50	—		
	Fanö ...	29.84	52	WNW	2	b	29.87	+1.4	56	53	0	SE	1	0	b	64	52	—		
BRITISH ISLANDS.	Sumburgh Head	29.70	53	W	1	c	29.66	+1.5	52	52	+3	S	2	0	c	53	4	—		
	Stornoway ...	29.72	57	NE	3	0	29.45	-2.5	53	52	+3	NE	3	0	c	53	45	0.02		
	Wick ...	29.73	52	SW	2	0	29.58	-1.2	52	53	-1	S	4	0	0	53	49	0.30		
	Nairn ...	29.69	60	W	0	b	29.49	-2.4	56	54	+2	E	2	0	1	62	49	—		
	Aberdeen ...	29.74	53	S	2	b	29.57	-1.7	54	53	-5	SE	3	0	m	57	49	—		
	Leith ...	29.70	60	ENE	2	c	29.41	-2.4	56	54	+1	E	1	0	c	66	52	0.11		
	Shields ...	29.74	55	SE	4	c	29.56	-2.6	53	53	0	ENE	5	0	4	67	49	0.21		
	Spurn Head ...	29.75	55	ENE	4	c	29.54	-2.5	62	61	+1	SE	5	0	4	63	54	0.34		
	York ...	29.73	56	E	2	c	29.52	-2.7	53	53	+3	SE	1	0	c	69	54	0.44		
	Loughborough	29.75	57	S	1	0	29.58	-2.4	65	62	+5	SW	3	0	c	71	56	0.30		
BRITISH ISLANDS.	Ardrossan ...	29.68	62	W	0	b	29.37	-2.9	56	55	-1	WNE	3	0	m	63	52	0.18		
	Malin Head ...	29.62	53	E	5	0	29.32	-2.4	61	53	+6	S	3	0	1	64	52	0.14		
	Mullaghmore ...	29.49	52	E	3	T	29.22	-2.4	63	61	+2	SW	3	0	4	70	52	0.13		
	Belmullet ...	29.68	56	SE	4	m	29.37	-2.9	65	63	+2	WNW	4	0	2	65	56	0.18		
	Donaghadee ...	29.70	66	SE	5	0	29.32	-2.6	64	53	+1	SW	3	0	3	71	57	0.33		
	Holyhead ...	29.69	58	E	3	Tmg	29.49	-2.1	53	53	-2	SW	4	0	4	67	55	0.60		
	Parsonstown ...	29.59	57	SE	1	T	29.40	-1.9	63	61	+2	SW	1	0	4	65	56	0.33		
	Valencia ...	29.41	62	S	4	Tm	29.38	-1.2	63	61	+2	SW	4	0	4	63	57	0.71		
	Roche's Point	29.53	58	SE	5	T	29.45	-1.2	60	53	+7	SW	4	0	4	71	53	1.10		
	Pembroke (St. Ann's Hd.)	29.67	57	SE	4	T	29.57	-1.1	60	53	+7	SW	4	0	4	63	56	0.47		
GERMANY & HOLLAND.	Scilly ...	29.67	63	SW	5	0	29.61	-0.9	64	62	+2	SW	4	0	4	64	60	0.13		
	Prawle Point ...	29.78	57	S	1	T	29.69	-0.1	53	53	+5	SW	3	0	2	60	54	0.23		
	Jersey (St. Aubin's)	29.85	65	W	4	0	29.78	+0.3	65	63	+2	SW	4	0	3	66	61	0.23		
	Hurst Castle ...	29.77	61	S	3	b	29.72	-0.6	62	62	+4	SW	7	0	3	64	58	0.16		
	Dungeness ...	29.77	62	E	2	c	29.74	-0.9	60	5	+3	SW	6	0	5	65	53	0.07		
	North Foreland	29.75	60	SE	2	c	29.72	-1.0	63	61	+2	SW	5	0	4	68	53	—		
	London ...	29.78	65	SE	2	0	29.70	-1.5	64	63	+1	SW	2	0	4	67	53	0.05		
	Oxford ...	29.78	60	SE	1	0	29.64	-1.1	64	62	+2	SW	3	0	4	66	56	0.04		
	Cambridge ...	29.78	66	SE	1	0	29.65	-1.1	65	63	+2	S	6	0	4	72	56	0.07		
	Yarmouth ...	29.81	60	SE	4	b	29.67	-1.5	62	61	+1	SW	4	0	3	64	56	0.15		
FRANCE AND BELGIUM.	Cuxhaven ...	29.90	53	WNW	3	c	29.94	+0.7	58	56	0	SE	2	0	b	61	57	—		
	Berlin ...	29.88	62	SE	1	T	29.85	+0.2	57	53	-2	WN	2	0	b	70	52	0.24		
	Wiesbaden ...	29.83	63	SE	1	0	29.83	-0.7	63	62	+1	W	0	0	b	68	46	0.22		
	Munich ...	29.87	57	SW	5	0	29.85	-0.5	58	58	0	SW	5	0	1	70	53	0.12		
	The Helder ...	29.90	62	WNW	1	b	29.84	-0.5	53	57	-1	SE	1	0	1	66	57	0.04		
	Brussels (9 a.m.)	29.87	64	W	2	b	29.87	-0.6	64	62	+2	SW	3	0	4	64	54	0.12		
	Cape Gris Nez	29.87	67	SW	3	0	29.83	-0.2	63	62	+1	S	2	0	4	72	61	0.24		
	Paris ...	29.87	67	SW	3	0	29.83	-0.2	63	62	+1	SW	3	0	4	72	61	0.24		
	Brest ...	29.87	67	SW	3	0	29.83	-0.2	63	62	+1	SW	3	0	4	72	61	0.24		
	Lorient ...	29.87	64	SW	4	0	29.84	-0.2	64	62	+1	SW	5	0	5	68	61	—		
FRANCE AND BELGIUM.	Rocheport ...	29.80	69	WNW	5	c	29.82	-0.5	63	4	-3	SE	2	0	c	72	63	—		
	Belfort ...	29.80	69	WNW	5	c	29.82	-0.5	63	4	-3	SE	2	0	c	72	63	—		
	Lyons ...	29.84	72	ENE	1	b	29.84	-0.2	63	60	+3	S	1	0	b	76	57	—		
	Nice ...	29.87	68	SW	1	c	29.87	+0.7	64	61	0	E	2	0	c	72	53	—		
	Perpignan ...	29.84	61	SE	1	b	29.81	-0.7	74	64	+9	NE	1	0	b	72	53	—		
	Biarritz ...	29.80	72	WNW	2	b	29.81	-1.3	67	64	+3	SW	2	0	2	72	63	—		
	Corunna ...	29.80	65	WNW	4	b	29.83	-0.6	68	63	0	WNW	4	0	c	81	63	—		
	Lisbon ...	29.80	65	WNW	4	b	29.83	-0.6	68	63	0	WNW	4	0	c	81	63	—		
	Lisbon ...	29.80	65	WNW	4	b	29.83	-0.6	68	63	0	WNW	4	0	c	81	63	—		
	Lisbon ...	29.80	65	WNW	4	b	29.83	-0.6	68	63	0	WNW	4	0	c	81	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 Tuesday, 27th June, 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—

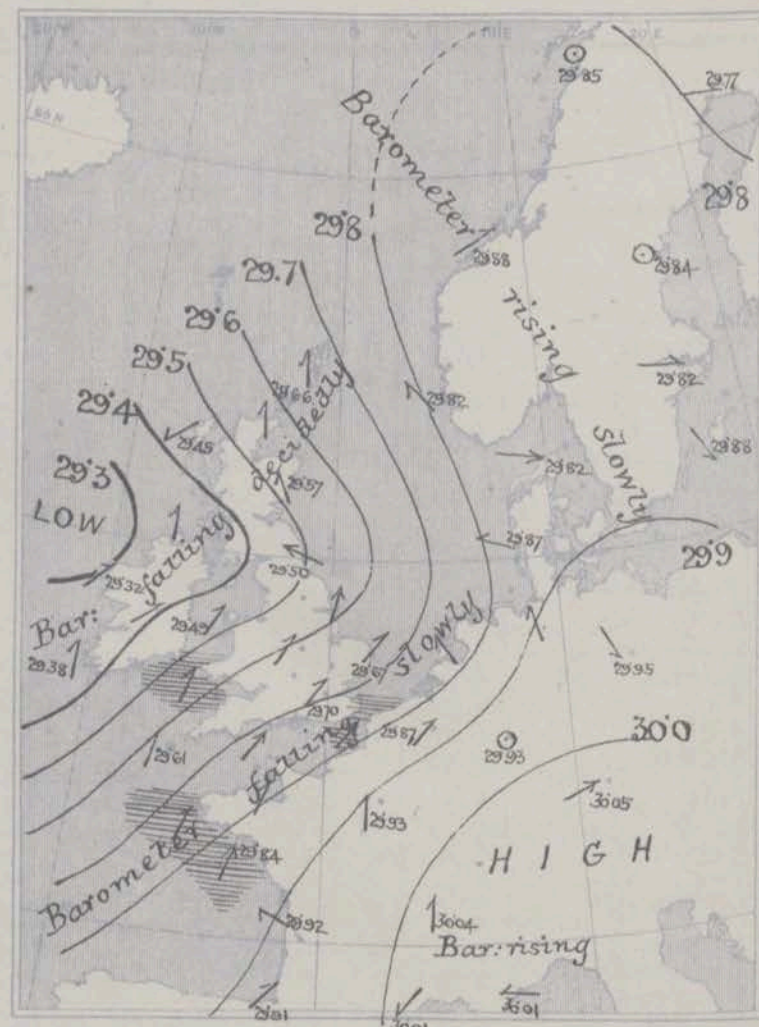
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

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

During the 25 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Sornoway	29.870
Wick	29.808
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ayrton	29.982
Mullaghmore	29.996
Donaghadee	29.996
Holyhead	29.996
Liverpool	29.996
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Sally	29.980
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.980
Cambridge	29.985
Yarmouth	29.977



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.

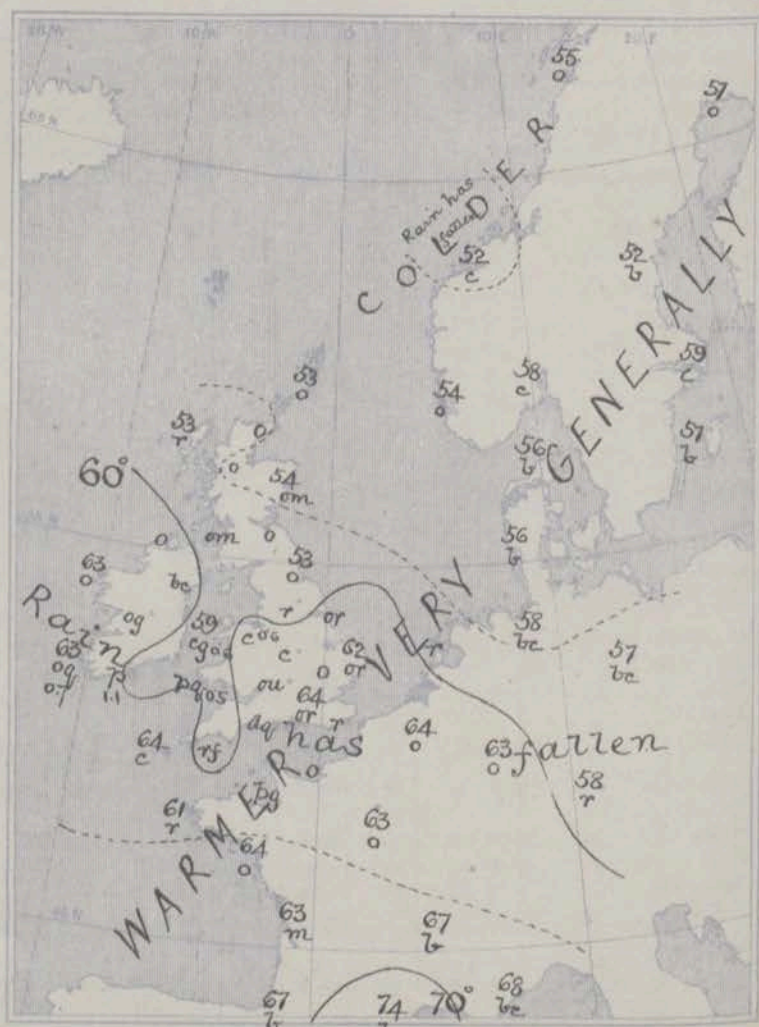
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet.	
Sumburgh Head	54.6	45.0	50.3	48.6	1.98
Sornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.0	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.50
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.0	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.6	57.8	53.0	2.22
Ayrton	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.9	52.8	1.62
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Sally	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.01
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.9	52.5	58.2	54.9	1.39
LONDON	60.1	50.6	58.9	54.6	2.11
Oxford	60.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in. and more to 29.9 in. over Spain, France, and Germany; 29.8 in. and more over Scandinavia.

Lowest, about 29.3 in. off the extreme northwest of Ireland, and 29.5 in. over the north of England.

Gradients moderate.

Barometer is apparently rising over Scandinavia, falling elsewhere, but unsteadily in the far west.

TEMPERATURE

Highest, 74° at Perpignan, 67° at Biarritz and Lyons, 65° at Loughborough.

Lowest, 52° at Harisund, Christiansund and Wick, 53° at Lumburgh H'd and Shields.

The maxima recorded yesterday exceeded 70° at a few of our stations, but in most places they were below 65°; the night was warm generally.

WIND

SW^{ly} to S^{ly} over Ireland and England, and blowing strongly on our south and southeast coasts.

S^{ly} to E^{ly}, and moderate, in Scotland; variable and calm over Scandinavia; NW^{ly} over the Baltic.

WEATHER

Cloudy, or overcast in almost all parts of our Islands and their neighbourhood, and rain is falling at several stations. On the Swedish coast, however, and in the south and southwest of France the sky is clear.

Rain has fallen very generally over Ireland, England and the north of France; in Ireland the fall has been very considerable.

SEA

Rather rough at Pembroke, Dungeness, and off Ushant, moderate in the English Channel generally and on our east and northeast coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which has reached our western coasts in the night is spreading well over the Kingdom, and is rather complex. Further falls of rain are probable in all districts.

FORECASTS

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

DISTRICTS.

FORECASTS.

0 SCOTLAND NORTH

1 SCOTLAND EAST

2 ENGLAND N.E.

3 ENGLAND EAST

4 MIDLAND COUNTIES

5 ENGLAND SOUTH

SE^{ly} winds, freshening; dull, rainy.

Same as No 5

SW^{ly} and S^{ly} winds, fresh or strong; dull, close, rainy, some bright intervals.

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

SW^{ly} and S^{ly} winds, fresh; dull, close, rainy.

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 ...	4	58	58	4	4	C	3	Valencia ...	49.53	61	61	5	5	Tm	5
Sumburgh Head ...	29.69	58	52	N	1	bc	2	Scilly ...	49.72	63	63	5	5	m	4
Stornoway ...	29.73	58	49	N	2	c	3	Jersey ...	49.81	66	64	W	4	ogm	3
Aberdeen ...	29.75	59	50	S	2	c	1	Hurst Castle ...	49.74	62	60	E	3	og	3
Shields ...	29.77	59	52	SE	1	c	2	Dungeness ...	49.75	64	62	S	2	c	2
Ardrossan ...	29.75	59	54	SW	1	c	0	North Foreland ...	49.77	62	59	ENE	3	bc	3
Malin Head ...	29.72	58	53	ENE	3	bc	1	London ...	49.86	63	56	SE	2	c	3
Mullaghmore ...								Yarmouth ...	49.82	60	59	SE	4	bc	3
Belmullet ...	29.69	62	56	E	3	c	2	Rocheport ...	48.01	70	65	W	5	c	2
Holyhead ...	29.77	61	56	W	1	c	2								

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

Weather cloudy and showery over the Channel and south of England, but fair or fine in most other parts of the United Kingdom, and also over a considerable portion of the Continent. Foggy over the Gulf of Finland, rainy over many parts of Finland and Scandinavia; dull over the northern parts of Italy and the Adriatic with rain at Trieste. Rain setting in later in the west of our Islands, and spreading quickly northwards and eastwards, amounts large at several of our western stations.

Temperature risen in most parts of western and northwestern Europe, but fallen in many of the eastern, central, and southern regions. Morning readings highest 83° at Brindisi, 77° at Oran, 76° at Algiers and La Cella, and 75° at Barcelona; above 70° in many parts of southern Europe, above 65° over Russia, and as high as 64° at Rostov. Lowest (1) 50° at Lumburgh Head and Stornoway, and 53° at Wick, (2) 51° at Hunsford and Hango, and 52° at Helsingfors; (3) 53° at Wiesbaden and 54° at Breslau; (4) 54° at Braunschweig. Rising during day to a little above 70° at some of the English stations, to 75° or more over the southern part of France and to 84° at Perpignan.

Wind fresh from W. or SW. in the west of France, light from S. or SE. over the eastern parts of England and France; light to moderate from the E. on our south and southwest coasts. Light W. to N. in Scotland, moderate to strong from the W. over Denmark, Germany, and the southern parts of Scandinavia; light from S. or SE. over the northern parts of Russia and Scandinavia. Variable over Spain, Italy, and Algeria. Subsequently shifting to the S. on our southwest coasts and to the SE. in the north and northeast of our Islands.

Barometer highest 30.0 in. to 30.1 in. or more in an anticyclone lying over Spain, Algeria, the western part of the Mediterranean, and the southern parts of France and Germany, as well as in another system over the north of Russia. Lowest 29.5 in. and less, in a large depression over Norway, 29.7 in. and less, in a complex system lying off our southwest coasts, 29.8 in. and less, over the Black Sea and the southern part of Russia. Depression in southwest subsequently breaking up, but new and deeper disturbance advancing over Ireland from the Atlantic.

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 8 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 28TH JUNE 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).	SHADE TEMP.		Amount of Rainfall.			
				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.		
Inch.	°			Inch.	°	°	°							Inch.						
SCANDINAVIA.	Haparanda ...	29.81	61	2	0	bc	29.72	+15	69	65	+10	2	0	0	bc	72	50	0.24		
	Hernösand ...	29.82	54	2	2	bc	29.91	+7	62	57	+10	2	0	0	bc	68	48	—		
	Stockholm ...	29.91	62	2	0	c	29.86	+14	63	58	+4	4	2	0	c	68	54	—		
	Wisby ...	29.85	53	2	4	bc	29.88	+11	59	56	+2	NW	4	0	bc	66	52	—		
	Bodö ...	29.83	53	N	1	c	29.80	+08	59	53	+4	N	1	0	c	59	50	—		
	Christiansund...	29.86	59	NW	4	bc	29.69	-13	53	54	7	ENE	4	bc	2	59	50	—		
	Skudesnaes ...	29.77	56	E	4	0	29.60	-12	57	54	+3	E	4	0	4	58	52	—		
	Christiania Fjord (Færder)	29.87	58	S	5	c	29.79	+02	58	54	0	ESE	6	0	3	61	57	—		
	Skagen (The Scaw)	29.77	59	S	2	0	29.55	-22	53	58	+5	S	4	7	2	60	53	0.04		
	Fanö ...	29.78	60	NW	6	7	29.71	-16	62	56	+6	NW	2	0	7	66	56	0.51		
BRITISH ISLANDS.	Sumburgh Head	29.60	53	NW	4	0	29.41	-19	53	53	0	ENE	2	7	5	57	53	0.21		
	Stornoway ...	29.36	58	SE	4	0	29.26	-10	57	56	+1	2	0	0	0	60	50	0.06		
	Wick ...	29.46	53	SE	7	7	29.34	-12	60	58	+2	S	2	0	7	60	50	0.10		
	Nairn ...	29.57	62	E	1	bc	29.49	-8	61	61	0	2	0	0	bc	60	46	0.40		
	Aberdeen ...	29.43	54	SE	1	og	29.36	-7	60	58	+2	S	2	bc	2	61	57	0.55		
	Leith ...	29.42	68	NW	2	0	29.32	-10	66	59	+7	S	1	bc	0	69	53	0.11		
	Shields ...	29.48	68	NW	3	c	29.39	-9	62	60	+2	NW	4	c	2	71	53	—		
	Spurn Head ...	29.53	69	NW	3	c	29.52	-1	65	60	+5	NW	5	c	5	70	56	0.02		
	York ...	29.52	70	S	3	c	29.47	-5	65	60	+5	S	3	c	2	70	57	0.01		
	Loughborough	29.53	67	NW	2	7	29.53	0	64	57	+7	NW	4	og	7	77	58	0.23		
BRITISH ISLANDS.	Ardrossan ...	29.57	59	NW	2	7	29.48	-9	57	56	+1	NW	2	0	3	67	54	0.22		
	Malin Head ...	29.48	61	2	0	og	29.44	-4	57	57	-4	NW	2	og	0	69	57	0.72		
	Mullaghmore ...	29.44	61	NW	2	bc	29.43	-1	57	58	-4	NW	2	0	0	66	57	0.20		
	Belmullet ...	29.46	62	S	6	0	29.46	-13	57	57	-6	S	4	0	2	70	57	0.25		
	Donaghadee ...	29.57	66	NW	2	0	29.42	-15	64	59	+5	NW	3	c	2	70	58	—		
	Holyhead ...	29.47	60	NW	5	omf	29.38	-9	58	57	-1	NW	5	omf	4	omf	58	50	0.27	
	Parsonstown ...	29.51	63	NW	1	7	29.54	+3	59	58	-4	NW	1	0	7	70	56	0.22		
	Valencia ...	29.51	61	NW	5	bc	29.57	+6	56	53	-7	NW	7	omf	6	omf	69	54	0.09	
	Roche's Point	29.56	62	NW	5	c	29.52	+07	60	56	0	NW	5	c	4	65	57	0.15		
	Pembroke (St. Ann's Hd.)	29.51	61	NW	4	c	29.50	-1	59	58	-1	NW	6	og	6	c	62	57	0.08	
BRITISH ISLANDS.	Scilly ...	29.58	65	NW	5	c	29.68	+10	62	57	-2	NW	5	c	4	c	69	56	—	
	Prawle Point ...	29.67	57	S	5	7	29.68	+1	57	57	0	NW	5	om	4	74.7. m	57	57	0.12	
	Jersey (St. Aubin's)	29.74	64	NW	3	bc	29.80	+6	60	58	-5	NW	5	omf	4	bc	72	58	0.04	
	Hurst Castle ...	29.71	60	NW	6	bc	29.70	-1	62	62	0	NW	7	bc	4	bc	69	58	0.41	
	Dungeness ...	29.71	63	S	2	c	29.70	-1	63	61	+2	NW	5	c	5	bc	64	57	0.02	
	North Foreland	29.69	66	NW	4	og	29.68	-1	66	62	+4	NW	4	og	3	og	69	57	—	
	London ...	29.69	63	NW	3	og	29.67	-2	61	59	+2	NW	3	og	3	og	70	57	0.29	
	Oxford ...	29.66	60	NW	3	bc	29.61	-5	63	57	+6	NW	5	c	3	og	70	58	0.26	
	Cambridge ...	29.65	66	S	6	0	29.62	-3	61	57	+4	S	6	c	3	og	70	58	0.25	
	Yarmouth ...	29.64	71	NW	5	og	29.64	0	65	60	+5	NW	5	og	4	og	74	56	0.08	
GERMANY & HOLLAND.	Cuxhaven ...	29.89	67	S	2	bc	29.83	-6	67	65	+2	NW	2	bc	3	bc	68	58	0.08	
	Berlin ...	29.95	67	SE	2	bc	29.90	-5	68	62	+6	SE	3	bc	3	bc	72	57	—	
	Wiesbaden ...	29.96	66	S	2	bc	29.89	-7	67	63	+4	NW	2	bc	3	bc	70	57	0.04	
	Munich ...	29.96	66	S	2	bc	29.89	-7	67	63	+4	NW	2	bc	3	bc	70	57	0.04	
	The Helder ...	29.78	63	NW	5	c	29.76	-2	64	61	+3	NW	3	c	3	c	64	57	0.20	
	Brussels (9 a.m.)	29.71	70	NW	2	bc	29.71	0	62	60	+2	NW	1	0	bc	74	60	0.08		
	Cape Gris Nez	29.81	72	S	2	bc	29.81	0	64	62	+2	S	2	0	bc	70	57	0.16		
	Paris ...	29.81	68	NW	3	c	29.81	0	60	58	+2	NW	3	0	bc	68	51	0.04		
	Brest ...	29.81	64	NW	5	0	29.81	0	62	60	+2	NW	4	0	0	70	61	—		
	Lorient ...	29.81	64	NW	5	0	29.81	0	62	60	+2	NW	4	0	0	70	61	—		
FRANCE AND BELGIUM.	Roche fort ...	29.86	71	NW	4	bc	29.86	0	62	61	+1	NW	4	bc	3	bc	70	61	—	
	Belfort ...	29.86	71	NW	4	bc	29.86	0	62	61	+1	NW	4	bc	3	bc	70	61	—	
	Lyons ...	29.90	64	SE	1	bc	29.96	+6	72	61	+11	S	1	c	3	bc	80	62	—	
	Nice ...	29.90	67	NW	2	bc	29.90	0	71	64	+7	S	2	0	bc	78	61	—		
	Perpignan ...	29.90	74	NW	3	bc	29.91	+1	71	67	+4	S	3	0	0	78	61	—		
	Biarritz ...	29.86	70	NW	5	bc	29.85	-1	69	65	+4	S	5	0	0	78	61	—		
	Corunna ...	29.86	70	NW	5	bc	29.85	-1	69	65	+4	S	5	0	0	78	61	—		
	Lisbon ...	29.86	70	NW	5	bc	29.85	-1	69	65	+4	S	5	0	0	78	61	—		
	Lisbon ...	29.86	70	NW	5	bc	29.85	-1	69	65	+4	S	5	0	0	78	61	—		
	Lisbon ...	29.86	70	NW	5	bc	29.85	-1	69	65	+4	S	5	0	0	78	61	—		

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Wednesday, 28th June 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—

→ force above 10; → force 8 to 10;

→ force 5 to 7; → force 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, it is shown thus—

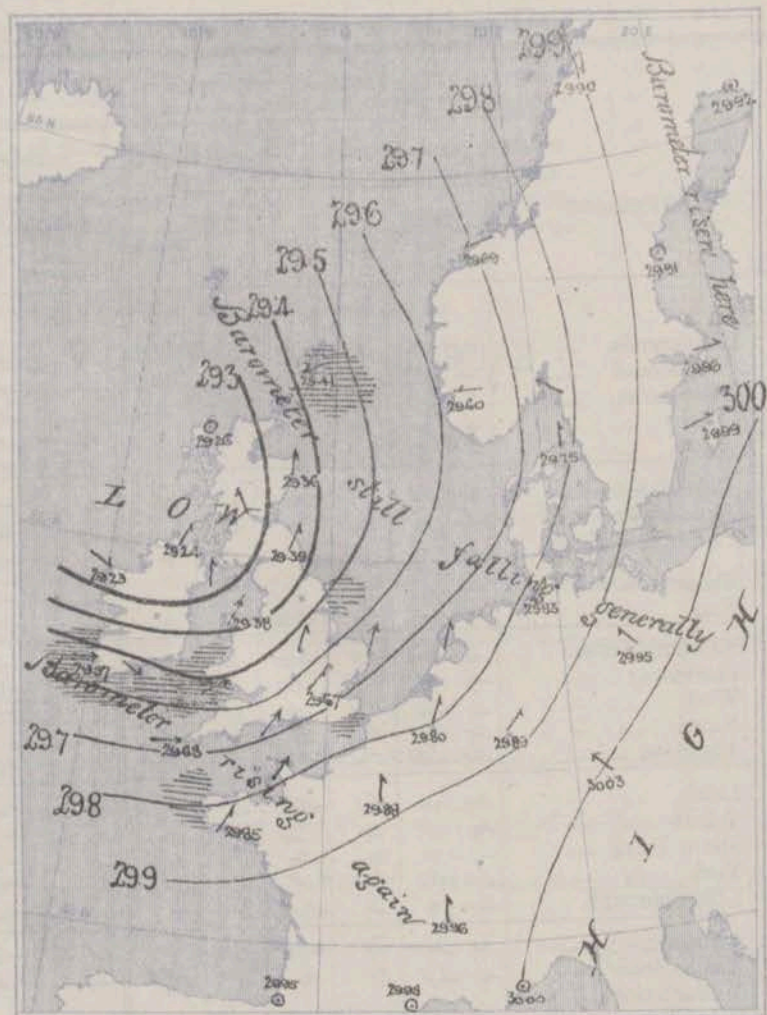
■ = Rough. ■ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871–1890.

STATIONS	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrrossan	29.982
Mullaghmore	29.986
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.973
Roche's Point	29.973
Pembroke	29.974
Selly	29.986
Pravle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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.

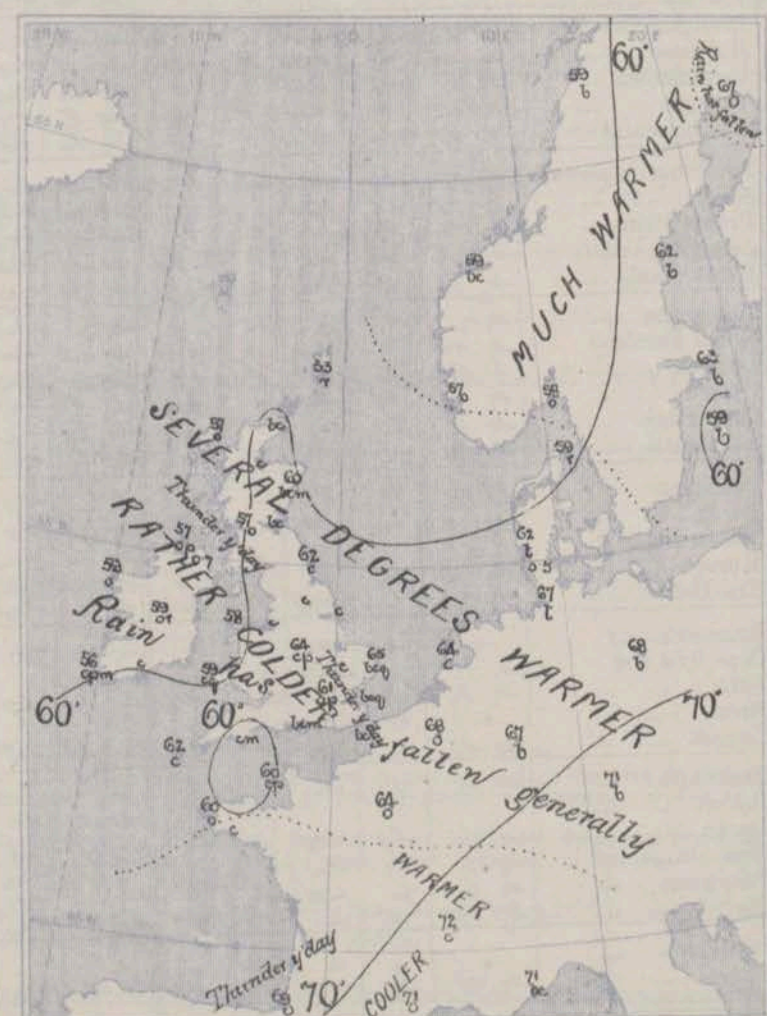
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, 8 a.m.	Wet	
Sumburgh Head	54.0	45.0	50.3	48.0	1.98
Stornoway	58.0	45.0	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.9	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.0	47.9	55.9	52.3	1.80
Shields	60.0	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.34
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.0	49.0	57.8	53.9	2.22
Ardrrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.0	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.0	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.83
Parsonstown	64.5	48.5	56.0	52.0	2.39
Valencia	62.2	51.1	57.2	54.3	3.25
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Selly	61.3	53.0	57.3	55.2	1.84
Pravle Point	61.5	56.5	56.0	54.0	1.60
Jersey	64.0	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.0	57.7	55.5	1.92
Dover	62.0	52.5	58.2	54.0	1.59
LONDON	69.1	50.0	58.9	54.0	2.11
Oxford	66.0	49.5	56.8	53.3	2.21
Cambridge	68.0	48.5	58.1	54.7	2.25
Yarmouth	62.0	51.1	56.0	54.0	1.88

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 Spain, the south of France, and south and east of Germany.
Lowest, 29.3 in. and less, over the northern parts of Ireland, and the west and north of Scotland.

Gradients moderate; distribution of pressure explains.

Barometer rising rather decidedly on our southwestern coasts, falling in the north, but the rise in the southward is spreading northwards.

TEMPERATURE

Highest, 71° to 72° in the south of France and at Munich, and above 60° over France, Germany, Sweden, and Great Britain generally.

Lowest, 53° at Lumburg Head, 56° at Valence (Ireland) and 57° at Malin Head and Stenavay.

The maxima recorded yesterday exceeded 70° in many parts of England and France, and was as high as 77° at Loughsuff, 80° at Lymington, 83° at Paris, &c.

WIND

Moderate E. at the Norwegian stations, light S. in Scotland, very fresh from S. and SW. over England, and strong W. on our southwestern coasts. Hunt Castle reports a moderate gale from SW.

WEATHER

Fine and bright over Germany, cloudy and changeable elsewhere, with rain showers in several places, thunder at Paris and Copenhagen.

Rain fell in showers at most stations yesterday - the largest amounts measured were 0.72 in. at Malin Head, and 0.41 in. at Hunt Castle; thunder occurred at a few stations.

SEA

Rough on our southern coasts, rather so in the Channel and at Lumburg H., moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Passing showers are likely to occur in many places today, with bright intervals. Temperature will probably fall considerably (but temporarily) over England tonight.

FORECASTS

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

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

1 SCOTLAND
EAST

2 ENGLAND
N.E.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

5 ENGLAND
SOUTH

S^W and S^W breezes; changeable, passing showers.

S^W breezes, fresh; some showers, bright intervals, cool at night.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

7 ENGLAND
N.W.

8 ENGLAND
S.W.

9 IRELAND
NORTH

10 IRELAND
SOUTH

S^W and W^W breezes; unsettled, showery.

Wind veering to W, fresh or strong to moderate; showery, changeable.

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 ...	29.28	58	51	SE	1	C	1	Valencia ...	29.28	68	62	S	5	sm	5
Sumburgh Head ...	29.64	52	54	SE	4	0	5	Scilly ...	29.58	66	68	SE	5	C	4
Stornoway ...	29.28	60	59	SE	4	0	4	Jersey ...	29.78	70	68	SE	4	C	1
Aberdeen ...	29.48	52	52	SE	4	sgm	4	Hurst Castle ...	29.71	62	62	SE	7	sm	8
Shields ...	29.47	71	65	SE	4	C	8	Dungeness ...	29.74	63	63	SE	5	of	5
Ardrossan ...	29.40	61	58	SE	3	om	2	North Foreland ...	29.71	69	66	SE	6	C	4
Malin Head ...	29.22	60	58	E	3	of	1	London ...	29.69	69	68	SE	4	of	3
Mullaghmore ...								Yarmouth ...	29.68	74	68	SE	4	of	3
Belmullet ...	29.29	66	68	S	8	0	*	Rochefort ...	29.84	82	77	NW	8	C	*
Holyhead ...	29.51	62	60	SE	5	omg	4								

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

Weather dull over our Islands and their immediate neighbourhood with rain in many places; dull also in many parts of Russia, Austria and south Germany, and rainy at Koenigsberg and Munich. Fine and bright at several of the Danish and Scandinavian stations, as well as over southern Europe generally. Rain falling during day in nearly all parts of Northern Europe; thunder and lightning occurring in the south of England and thunder heard at Malin Head.

Temperatures fallen in Russia and Italy, but risen in nearly all other countries. Morning readings highest 82° at Constantinople, 80° at Algiers, 79° at Barcelona, 78° at Palma and Ifrac, and 77° at Brindisi, above 70° in many of the southern countries, and ranging between 60° and 65° over the greater part of Ireland and England. Lowest 52° at Helsingfors, Christiansund, and Thiel, 53° at Hango, Sumburgh H., Stornoway, and Shields, and 54° at Skudesnaes and Aberdeen. Rising during day to between 70° and 75° in many parts of Ireland and England, and reaching 77° at Loughborough and 80° at Cambridge. Exceeding 80° at some of the French stations, and reaching 88° at Lyons.

Wind S³ or SW³ over Ireland, England, the west and north of France, and the north of Spain, and strong in force over the eastern parts of the English Channel. Light or moderate from the SE² or E² over Scotland and the eastern shores of the North Sea. W³ or NW³ over the Baltic and the south of Sweden, variable in Russia, Germany, and Austria, NW² in Italy, NE² over the central and southern parts of Spain. Subsequently increasing to a moderate gale from the SE² in Caithness, veering to the W² in the west of France; no important change occurring elsewhere.

Barometer highest 30.0 ins. and upwards in a large anticyclone extending from Algeria to northern Italy, Switzerland, and the southern part of France and Germany, as well as in smaller systems lying respectively over eastern Austria and over the southwest of Spain. Lowest, 29.3 ins. and less in a depression lying off the northwest of Ireland; 29.8 ins. and less in a large shallow area over northern Russia. Depression in northwest spreading eastwards during day, and barometer falling in all part of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 29th June,

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 5 P. and Sea Level.	Dry Bulb.	Dirac.	Force (0 to 12).	Weather.		Reading at 5 P. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dirac.	Force (0 to 12).	Weather.	Sea (0 to 9).			Weather.	Max.	Min.	Amount of Rainfall.
	Inch.	°					Inch.		°	°	°								°	Inch.	
SCANDINAVIA.	Haparanda ...	29.95	61	SW	2	bc	29.97	+0.05	61	60	- 6	SW	2	c	#			bc	75	64	-
	Hernösand ...	29.93	57	S	2	bc	29.93	+0.02	60	57	- 2	NE	2	c	#			bc	70	43	-
	Stockholm ...	29.95	62	S	2	b	29.96	0.00	61	55	- 2	S	2	0	#			b	72	54	-
	Wisby ...	29.98	63	S	4	c	29.96	- 0.03	64	56	+ 5	S	1	0	#			c	72	54	-
	Bodö ...	29.82	64	E	2	b	29.77	- 0.13	62	57	+ 3	SW	1	b	1			b	64	57	-
	Christiansund...	29.67	64	NNW	1	b	29.68	- 0.01	65	58	+ 6	ESE	1	b	1			b	72	55	-
	Skudesnaes ...	29.58	57	SSE	6	0	29.67	+0.07	57	55	0	SSE	6	0	5			c, of	60	54	-
	Christiania Fjord (Furber)	29.81	59	SSE	3	0	29.81	+0.02	59	59	+ 1	SSE	4	0	2			0	59	55	-
	Skagen (The Scaw)	29.78	59	SW	2	c	29.83	+0.05	62	60	+ 3	SSW	1	bc	0			c	68	57	0.02
	Fanö ...	29.79	61	SW	3	b	29.81	+0.10	61	58	- 1	SW	4	b	#			b	70	61	0.12
BRITISH ISLANDS.	Sumburgh Head	29.43	58	ESE	2	f	29.51	+0.10	54	54	+ 1	ESE	1	f	4			of	58	51	0.20
	Stornoway ...	29.34	61	N	2	c	29.60	+0.34	56	53	- 1	NW	4	c	4			c	66	52	0.02
	Wick ...	29.36	58	SW	2	c	29.56	+0.22	58	56	- 2	N	4	c	1			c	64	50	-
	Nairn ...	29.33	62	Z	0	r	29.58	+0.30	59	56	- 4	N	3	c	2			tr	68	53	0.16
	Aberdeen ...	29.27	58	S	2	b	29.53	+0.26	65	59	+ 5	N	1	c	2			bc, b	65	55	0.01
	Leith ...	29.35	63	SSW	1	bc	29.64	+0.32	59	55	- 7	N	4	c	#			bc	68	56	0.03
	Shields ...	29.44	65	SW	4	c	29.66	+0.27	59	57	- 3	WSW	5	c	2			p, r, c	60	55	0.01
	Spurn Head ...	29.57	61	WSW	6	c	29.74	+0.22	60	56	- 5	N	5	c	3			cq	71	56	-
	York ...	29.53	62	S	5	c	29.77	+0.30	60	56	- 5	N	4	c	#			c	69	57	0.14
	Loughborough	29.65	63	WSW	4	c	29.86	+0.31	62	57	- 2	N	3	c	#			c, qp	73	55	0.02
GERMANY & HOLLAND.	Arrossan ...	29.37	60	SW	3	0	29.70	+0.42	56	54	- 1	WSW	5	c	3			0	61	54	0.03
	Malin Head ...	29.41	58	WSW	3	0.2	29.80	+0.66	53	52	- 4	NW	5	0.2, p	3			0	63	53	0.02
	Mullaghmore ...																				
	Belmullet ...	29.61	58	NW	6	op	29.96	+0.73	57	53	- 2	WSW	3	bc	#			op	62	54	0.17
	Donaghadee ...	29.62	62	WSW	2	c	29.82	+0.56	58	56	- 1	N	4	c	2			op	66	56	0.87
	Liverpool (Bidston)	29.55	65	SW	5	0	29.87	+0.45	56	54	- 8	N	6	0	5			0	67	57	0.01
	Holyhead ...	29.52	58	SW	5	og	29.90	+0.52	56	54	- 2	N	4	cq	3			c, og	63	55	0.03
	Parsonstown ...	29.58	58	SW	2	0	29.99	+0.65	58	55	- 1	NW	1	bc	#			0	57	51	0.10
	Valencia ...	29.84	58	N	7	om	30.06	+0.49	59	56	+ 3	N	2	c	3			om	60	54	-
	Roche's Point	29.74	59	WSW	5	c	30.03	+0.51	60	55	0	NW	3	b	3			c	61	50	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.64	58	WSW	6	c	30.00	+0.50	57	56	- 2	WSW	4	b	5			c	60	56	-
	Scilly ...	29.53	62	N	6	c	30.07	+0.39	61	56	- 1	WSW	4	c	4			c	64	53	-
	Prawle Point ...	29.85	59	WSW	6	b	30.05	+0.35	59	55	0	N	5	c, m	4			b	62	52	-
	Jersey (St. Aubin's)	29.92	64	WSW	5	b	30.09	+0.29	63	57	+ 3	N	4	bc, m	4			c, b	67	57	-
	Hurst Castle ...	29.81	62	WSW	8	b, m	29.99	+0.29	60	58	- 2	N	6	c, m	4			b, m	68	58	-
	Dungeness ...	29.78	63	WSW	6	b	29.92	+0.22	61	59	- 2	N	6	c	5			bc, b	66	57	-
	North Foreland	29.75	63	SSW	7	b	29.93	+0.25	61	56	- 5	N	2	og	2			bc, b, q	72	54	-
	London ...	29.76	65	SW	4	cp	29.95	+0.28	59	56	- 2	WSW	2	0	#			cq, b, o	72	55	0.01
	Oxford ...	29.76	60	WSW	4	c	29.93	+0.22	61	57	- 2	WSW	2	0	#			p, c	67	56	0.01
	Cambridge ...	29.68	67	S	7	b	29.89	+0.27	62	58	+ 1	SSW	5	bc	#			b	76	55	-
PENINSULA.	Yarmouth ...	29.67	70	WSW	5	bc	29.84	+0.20	61	58	- 1	WSW	5	c	3			bc, q	73	53	-
	Cuxhaven ...	29.86	62	WSW	1	bc	29.94	+0.11	64	61	- 3	WSW	3	b	#			bc	76	61	0.24
	Berlin ...	29.84	70	NW	1	bc	29.92	-0.03	69	65	+ 1	Z	0	c	#			bc	43	63	0.04
	Wiesbaden ...						30.04	+0.15	67	61	0	SW	1	c	#			#	81	57	0.04
	Munich ...	30.01	75	SW	6	0	30.13	+0.10	69	64	- 2	N	2	bc	#			0	84	63	0.04
	The Helder ...	29.82	63	SSW	5	b	29.92	+0.16	62	57	- 2	SW	6	bc	3			b	68	57	-
	Brussels (9 a.m.)						30.02	+0.22	61	55	- 7	WSW	5	b	#			c	78	53	0.32
	Cape Gris Nez	29.80	61	N	5	b	29.91	+0.20	59	56	- 3	N	5	m	5			b	66	55	-
	Paris ...	29.89	73	SW	3	c	30.09	+0.20	62	55	- 2	N	2	c	#			c	79	59	-
	Brest ...		63	WSW	3	b			59	56	- 1	WSW	3	bc	5			b	66	55	-
FRANCE AND BELGIUM.	Lorient ...	29.99	64	N	5	b	30.13	+0.28	60	56	- 2	NW	4	b	4			b	68	57	-
	Rochefort ...	29.99	71	N	4	c	30.08		62	60		NW	3	bc	#			c	75	59	-
	Belfort ...																				
	Lyons ...	29.92	77	S	1	bc	30.08	+0.12	68	64	- 4	N	1	0	#			bc, cl	82	61	0.24
	Nice ...	30.00	72	SW	2	b	29.99	-0.01	71	64	0	Z	0	b	1			b	79	63	-
	Perpignan ...	29.99	74	NE	3	bc	30.06	+0.08	73	70	+ 2	S	1	0	#			bc	80	63	-
	Biarritz ...	30.01	68	NW	3	0	30.15	+0.20	64	63	- 5	SE	2	0	2			0	73	63	0.04
	Corunna ...																				
	Lisbon ...	30.05	66	WSW	4	b	29.99	-0.07	68	62	- 1	WSW	5	b	#			b	75	63	-

For Explanation of Columns, see bottom of last page.

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

WEATHER CHARTS

for 8 a.m. on Thursday, 29th June, 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 3 to 4;

○ = flood calm.

SEA DISTURBANCE—Where considerable, is shown thus—

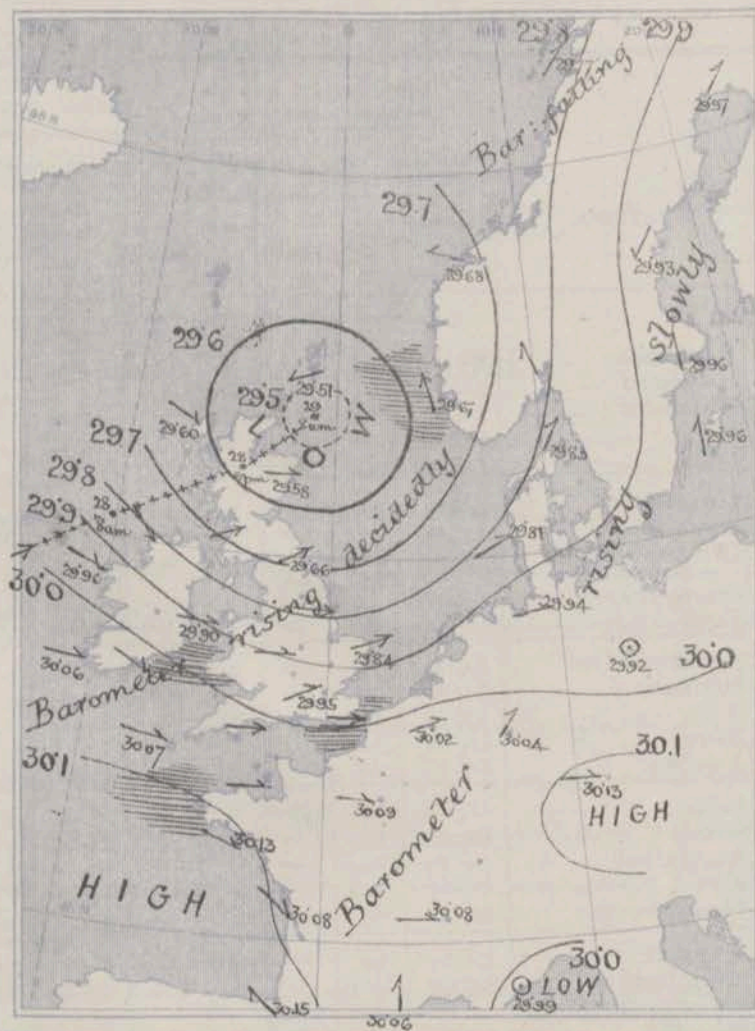
▨ = Rough. ▩ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.910
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardfrossan	29.982
Mullaghmore	29.986
Donaghadee	29.946
Holyhead	29.906
Liverpool	29.906
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.906
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.908
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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.

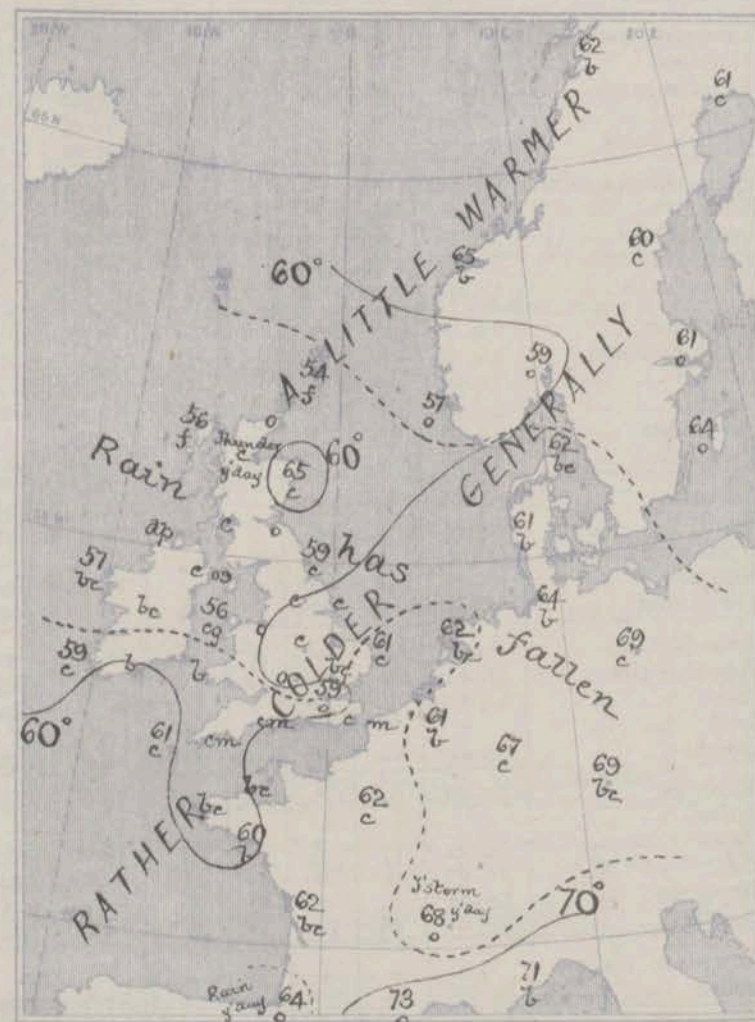
WEATHER—is shown by Letters of the Beaufort Scale.

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 June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry at 8 a.m.	Wet.	
Sumburgh Head	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardfrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.02
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.80
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.47
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.0	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.0	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	50.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

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 over the Bay of Biscay and Spain, and also over South Germany, and above 30.0 ins: over France, the south-west of England and the south of Ireland.
 Lowest, about 29.5 ins: in a depression lying off the north-east of Scotland.
 Gradients moderate over the British Islands, slight elsewhere.
 Barometer rising generally and decidedly over the United Kingdom.

TEMPERATURE

Highest, 71° to 73° in the south of France, 69° at Berlin and Munich, 65° at Aberdeen and Cheshamstead.
 Lowest, 53° at Malin Ht., 54° at Sumburgh Ht., 56° at Holyhead and Liverpool.

WIND

Light to moderate from S. and S.E. over Scandinavia, from S.W. in North Germany and the Netherlands; fresh to strong from W. over the Channel and England, moderate from N.W. over the Bay of Biscay and Ireland.
 It blew with the force of a moderate to fresh gale from S.W. and W. over the Channel and south of our Islands yesterday.

WEATHER

Clear in the west of France, cloudy but fair generally in most other places, showery in the north-west of Ireland, foggy at Stonyby.
 Rain has fallen generally at our northernmost, northern, and northwestern stations and over Germany, and some local showers in the south of our Islands and over France. At Donaghadee the fall amounted to 0.87 inch.

SEA

Rather rough at several of our western and south-western stations and in the Strait of Dover, moderate at our other southern stations and in the far north, smooth in the northeast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather is now inclined to clear up over England generally, the wind to fall light, and the day temperatures to rise.

FORECASTS

For the 24 hours ending at NOON on 30th June 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | NW ^{ly} and W ^{ly} winds, moderate to light; some few showers. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | W ^{ly} winds, moderate; fair as a whole, clear at times. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | W ^{ly} winds, fresh to moderate, then SW ^{ly} , light; fine generally, warmer. |
| 5 | ENGLAND SOUTH | |



DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | W ^{ly} to SW ^{ly} breezes, moderate; slight showers. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | Wind backing to S.W. or S. again; fine to showery, warmer. |
| 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 ...	29.62	60	57	S	6	c	5		Valencia ...	29.73	58	56	W	7	om	6
Sumburgh Head ...	29.62	58	58	E.N.E.	2	a	5		Scilly ...	29.60	64	59	W	5	c	5
Stornoway ...	29.29	65	62	N.E.	2	c	2		Jersey ...		64	61	SW	8	b	4
Aberdeen ...	29.37	63	57	S.S.E.	2	bc	2		Hurst Castle ...	29.78	66	63	W.S.W.	5	bc	4
Shields ...	29.41	66	61	S.W.	4	c	2		Dungeness ...	29.76	71	61	SW	7	bc	5
Ardrossan ...	29.32	58	57	S.S.E.	3	o	3		North Foreland ...	29.74	72	59	SW	5	c	*
Malin Head ...	29.33	61	59	W.N.W.	2	o	1		London (Westminster) ...	29.69	73	63	SW	6	bc q	4
Mullaghmore ...									Yarmouth ...	29.64	71	67	W.S.W.	3	o	*
Belmullet ...	29.44	60	59	W	3	op	#		Rochefort ...	29.88						
Holyhead ...	29.47	61	58	SW	5	c	4									

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

Weather changeable and showery in many parts of northwestern Europe, with thunder at Paris and Copenhagen. Fine and bright in the more central and southern countries, but dull in Russia, with rain at Krasnoe. Rain falling during day over the northern parts of the Kingdom generally, and showers at some of our southern stations, thunder heard at Nairn in evening, and thunderstorm occurring at Lyons.

Temperature fallen in the western parts of our Islands, but risen in most other localities. Morning readings highest 83° at Palma, 79° at Brindisi, and 77° at Laibach and Aumale; above 70° in many parts of southern Europe, and above 65° in Belgium, Germany, central Ireland and the north of Sweden. Lowest (1) 53° at Sumburgh H^d and 57° at Stornoway, Aberdeen, and Malin H^d; (2) 55° at Skango and 57° at Helsingfors, Riga and Moscow. Rising during day to 70° or more over the eastern, central, and southeastern parts of England, and reaching 76° at Cambridge. Exceeding 80° at several of the French and German stations, and reaching 84° at Munich.

Wind fresh or strong from the Wnd on our extreme southwest coasts, and from the SWnd in most other parts of Ireland and England, light from the Snd in Scotland; moderate from the End on the Norwegian coast. SE^{ly} in Germany, light from the Nnd or NWnd over Russia, Austria and Italy; variable over Spain, Algeria, and the south of France. Subsequently increasing to a moderate to fresh gale from the SWnd over the southeastern parts of England; rising to the NWnd in the north of Ireland.

Barometer highest 30.0 in. and upwards, in a large anticyclone extending from the Mediterranean across Italy and Austria to Poland and Eastern Germany, as well as in a smaller system lying over Spain. Lowest 29.3 in. and less in a well marked depression over the northern parts of the United Kingdom; gradient rather steep over Ireland and England. Depression subsequently travelling northward across Scotland, and beginning to fill up; barometer rising 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.

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Friday, 30th June,

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.	Shade Temp.					
Reading at 32° F. and Sea Level.	Dry Bulb.	Dir.	Force (0 to 12).	Reading at 32° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Dir.	Force (0 to 12).	Weather.	Sea (0 to 9).	Weather.	Max.	Min.	Amount of Rainfall.				
																		Inch.		
SCANDINAVIA.	Haparanda ...	29.93	58	3	2	bc	29.88	-0.05	59	57	- 2	S	2	0	#	bc	66	57	-	
	Hernösand ...	29.93	55	SE	2	bc	29.93	+0.00	56	53	- 4	Z	0	#	bc	63	46	0.04		
	Stockholm ...	29.95	59	Z	0	b	29.93	-0.03	60	59	- 1	W	2	#	b	64	57	0.08		
	Wisby ...	29.95	64	S	4	c	29.95	-0.01	63	61	- 1	W	2	#	c	73	55	-		
	Bodö ...	29.76	62	NE	2	bc	29.82	+0.05	58	55	- 4	SW	1	0	bc	63	54	0.12		
	Christiansund...	29.83	59	WSW	2	0	29.91	+0.08	59	56	- 3	WSW	4	0	0	66	57	0.08		
	Skudesnaes ...	29.82	55	SSE	4	f	30.00	+0.18	55	53	- 2	W	2	3	f	58	52	-		
	Christiania Fjord (Furder)	29.87	60	SSW	4	m	29.92	+0.05	60	58	+ 1	SSW	4	m	2	m	63	57	-	
	Skagen (The Scaw)	29.89	59	SSW	1	0	29.94	+0.05	58	57	- 1	W	1	0	0	68	55	0.12		
	Fanö ...	29.93	59	SW	4	c	30.02	+0.09	60	57	- 1	W	4	0	c	66	59	-		
BRITISH ISLANDS.	Sumburgh Head	29.70	54	WNW	3	f	30.07	+0.37	50	49	- 4	NW	1	0	3	0.5	57	49	-	
	Stornoway ...	29.90	55	NW	4	0	30.09	+0.19	56	53	- 3	S	3	0	3	0	56	45	-	
	Wick ...	29.83	56	N	6	0	30.13	+0.30	57	54	- 3	N	3	0	3	0	60	50	-	
	Nairn ...	29.89	58	WNW	2	c	30.11	+0.22	57	52	- 5	W	1	0	0	65	47	-		
	Aberdeen ...	29.86	63	WNW	3	c	30.16	+0.30	58	52	- 6	WNW	2	0	1	0	68	50	-	
	Leith ...	29.89	60	WNW	4	bc	30.16	+0.27	61	54	+ 2	WNW	1	0	#	bc	66	48	-	
	Shields ...	29.92	61	W	6	c	30.16	+0.24	61	52	- 9	W	3	0	2	0	66	49	-	
	Spurn Head ...	29.95	61	W	6	c	30.16	+0.21	59	55	- 4	WNW	2	0	1	0	64	53	-	
	York ...	29.96	63	WNW	3	c	30.17	+0.21	59	54	- 5	NW	1	0	#	c	66	47	-	
	Loughborough	30.04	66	W	4	bc	30.20	+0.16	63	56	+ 1	NW	2	0	#	bc	69	45	-	
GERMANY & HOLLAND.	Ardrossan ...	29.97	58	W	4	c	30.15	+0.18	57	55	+ 1	Z	0	0	1	bc, c	59	45	-	
	Malin Head ...	30.01	59	WNW	4	b	30.09	+0.08	60	55	+ 7	S	3	0	1	c, b	61	49	-	
	Mullaghmore ...	30.05	62	SW	2	b	30.05	+0.00	62	56	+ 6	SSE	1	0	#	bc, b	63	52	-	
	Belmullet ...	30.05	59	N	4	bc	30.17	+0.12	58	56	+ 2	S	3	0	1	bc	64	53	0.01	
	Liverpool (Bliston)	30.04	60	W	5	c	30.18	+0.14	65	56	+ 9	Z	0	0	1	c	65	53	-	
	Holyhead ...	30.06	61	WSW	2	b	30.16	+0.10	63	58	+ 7	S	2	0	2	b	66	50	-	
	Parsonstown ...	30.06	65	Z	0	c	30.13	+0.07	61	58	+ 3	SW	1	0	#	c	67	47	-	
	Valencia ...	30.10	61	S	3	bc, m	30.07	+0.03	62	60	+ 2	SSE	5	0	4	bc, m	66	56	-	
	Roche's Point	30.10	60	SW	3	b	30.13	+0.03	59	56	- 3	S	3	0	3	b	65	51	-	
	Pembroke (St. Ann's Hd.)	30.10	61	W	3	b	30.16	+0.06	59	58	+ 2	SE	2	0	3	b	61	52	0.01	
FRANCE AND BELGIUM.	Scilly ...	30.14	65	WNW	1	b	30.13	+0.03	61	56	+ 5	E	4	0	3	b	66	54	-	
	Prawle Point ...	30.13	61	W	4	bc	30.18	+0.05	61	57	+ 2	E	3	0	2	bc	64	49	-	
	Jersey (St. Aubin's)	30.15	62	WNW	4	b	30.19	+0.04	65	60	+ 2	ESE	3	0	3	b	65	49	-	
	Hurst Castle ...	30.09	63	WSW	4	bc	30.19	+0.10	63	59	+ 3	WNW	1	0	2	c, bc	66	50	-	
	Lungeness ...	30.03	62	WSW	6	bc	30.18	+0.15	65	62	+ 4	E	1	0	1	c, bc	66	49	-	
	North Foreland	30.02	67	WNW	1	c	30.17	+0.15	63	58	+ 2	NNE	1	0	2	b, c	70	54	-	
	London ...	30.09	67	WSW	2	c	30.20	+0.11	63	54	+ 4	SE	1	0	2	0, c, b	71	48	-	
	Oxford ...	30.10	61	WNW	2	b	30.20	+0.10	62	55	+ 1	NW	1	0	#	0, c, b	70	45	-	
	Cambridge ...	30.03	69	W	1	b	30.20	+0.17	61	55	- 1	WNW	1	0	#	b	70	45	-	
	Yarmouth ...	29.99	66	WNW	3	bc	30.17	+0.18	61	58	- 3	NNE	2	0	2	c, bc	68	51	-	
PENINSULA.	Cuxhaven ...	30.01	61	SW	3	0	30.11	+0.10	61	60	- 3	WSW	2	0	#	0	69	61	-	
	Berlin ...	30.04	63	WNW	4	0	30.13	+0.09	61	59	- 2	SW	4	0	#	0	70	59	-	
	Wiesbaden ...	"	"	"	"	"	30.18	+0.14	64	58	- 3	NW	3	0	#	"	77	61	-	
	Munich ...	30.12	69	Z	0	c	30.19	+0.07	57	57	- 12	NW	1	0	#	c	81	?	0.16	
	The Helder ...	30.06	62	WSW	3	c	30.26	+0.20	60	59	- 2	WNW	1	0	1	c	64	59	-	
	Brussels (9 a.m.)	"	"	"	"	"	30.21	+0.19	63	59	+ 2	Z	0	0	#	b	71	51	-	
	Cape Gris Nez	"	"	"	"	"	30.21	+0.12	61	57	- 1	NNE	1	0	#	b	74	50	-	
	Paris ...	30.10	69	NW	2	b	30.21	+0.11	61	54	- 2	E	2	0	3	b	70	52	-	
	Brest ...	?	64	WNW	2	b	?	?	57	54	- 3	E	5	0	4	b	70	54	-	
	Lorient ...	30.13	66	W	4	b	30.13	+0.00	57	54	- 3	E	5	0	4	b	70	54	-	
FRANCE AND BELGIUM.	Rochefort ...	30.07	67	NW	4	bc	30.04	-0.04	63	60	+ 1	E	4	0	#	bc	73	57	-	
	Belfort ...	?	75	SW	2	b	?	?	71	62	-	E	3	0	#	b	80	63	-	
	Lyons ...	30.06	68	WNW	2	0	30.12	+0.05	65	68	- 3	WNW	1	0	#	0	78	60	0.04	
	Nice ...	29.97	72	SW	2	bc	30.03	+0.04	70	65	- 1	NNE	1	0	#	bc	81	61	-	
	Perpignan ...	30.00	79	SE	2	c	30.06	+0.00	73	68	- 5	E	2	0	#	c	86	63	-	
	Biarritz ...	30.01	69	NNE	5	0	29.99	-0.02	69	66	+ 3	E	3	0	3	0	72	63	-	
PENINSULA.	Corunna ...	"	"	"	"	"	30.06	+0.07	68	62	- 6	NNE	4	0	#	"	77	63	-	
	Lisbon ...	29.99	65	WNW	5	b	30.06	+0.07	68	62	- 6	NNE	4	0	#	"	77	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, 30th June, 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

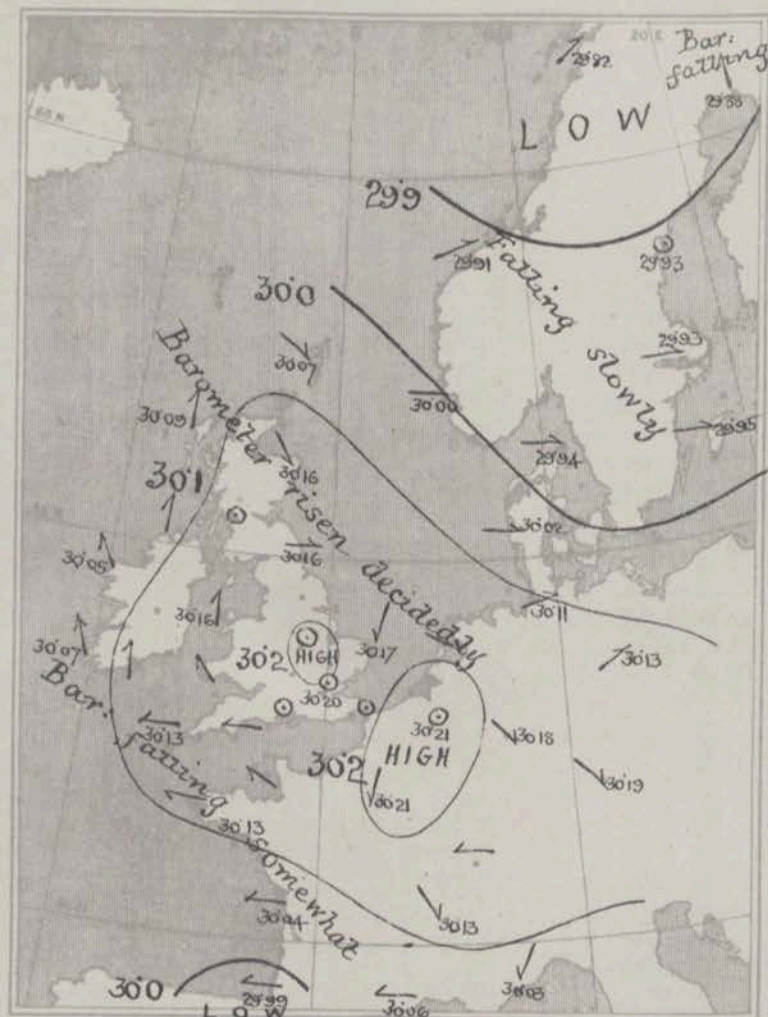
at 8.0 a.m. for the month of June.

During the 29 Years 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.982
Mullaghmore	29.986
Donaghadee	29.940
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.966
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.908
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



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 June.)

STATIONS.

TEMPERATURE.

RAINFALL.

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	54.0	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.92
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	59.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

NOTE—The Temperature means are for the 29 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in: and more over Great Britain, Germany, and the north and east of France, and above 30.2 in: over Bedfordshire, as well as over Belgium and the north-east of France.

Lowest, 29.9 in: and less, over the northern parts of Scandinavia.

Gradients very slight.

Barometer still rising in the north, steady in the southeast, falling a little in the extreme southwest.

TEMPERATURE

Highest, 73° at Perpignan, 70° at Nice, 69° at Biarritz, 65° at Dungeness.

Lowest, 50° at Sumburgh Head, 54° at Shields, 56° at Hornsey.

The maxima recorded yesterday exceeded 70° at a few of our southern stations, and in many parts of France; at Nice and Marseilles the maxima were 81° and at Perpignan 86°.

WIND

Light to moderate from the E. over the Bay of Biscay and western half of the Channel; moderate from the S.E. in Ireland, and freshening (from S.S.E.) at Valencia; Light N.W. to W. over the east of Scotland and the North Sea.

Anticyclonic air prevails over England as a whole.

WEATHER

Somewhat cloudy over Scandinavia, with fog in places, very fine generally elsewhere.

Rain fell yesterday on the eastern shores of the North Sea and in south Germany, but none in our islands.

SEA

Very little disturbed; in the Irish Sea it is very smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is apparently some new disturbance approaching Ireland from the south-westward, but this does not seem likely to affect the weather much today except at our western and north-western stations.

FORECASTS

For the 24 hours ending at NOON on 1st JULY, 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | S ^W winds, freshening; fair to showery. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | SE ^W breezes, light to moderate; fine, warm. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | Same as No 5. |
| 5 | ENGLAND SOUTH | |
| | | Calms and SE ^W breezes; fine, warm, hazy in places. |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|---|
| 6 | SCOTLAND WEST | S ^W breezes, freshening; fine to showery. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | SE ^W winds, freshening; fair. |
| 9 | IRELAND NORTH | SE ^W and S ^W winds, becoming strong; rain in south and southeast. |
| 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.	F.	WEA.	SEA.		BAR.	THER.		WIND.	F.	WEA.	SEA.
		Dry.	Wet.							Dry.	Wet.				
Skudesnes ...	29.88	58	55	SS E.	6	o	5	Valencia ...	30.11	64	59	SW	3	b c v	2
Sumburgh Head ...	29.62	56	55	2	0	0	4	Scilly ...	30.11	65	60	W N W	3	b	3
Stornoway ...	29.77	56	55	W N W	4	0	4	Jersey ...	30.14	65	57	W N W	4	b	3
Aberdeen ...	29.74	55	54	W	3	c	1	Hurst Castle ...	30.06	65	60	W N W	4	c	4
Shields ...	29.83	65	59	W	6	c	2	Dungeness ...	30.00	68	61	W N W	6	c	5
Ardrossan ...	29.88	57	54	W	4	bc	3	North Foreland ...	30.00	68	61	W N W	2	b	2
Malin Head ...	29.96	59	55	W N W	4	c	3	London ...	30.02	66	58	W	3	o	3
Mullaghmore ...								Yarmouth ...	29.98	66	59	W	4	c	3
Belmullet ...	30.05	61	55	SW	3	bc	4	Rocheport ...	30.10	71	67	W N W	4	bc	*
Holyhead ...	30.02	65	58	W	4	c	4								

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

• 3

Weather cloudy over the greater part of our Islands, as well as in Sweden, the south of Norway, and the eastern parts of Germany. Fine and bright in nearly all other parts of Europe, but rainy at Madrid. Very slight rain falling during day at one or two of our western stations, but weather remaining fair and dry in all other parts of the Kingdom. Rain experienced at several of the Scandinavian stations, as well as at Munich and Lyons.

Temperature fallen in our Islands, the Netherlands, France, as well as in Sweden, risen elsewhere. Morning readings highest 79° at Brindisi, Aumale, and Laballe, and 77° at Toulon, Trieste, Pesaro, Cagliari, and Tunis, above 70° in most parts of southern Europe and also over Central Finland; above 60° at nearly all the Continental stations, as well as in the eastern and southeastern parts of Great Britain. Lowest 53° at Malin H^d and 54° at Sumburgh H^d. Rising during day to 65° and upwards in most parts of the United Kingdom and to 70° or 71° in the southeast of England. Exceeding 80° at some of the French and German stations, and reaching 86° at Perpignan.

Wind moderate to strong from the Wnd or NWnd in our Islands and France, from the SWnd over Germany, Denmark, and the Netherlands, and from the SEnd in Norway. Light from the Snd in Sweden, variable in the northern parts of Russia and also in Austria. Light from the Nnd or NWnd over Italy and the southern part of Russia. Chiefly End in Spain, variable in Algeria. Subsequently backing to the SWnd or Snd in the west of Ireland; no important change occurring elsewhere.

Barometer highest 30.1 ins. and upwards over the Bay of Biscay and the greater part of France, and also in another system lying over the north of Russia. Lowest 29.5 ins. and less, in a well marked depression lying off the northeast of Scotland; gradient moderate over our Islands. Depression subsequently travelling away to the northeastward, barometer rising in nearly all parts of the United Kingdom, but beginning to fall again in the extreme west.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " " £1 10 0 "

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS			
DATE.	STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP. °			WIND.		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 22° F. and Sea Level.	Change since Yesterday Morn.	Dry Bulb.	Wet Bulb.	Change in dry since Yesterday.	Direc.	Force (0 to 12).			Max.	Min.			
1	Belfort....	?	56	NNW	4	c	?	?	48	—	—	6	E	3	c	*	c	67	38	—
2	Corunna..	*	*	*	*	*	29.70	—	62	55	—		S	3	o	0	*	72	48	—
3	Corunna..	*	*	*	*	*	30.04	+ 34	62	57		0	NNE	6	c	3	*	70	55	0.32
4	Belfort...	?	68	W	1	c	?	?	65	—	+	3	W	4	bc	*	c	78	59	—
5	Corunna..	*	*	*	*	*	30.29	— 06	67	59	+	4	NNE	3	b	2	*	72	52	—
6	Corunna..	*	*	*	*	*	30.18	— 11	69	62	+	2	NE	1	b	0	*	75	54	—
7	Corunna..	*	*	*	*	*	30.03	— 15	77	67	+	8	S	1	m	0	*	77	54	—
8	Corunna..	*	*	*	*	*	29.97	— 06	70	65	—	7	NE	3	m	3	*	79	59	—
9	Corunna..	*	*	*	*	*	30.04	+ 07	70	65		0	NNE	1	c	0	*	72	59	—
10	Corunna..	*	*	*	*	*	29.97	— 07	74	65	+	4	NE	3	o	0	*	93	59	—
12	Corunna..	*	*	*	*	*	29.96	+ 02	72	63	—	1	SSW	5	c	2	*	77	59	—
14	Corunna..	*	*	*	*	*	29.91	—	66	61	—		W	6	c	4	*	72	57	0.04
"	Skudenes..	30.06	52	NNW	7	o	30.06	— 09	53	—	+	1	NW	4	f	2	o	57	48	—
15	Corunna..	*	*	*	*	*	30.18	+ 18	64	60	—	2	W	5	c	3	*	68	59	0.04
16	Corunna..	*	*	*	*	*	30.19	+ 01	66	59	+	2	NE	5	bc	3	*	68	55	—
17	The Helder..	30.23	66	NE	1	b	30.26	+ 20	66	—	+	1	NE	1	b	1	b	70	61	—
"	Corunna..	*	*	*	*	*	30.04	— 15	69	62	+	3	NE	6	b	4	*	72	61	—
19	Corunna..	*	*	*	*	*	29.97	—	73	64	—		SSW	5	c	2	*	73	59	0.35
20	Corunna..	*	*	*	*	*	29.97	00	70	64	—	3	SSW	3	o	2	*	77	57	—
21	Corunna..	*	*	*	*	*	29.91	— 06	65	62	—	5	NW	4	bc	2	*	70	59	—
22	Corunna..	*	*	*	*	*	29.74	— 17	67	62	+	2	S	6	c	1	+	70	59	0.04
23	The Helder..	29.54	64	SE	4	tl	29.42	— 10	59	—	+	1	SW	2	o	2	tl	66	55	0.20
"	Corunna..	*	*	*	*	*	29.76	+ 02	66	62	—	1	NNW	6	c	2	*	70	55	0.08
24	Cape Gris Nez	29.41	58	W	6	c	29.40	— 03	55	—	+	2	W	6	bc	6	c	59	52	0.12
26	Corunna..	*	*	*	*	*	30.02	—	71	64	—		SSE	6	b	3	*	75	52	—
27	Cape Gris Nez	29.75	60	SSE	1	o	29.74	— 09	61	—	+	6	SW	5	r	5	*	64	52	0.12
"	Belfort...	?	58	SW	3	r	?	?	64	—	+	4	W	1	o	*	r	65	57	0.16
"	Corunna..	*	*	*	*	*	29.89	— 13	72	65	+	1	SSW	6	c	2	*	81	52	—
28	Rochefort..	*	*	*	*	*	?	?	66	?	+	3	W	3	bc	*	b	81	63	—
"	Corunna..	*	*	*	*	*	29.99	+ 10	68	63	—	4	SW	4	o	2	*	77	59	—
"	Jersey 2pm	*	*	*	*	*	29.86	—	61	60	—	?	WNW	5	c	4	*	77	*	—
29	Belfort...	?	77	W	2	o	?	?	70	—		?	SW	2	c	*	o	86	66	—
"	Corunna..	*	*	*	*	*	30.01	+ 02	69	62	+	1	NE	6	bc	4	*	70	59	—
30	Cape Gris Nez	30.02	59	W	4	o	30.11	+ 20	61	—	+	2	SSE	1	bc	1	o	72	55	—

2. CORRECTIONS.

[illegible]