METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER,

1891.

Soc. Reg. Lond.

22. 2. 93.

DAILY WEATHER REPORT.

July to December 1891.

Judd & Co Ltd Lith. 73 & 75, Farringdon Rd & Doctors Commons 10/90

DAILY WEATHER REPORT,

JULY TO DECEMBER, 1891.

PREFACE.

The four Tables following give the Means for Pressure, Temperature, and Rainfall, with which the current Values in the Daily Weather Report may be compared.

TABLE I.—SHOWING FOR THE TELEGRAPHIC REPORTING STATIONS THE MEAN VALUES OF BAROMETRIC PRESSURE FOR EACH MONTH AND FOR THE WHOLE YEAR—DERIVED FROM OBSERVATIONS MADE AT 8 A.M. DAILY DURING THE 20 YEARS 1871—90.

STATIONS.	JAN.	FEB.	MAR.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPT.	OCT.	NOV.	DEC.	ANNUAL	LIMITS OF YEARS OF ACTUAL OBSERVATION.	NO. OF YEARS.
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		
Sumburgh Head .	29·675	29·775	29·751	29·840	29·879	29·883	29·784	29·781	29·797	29·726	29·683	29·673	29·771	1872—1890	19
Stornoway -	29·682	29·773	29·778	29·824	29·886	29·876	29·795	29·796	29·815	29·756	29·699	29·705	29·782	1873—1890	18
Wick - -	29·719	29·804	29·793	29·848	29·901	29·898	29·806	29·810	29·829	29·763	29·722	29·718	29·801	1871—1890	20
Nairn - -	29·745	29·814	29·810	29·848	29·908	29·904	29·815	29·819	29·843	29·779	29·738	29·743	29·814	„ „ „	20
Aberdeen -	29·787	29·848	29·825	29·858	29·918	29·916	29·826	29·832	29·858	29·793	29·758	29·767	29·832	„ „ „	20
Leith - -	29·825	29·870	29·853	29·863	29·932	29·930	29·844	29·849	29·881	29·822	29·789	29·807	29·855	„ „ „	20
Shields - -	29·881	29·906	29·880	29·866	29·943	29·948	29·867	29·871	29·903	29·846	29·813	29·845	29·881	„ „ „	20
Spurn Head -	29·926	29·934	29·896	29·863	29·956	29·964	29·900	29·905	29·929	29·867	29·842	29·873	29·905	1880—1890	11
York - -	29·932	29·939	29·908	29·875	29·962	29·969	29·901	29·906	29·939	29·882	29·846	29·890	29·912	1873—1890	18
Loughborough -	29·967	29·963	29·932	29·879	29·973	29·980	29·928	29·928	29·959	29·904	29·877	29·924	29·935	1871—1890	20
Ardrossan -	29·838	29·873	29·865	29·857	29·935	29·932	29·856	29·857	29·885	29·831	29·791	29·820	29·862	„ „ „	20
Mullaghmore -	29·817	29·854	29·872	29·839	29·929	29·936	29·869	29·868	29·890	29·845	29·780	29·821	29·860	1879—1890	12
Donaghadee -	29·856	29·884	29·882	29·859	29·947	29·946	29·877	29·879	29·905	29·850	29·810	29·848	29·879	1873—1890	18
Liverpool -	29·924	29·934	29·911	29·867	29·961	29·966	29·906	29·906	29·935	29·879	29·851	29·895	29·911	1871—1890	20
Holyhead -	29·902	29·914	29·907	29·857	29·956	29·966	29·910	29·907	29·929	29·872	29·835	29·879	29·903	„ „ „	20
Parsonstown -	29·895	29·906	29·925	29·864	29·958	29·972	29·913	29·920	29·937	29·897	29·847	29·901	29·911	1873—1890	18
Valencia - -	29·887	29·919	29·925	29·854	29·963	29·975	29·935	29·927	29·947	29·896	29·865	29·905	29·917	1871—1890	20
Roche's Point -	29·908	29·916	29·927	29·851	29·959	29·973	29·932	29·927	29·946	29·892	29·865	29·912	29·917	„ „ „	20
Pembroke -	29·936	29·937	29·929	29·852	29·961	29·974	29·936	29·928	29·948	29·888	29·864	29·916	29·922	„ „ „	20
Scilly - -	29·969	29·959	29·947	29·856	29·974	29·996	29·974	29·962	29·971	29·910	29·897	29·951	29·947	„ „ „	20
Prawle Point -	30·006	29·993	29·965	29·876	29·992	30·007	29·987	29·975	29·998	29·931	29·914	29·970	29·968	1879—1890	12
Jersey - -	30·022	30·007	29·961	29·872	29·989	30·010	30·001	29·984	29·988	29·925	29·928	29·985	29·973	1876—1890	15
Hurst Castle -	30·002	29·986	29·954	29·871	29·982	29·998	29·968	29·965	29·991	29·922	29·902	29·958	29·958	1874—1890	17
Dover - -	30·012	29·985	29·938	29·864	29·970	29·982	29·957	29·949	29·970	29·916	29·893	29·953	29·949	1871—1890	20
London - -	30·006	29·989	29·950	29·878	29·981	29·992	29·957	29·954	29·978	29·923	29·898	29·954	29·955	„ „ „	20
Oxford - -	29·999	29·985	29·951	29·884	29·981	29·986	29·946	29·948	29·971	29·924	29·896	29·955	29·952	„ „ „	20
Cambridge -	29·993	29·979	29·941	29·880	29·976	29·985	29·937	29·937	29·965	29·912	29·887	29·941	29·944	1873—1890	18
Yarmouth -	29·979	29·964	29·920	29·872	29·967	29·977	29·929	29·928	29·948	29·894	29·865	29·916	29·930	1871—1890	20

NOTE:—When the records available have not extended over the whole of the period 1871-90, the following rules have been observed for purposes of interpolation:—

(1) Where the observations available have not covered a period of eleven years or more they have been rejected.

(2) When the observations have covered a period of eleven years, or more, the means have been reduced to their approximate values for the whole period by comparison with the values at adjacent stations.

At Malin Head and Belmullet the observations are insufficient in point of duration to obtain proper averages.

TABLE II. — SHOWING FOR THE TELEGRAPHIC REPORTING STATIONS THE ME LUES O
MONTH AND FOR THE WHOLE YEAR, DERIVED FR SERVATI

STATIONS.	JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.		JULY.	
	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet	ry.	W
	°	°	°	°	°	°	°	°	°	°	°	°	°	
Sumburgh Head	39·7	38·4	38·5	37·4	38·3	36·9	41·7	40·2	46·1	44·0	50·3	48·6	531	5
Stornoway	39·5	38·4	39·1	38·1	39·1	38·1	43·8	42·3	48·6	46·4	53·3	51·1	555	5
Wick	38·2	36·8	38·1	36·7	39·0	37·2	43·1	41·2	48·1	45·6	53·3	50·7	558	5
Nairn	37·2	35·6	37·1	35·4	38·0	36·2	42·7	40·4	48·6	45·4	54·3	50·6	567	5
Aberdeen	37·3	35·6	37·3	35·7	38·5	36·5	43·2	40·7	48·9	45·4	54·8	50·8	575	5
Leith	38·6	37·2	38·6	37·1	39·5	37·7	44·1	41·7	50·1	46·7	55·9	52·3	584	5
Shields	38·2	36·9	38·6	37·3	39·4	37·8	43·5	41·4	49·0	46·0	54·8	51·7	583	5
Spurn Head	37·7	36·7	38·4	37·6	39·7	38·4	44·0	42·3	49·3	47·2	55·3	52·8	595	5
York	36·7	35·7	37·5	36·4	38·5	37·0	43·8	41·6	49·8	46·7	56·2	52·7	592	5
Loughborough	36·4	35·4	37·5	36·4	39·0	37·3	44·4	42·1	51·1	47·7	57·8	53·9	614	5
Ardrossan	40·0	38·8	39·4	38·2	40·1	38·5	44·4	42·1	49·5	46·7	55·1	52·1	573	5
Mullaghmore	41·6	40·4	42·0	40·3	41·9	40·2	45·3	43·0	50·2	47·4	54·9	52·0	572	5
Donaghadee	40·0	39·2	40·3	39·3	40·8	39·5	44·6	42·9	49·6	47·5	55·0	52·8	574	5
Liverpool	38·6	37·0	38·9	37·3	40·3	38·2	45·0	42·1	50·8	46·9	56·7	52·7	594	5
Holyhead	41·7	40·3	41·5	40·1	42·0	40·5	45·8	43·8	50·5	48·0	55·7	53·2	581	5
Parsonstown	38·9	37·8	39·4	38·1	40·4	38·8	45·0	42·5	51·0	47·8	56·0	52·0	581	5
Valencia	44·5	43·3	44·6	42·9	44·9	42·8	48·2	45·6	52·8	49·7	57·2	54·3	589	5
Roche's Point	43·2	41·9	43·1	41·6	43·3	41·5	46·8	44·5	51·7	48·8	56·8	53·0	588	5
Pembroke	42·7	41·3	42·1	40·9	42·1	40·3	45·2	43·4	49·9	47·7	55·2	53·3	580	5
Scilly	46·4	44·9	46·0	44·4	46·0	44·2	48·6	46·6	52·7	50·3	57·3	55·2	602	5
Prawle Point	42·0	41·0	41·5	40·5	42·6	41·2	46·2	44·6	51·4	49·4	56·9	54·1	596	5
Jersey	41·8	40·4	42·3	41·0	44·0	42·0	48·5	45·9	53·6	50·5	58·6	55·1	620	5
Hurst Castle	40·3	39·5	40·3	39·3	41·0	40·1	45·5	44·2	51·6	49·9	57·7	55·4	611	5
Dover	39·2	38·1	39·2	38·1	40·7	39·2	46·3	44·0	52·5	49·3	58·2	54·1	619	5
London	37·6	36·6	38·6	37·4	40·1	38·2	46·1	43·2	52·5	48·5	58·9	54·1	620	5
Oxford	37·1	36·1	37·9	36·8	38·9	37·4	44·4	42·1	50·6	47·5	56·8	53·3	609	5
Cambridge	36·2	35·4	37·3	36·2	38·9	37·5	45·2	43·0	51·7	48·5	58·1	54·1	613	5
Yarmouth	37·5	36·7	38·2	37·3	40·2	38·6	44·7	43·0	50·6	48·1	56·9	54·1	609	5

NOTE —When the records available have not extended over the whole of the period 1871 to 1890, wing rules h

(1) Where the observations available have not covered a period of eleven years or more they h n rejected.

(2) When the observations have covered a period of eleven years or more the means have b uced to their

At Malin Head and Belmullet the observations ffficient in po

UES OF THE DRY BULB AND WET BULB TEMPERATURES FOR EACH

ERVATIONS MADE AT 8 A.M. DAILY DURING THE 20 YEARS 1871-90.

NE.	JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.		ANNUALS.		Limits of Years.	Number of Years.
W	y.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.		
	°	°	°	°	°	°	°	°	°	°	°	°	°	°		
4	1	51·5	53·4	51·7	50·8	49·1	46·0	44·3	42·0	40·3	39·6	38·1	45·0	43·4	1871—1890	20
5	5	53·6	54·9	53·2	51·4	50·1	45·6	44·5	41·7	40·7	39·4	38·5	46·0	44·6	1873—1890	18
5	8	53·5	55·2	53·2	51·9	50·0	46·3	44·6	41·4	39·8	38·1	36·8	45·7	43·8	1871—1890	20
5	7	53·3	55·5	52·7	51·3	48·9	44·8	42·9	39·8	38·2	37·1	35·6	45·3	42·9	„ „	20
5	5	53·9	56·5	53·4	52·1	49·7	45·6	43·6	40·5	38·7	36·9	35·2	45·8	43·3	„ „	20
5	4	54·9	57·5	54·4	53·2	50·8	46·7	44·9	41·7	40·0	38·5	37·0	46·9	44·6	„ „	20
5	3	55·0	57·2	54·5	53·1	51·0	47·2	45·4	42·1	40·5	38·3	36·9	46·6	44·5	„ „	20
5	5	56·8	58·8	56·6	55·5	53·8	48·8	47·3	43·2	41·9	38·8	37·7	47·4	45·8	1880—1890	11
5	2	55·9	57·7	55·0	52·9	51·1	45·9	44·5	40·6	39·3	36·4	35·4	46·3	44·3	1873—1890	18
5	4	57·6	59·3	56·9	54·0	52·2	45·9	44·6	40 5	39·3	36·3	35·4	47·0	44·9	1871—1890	20
5	3	54·6	57·2	54·8	53·5	51·4	47·8	45·8	43·1	41·3	40·0	38·7	47·3	45·3	„ „	20
5	2	54·4	57·3	54·5	54·0	51·6	49·1	46·9	45·1	43·1	42·2	39·8	48·4	46·1	1879—1890	12
5	4	55·5	56·9	55·3	53·5	52·3	47·8	46·6	43·2	42·0	40·2	39·3	47·4	46·0	1873—1890	18
5	4	55·6	58·5	55·2	54·5	51·9	47·8	45 8	42·5	40·7	38 8	37·1	47·7	45·0	1871—1890	20
5	1	55·8	58·4	56·2	55·7	53·5	50·3	48·3	45·8	44·0	42·8	41·1	49·0	47·1	„ „	20
5	1	54·8	57·3	55·2	53·0	51·1	46·2	44·5	41·9	40·2	37·8	36·6	47·1	45·0	1873—1890	18
5	9	56·4	59·3	56·9	56·5	54·2	51·4	49·2	47·4	45·5	44·6	42·4	50·9	48·6	1871—1890	20
5	8	55·9	58·9	56·3	55·5	53·4	50 2	48·3	46·1	44·5	42·9	41·5	49·8	47·7	„ „	20
5	0	56·0	58·6	56·5	55·1	53·9	51·2	49·2	46·9	45·1	43 6	42·2	49·3	47·5	„ „	20
5	2	58·1	60·9	58·8	58·4	56·3	53·7	51·6	50·0	48·0	47·0	45·1	52·3	50·3	„ „	20
5	6	57·3	60·1	57·9	57·0	55·2	51·2	49·6	46·2	44·7	42·5	41·1	49·8	48·1	1879—1890	12
5	0	58·9	62·8	59·6	59·9	57·0	53·3	50·7	47·7	45·8	43·1	41·4	51·5	49·1	1871—1890	20
5	1	58·8	61·0	58·9	57·1	55·7	50·8	49 2	44·9	44·0	40·6	39·8	49·3	47·9	1874—1890	17
5	9	58·4	62·0	58·6	57·7	55·2	50·2	48·2	44·3	42·8	39·8	38·6	49·3	47·1	1871—1890	20
5	0	57·8	60·9	57·3	55 8	53·5	47·5	45·9	42 2	40·8	37·8	36·7	48·3	45·9	„ „	20
5	0	56·6	58·8	56·0	54·0	52·1	46·2	44·9	41·2	40·0	37·0	35·9	46·9	44·9	„ „	20
5	3	57·7	60·0	57·1	54·6	53·0	46 4	45·3	40 7	39·9	36·2	35·5	47·2	45·3	1873—1890	18
5	9	57·8	60·5	57·6	56·3	54·4	49 0	47·6	43·1	42·0	37·9	37·0	48·0	46·2	1871—1890	20

1890 ving rules have been observed for purposes of interpolation :—

they rejected.

have ced to their approximate values for the whole period by comparison with the values at adjacent and similarly exposed Stations.

ations ficient in point of duration to obtain proper averages.

TABLE III.—SHOWING FOR THE TELEGRAPHIC REPORTING STATIONS THE MEAN VALUES OF THE DAILY

FOR EACH MONTH AND FOR THE WHOLE YEAR—DERIVED

STATIONS.	JANUARY.			FEBRUARY.			MARCH.			APRIL.			MAY.			JUNE.		
	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
Sumburgh Head	42·9	35·6	39·3	42·4	34·5	38·5	42·6	33·9	38·3	46·0	36·7	41·4	50·3	40·2	45·3	54·6	45·0	49·8
Stornoway	43·3	34·5	38·9	43·5	34·6	39·1	44·9	34·5	39·7	48·9	37·2	43·1	53·3	41·1	47·2	58·0	45·9	52·0
Wick	42·4	33·3	37·9	43·1	33·2	38·2	44·8	34·0	39·4	48·9	36·9	42·9	53·9	40·6	47·3	58·9	45·5	52·2
Nairn	42·2	32·9	37·6	43·4	33·4	38·4	45·6	33·9	39·8	50·9	37·3	44·1	56·3	42·2	49·3	62·2	47·8	55·0
Aberdeen	42·4	33·2	37·8	43·2	33·8	38·5	45·4	34·4	39·9	49·3	38·0	43·7	55·0	41·9	48·5	61·2	47·2	54·2
Leith	44·4	33·7	39·1	45·7	34·3	40·0	47·9	34·6	41·3	52·0	37·9	45·0	57·8	42·4	50·1	63·9	47·9	55·9
Shields	43·0	34·2	38·6	43·8	35·1	39·5	45·9	35·2	40·6	49·0	38·6	43·8	54·4	42·9	48·7	60·6	48·7	54·7
Spurn Head	41·7	34·5	38·1	42·3	35·9	39·1	44·7	36·6	40·7	48·4	40·3	44·4	54·3	45·1	49·7	60·4	51·4	55·9
York	42·7	32·5	37·6	44·6	33·9	39·3	48·1	34·0	41·1	53·5	37·7	45·6	59·6	42·2	50·9	66·1	48·4	57·3
Loughborough	43·0	32·3	37·7	45·3	33·9	39·6	49·5	34·2	41·9	55·1	38·1	46·6	61·7	42·6	52·2	68·6	49·0	58·8
Ardrossan	44·2	36·3	40·3	44·6	36·3	40·5	46·3	36·3	41·3	51·5	39·5	45·5	56·5	43·9	50·2	62·0	49·5	55·8
Mullaghmore	46·1	38·0	42·1	46·6	38·6	42·6	47·9	38·4	43·2	51·9	42·3	47·1	56·7	46·3	51·5	61·1	51·4	56·3
Donaghadee	44·4	36·1	40·3	45·5	36·9	41·2	47·2	37·1	42·2	51·0	40·0	45·5	56·0	44·2	50·1	61·2	49·3	55·[illegible]
Liverpool	43·5	35·2	39·4	44·5	36·2	40·4	47·0	36·8	41·9	52·6	40·4	46·5	58·0	45·0	51·5	63·8	50·9	57·4
Holyhead	45·6	38·7	42·2	45·5	38·7	42·1	47·2	38·9	43·1	51·4	42·0	46·7	56·2	46·2	51·2	61·6	51·5	56·6
Parsonstown	45·6	34·2	39·9	46·9	35·6	41·3	49·8	35·0	42·4	54·6	38·0	46·3	59·5	42·7	51·1	64·5	48·5	56·[illegible]
Valencia	49·5	40·4	45·0	49·7	40·7	45·2	51·1	40·2	45·7	53·9	42·8	48·4	58·1	46·3	52·2	62·2	51·1	56·7
Roche's Point	47·7	39·5	43·6	48·4	39·6	44·0	49·7	39·6	44·7	53·7	42·1	47·9	58·9	46·2	52·6	64·5	51·1	57·8
Pembroke	45·5	39·6	42·6	45·5	39·4	42·5	46·6	39·1	42·9	50·4	41·9	46·2	55·0	45·9	50·5	60·3	51·5	55·9
Scilly	48·8	42·9	45·9	48·9	42·8	45·9	49·5	42·5	46·0	52·1	44·7	48·4	56·3	48·2	52·3	61·3	53·0	57·[illegible]
Prawle Point	46·2	37·6	41·9	46·8	38·1	42·5	48·1	37·7	42·9	51·9	40·7	46·3	56·6	45·3	51·0	61·5	50·5	56·[illegible]
Jersey	45·8	38·3	42·1	46·9	39·3	43·1	49·5	39·9	44·7	54·2	43·5	48·9	59·4	47·2	53·3	64·6	52·5	58·[illegible]
Hurst Castle	45·0	36·3	40·7	45·7	36·7	41·2	47·8	37·2	42·5	52·1	41·0	46·6	58·6	45·7	52·2	64·2	51·9	58·[illegible]
Dover	43·5	35·8	39·7	44·4	36·1	40·3	46·4	36·9	41·7	51·1	41·5	46·3	57·0	46·7	51·9	63·0	52·5	57·[illegible]
London	44·1	33·8	39·0	45·8	35·1	40·5	50·0	35·4	42·7	56·0	39·7	47·9	62·3	44·4	53·4	69·1	50·6	59·[illegible]
Oxford	43·1	33·6	38·4	45·0	34·9	40·0	49·0	34·9	42·0	54·0	38·9	46·5	60·6	43·4	52·0	66·9	49·5	58·[illegible]
Cambridge	43·3	31·7	37·5	45·5	32·8	39·2	50·2	33·0	41·6	55·8	37·3	46·6	62·0	42·0	52·0	68·6	48·5	58·[illegible]
Yarmouth	41·5	33·8	37·7	42·6	34·5	38·6	45·2	34·9	40·1	49·1	39·9	44·5	55·4	44·9	50·2	62·0	51·1	36·[illegible]

NOTE:—When the records available have not extended over the whole of the period, 1871-90, the

(1) Where the observations available have not covered a period of eleven years or more, they have

(2) When the observations have covered a period of eleven years or more, the means have been

At Malin Head and Belmullet the observations

MAXIMUM AND MINIMUM TEMPERATURES, AND OF THE MAXIMUM AND MINIMUM COMBINED, FROM OBSERVATIONS EXTENDING OVER THE 20 YEARS 1871—1890.

JULY.			AUGUST.			SEPTEMBER.			OCTOBER.			NOVEMBER.			DECEMBER.			ANNUALS.			Limits of Years.	Number of Years.
Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.	Max.	Min.	Mean.		
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°		
57·4	48·0	52·7	57·7	48·4	53·1	55·0	46·1	50·6	49·8	41·6	45·7	45·6	37·8	41·7	42·6	35·2	38·9	48·9	40·3	44·6	1871—90	20
60·2	48·9	54·6	59·8	48·8	54·3	56·3	45·8	51·1	51·0	40·5	45·8	46·2	37·0	41·6	43·1	34·2	38·7	50·7	40·3	45·5	„ „	20
61·8	48·7	55·3	61·1	48·3	54·7	57·7	45·5	51·6	51·7	40·5	46·1	46·1	36·1	41·1	42·2	32·7	37·5	51·1	39·6	45·4	1872—90	19
64·3	50·9	57·6	63·4	50·3	56·9	59·2	46·5	52·9	51·9	40·8	46·4	45·3	35·7	40·5	41·9	32·8	37·4	52·2	40·4	46·3	1871—90	20
63·9	50·6	57·3	63·1	50·1	56·6	59·2	46·7	53·0	52·5	41·4	47·0	46·2	36·5	41·4	41·9	32·6	37·3	51·9	40·5	46·3	„ „	20
66·7	51·2	59·0	65·7	51·3	58·5	61·9	47·5	54·7	54·7	41·8	48·3	48·1	37·0	42·6	44·0	33·7	38·9	54·4	41·1	47·8	„ „	20
64·1	52·2	58·2	63·6	51·9	57·8	59·8	48·8	54·3	53·2	42·7	48·0	47·3	37·9	42·6	42·9	33·9	38·4	52·3	41·8	47·1	„ „	20
65·1	55·2	60·2	64·3	55·0	59·7	60·4	52·7	56·6	53·3	45·7	49·5	46·8	40·2	43·5	42·4	35·3	38·9	52·0	44·0	48·0	1880—90	11
68·7	51·9	60·3	67·9	51·3	59·6	62·9	47·7	55·3	54·5	41·4	48·0	47·5	36·4	42·0	42·3	32·3	37·3	54·9	40·8	47·9	1871—90	20
71·5	52·6	62·1	70·4	51·8	61·1	65·0	47·8	56·4	55·7	41·1	48·4	48·0	36·6	42·3	42·7	32·2	37·5	56·4	41·0	48·7	„ „	20
63·5	52·8	58·2	63·6	52·8	58·2	59·6	49·4	54·5	53·7	43·7	48·7	47·8	39·1	43·5	44·5	35·9	40·2	53·2	43·0	48·1	1872—90	19
62·9	54·0	58·5	63·3	53·8	58·6	60·2	50·9	55·6	54·2	45·7	50·0	49·6	41·2	45·4	46·5	37·8	42·2	53·9	44·9	49·4	1879—90	12
63·2	51·8	57·5	62·2	52·2	57·2	59·6	49·2	54·4	53·6	43·6	48·6	48·3	39·2	43·8	45·8	36·2	41·0	53·2	43·0	48·1	1873—90	18
65·9	54·2	60·0	65·8	54·1	60·1	61·2	50·8	56·0	53·8	44·7	49·3	47·8	39·6	43·7	43·5	35·6	39·6	54·0	43·6	48·8	1871—90	20
63·8	54·3	59·1	64·1	54·8	59·5	60·7	52·6	56·7	54·7	47·3	51·0	49·7	42·9	46·3	46·4	39·1	42·8	53·9	45·6	49·8	1872—90	19
66·4	51·5	59·0	66·0	51·4	58·7	61·5	47·4	54·5	54·8	41·0	47·9	49·1	37·1	43·1	44·7	33·1	38·9	55·3	41·3	48·3	„ „	19
64·0	53·6	58·8	64·7	54·1	59·4	61·8	51·5	56·7	56·6	46·8	51·7	52·3	43·0	47·7	49·7	40·0	44·9	56·1	45·9	51·0	1871—90	20
66·1	53·2	59·7	66·1	53·8	60·0	61·7	51·0	56·4	56·0	46·1	51·1	51·1	42·0	46·6	47·9	38·9	43·4	56·0	45·3	50·7	1872—90	19
62·5	54·8	58·7	63·2	55·6	59·4	60·1	53·0	56·6	54·9	48·0	51·5	50·1	43·8	47·0	46·8	40·3	43·6	53·4	46·1	49·8	„ „	19
64·4	56·2	60·3	64·9	57·0	61·0	61·8	54·7	58·3	56·6	50·2	53·4	52·4	46·7	49·6	49·5	43·4	46·5	55·5	48·5	52·1	1871—90	20
64·5	53·7	59·1	65·3	54·4	59·9	62·4	52·2	57·3	56·7	46·2	51·5	51·1	41·9	46·5	47·0	38·2	42·6	54·8	44·7	49·8	1879—90	12
68·3	56·2	62·3	68·8	57·1	63·0	65·4	54·8	60·1	58·2	48·6	53·4	51·9	44·1	48·0	47·3	39·3	43·3	56·7	46·7	51·7	1871—90	20
67·8	55·5	61·7	68·1	55·9	62·0	64·3	52·1	58·2	57·1	45·8	51·5	50·5	40·6	45·6	45·6	36·3	41·0	55·6	44·6	50·1	1874—90	17
66·8	56·3	61·6	67·2	56·7	62·0	63·4	52·9	58·2	56·1	46·2	51·2	49·3	40·6	45·0	44·3	35·9	40·1	54·4	44·8	49·6	1872—90	19
72·4	54·0	63·2	71·8	53·5	62·7	66·4	49·6	58·0	56·7	42·7	49·7	49·3	38·0	43·7	44·0	33·9	39·0	57·3	42·6	50·0	1871—90	20
69·6	53·4	61·5	69·3	53·0	61·2	64·0	48·9	56·5	55·5	42·2	48·9	48·2	37·6	42·9	42·9	33·5	38·2	55·7	42·0	48·9	„ „	20
71·9	52·2	62·1	71·3	51·8	61·6	65·6	48·1	56·9	56·5	41·0	48·8	48·6	35·8	42·2	42·8	31·6	37·2	56·8	40·5	48·7	„ „	20
66·6	54·9	60·8	66·3	54·8	60·6	62·1	51·4	56·8	54·3	44·6	49·5	47·5	39·0	43·3	41·9	33·7	37·8	52·9	43·1	48·0	1872—90	19

following rules have been observed for purposes of interpolation:—

been rejected.

reduced to their approximate value for the whole period by comparison with the values at adjacent and similarly exposed Stations.

are insufficient in point of duration to obtain proper averages.

TABLE IV.—SHOWING FOR THE TELEGRAPHIC REPORTING STATIONS THE MEAN RAINFALL FOR EACH MONTH AND FOR THE WHOLE YEAR—DERIVED FROM OBSERVATIONS EXTENDING OVER THE 25 YEARS 1866 TO 1890.

STATIONS.	JAN.	FEB.	MAR.	APRIL.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL.	LIMITS OF YEARS.	NO. OF YEARS.
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		
Sumburgh Head - -	3·72	3·19	2·79	2·07	1·72	1·98	2·27	3·16	3·32	4·27	4·16	4·25	36·90	1871—1890	20
Stornoway - - - -	5·30	3·86	3·79	2·65	2·61	2·85	3·02	3·67	4·10	5·04	4·70	5·63	47·22	1855—1890	36
Wick - - - -	2·05	2·04	2·02	1·68	1·69	1·74	2·34	2·57	2·53	3·02	2·93	3·10	27·71	1866—1890	25
Nairn - - - -	1·99	1·48	1·68	1·26	1·61	1·70	2·59	2·75	2·58	2·38	2·29	1·95	24·26	1866—1890	25
Aberdeen - - - -	2·31	2·35	2·33	2·16	1·99	1·77	2·78	3·03	2·97	2·87	3·14	3·24	30·94	„ „	25
Leith - - - - -	1·93	1·45	1·41	1·57	1·67	1·80	2·85	2·56	2·34	1·97	2·20	1·86	23·61	„ „	25
Shields - - - -	1·75	1·50	1·75	1·80	1·69	1·71	2·66	2·85	2·50	2·48	2·61	2·57	25·87	„ „	25
Spurn Head - - -	1·35	1·36	1·22	1·45	1·57	1·54	1·74	1·86	2·02	2·27	2·40	2·14	20·92	1880—1890	11
York - - - - -	1·87	1·70	1·73	1·75	1·85	2·17	2·70	2·54	2·70	2·60	2·19	2·28	26·08	1866—1890	25
Loughborough - - -	2·04	1·78	1·64	1·78	2·09	2·22	2·34	2·53	2·76	2·80	2·24	2·24	26·46	1872—1890	19
Ardrossan - - - -	4·25	3·04	2·44	2·14	2·34	2·49	2·91	3·78	3·67	3·87	3·88	3·73	38·54	1866—1890	25
Mullaghmore - - -	4·36	3·09	2·87	2·05	2·42	2·79	3·72	3·65	4·95	4·75	4·48	4·51	43·64	1876—1890	15
Donaghadee - - -	2·98	2·42	2·05	1·92	2·26	1·92	2·82	3·04	3·04	3·14	3·20	2·84	31·63	1873—1890	18
Liverpool - - - -	2·22	1·69	1·72	1·55	1·84	1·89	2·96	2·83	3·30	3·46	2·96	2·59	29·01	1866—1890	25
Holyhead - - - -	3·38	2·60	2·27	1·90	1·90	1·98	2·40	2·77	3·23	4·31	3·88	3·82	34·44	„ „	25
Parsonstown - - -	3·12	2·20	2·33	2·04	2·24	2·39	2·96	3·38	3·16	3·16	2·83	3·04	32·85	„ „	25
Valencia - - - -	6·69	4·95	4·20	3·83	3·20	3·27	3·90	4·70	4·53	5·88	5·42	5·99	56·56	„ „	25
Roche's Point - - -	5·50	4·43	3·71	3·24	3·14	3·13	3·29	3·62	4·08	4·09	4·62	4·95	47·80	1868—1890	23
Pembroke - - - -	3·75	2·82	2·40	1·94	2·03	1·94	2·54	2·77	3·58	3·96	4·05	3·99	35·76	1871—1890	20
Scilly - - - - -	3·73	2·71	2·40	2·27	1·73	1·84	2·46	2·39	3·41	3·70	3·72	4·02	34·38	„ „	20
Prawle Point - - -	3·09	2·02	1·95	2·07	1·56	1·60	2·24	2·14	2·46	3·60	3·20	3·76	29·69	1879—1890	12
Jersey - - - -	3·21	2·55	2·33	2·08	1·87	1·91	2·40	2·24	3·05	4·45	4·30	3·82	34·21	1866—1890	25
Hurst Castle - - -	2·94	2·25	1·83	1·83	1·77	1·92	2·20	2·26	3·01	3·26	3·01	2·78	29·06	„ „	25
Dover - - - - -	2·58	1·95	1·83	1·77	1·79	1·59	1·95	2·04	2·64	3·22	3·48	3·00	27·84	„ „	25
London - - - -	2·12	1·73	1·49	1·84	1·86	2·11	2·38	2·21	2·35	2·57	2·23	2·10	24·99	„ „	25
Oxford - - - -	2·26	1·92	1·59	1·78	1·95	2·21	2·58	2·24	2·66	2·56	2·31	2·10	26·16	„ „	25
Cambridge - - -	1·54	1·46	1·40	1·69	1·90	2·23	2·42	2·19	2·26	2·27	2·01	1·88	23·25	„ „	25
Yarmouth - - - -	1·95	1·82	1·82	1·70	1·86	1·88	2·85	2·15	2·91	2·92	3·06	2·66	27·58	„ „	25

NOTE.—When the records available have not extended over the whole of the period 1866-1890 the following rules have been observed for purposes of interpolation:—

(1) Where the observations available have not covered a period of eleven years, or more, they have been rejected.

(2) When the observations have covered a period of eleven years, or more, the means have been reduced to their approximate values for the whole period by comparison with the values at adjacent and similarly exposed stations.

At Malin Head and Belmullet the observations are insufficient in point of duration to obtain proper averages.

JUDD & Co., Ltd., Printers, 63, Carter Lane, Doctors' Commons, E.C. [3316]

DAILY WEATHER REPORT.

for TUESDAY 1ST SEPTEMBER. 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom.: Reading at 32° F. and Sea Level.	Temp.: Dry.	Wind: Direc.	Wind: Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer: Reading at 32° F. and Sea Level.	Barometer: Difference from 8 a.m. yesterday.	Shade Temp.: Dry.	Shade Temp.: Wet.	Shade Temp.: Difference from 8 a.m. yesterday.	Wind: Direc.	Wind: Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp.: Max.	Shade Temp.: Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.86	49	SW	2	bc	29.77	−.09	52	51	+7	SW	4	bc	*	53	32	—
	Hernösand ...	29.85	53	E	2	c	29.74	−.26	52	51	+7	S	2	b	*	61	36	0.08
	Stockholm ...	29.59	50	2	0	b	29.79	−.17	56	53	+7	SE	4	0	*	64	43	0.08
	Wisby	29.85	52	SSW	4	b	29.80	−.14	58	56	+1	SE	4	b	*	59	50	—
	Bodö	29.79	46	SSW	1	0	29.58	−.29	50	44	+6	E	2	b	1	50	41	—
	Christiansund	29.71	54	NNE	2	b	29.25	−.62	54	48	+6	E	5	c	2	53	48	—
	Skudesnaes ...	29.59	57	SE	6	0	29.55	−.79	56	58	+5	SSE	8	p	6	59	48	0.35
	Christiania Fjord (Færder)	29.80	56	S	3	c	29.40	−.47	57	56	+1	SSE	7	p	4	57	53	—
	Skagen (The Scaw)	29.64	59	SSE	4	c	29.38	−.24	58	56	+5	SSE	6	0	4	61	52	0.20
	Fanö	29.69	59	ESE	4	0	29.39	−.30	60	60	+7	S	4	p	*	64	54	0.08
BRITISH ISLANDS.	Sumburgh Head	29.28	52	SSE	5	0	28.73	−.85	54	54	+1	S	2	c	6	53	49	1.20
	Stornoway ...	28.99	54	2	0	0	28.38	−.75	53	54	+3	SW	3	c	4	56	50	0.20
	Wick	29.10	54	S	6	0	28.71	−.76	56	54	+4	S	5	ow	5	56	50	0.35
	Nairn	28.98	56	2	0	p	28.66	−.73	60	53	+7	SW	2	c	3	62	50	0.14
	Aberdeen ...	29.15	53	SSE	7	0q	28.81	−.67	57	53	+6	SSW	5	cq	5	57	51	0.49
	Leith	29.09	56	S	2	p	28.86	−.55	58	54	+4	SSW	5	p	*	64	53	0.14
	Shields	29.20	57	SSE	4	p	29.01	−.55	60	55	+5	SW	7	b	3	61	49	0.14
	Spurn Head ...	29.32	57	SSE	7	p	29.26	−.41	61	56	+7	SSW	6	bc	5	63	48	0.22
	York	29.38	56	S	2	p	29.15	−.43	59	54	+4	WSW	5	c	*	62	41	0.24
	Loughborough	29.38	58	SSW	5	p	29.30	−.34	60	53	+4	SW	5	cq	*	63	51	0.20
	Ardrossan ...	28.99	58	WSW	4	c	28.82	−.58	55	54	+1	S	7	0	6	60	54	0.81
	Malin Head ...	28.85	58	SSW	6	0p	28.60	−.75	53	53	+1	SW	7	cf	4	60	51	0.28
	Mullaghmore ...	28.99	59	SW	7	f	28.79	−.55	56	55	+2	SW	8	cqf	6	61	54	0.56
	Belmullet ...	28.96	58	WSW	7	3	28.81	−.48	54	52	0	WSW	7	0	*	60	49	0.83
	Donaghadee ...	29.01	59	W	4	0	28.91	−.51	56	55	0	WSW	5	0	3	60	54	0.29
	Liverpool (Bidston)	29.24	59	SSE	4	0	29.19	−.35	59	53	+3	SW	6	b	5	63	56	0.11
	Holyhead ...	29.21	59	SW	7	0mq	29.15	−.38	58	55	+1	SW	8	bq	6	60	55	0.30
	Parsonstown ...	29.14	60	SW	2	c	29.08	−.31	56	52	−1	SW	3	0	*	63	53	0.38
	Valencia	29.23	60	WSW	7	0m	29.23	−.17	58	54	0	WSW	7	0q	7	63	55	0.29
	Roche's Point...	29.29	58	WSW	6	b	29.28	−.17	55	54	0	WSW	7	c	5	60	54	0.35
	Pembroke (St. Ann's Hd.)	29.35	60	SSW	7	p	29.30	−.22	58	55	+2	SSW	7	bcq	7	60	56	0.25
	Scilly	29.53	61	SSW	6	mp	29.54	−.13	60	55	+3	WSW	6	c	6	61	56	0.20
	Prawle Point ...	29.58	59	WSW	7	f	29.56	−.19	59	56	0	WSW	7	cq	5	59	55	0.29
	Jersey (St. Aubin's)	29.76	62	SSW	4	pm	29.70	−.16	60	59	−1	WSW	5	pm	4	63	59	0.49
	Hurst Castle ...	29.58	60	SW	8	f	29.56	−.24	61	60	+3	WSW	9	cf	4	62	58	0.48
	Dungeness ...	29.70	58	SW	6	p	29.53	−.29	61	61	+1	SW	9	p	6	62	52	0.38
	London	29.58	59	S	5	0p	29.49	−.28	64	59	+7	SW	6	c	*	66	56	0.19
	Oxford	29.49	60	SW	5	0	29.45	−.29	60	58	+5	SSW	6	0fq	*	62	55	0.32
	Cambridge ...	29.55	60	S	3	p	29.43	−.30	61	56	+5	SW	3	c	*	66	54	0.19
	Yarmouth ...	29.58	60	SSW	5	cq	29.42	−.36	62	60	+6	SW	6	0q	5	64	55	0.23
GERMANY & HOLLAND.	Cuxhaven ...	29.82	60	SW	2	c	29.58	−.34	60	59	+3	SSW	5	p	*	67	59	0.40
	Berlin	29.88	62	2	0	b	29.81	−.15	60	57	+2	S	3	0	*	68	54	—
	Wiesbaden ...	*	*	*	*	*	29.87	−.06	64	61	+8	SW	1	0	*	72	55	—
	Munich	30.07	58	SW	6	c	30.07	+.10	61	57	+4	SW	4	bc	*	66	48	0.04
	The Helder ...	29.67	60	S	1	p	29.49	−.39	62	61	+6	SW	6	0	4	64	55	0.39
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*									*			
	Cape Gris Nez	29.72	60	SW	6	p	29.55	−.29	63	62	+6	SW	7	p	7	63	55	0.16
	Paris	29.91	65	SW	2	0	29.86	−.09	62	60	+6	SSW	4	0	*	73	?	—
	Brest	?	61	SW	3	m	?	?	59	59	−1	W	4	p	5	66	57	0.16
	Lorient	29.86	63	SW	6	p	29.79	−.12	63	61	+1	SW	7	0	6	64	59	0.04
	Rochefort ...	29.98	67	WSW	5	c	?	?	66	62	+2	WSW	5	0	2	70	61	—
	Belfort	30.00	63	W	4	c	30.00	+.08	59	49	0	W	3	c	*	72	43	—
	Lyons														*			
	Nice	29.87	73	E	1	b	29.99	+.04	67	63	+5	E	1	b	?	?	?	—
	Perpignan ...	30.03	75	NW	3	0	30.05	+.04	66	64	−3	E	0	b	*	84	57	—
	Biarritz	30.09	72	N	2	b	30.03	−.03	64	61	0	NE	2	b	1	79	59	—
PENINSULA.	Corunna	*	*	*	*	*												
	Lisbon	30.14	67	NW	4	b	30.13	−.02	64	58	−2	NNW	4	b	2	77	61	—

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Tuesday 1st September, 1891.

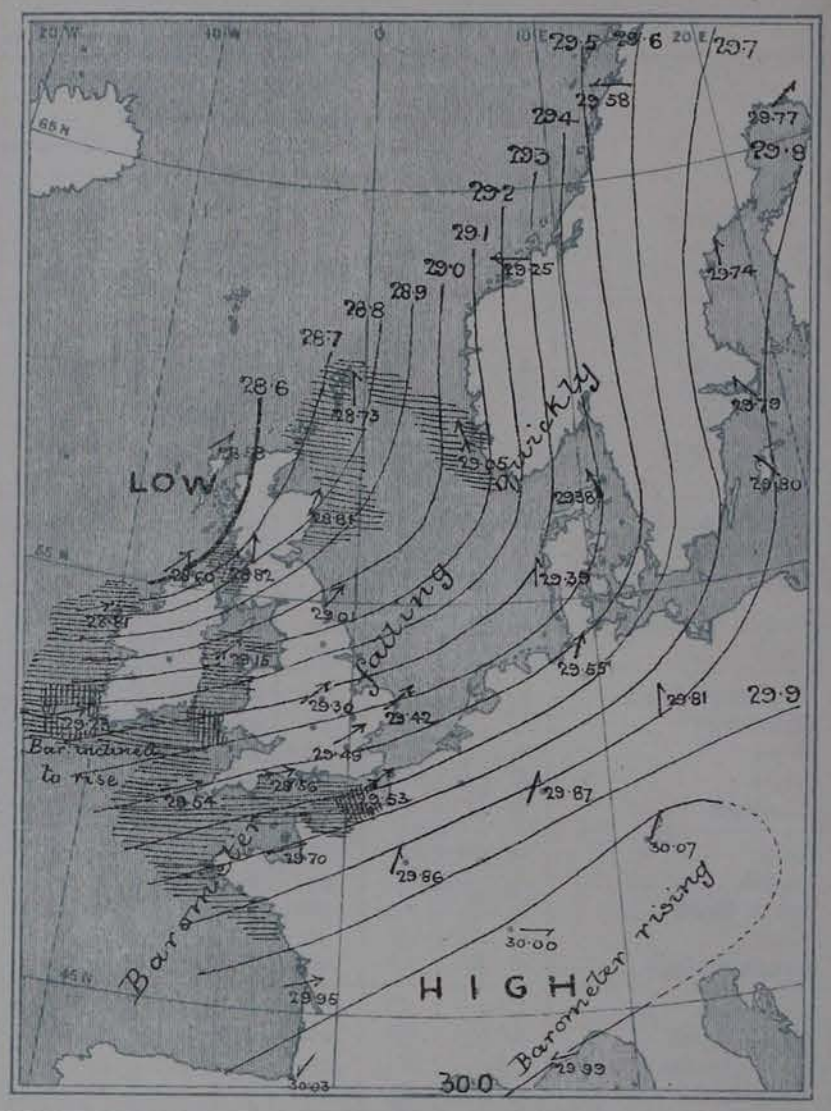
BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

WIND—Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·947
Valencia	29·917
Roche's Point	29·910
Pembroke	29·949
Scilly	29·971
Prawle Point	29·9[illegible]
Jersey	29·938
Hurst Castle	29·901
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·983
Yarmouth	29·948

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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry	Wet	RAINFALL. (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·52
Stornoway	56·3	45·8	51·1	50·1	1·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·67
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·62
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·0	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·3	49·2	53·5	52·3	3·54
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·1 ins and upwards in Portugal; 30·0 ins. and upwards in a long band extending thence across Spain and the south of France to South Germany.
Lowest 28·6 ins. in a deep depression lying off the west of Scotland.
Gradients steep over nearly the whole of northwestern Europe, and very steep over Ireland.
Barometer falling generally,—quickly in Scotland and on the E^ra shores of the North Sea, but inclined to rise at Valencia Island.

TEMPERATURE

Highest 67° at Nice, 66° at Rochefort and Perpignan, 64° in London and at Wiesbaden and Biarritz, and 63° at Cape Gris Nez and Lorient.
Lowest 50° at Bodö, 52° at Haparanda, 53° at Hernösand, and 54° at Christiansund and Sumburgh Head.
The highest maxima registered over our Islands yesterday were 66° in London & at Cambridge, & 64° at Leith and Yarmouth.

WIND

Strong to a gale from the SW^ly over Ireland and England, from the S^ly in Scotland, and from the SE^ly on the eastern shores of the North Sea; in the eastern parts of the Channel the gale is rather severe.
Moderate from the S^ly in Sweden and from the E^ly in the west of Norway. Light from E. or NE. in the extreme south of France.

WEATHER

Squally and showery over the whole of the United Kingdom; dull and rainy in Denmark & the south of Norway.
Fine over Sweden and the north of Norway, as well as over the southern parts of France.
Heavy rain has fallen in the west and north of our Islands, the largest amounts being 1·2 ins. at Sumburgh Head, and 0·8 in. at Ardrossan and Belmullet.

SEA

Rough or rather so on all coasts, and high at Valencia Island and Pembroke.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the extreme northwest will probably travel away to the northward but secondary disturbances are likely to advance over Ireland and England from the southwestward.

FORECASTS

For the 24 hours ending at NOON on 2ND SEPTEMBER 1891.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S^ly winds, strong, a gale in places; squally, rain at times.
1 SCOTLAND EAST	
2 ENGLAND N.E.	SW^ly winds, strong, a gale in places; squally, showery, but with bright intervals.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	S^ly to SW^ly strong winds and gales, squally, rain at times.
7 ENGLAND N.W.	SW^ly winds, strong to a gale at first, moderating later; squally, showery.
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	The South Cone was hoisted on all coasts yesterday and is still up.

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: D.	THER: W.	WIND D.	WIND F.	WEA	SEA
Skudesnaes ...	29.74	59	58	SSE	6	o	4
Sumburgh Head	29.44	58	52	SSE	4	o	5
Stornoway	29.15	56	54	SW	3	o	3
Aberdeen	29.32	54	53	NE	5	o g	6
Shields	29.42	61	55	SSE	4	o	3
Ardrossan	29.20	58	57	ESE	3	r	3
Malin Head ...	29.06	56	56	SSE	4	o r	2
Mullaghmore ...	28.99	59	57	SSE	7	o r g	6
Belmullet	28.96	60	59	WSW	6	o r	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.34	58	58	S	6	r m g q	6
Valencia	29.24	63	61	SW	8	o	6
Scilly	29.58	61	61	SW	6	m	4
Jersey	29.83	61	58	SW	4	o g	3
Dungeness	29.77	60	58	SW	6	r	4
London	29.65	63	58	SSW	4	o	*
Yarmouth	29.67	64	58	SSW	4	b c	4
Rochefort	29.98	65	64	WSW	4	o	?

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The Continental Information will appear in

tomorrow's Report

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.

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

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 WEDNESDAY 2ND SEPTEMBER. 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...														*			
	Hernösand ...	29.27	55	SE	8	7	29.01	-.73	54	54	+1	SSW	6	c	*	57	45	0.28
	Stockholm ...	29.41	55	SSE	6	0	29.28	-.57	61	56	+2	SW	6	c	*	64	48	0.04
	Wisby	29.53	61	SSE	6	0	29.45	-.35	60	57	+2	WSW	8	b	*	68	46	0.08
	Bodö	29.21	55	ESE	1	0	28.83	-.75	53	50	+3	E	2	0	1	55	45	0.08
	Christiansund	28.97	54	WSW	2	7	28.92	-.33	54	52	0	ESE	1	c	1	57	52	0.32
	Skudesnaes ...	28.97	58	S	8	7	29.08	+.03	56	54	-3	WSW	8	0	7	57	55	0.58
	Christiania Fjord (Færder)	29.17	57	SSW	5	0	29.11	-.25	59	55	+2	SSW	10	c	6	59	57	0.83
	Skagen (The Scaw)	29.22	56	WSW	5	0	29.25	-.09	58	55	0	W	6	c	5	63	55	0.16
	Fanö	29.38	61	WSW	6	b	29.52	+.13	59	55	-1	W	6	c	*	64	59	0.08
BRITISH ISLANDS.	Sumburgh Head	28.66	54	S	2	c	29.01	+.28	53	53	-1	2	0	m	4	58	51	—
	Stornoway ...	28.62	56	W	3	0	29.09	+.51	55	54	0	W	3	0	4	57	52	0.20
	Wick	28.60	58	W	3	0	29.09	+.38	56	54	0	NW	2	0	2	61	52	0.06
	Nairn	28.62	54	SW	3	7	29.12	+.46	55	53	-5	SW	2	c	1	63	52	0.16
	Aberdeen ...	28.67	57	SSW	6	bcqa	29.20	+.37	58	52	+1	SW	4	c	3	60	54	0.01
	Leith	28.75	58	SSW	6	7	29.31	+.45	57	52	-1	SW	5	b	*	61	48	0.24
	Shields	29.00	55	SSW	7	c	29.41	+.40	56	51	-4	SSW	4	c	2	63	?49	—
	Spurn Head ...	29.25	62	SW	8	c	29.61	+.35	58	53	-3	SW	6	b	5	66	52	—
	York	29.11	57	SW	6	bc	29.56	+.37	56	52	-3	SW	4	c	*	65	50	0.03
	Loughborough	29.35	66	WSW	7	bc	29.66	+.36	56	52	-4	WSW	5	bc	*	66	52	—
	Ardrossan ...	28.99	56	WSW	7	0	29.36	+.54	56	53	-1	WSW	6	bc	6	60	54	0.35
	Malin Head ...	28.94	55	WSW	6	cp	29.29	+.69	54	52	-1	WSW	6	cqp	4	57	52	0.14
	Mullaghmore ...	29.15	56	WSW	8	c	29.43	+.64	55	52	-1	SW	6	c	4	58	53	0.12
	Belmullet ...	29.18	56	W	6	c	29.43	+.62	55	51	+1	W	6	c	*	58	53	0.21
	Donaghadee ...	29.10	57	WSW	7	c	29.46	+.55	56	53	0	WSW	6	b	4	62	55	0.02
	Liverpool (Bidston)	29.28	55	WSW	6	0	29.61	+.42	55	51	-4	WSW	5	c	4	62	53	0.07
	Holyhead ...	29.28	57	SW	6	bq	29.57	+.44	56	52	-2	SW	5	cq	5	62	54	—
	Parsonstown ...	29.31	57	SW	2	c	29.58	+.50	54	51	-2	SW	1	bc	*	60	51	0.11
	Valencia	29.46	57	WSW	6	cpq	29.65	+.42	58	53	0	WSW	4	cp	5	61	52	0.09
	Roche's Point ...	29.47	56	W	6	bc	29.66	+.38	54	51	-3	WSW	4	bc	4	60	50	—
	Pembroke (St. Ann's Hd.)	29.48	57	SW	8	bcq	29.70	+.33	57	53	-1	SW	5	cq	6	60	56	0.01
	Scilly	29.67	60	WSW	6	cp	29.78	+.24	58	56	-2	WSW	3	0	6	61	54	0.01
	Prawle Point ...	29.67	57	W	6	bc	29.82	+.26	58	57	+1	SW	3	cm	3	60	54	0.01
	Jersey (St. Aubin's)	29.77	64	W	5	bc	29.90	+.20	62	58	+2	SSW	4	cm	3	66	58	0.03
	Hurst Castle ...	29.65	60	WSW	8	cmq	29.85	+.25	60	58	-1	WSW	7	cq	4	63	58	—
	Dungeness ...	29.58	62	WSW	8	bc	29.83	+.30	61	58	0	W	7	bc	6	65	57	0.13
	London	29.57	60	SW	5	cq	29.81	+.32	60	55	-4	WSW	3	bc	*	67	58	—
	Oxford	29.57	56	SW	5	8	29.77	+.32	58	54	-2	SW	4	oq	*	65	53	—
	Cambridge ...	29.51	58	SW	5	b	29.77	+.34	58	54	-2	SW	3	b	*	68	51	—
	Yarmouth ...	29.44	63	WSW	6	cq	29.71	+.25	58	56	-4	WSW	6	bq	4	67	52	—
GERMANY & HOLLAND.	Cuxhaven ...	29.55	58	SW	6	7	29.67	+.11	58	57	-2	SW	6	bc	*	67	57	0.20
	Berlin	29.76	67	SW	5	bc	29.86	+.05	64	58	+4	W	4	c	*	72	?	—
	Wiesbaden ...	*	*	*	*	*	29.77	+.10	64	61	0	SW	2	bc	*	70	55	—
	Munich	30.01	63	SW	2	b	30.12	+.05	63	58	+2	2	0	b	*	73	54	—
	The Helder ...	29.52	61	SW	6	b	29.76	+.27	60	56	-2	SW	4	bc	4	64	59	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	29.70		60	58		SSW	3	b	*	69	54	0.20
	Cape Gris Nez	29.62	61	SW	7	bc	29.81	+.26	59	56	-4	W	6	bc	7	63	55	0.08
	Paris	29.85	66	SW	5	0	29.98	+.12	60	58	-2	S	2	7	*	74	58	0.04
	Brest	29.84	62	WSW	4	c	?	?	60	60	+1	WSW	3	c	4	64	57	—
	Lorient	29.87	63	WSW	3	0	29.93	+.14	61	57	-2	SW	2	0	5	64	58	0.08
	Rochefort ...	?	?	WSW	5	f	?	?	65	63	-1	WSW	3	b	2	70	63	—
	Belfort	?	65	W	2	bc	30.07	+.07	63	50	+4	W	2	bc	*	77	50	—
	Lyons	29.96	74	S	1	b	30.08	+.04	66	61	+4	S	1	b	*	81	58	—
	Nice	30.02	70	E	1	b	30.06	+.07	68	60	+1	ENE	3	b	1	81	63	—
	Perpignan ...	29.99	71	Z	0	b	30.08	+.03	67	66	+1	NE	2	0	*	82	55	—
	Biarritz	30.04	69	N	3	b	30.02	-.01	68	63	+4	ESE	3	b	3	75	64	—
PENINSULA.	Corunna	*	*	*	*	*	30.06	-.07	65	62	+1	NNW	3	b	5	75	61	—
	Lisbon	30.06	66	NNW	4	b												

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Wednesday, 2nd Sept. 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

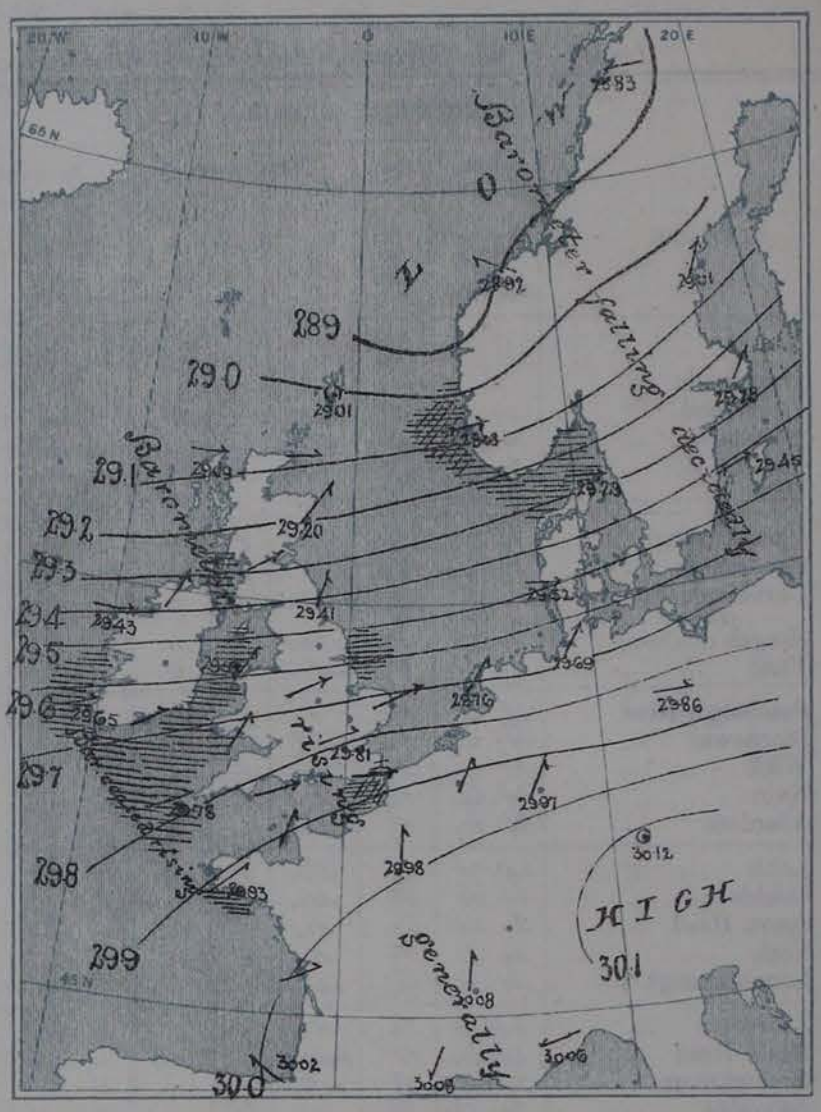
WIND - Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
= dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·998
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948



TEMPERATURE, & WEATHER AT 8 A.M.

WITH RAINFALL IN PAST 24 HOURS.

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

WEATHER is shown by Letters of the Beaufort Scale.

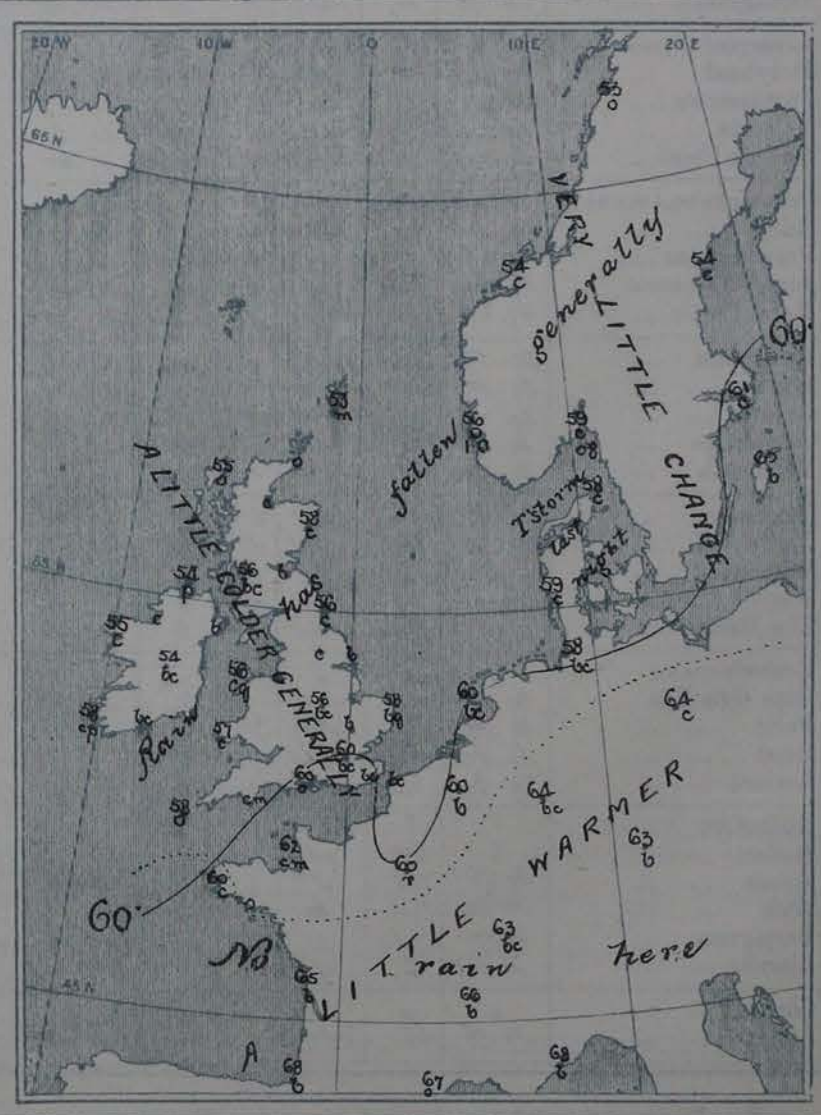
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	4·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·9	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·0 ins. to 30·1 ins. over France, South Germany, and the southern and eastern part of the Iberian Peninsula.

Lowest, 28·9 ins. and less, in a large and complex depression lying off the coast of Norway

Gradients still rather steep over the northern part of the United Kingdom, the North Sea, and the south of Scandinavia.

Barometer rising in most places, but steady at Scilly, and falling slightly at Biarritz and Lisbon.

TEMPERATURE

Highest, 68° at Nice and Biarritz, 67° at Perpignan, 66° at Lyons, and 65° at Rochefort and Lisbon.

Lowest, 53° at Bodö and Sumburgh Hd., 54° at Hernösand, Christiansund, Malin Hd., Parsonstown, and Roche's Point.

The highest maxima registered over our Islands yesterday were 68° at Cambridge, and 67° in London and at Yarmouth.

WIND

Chiefly SW$^{\frac{1}{4}}$, but E$^{\frac{1}{4}}$ in the northwest of Norway and the south of France, and NW$^{\frac{1}{4}}$ at Lisbon.

The gales noticed over our Islands yesterday have subsided, but the wind still blows strongly on the east and south coasts of England, and also in the north of Ireland.

A SW$^{\frac{1}{4}}$ gale is blowing over the southern part of Scandinavia.

WEATHER

Fair generally, but dull at the mouth of the Channel, showery at some of the Irish stations, and rainy at Paris.

Showers fell yesterday in all the more western and northern parts of the United Kingdom, as well as in the Netherlands and north of France. Heavy rain has occurred in the south of Norway (1·0 in. at Skudesnaes and 0·8 in. at Farder).

SEA

Rough on many parts of our western and southern coasts as well as off the south of Norway, rather rough at Spurn Hd., moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The unsteadiness of the barometer in the southwest of England and the west of France seems to indicate the approach of secondary depressions from the southwestward or southward, and unsettled weather is therefore likely to continue over the southern parts of the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 3rd Sept: 1891.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	W$^{\frac{1}{4}}$ and SW$^{\frac{1}{4}}$ winds, light or moderate; fair generally.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	SW$^{\frac{1}{4}}$ to S$^{\frac{1}{4}}$ winds, fresh; fair to cloudy and some rain.
☂ 5 ENGLAND SOUTH	SW$^{\frac{1}{4}}$ winds, strong on coast; fair to dull and rainy.
6 SCOTLAND WEST 7 ENGLAND N.W.	SW$^{\frac{1}{4}}$ winds, moderating; fair to showery.
☂ 8 ENGLAND S.W.	S$^{\frac{1}{4}}$ and SW$^{\frac{1}{4}}$ winds, increasing in force; dull, rainy.
9 IRELAND NORTH	Same as Nos 6 and 7.
10 IRELAND SOUTH	Light breezes, chiefly SW$^{\frac{1}{4}}$; changeable, some rain.
WARNINGS	The SOUTH CONE has been lowered this morning in all districts excepting 5 and part of 8.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.06	59	56	S	8	r	6
Sumburgh Head	28.71	56	55	S	2	c	6
Stornoway	28.54	55	55	S	2	r	2
Aberdeen	28.73	58	53	SSW	6	ogua	5
Shields	29.00	62	55	SSW	8	c	3
Ardrossan	28.75	59	56	S	7	r	6
Malin Head ...	28.72	55	55	WSW	6	cp	4
Mullaghmore ...	29.00	54	52	WSW	9	org	7
Belmullet	29.07	55	52	WNW	6	opq	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.15	60	56	SW	8	bmq	7
Valencia	29.39	60	56	WSW	7	c	7
Scilly	29.63	60	55	WSW	7	c	6
Jersey	29.75	65	58	WSW	5	og	4
Dungeness	29.55	64	59	WSW	8	c	6
London	29.52	65	58	SW	5	cq	*
Yarmouth	29.43	67	61	WSW	6	bcq	5
Rochefort	29.53	69	65	WSW	5	o	3

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning still very unsettled and showery over the whole of the British Islands and their neighbourhood as well as on the eastern shores of the North Sea and some parts of the Baltic; fine over Russia and the north of Scandinavia, and also over southwestern, southern and southeastern Europe. Showers during day over the greater part of the British Islands and the west and north of France, as well as in the Netherlands, no apparent fall in the southeast of England.

Temperature less low over the United Kingdom than of late. Morning readings touching 60° at several of our own, the French and German stations, and exceeding 70° over the Mediterranean and at Constantinople. Lowest 45° at Archangel, 50° at St Petersburg and Bodö, 52° at Moscow and Riga. Rising later to between 65° and 68° over England to 70° and more over Germany, and to 80° and more in the south of France.

Wind SW.^{3}, strong to a strong gale, over the British Islands and English Channel, S.^{3} and less strong over the North Sea, SE.^{3} to E.^{3} in Norway. Light over the greater part of the Continent, and very variable over the southern, central, and eastern countries. Gale continuing over the British Islands all day.

Barometer Highest 30.1 ins. and more to 30.0 ins. over Spain, the southern parts of France, Switzerland and south Germany; 30.0 ins. and more to 29.9 ins. over Russia. Lowest 28.6 ins. and less in the depression off our extreme northwest coasts. Depression moving northeastwards later and rapid rise of barometer commencing in Ireland and western parts of Great Britain.

Remarks on the Weather for the 24 hours ending 9 am on the 1st September 1891.

Weather very dull rainy and unsettled again over the British Islands and their neighbourhood, with thunder at Sumburgh Head, cloudy over central Europe, fine in the north as well as over the Iberian Peninsula and Mediterranean. Rain during day in all parts of northwestern Europe as well as over Switzerland and many parts of Germany and Austria; fall heaviest (0.8 in. and more) in extreme northwest of British Islands.

Temperature higher over our Islands than on Sunday morning but low for time of year. Morning readings exceeding 70° at many Mediterranean stations and at Constantinople, much lower elsewhere. Below 60° over all the central and northern countries and as low as 44° at Bodö, 45° at Haparanda, 46° at Helsingfors and Hernösand, 51° at Aberdeen, 53° at Fanö. Not exceeding 66° over our Islands later, but exceeding 80° in some of the southern parts of France, Austria and Italy, touching 88° at Malta, and exceeding 110° at Biskra.

Wind extremely variable in direction and light in force over the greater part of the Continent, S.^{3} (SSW to SSE) over the United Kingdom and the Channel, and strong in force. Increasing to a gale from S. and SW. over the British Islands, Channel and North Sea later, and blowing very hard in the Straits of Dover.

Barometer highest 30.1 ins. and more to 30.0 ins. over the Spanish Peninsula and southwest of France, exceeding 30.0 ins. over eastern Prussia, the Baltic Provinces and Gulf of Bothnia. Lowest 29.3 ins. and less in a deep depression approaching the northwest of Ireland from the southwestward. Depression apparently growing deeper later as it moved northeastwards, and spreading all over northwestern 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.

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

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 THURSDAY 3RD SEPTEMBER. 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	28.90	54	SSW	2	7	29.28		49	44		N	6	6	*	57	48	0.39
	Hernösand ...	29.16	57	SW	4	6	29.60	+.59	45	43	-5	NNW	4	6	*	68	49	—
	Stockholm ...	29.48	59	SW	1	0	29.73	+.45	60	53	-1	WSW	6	0	*	64	55	—
	Wisby	29.68	60	WSW	8	6	29.85	+.40	58	53	-2	WSW	8	6	*	66	46	—
	Bodö	29.13	46	NW	4	c	29.56	+.73	44	39	-9	NW	5	bc	3	54	43	0.08
	Christiansund	29.38	51	NE	3	6	29.70	+.78	49	46	-5	NE	4	bc	3	54	48	0.04
	Skudesnaes ...	29.47	56	SW	7	7	29.81	+.73	55	54	+1	WSW	6	c	6	55	54	0.28
	Christiania Fjord (Færder)	29.46	60	SSW	8	c	29.78	+.62	59	55	0	SSW	6	6	5	60	57	—
	Skagen (The Scaw)	29.67	58	W	6	0	29.87	+.58	55	54	-1	WSW	3	6	2	63	54	—
	Fanö	29.84	59	W	6	6	30.00	+.48	59	57	0	W	2	c	*	63	57	—
BRITISH ISLANDS.	Sumburgh Head	29.34	53	NNW	1	6	29.68	+.67	53	53	0	W	1	0	3	58	51	0.22
	Stornoway ...	29.37	56	SSE	2	0	29.69	+.60	56	54	+1	SW	4	c	4	57	50	0.10
	Wick	29.43	54	NW	2	0	29.78	+.69	53	52	-3	W	2	6	1	60	46	0.58
	Nairn	29.44	54	SW	2	0	29.77	+.65	55	50	0	SW	2	6p	1	61	47	0.06
	Aberdeen ...	29.50	57	SW	2	bc	29.84	+.64	56	50	-2	SSW	2	6w	2	64	44	—
	Leith	29.57	58	SW	3	bc	29.87	+.56	55	50	-2	SW	1	6m	*	63	48	—
	Shields	29.66	59	SSW	3	bc	29.93	+.52	54	51	-2	SSW	3	6	2	63	45	—
	Spurn Head ...	29.75	61	SW	3	c	29.57	+.36	54	51	-4	WSW	2	bm	3	64	49	—
	York	29.73	60	WSW	3	6	29.98	+.42	49	46	-7	SSE	1	6	*	64	40	—
	Loughborough	29.77	61	SW	2	bc	29.98	+.32	46	45	-10	ESE	1	bcfw	*	66	39	—
	Ardrossan ...	29.59	55	WSW	2	6	29.86	+.50	55	52	-1	SSW	3	c	2	61	52	0.06
	Malin Head ...	29.52	55	SW	5	c	29.77	+.48	51	49	-3	S	4	6	2	59	47	0.02
	Mullaghmore ...	29.61	55	SW	6	cp	29.76	+.33	53	49	-2	S	5	6	3	60	49	0.05
	Belmullet ...	29.55	55	WSW	5	6	29.70	+.27	53	52	0	SSW	5	0p	*	57	52	0.06
	Donaghadee ...	29.62	57	WSW	4	c	29.88	+.42	54	52	-2	SW	4	6	2	65	54	—
	Liverpool (Bidston)	29.76	58	WSW	4	6	29.96	+.35	57	52	+2	SE	1	6	2	62	47	—
	Holyhead ...	29.74	54	SW	4	6p	29.91	+.32	57	53	+1	SSW	3	c	3	62	51	0.05
	Parsonstown ...	29.70	57	SW	2	c	29.83	+.25	52	50	-2	S	0	6	*	59	44	0.04
	Valencia	29.75	58	WSW	4	bc	29.80	+.15	56	53	-2	SSW	5	bc	5	60	52	0.01
	Roche's Point ...	29.79	57	WSW	4	6p	29.85	+.15	55	53	+1	SSW	1	6	3	60	50	0.06
	Pembroke (St. Ann's Hd.)	29.83	58	WSW	4	6	29.93	+.23	55	55	0	S	3	bcp	3	60	55	0.01
	Scilly	29.50	60	WSW	3	bc	29.93	+.15	60	55	+2	SSE	3	c	5	65	55	—
	Prawle Point ...	29.85	57	SW	2	c	29.55	+.17	58	56	0	ESE	1	cw	1	59	50	—
	Jersey (St. Aubin's)	29.53	60	W	2	fogm	30.01	+.11	57	56	-5	WNW	2	of	2	63	51	0.11
	Hurst Castle ...	29.50	59	WSW	5	c	30.01	+.16	55	55	-5	ENE	1	f	1	62	50	0.07
	Dungeness ...	29.50	60	WSW	3	7	30.00	+.17	59	57	-2	N	2	cp	1	65	55	0.05
	London	29.86	60	SW	2	c	30.02	+.21	53	52	-7	S	1	fw	*	67	48	—
	Oxford	29.91	55	SW	2	op	30.02	+.25	47	47	-11	S	0	bcfw	*	62	44	0.03
	Cambridge ...	29.86	58	SSW	1	c	30.02	+.25	54	54	-5	SW	1	cw	*	67	45	—
	Yarmouth ...	29.83	63	W	2	bc	29.99	+.28	55	54	-3	W	2	bm	2	66	50	—
GERMANY & HOLLAND.	Cuxhaven ...	29.89	58	WSW	3	c	30.03	+.24	57	55	-1	SSW	2	0	*	65	55	—
	Berlin	30.08	69	S	0	0	30.10	+.24	65	62	+1	E	2	c	*	72	59	—
	Wiesbaden ...	*	*	*	*	*	30.03	+.06	64	61	0	S	0	bc	*	?	57	—
	Munich	30.12	67	E	2	6	30.12	0.0	64	62	+1	SE	2	6	*	77	54	—
	The Helder ...	29.93	61	SSW	2	c	30.04	+.28	58	57	-2	S	1	0	1	64	57	0.04
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.00	+.10	58	57	-2	NNE	1	m	*	69	57	0.04
	Cape Gris Nez	? 29.85	60	?	2	7	29.99	+.18	57	56	-2	S	0	0	1	63	54	0.16
	Paris	29.96	66	WSW	1	6	30.00	+.02	60	56	0	N	1	7	*	74	55	—
	Brest	?	60	WSW	2	0	?	?	57	55	-3	SE	2	0	5	63	55	—
	Lorient	29.96	59	W	1	0	30.00	+.07	57	56	-4	ENE	1	0	5	63	55	0.20
	Rochefort ...	?	68	NW	3	6	?	?	63	62	-2	N	3	0	2	81	61	—
	Belfort	30.04	64	W	1	bc	? 30.07	0.0	62	50	-1	W	3	bc	*	81	56	—
	Lyons	29.96	77	SSE	1	6	30.02	-.06	67	62	+1	ESE	1	6	*	84	63	—
	Nice	30.06	71	SSW	2	f	30.07	+.01	73	63	+5	S	0	6	1	82	64	—
	Perpignan ...	29.93	71	N	2	6	30.01	-.07	65	65	-2	W	1	c	*	?	60	—
	Biarritz	29.89	71	NE	3	6	29.91	-.11	68	66	0	WNW	2	0	5	84	66	—
PENINSULA.	Corunna	*	*	*	*	*												
	Lisbon	30.06	69	WNW	3	0	30.07	+.01	66	62	+1	N	4	0	3	75	64	—

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Thursday, 3rd Sept. 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

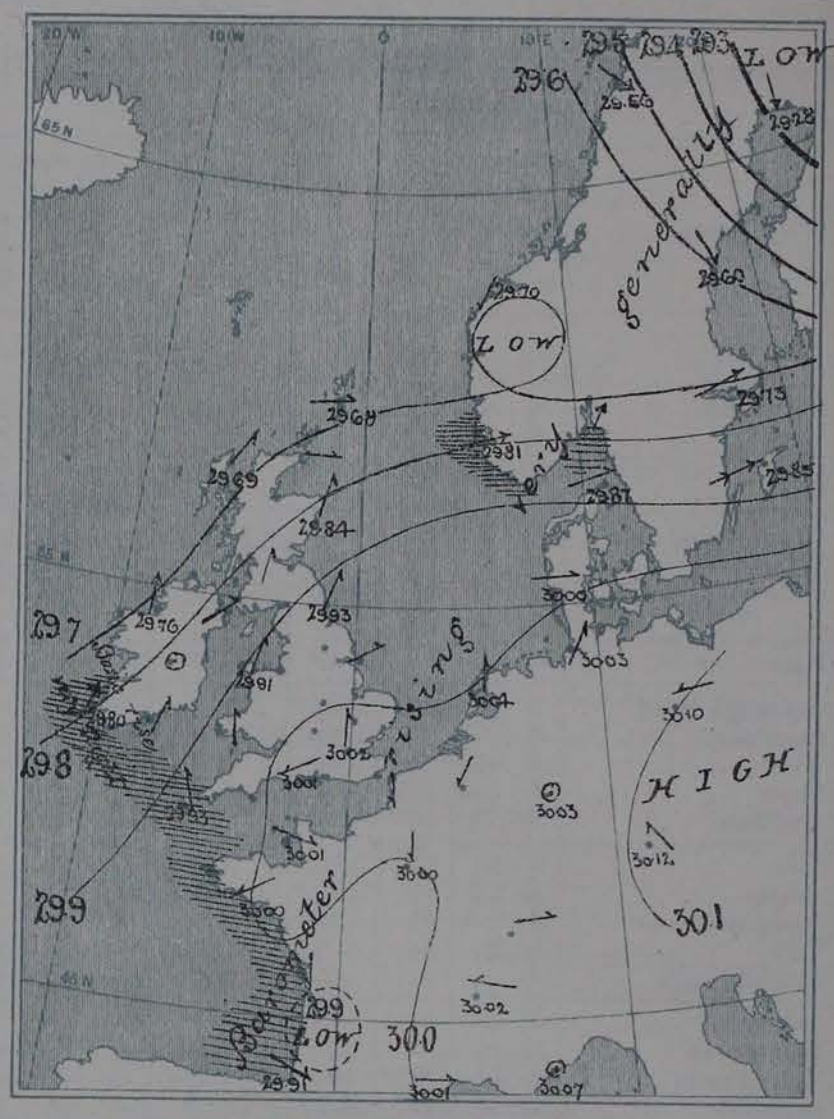
BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

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

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

SEA DISTURBANCE—Where considerable, is shewn thus:

= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

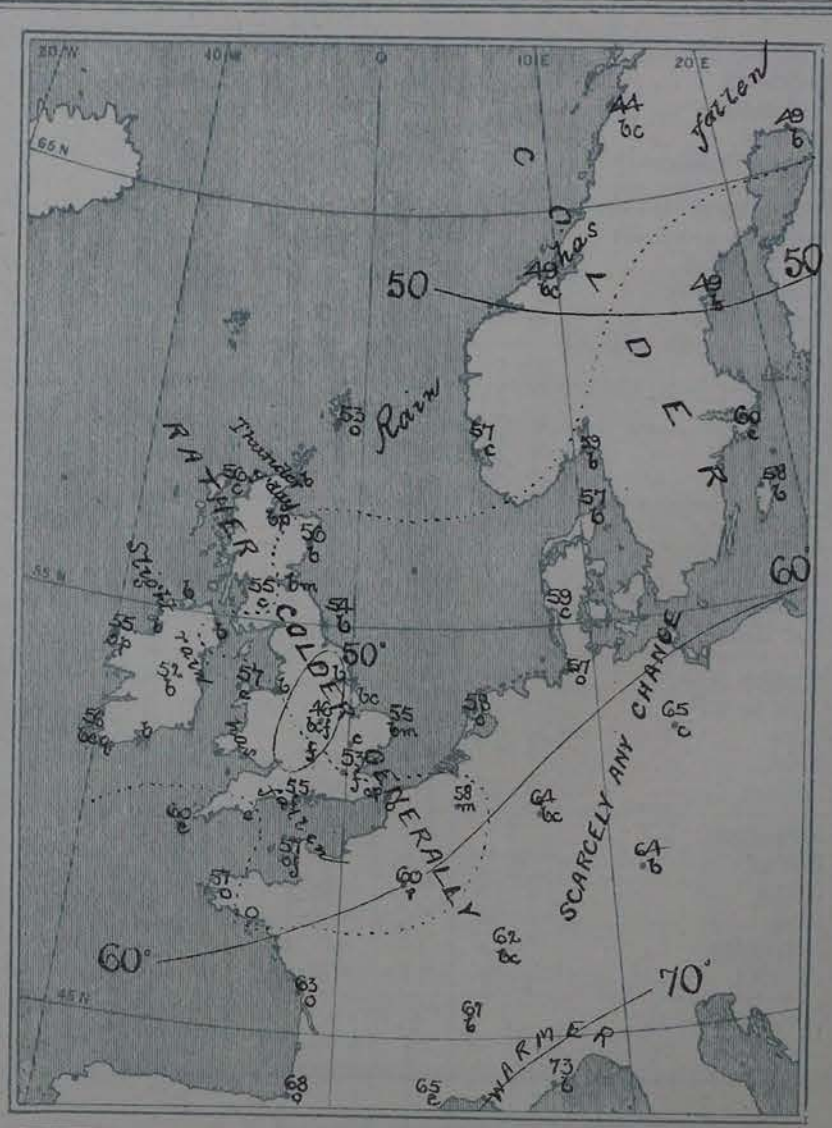
STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29 · 797
Stornoway	29 · 815
Wick	29 · 829
Nairn	29 · 843
Aberdeen	29 · 858
Leith	29 · 881
Shields	29 · 903
Spurn Head	29 · 929
York	29 · 939
Loughborough	29 · 959
Ardrossan	29 · 885
Mullaghmore	29 · 890
Donaghadee	29 · 965
Holyhead	29 · 929
Liverpool	29 · 935
Parsonstown	29 · 937
Valencia	29 · 947
Roche's Point	29 · 946
Pembroke	29 · 948
Scilly	29 · 971
Prawle Point	29 · 993
Jersey	29 · 988
Hurst Castle	29 · 991
Dover	29 · 970
LONDON	29 · 978
Oxford	29 · 971
Cambridge	29 · 965
Yarmouth	29 · 948

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

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

WEATHER is shown by Letters of the Beaufort Scale.

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



MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	at 8 a.m. Wet.	RAINFALL. (Inches.)
Sumburgh Head	55 · 6	46 · 1	50 · 8	49 · 1	3 · 32
Stornoway	56 · 3	45 · 8	51 · 4	50 · 1	4 · 10
Wick	57 · 7	45 · 5	51 · 9	50 · 0	2 · 53
Nairn	59 · 2	46 · 5	51 · 3	48 · 9	2 · 58
Aberdeen	59 · 2	46 · 7	52 · 1	49 · 7	2 · 97
Leith	61 · 9	47 · 5	53 · 2	50 · 8	2 · 34
Shields	59 · 8	48 · 8	53 · 1	51 · 0	2 · 50
Spurn Head	60 · 4	52 · 7	55 · 5	53 · 8	2 · 02
York	62 · 9	47 · 7	52 · 9	51 · 1	2 · 70
Loughborough	65 · 0	47 · 8	54 · 0	52 · 2	2 · 76
Ardrossan	59 · 6	49 · 4	53 · 5	51 · 4	3 · 67
Mullaghmore	60 · 2	50 · 9	54 · 0	51 · 6	4 · 95
Donaghadee	59 · 6	49 · 2	53 · 5	52 · 3	3 · 04
Holyhead	60 · 7	52 · 6	55 · 7	53 · 5	3 · 22
Liverpool	61 · 2	50 · 8	54 · 5	51 · 9	3 · 30
Parsonstown	61 · 5	47 · 4	53 · 0	51 · 1	3 · 16
Valencia	61 · 8	51 · 5	56 · 5	54 · 2	4 · 53
Roche's Point	61 · 7	51 · 0	55 · 5	53 · 4	4 · 08
Pembroke	60 · 1	53 · 0	56 · 1	53 · 9	3 · 58
Scilly	61 · 8	54 · 7	58 · 4	56 · 3	3 · 41
Prawle Point	62 · 4	52 · 2	57 · 0	55 · 2	2 · 46
Jersey	65 · 4	54 · 8	59 · 9	57 · 0	3 · 05
Hurst Castle	64 · 3	52 · 1	57 · 1	55 · 7	3 · 07
Dover	63 · 4	52 · 9	57 · 7	55 · 2	2 · 64
LONDON	66 · 4	49 · 6	55 · 8	53 · 5	2 · 35
Oxford	64 · 0	48 · 9	54 · 0	52 · 1	2 · 66
Cambridge	65 · 6	48 · 1	54 · 6	53 · 0	2 · 26
Yarmouth	62 · 1	51 · 4	56 · 3	54 · 4	2 · 91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·0 ins. to 30·1 ins. in an anticyclone lying over Germany, the Netherlands, the southeast of England, the north and east of France, and the southern parts of the Spanish Peninsula.

Lowest, 29·3 ins. and less, in a depression lying over Lapland.

Gradients slight generally. Barometer rising at all stations,—most in Scandinavia.

TEMPERATURE

Highest, 73° at Nice, 68° at Biarritz, 67° at Lyons, 66° at Lisbon, 65° at Berlin, and 64° at Wiesbaden and Munich.

Lowest, 44° at Bodö, 46° at Loughborough, 47° at Oxford, and 49° at Haparanda, Hernösand, Christiansund and York.

The highest maxima registered over our Islands yesterday were 67° in London and at Cambridge, and 66° at Loughborough and Yarmouth.

WIND

Light to fresh from the S.and in the western parts of the United Kingdom.

Light from SW. on our eastern coasts, strong from the same quarter over the southern parts of Scandinavia.

Moderate to strong from the NW.and or N.and over the north of Scandinavia. Light and variable over France, Germany, and the southeast of England.

WEATHER

Fine over the greater part of our Islands, as well as in Scandinavia, Denmark, Germany, and the east of France, but foggy in the southeast of England.

Dull over the Netherlands and the west and north of France, with rain at Havre and Paris.

Showers fell yesterday in many parts of the United Kingdom, and thunder occurred at Wick.

SEA

Rough off the south of Norway, and rather rough in the Bay of Biscay as well as at Valencia Island, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general appearance is more settled than of late. Depressions will probably travel northwards outside our western coasts, and occasion showery weather over Ireland, but the anticyclone which is spreading over England seems likely to continue for a time.

FORECASTS

For the 24 hours ending at NOON on 4th SEPT. 1891.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW.ly winds, freshening; fair to cloudy and showery.
1 SCOTLAND EAST 2 ENGLAND N.E. 3 ENGLAND EAST	SW.ly and S.ly winds, light or moderate, fine generally.
4 MIDLAND COUNTIES 5 ENGLAND SOUTH	Light Variable airs; fine generally, local fogs at night.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W.	S.ly winds, moderate, fair generally.
9 IRELAND NORTH 10 IRELAND SOUTH	S.ly winds, fresh or strong; fair to showery.
WARNINGS	None Issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.84	57	54	WSW	7	o	7
Sumburgh Head	29.28	56	56	NNW	1	o	4
Stornoway	29.28	57	54	W	2	o	3
Aberdeen	29.38	62	54	SW	3	c	3
Shields	29.55	62	53	SW	4	c	2
Ardrossan	29.53	60	56	WSW	4	c	3
Malin Head ...	29.44	58	53	WSW	5	b f	4
Mullaghmore ...	29.54	57	52	SW	6	c f	5
Belmullet	29.55	54	50	WSW	4	bc	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.71	60	55	SW	5	b	5
Valencia	29.72	60	55	WSW	6	bcq	6
Scilly	29.84	65	60	SW	4	bc	5
Jersey	29.53	63	60	SW	3	oq	3
Dungeness	29.85	63	59	WSW	5	c	4
London	29.85	64	59	SSW	3	o	*
Yarmouth	29.79	66	61	W	5	bc	4
Rochefort	?	75	69	SSW	3	b	?

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather very dull and rainy over northern Europe, dull over Germany and the North Sea, improving over the British Isles and north of France, but with showers in several places. Fine and bright over southwestern, southern, and eastern Europe. Showers during day over France and the British Islands as a whole, considerable rain in north of Scotland and southwest of Norway; thunderstorm in faithness.

Temperature remaining low for time of year all over our Islands and northwestern Europe – especially during daytime. Morning readings exceeding 80° over Algeria, and 70° at many of the Mediterranean stations and Constantinople; below 60° over the British Isles and northern Europe, and as low as 49° at Archangel, 53° at Bodö and Sumburgh Hd., 54° at St Petersburg and Parsonstown, and 56° over the inland parts of England. Daily maxima 60° to 67 over our Islands later, 70° and more in Germany, 80° to 84° in the southeast and south of France. Succeeding night cold over England.

Wind very light and variable over southern and eastern Europe, S. to W. in the north and northwest, and blowing strongly in most places – a gale at Faerder and Wisby. Moderating slowly over the United Kingdom later, and beginning to back towards S. at our western stations.

Barometer highest 30·1 ins. to 29·9 ins. over all the southwestern, southern, and eastern countries. Lowest, 28·8 ins. at Bodö, and below 29·0 ins. in a large depression lying over Norway and adjacent parts of Atlantic. Gradients over the northwestern and northern countries steep but decreasing. Rising all day over the British Isles and their neighbourhood, falling slightly over France and Spain.

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.

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

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 Friday 4th September. 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.76	35	WNW	2	6	30.10	+.82	43	40	−6	NW	2	6	*	55	37	—
	Hernösand ...	29.98	44	W	2	6	30.22	+.62	47	44	−2	NNW	2	0	*	64	41	—
	Stockholm ...	30.04	36	W	4	6	30.14	+.41	55	51	−5	0	0	0	*	66	54	—
	Wisby	30.06	35	SW	4	6	29.98	+.13	60	55	+2	ESE	4	0	*	66	54	—
	Bodö	29.91	43	WNW	5	6	30.16	+.60	44	41	0	SSW	2	c	1	45	39	—
	Christiansund	30.00	45	NE	2	c	30.04	+.34	50	48	+1	E	2	c	2	54	46	—
	Skudesnaes ...	30.04	36	SSW	4	c	29.98	+.17	53	52	−4	NNW	1	0	3	61	52	—
	Christiania Fjord (Færder)	29.99	35	SW	5	bc	29.95	+.26	57	54	−2	ESE	2	0	2	61	55	—
	Skagen (The Scaw)	30.08	55	WSW	1	6	29.87	−.02	54	53	−3	ESE	3	0	1	63	50	0.32
	Fanö	30.04	39	N	3	0	29.81	−.19	39	35	0	E	2	c	*	63	53	0.37
BRITISH ISLANDS.	Sumburgh Head	29.88	54	W	2	6	29.90	+.22	53	53	0	S	1	0	3	58	48	0.05
	Stornoway ...	29.83	56	SW	4	6	29.86	+.17	52	52	−4	S	3	7	3	59	42	0.05
	Wick	29.93	58	W	1	6	29.87	+.11	54	53	+1	SSW	1	bc	1	63	46	—
	Nairn	29.87	55	SW	1	bc	29.88	+.11	55	52	0	WNW	1	c	1	64	48	0.02
	Aberdeen ...	29.94	55	S	3	bc	29.94	+.10	50	45	−6	W	1	cmw	2	62	44	—
	Leith	29.92	60	SSW	2	bc	29.93	+.06	55	52	0	S	1	c	*	65	50	0.08
	Shields	29.94	56	SE	2	c	29.93	0.0	50	45	−4	S	1	m	2	64	47	—
	Spurn Head ...																	
	York	29.97	60	SE	1	c	29.96	−.02	50	50	+1	SSE	1	f	*	65	45	0.04
	Loughborough	29.94	60	ESE	1	c	29.97	−.01	52	50	+6	SW	2	bw	*	64	45	—
	Ardrossan ...	29.89	58	S	2	c	29.91	+.05	55	52	0	ENE	1	cm	1	61	49	0.06
	Malin Head ...	29.77	56	SSE	3	c	29.86	+.09	52	50	+1	SSE	2	bw	1	62	46	—
	Mullaghmore ...	29.76	55	SE	4	c	29.89	+.11	52	50	−1	E	4	og	2	61	50	—
	Belmullet ...	29.71	55	SSE	4	f	29.88	+.18	54	52	−1	N	1	o	*	55	51	0.12
	Donaghadee ...	29.88	56	SSW	4	bc	29.91	+.03	56	53	+2	S	3	b	1	62	53	0.01
	Liverpool (Bidston)	29.54	53	WSW	1	7	29.56	0.0	54	51	−3	S	1	c	2	65	51	0.22
	Holyhead ...	29.51	58	SSW	1	c	29.50	−.01	55	54	0	S	3	cf	2	63	51	0.21
	Parsonstown ...	29.80	58	S	0	b	29.88	+.02	55	53	+3	S	0	c	*	63	45	0.01
	Valencia	29.79	55	SW	6	7m	29.95	+.15	56	55	0	NW	4	0	4	55	52	0.18
	Roche's Point ...	29.87	55	SSW	3	bc	29.95	+.10	55	53	0	WSW	4	c	4	61	50	0.08
	Pembroke (St. Ann's Hd.)	29.52	58	S	2	bc	29.54	+.01	56	55	−1	WSW	4	bcf	4	60	55	0.02
	Scilly	29.95	55	SSW	3	cf	30.03	+.10	55	55	−3	W	3	bc	4	63	54	0.17
	Prawle Point ...	29.97	56	S	2	cm	30.06	+.07	58	56	0	SSW	3	bw	2	61	52	—
	Jersey (St. Aubin's)	?29.85	61	SE	2	8	30.11	+.10	61	55	+4	SW	4	bc	3	64	53	—
	Hurst Castle ...	29.98	55	SW	2	cm	30.07	+.06	60	55	+5	WSW	4	bc	1	63	55	—
	Dungeness ...	29.96	58	SSE	1	f	30.06	+.06	60	55	+1	W	2	bc	1	62	51	0.08
	London	29.98	60	SE	1	og	30.06	+.04	58	53	+5	SW	2	b	*	64	49	—
	Oxford	29.98	56	SSE	1	8	30.03	+.01	55	52	+8	SW	1	bw	*	62	47	0.15
	Cambridge ...	29.98	55	S	1	0	30.04	+.02	55	53	+1	S	2	bc	*	65	47	0.01
	Yarmouth ...	29.99	60	ENE	2	bc	30.00	+.01	55	53	0	W	3	bw	2	62	51	—
GERMANY & HOLLAND.	Cuxhaven ...	30.05	61	NE	1	c	29.85	−.18	62	61	+5	WSW	6	f	*	65	?	0.52
	Berlin	30.03	75	SE	2	bc	29.96	−.14	69	65	+4	S	4	b	*	81	64	—
	Wiesbaden ...	*	*	*	*	*	30.10	+.07	64	62	0	S	0	c	*	81	55	—
	Munich	30.05	65	S	0	b	30.16	+.04	62	61	−2	SW	3	b	*	75	62	0.04
	The Helder ...	30.01	60	ENE	2	b	29.99	−.05	60	58	+2	W	2	c	3	61	55	0.12
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.10	+.10	58	56	0	WSW	2	0	*	60	56	0.59
	Cape Gris Nez	29.95	58	ENE	3	7	30.02	+.03	58	55	+1	W	4	c	4	63	54	0.04
	Paris	29.96	61	NNE	2	7	30.15	+.15	56	55	−4	S	0	7	*	73	54	0.67
	Brest		64	W	2	bc	?	?	58	55	+1	W	2	b	2	68	55	—
	Lorient	30.02	62	W	2	b	30.13	+.13	59	55	+2	WSW	2	b	3	63	55	—
	Rochefort ...	?	65	NNW	3	0	?	?	61	58	−2	NNE	2	c	2	70	55	0.16
	Belfort	?30.04	73	W	2	bc	?30.12	+.05	61	50	−1	W	2	bc	*	76	56	—
	Lyons	29.95	77	S	3	0	30.14	+.12	62	60	−5	NW	1	7	*	84	60	0.08
	Nice	30.07	72	S	0	bc	30.12	+.05	69	60	−4	E	4	c	1	84	64	—
	Perpignan ...	29.91	74	NE	2	b	30.08	+.07	72	66	+7	NW	1	0	*	85	65	—
	Biarritz	30.06	64	N	4	7	30.15	+.24	61	60	−7	NNE	3	f	4	75	59	0.28
PENINSULA.	Corunna	*	*	*	*	*	30.18	+.11	61	54	−5	NNW	4	b	5	73	59	—
	Lisbon	30.15	64	N	4	bc												

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Friday, 4th Sept. 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

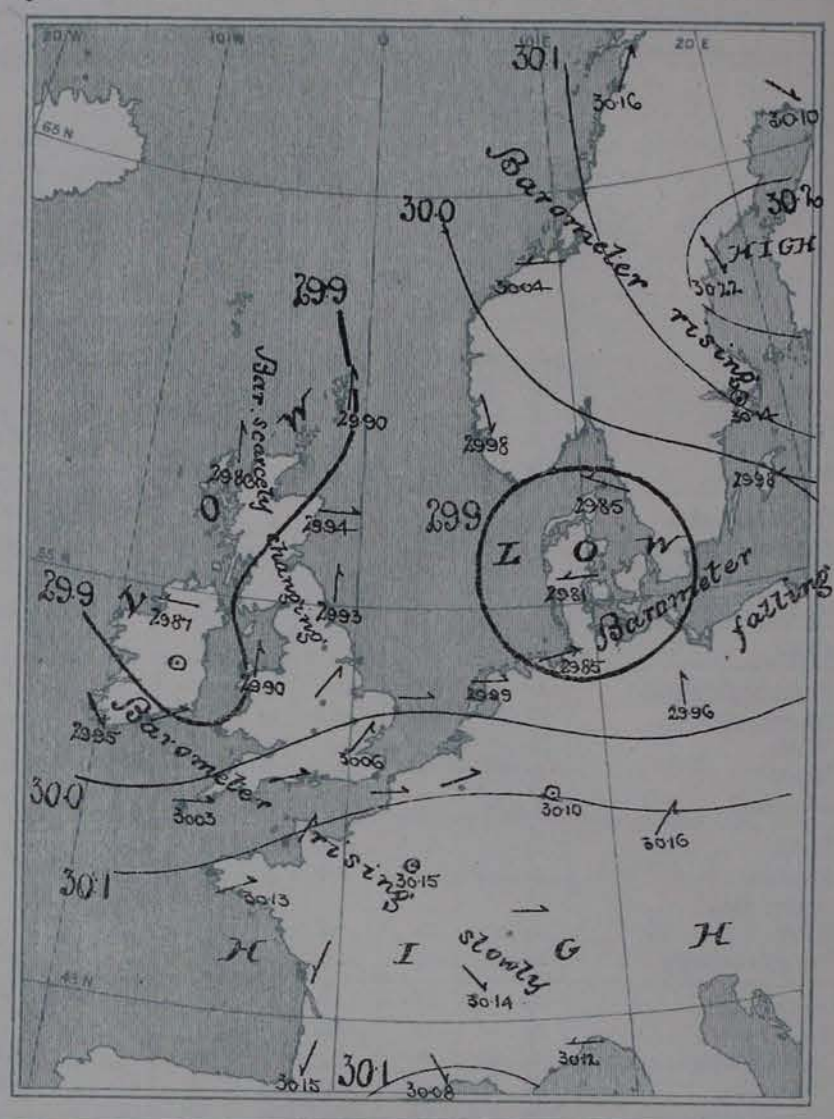
BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

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

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

SEA DISTURBANCE—Where considerable, is shewn thus:

= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

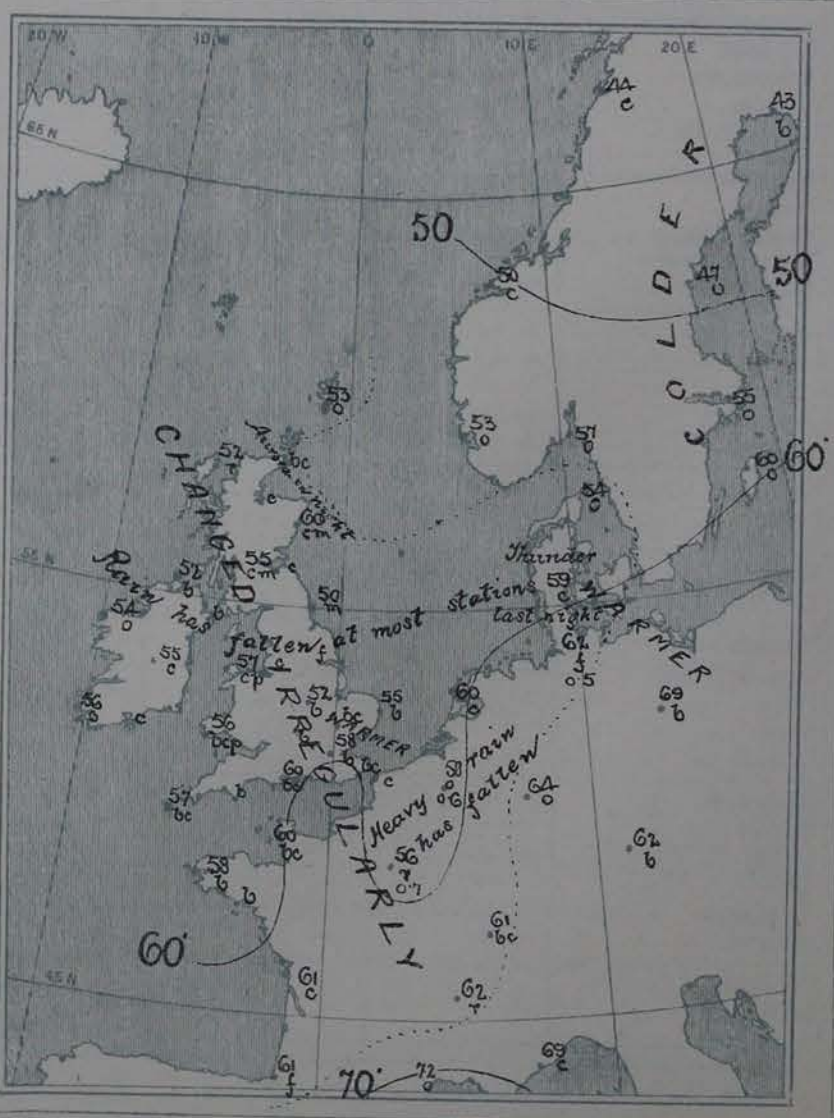
STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·947
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·968
Jersey	29·983
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948

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

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

WEATHER is shewn by Letters of the Beaufort Scale.

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



MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	4·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	54·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·9	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and upwards, in an anticyclone lying over the Gulf of Bothnia; 30·1 in: and upwards in another system lying over Spain, France, and south Germany.

Lowest, 29·9 in: and less, in a shallow depression lying over Denmark and also in another shallow disturbance lying over the west and north of our Islands.

Gradients slight. Barometer rising in most parts of Western Europe, but falling in Denmark and North Germany.

TEMPERATURE

Highest, 72° at Perpignan, 69° at Berlin and Nice, 64 at Wiesbaden, and 62° at Cuxhaven, Munich, and Lyons.

Lowest, 43° at Hapavanda, 44° at Rodi, 47° at Hernösand, and 50° at Christiansund and York.

The highest maxima registered over our Islands yesterday were 65° at Leith, York, and Cambridge, and 64° at Nairn, Shields, and in London.

WIND

Moderate from the W^ly or SW^ly over the southern parts of the United Kingdom, the Netherlands, and the north of France.

Light from the S^ly in the north of our Islands and from the E^ly over Denmark and the south of Scandinavia.

Light from NW in the north of Sweden; variable but chiefly N^ly in the southern parts of France.

WEATHER

Varies greatly in different localities; fair over the greater part of the United Kingdom, but showery at some of our western stations. Dull in Scandinavia and rainy over Central France, but fine in Germany.

Showers fell yesterday in many parts of Western Europe, and lightning was seen in the southwest of England, as well as at Lyons. Aurora was seen last night at Wick and Aberdeen.

SEA

Moderate on our southwest coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The presence of two high pressure systems — one to the southward and the other to the northeastward of our Islands — renders conditions favourable for the development of shallow depressions, and the weather is therefore likely to remain unsettled in most districts.

FORECASTS

For the 24 hours ending at NOON on 5th SEPT 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	Light breezes, chiefly S^ly; changeable, some showers.	6 SCOTLAND WEST 7 ENGLAND N.W.	S^ly and SE^ly winds, light; changeable, some showers
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW^ly winds, light or moderate; changeable, some showers, possibly thunder.	8 ENGLAND S.W.	SW^ly to W^ly or NW^ly winds, moderate; changeable, some showers.
		9 IRELAND NORTH	SE^ly to Variable breezes; unsettled, some rain.
		10 IRELAND SOUTH	NW^ly winds, light or moderate; changeable, some showers.
		WARNINGS	None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29·97	61	55	S	6	c	6
Sumburgh Head	29·83	56	54	W	3	o	4
Stornoway	29·80	55	53	SW	4	bc	4
Aberdeen	29·92	54	53	SSE	3	b	3
Shields	29·94	64	54	SW	3	c	2
Ardrossan	29·80	61	55	SW	2	b	2
Malin Head ...	?29·76	58	52	S	3	o	2
Mullaghmore ...	29·77	60	52	SSE	5	cv	3
Belmullet	29·71	56	53	S	4	op	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29·93	62	56	SSW	3	b	3
Valencia	29·82	58	54	SSW	5	o	5
Scilly	29·93	62	59	S	4	cp	4
Jersey	30·01	64	60	SSE	3	o r	3
Dungeness	30·01	60	58	Z	0	c	1
London	29·99	62	59	SW	1	o	*
Yarmouth	30·01	62	58	ENE	2	b	2
Rochefort	?	66	64	NNW	3	o	?

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning still fine and bright over southwestern, southern, and southeastern Europe, and improving over northern and northwestern Europe as a whole, but showery in the west of Ireland, rainy and unsettled in several parts of France. Slight showers in many parts of our Islands later, and a considerable fall of rain over Central France and on the eastern shores of the North Sea, with thunder and lightning in places. Very gloomy, close, and damp over London in evening.

Temperature continuing low over all the northwestern and northern countries, very low over England in early morning. Morning readings still exceeding 70° over the most southern countries (78° at Algiers, 77° at Malta) but below 60° over all the northern and northwestern regions, and as low as 46° at Loughborough, 47° at Oxford, 49° at York and also at Haparanda. Not exceeding 65° at any of our own stations during day, but rising to 80° and more in many parts of Germany and the west and south of France.

Wind very light and anticyclonic over eastern and central Europe, light and variable in the south, but W^ly on the Portuguese coast. S^ly and SW^ly over the United Kingdom (fresh in the west); strong NW^ly to W^ly over Scandinavia, strong to a gale from W. over the Baltic, moderate W^ly over Finland. Backing to E^ly and in southeast of England later, but very light.

Barometer highest 30·2 ins. and more to 30·0 ins. in a large anticyclone covering southeastern and central Europe, and 30·1 ins. and more to 30·0 ins. over the Iberian Peninsula. Lowest 29·7 ins. and less, in a large depression over the north of Russia, White Sea, and Kola Peninsula; 29·7 ins. and less, off our extreme northwestern coasts, and about 29·9 ins. in a local depression in the southwest of France. Latter disturbance moving northeastwards later, but barometer rising steadily in the west of our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Saturday 5th September. 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 6.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	30·11	?	2	0	6	29·90	−20	37	36	−6	NE	2	0	*	54	30	—
	Hernösand ...	29·96	49	NE	4	0	29·74	−·48	46	44	−1	N	4	7	*	54	34	0·35
	Stockholm ...	29·95	53	2	0	0	29·82	−·32	53	48	−2	W	6	0	*	68	44	0·35
	Wisby	29·85	62	WSW	4	6	29·92	−·06	53	50	−5	W	8	6	*	70	52	0·16
	Bodö	30·06	42	NNE	1	6	29·93	−2·3	45	41	+1	ENE	4	6	2	48	39	—
	Christiansund	29·86	55	NNW	2	6c	29·90	−·14	52	49	+2	WSW	4	7	2	?	52	—
	Skudesnaes ...	29·97	54	W	1	c	30·00	+·02	54	52	+1	SE	4	c	2	55	46	—
	Christiania Fjord (Færder)	29·95	50	NNW	5	7	29·93	−·06	53	48	−4	W	5	6	3	57	50	0·28
	Skagen (The Scaw)	29·89	53	NW	6	c	30·00	+·15	55	51	+1	WNW	3	6c	2	59	50	0·24
	Fanö	30·09	52	WNW	2	6	30·07	+·26	57	56	−2	SSE	2	6c	*	63	50	—
BRITISH ISLANDS.	Sumburgh Head	29·89	52	W	1	c	29·82	−·08	55	53	+2	S	2	c	3	57	47	—
	Stornoway ...	29·86	56	SW	3	6	29·68	−·18	53	53	+1	S	8	7	6	60	50	0·10
	Wick	29·96	56	SW	2	0	29·82	−·07	53	52	−1	SW	3	0	1	61	46	0·09
	Nairn	29·91	55	2	0	c	29·81	−·07	52	50	−3	S	1	0f	1	66	44	0·06
	Aberdeen ...	29·93	55	S	2	c	29·90	−·04	50	49	0	S	2	cmw	1	59	42	0·02
	Leith	29·93	61	SE	1	6c	29·94	+·01	55	51	0	SSW	1	om	*	63	49	—
	Shields	29·95	56	SE	1	6c	29·98	+·05	53	51	+3	SW	1	m	2	62	46	—
	Spurn Head ...	29·99	61	SSW	2	6c	30·04	+·09	56	54	−1	SW	4	6c	3	66	52	0·01
	York	29·98	59	S	2	0	30·03	+·07	56	54	+6	S	1	6c	*	66	47	0·01
	Loughborough	29·99	59	S	1	c	30·07	+·10	55	54	+3	W	1	cmw	*	68	51	0·02
	Ardrossan ...	29·95	56	SSW	1	6	29·94	+·03	54	53	−1	SSW	4	7	3	62	53	0·06
	Malin Head ...	29·94	57	W	2	6	29·95	−·01	54	53	+2	SSW	4	o7	2	61	51	0·09
	Mullaghmore ...	29·99	56	W	2	c	29·94	+·07	55	54	+3	SW	5	o7g	4	58	51	0·16
	Belmullet ...	30·02	58	WNW	2	0	29·91	+·03	53	52	−1	W	2	7	*	59	53	0·35
	Donaghadee ...	29·96	55	S	2	7	30·00	+·04	52	52	−4	SSW	2	7	0	61	50	0·03
	Liverpool (Bidston)	29·99	57	WNW	1	c	30·09	+·13	55	52	+1	WSW	2	0	2	61	52	0·35
	Holyhead ...	29·97	57	SW	3	cg	30·08	+·18	54	51	−3	WSW	4	cwg	3	62	51	0·01
	Parsonstown ...	30·00	58	2	0	c	30·04	+·19	55	52	0	SW	2	0	*	62	49	0·01
	Valencia	30·11	56	WNW	3	om	30·08	+·13	55	55	+3	SW	5	0	5	61	50	0·02
	Roche's Point ...	30·06	57	NW	3	6c	30·12	+·17	55	54	0	WSW	3	m	4	60	48	—
	Pembroke (St. Ann's Hd.)	30·03	57	WSW	4	6c	30·16	+·22	56	52	0	WSW	4	c9	4	58	54	0·01
	Scilly	30·12	59	W	4	6cf	30·21	+·18	59	55	+2	WSW	3	6c	3	63	54	0·01
	Prawle Point ...	30·12	56	SW	4	6c	30·22	+·16	58	55	0	W	3	6c	2	62	54	—
	Jersey (St. Aubin's)	30·16	63	SW	3	6	30·25	+·14	60	55	−1	WNW	4	cm	3	66	55	—
	Hurst Castle ...	30·12	60	WSW	4	6c	30·19	+·12	59	57	−1	W	3	6	2	64	56	—
	Dungeness ...	30·12	60	WSW	5	6c	30·17	+·11	60	57	0	W	4	c	2	66	54	0·02
	London	30·08	61	WSW	2	6	30·15	+·09	57	54	−1	WSW	2	6w	*	67	49	—
	Oxford	30·10	56	SW	2	c	30·15	+·12	55	53	0	WSW	2	6c	*	64	49	0·08
	Cambridge ...	30·07	59	SW	1	c	30·13	+·09	56	55	+1	SW	1	6	*	69	47	0·05
	Yarmouth ...	30·06	63	SW	2	6c	30·10	+·10	57	55	+2	W	4	6	3	66	51	—
GERMANY & HOLLAND.	Cuxhaven ...	30·08	58	WNW	3	6	30·13	+·28	57	56	−5	SW	1	6	*	65	55	—
	Berlin	30·11	68	NW	3	6	30·17	+·21	59	56	−10	NE	2	0	*	82	57	0·04
	Wiesbaden ...	*	*	*	*	*	30·15	+·05	61	58	−3	N	2	0	*	72	59	0·20
	Munich	30·16	65	SW	3	c	30·17	+·01	61	60	−1	W	4	0	*	75	57	0·04
	The Helder ...	30·13	59	WSW	1	6	30·13	+·14	60	56	0	SW	2	6c	3	63	55	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30·20	+·10	58	54	0	SSW	1	6c	*	69	50	—
	Cape Gris Nez	30·11	60	W	3	c	30·15	+·13	59	56	+1	WSW	4	c	4	61	55	—
	Paris	30·18	59	NE	1	0	30·26	+·11	50	50	−6	S	1	6	*	67	46	—
	Brest	?	65	NW	1	6	?	?	54	53	−4	NNW	1	6c	2	70	52	—
	Lorient	30·19	62	W	3	6	30·29	+·16	54	54	−5	2	0	6	3	66	54	—
	Rochefort ...	?	64	WNW	3	6	?	?	58	56	−3	NE	3	6c	*	72	54	—
	Belfort	? 30·12	74	W	3	6c	?	0·0	62	54	+1	W	2	0	*	85	51	0·28
	Lyons	30·16	64	N	1	c	30·22	+·08	56	55	−6	N	1	7	*	72	55	0·28
	Nice	30·08	73	2	0	c	30·06	−·06	69	61	0	2	0	c	0	86	66	—
	Perpignan ...	30·13	68	W	3	0	30·17	+·09	60	55	−12	W	2	7	*	75	55	0·20
	Biarritz	29·84	61	WSW	3	c	30·24	+·09	59	57	−2	E	2	om	1	63	55	0·08
PENINSULA.	Corunna	*	*	*	*	*	30·10	−·08	62	55	+1	NNW	5	6	4	72	61	—
	Lisbon	30·15	63	NNW	5	6												

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 5th Sept. 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

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

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

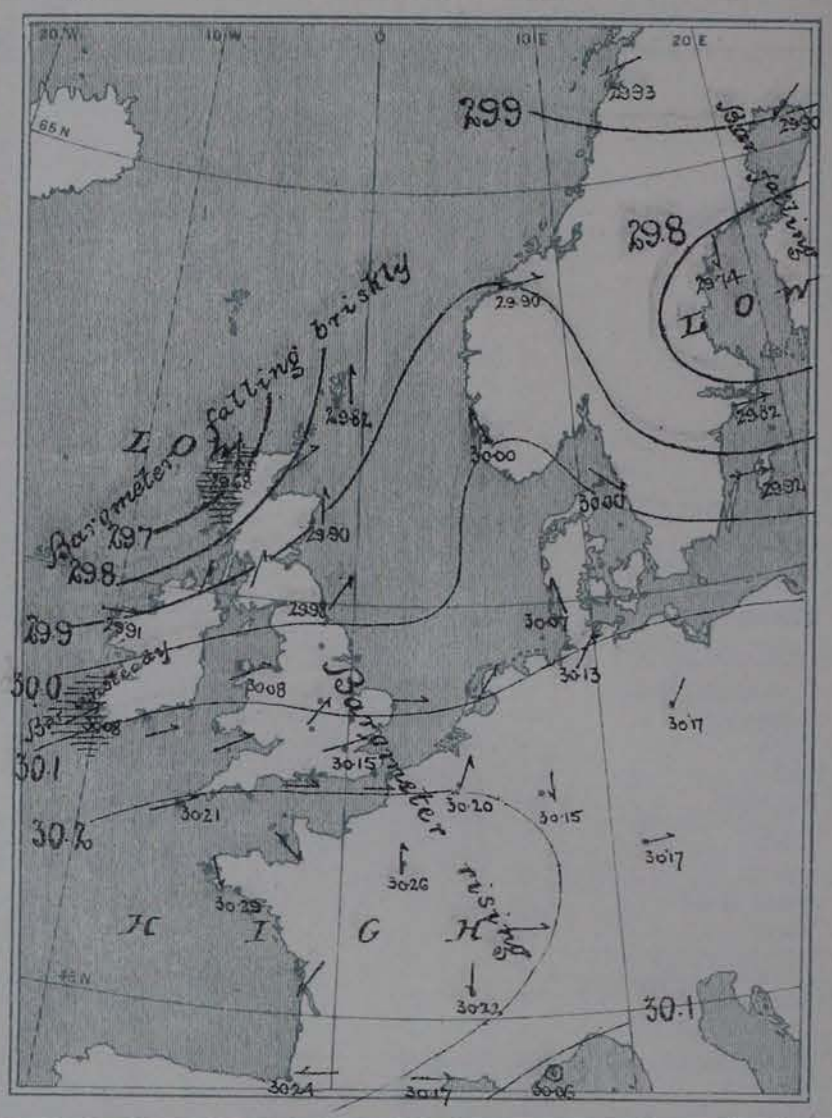
SEA DISTURBANCE—Where considerable, is shewn thus:

= Rough. = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·955
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·968
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948



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

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

WEATHER is shown by Letters of the Beaufort Scale.

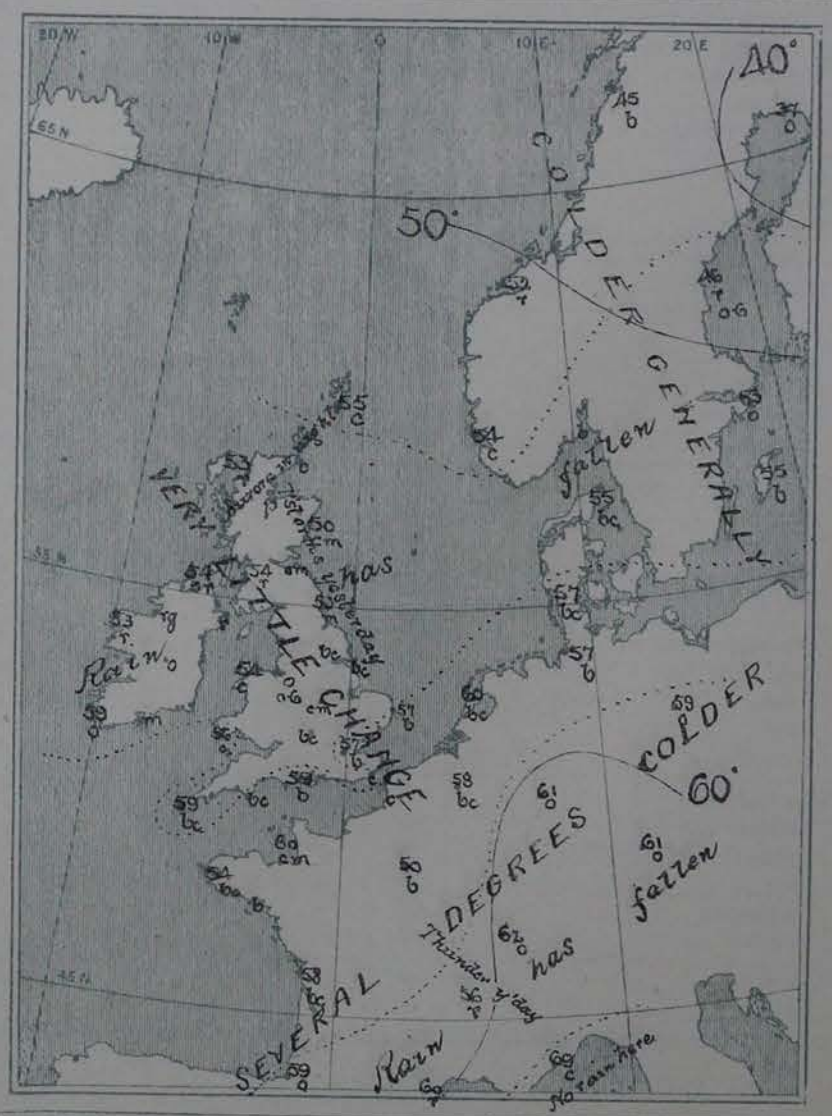
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	4·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·62
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·0	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·68
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·65
Hurst Castle	64·3	52·1	57·1	55·7	3·67
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 ins: and upwards, in a large anticyclone lying over the Bay of Biscay, the Channel, and France.

Lowest, 29·7 ins: and less, in a depression lying off the northwest of Scotland; 29·8 ins: and less, in another disturbance over Central Sweden.

Gradients moderate over the north of our Islands, slight elsewhere.

Barometer falling briskly in the extreme northwest of the United Kingdom and also in the north of Scandinavia, but rising in most other localities.

TEMPERATURE

Highest, 69° at Nice, 62° at Belfast and Lisbon, 61° at Wiesbaden and Munich, and 60° at Jersey, Dungeness, the Helder, and Perpignan.

Lowest, 37° at Haparanda, 45° at Boris, 46° at Hernösand, 50° at Aberdeen and Paris, and 52° at Christiansund and Nairn.

The highest maxima registered over our Islands yesterday were 69° at Cambridge, 68° at Loughborough, and 67° in London.

WIND

S^ly over the northern parts of the United Kingdom, with a fresh gale in the Hebrides.

Light to moderate from the SW^ly or W^ly in the south of our Islands, as well as over the Netherlands and North Germany.

Strong to a gale from the W^ly in the south of Sweden, light from E. or NE. in the north of Scandinavia, as well as over the southern parts of France.

WEATHER

Dull in the west and north of our Islands, with rain in the west of Scotland and the north of Ireland. Rainy also at Christiansund and Hernösand.

Fine in most other parts of Western Europe, but rainy at Lyons and Perpignan.

Showers fell yesterday in many places, and thunderstorms occurred in the north of our Islands. Aurora was seen at Wick at night.

SEA

Rough at Stornoway and rather rough at Valencia Island, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the northwest of Scotland seems likely to travel away in a northerly or northeasterly direction, and the weather over the southern parts of our Islands will probably remain fair.

FORECASTS

For the 24 hours ending at NOON on 6th Sept 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S^ly to SW^ly winds, strong; dull, some rain.	6 SCOTLAND WEST	SW^ly winds, freshening; changeable, showery.
1 SCOTLAND EAST	S^ly winds, moderate or fresh; cloudy, some showers.	7 ENGLAND N.W.	Same as No 2
2 ENGLAND N.E.	SW^ly winds, moderate; fair to showery.	8 ENGLAND S.W.	Same as Nos 3 to 5
3 ENGLAND EAST	W^ly or SW^ly winds, moderate; fine generally, warmer	9 IRELAND NORTH	Same as No 6.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as No 2.
5 ENGLAND SOUTH		WARNINGS	None issued

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.94	55	51	E	1	p	3
Sumburgh Head	29.87	55	54	S	2	c	4
Stornoway	29.86	58	56	SW	3	c	3
Aberdeen	29.93	57	54	SSE	3	bcpt	2
Shields	29.95	58	55	E	1	c	2
Ardrossan	29.95	62	57	SSW	1	b	1
Malin Head ...	29.91	58	54	WNW	2	b	1
Mullaghmore ...	29.96	58	55	WNW	3	bcv	2
Belmullet	30.00	59	54	NNW	2	bc	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.96	61	57	SW	3	b	2
Valencia	30.07	60	57	NW	4	bcq	4
Scilly	30.10	63	58	WSW	4	bc	3
Jersey	30.15	65	58	WSW	3	b	3
Dungeness	30.11	64	58	W	5	bc	3
London	30.08	65	58	WSW	2	c	*
Yarmouth	30.06	65	57	WSW	4	bcv	2
Rochefort	?	64	61	ENE	3	o	?

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine and bright over the Spanish Peninsula, the Mediterranean, Eastern, central, and northern Europe, fair over England, but still unsettled and rainy in several parts of France, and also in the western and northern parts of the British Isles. Showers later in most parts of our Islands (heavy at Liverpool), and thunderstorms in the northern parts of Great Britain; a good deal of rain in Sweden, and a considerable fall in the southern parts of France. Appearance over England improving.

Temperature continuing low over the United Kingdom. Morning readings ranging between 70° and 80° on the various shores of the Mediterranean and at Constantinople, much lower elsewhere; below 60° all over the British Isles, northwestern, and northern Europe, and lowest of all, 43° at Kajaranda, 44° at Bodö, 46° at Archangel and Kuopio, 47° at Thorshavn, 50° at York, and 52° at Mullaghmore. Not reaching 70° at any of our snow stations during day, but exceeding 80° over some of the southern Departments in France.

Wind very variable; light to moderate in force in the north and northwest, very light elsewhere. Mainly W in the far north but E over Denmark and the Baltic. SW to S over the greater part of the United Kingdom, and W to N in Ireland. Veering towards SW on our northwestern coasts later.

Barometer highest 30.3 ins. to 30.1 ins. over Russia, Austria and Eastern Germany, and in a ridge stretching thence over the Baltic and Scandinavia, and 30.2 ins. to 30.1 ins. over the Bay of Biscay, France, and the northwest of Spain. Lowest 29.9 ins. and less, over the west of Scotland and north of Ireland, and also in a shallow depression over Denmark and Holstein. Rising throughout our Islands later, most in Ireland. Gradients very slight.

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.

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

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 Sunday 6th September. **1891.**

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.57	31	NE	0	6	30.06	+.16	37	35	0	NE	0	8	*	45	31	—
	Hernösand ...	30.03	46	NNW	2	0	30.05	+.31	48	45	+2	S	2	0	*	55	41	—
	Stockholm ...	30.00	49	NW	2	0	30.06	+.24	52	50	−1	SE	2	0	*	61	48	—
	Wisby	29.96	58	NW	4	6	30.04	+.12	56	52	+1	WSW	4	6	*	61	52	—
	Bodö	29.93	45	S	1	6	30.11	+.18	44	43	−1	?	2	6	4	?	37	—
	Christiansund	29.93	53	WNW	2	6	29.73	−.17	52	48	0	SE	5	6	2	57	48	0.08
	Skudesnaes ...	29.90	57	SSE	5	0	29.68	−.32	56	54	+2	SSE	8	7	6	57	54	0.28
	Christiania Fjord (Færder)	29.97	57	SW	3	6	29.91	−.02	57	54	+4	SSW	3	0	3	58	53	0.08
	Skagen (The Scaw)	30.00	57	WSW	1	6	29.95	−.05	55	54	0	SW	2	6	0	63	54	—
	Fanö	30.05	56	SW	3	6	29.99	−.08	60	57	+3	SSW	4	6	*	63	55	0.28
	Sumburgh Head	29.69	53	S	2	6	29.34	−.48	52	50	−3	SW	2	6e	4	56	49	0.15
	Stornoway ...	29.66	54	W	4	7	29.40	−.28	50	48	−3	W	4	7	4	59	43	0.30
	Wick	29.66	52	S	4	0	29.44	−.22	52	49	−1	W	4	6e	2	60	46	0.25
	Nairn	29.69	55	SW	2	7	29.46	−.35	52	48	0	SW	1	6e	1	62	46	0.06
	Aberdeen ...	29.76	56	SSW	3	0	29.52	−.24	53	49	+3	SW	2	6w	3	58	49	0.01
BRITISH ISLANDS.	Leith	29.81	56	SSW	3	0	29.59	−.35	55	51	0	SW	4	6	*	63	49	0.23
	Shields	29.92	58	SSW	4	0	29.63	−.31	54	52	+1	SSW	3	7	2	61	51	0.15
	Spurn Head ...	30.02	60	SW	3	0	29.84	−.20	56	53	0	SSW	5	0	4	65	53	—
	York	30.02	57	SSW	2	0	29.77	−.26	60	55	+4	SSW	4	0	*	63	51	—
	Loughborough	30.05	59	WSW	2	0	29.88	−.19	56	54	+1	SW	3	0	*	65	52	—
	Ardrossan ...	29.75	56	SSW	3	7	?29.61	−.33	55	52	+1	SW	4	6	3	58	52	0.60
	Malin Head ...	29.63	53	SW	5	0	29.55	−.28	53	50	−1	SW	4	0	3	56	50	0.41
	Mullaghmore ...	29.70	56	SSW	7	7	29.63	−.27	52	51	−3	SW	5	6	4	58	51	0.56
	Belmullet ...	29.74	55	WSW	5	0	29.63	−.26	52	52	−1	W	5	6	*	56	51	0.96
	Donaghadee ...	29.81	56	SW	2	7	29.69	−.21	52	52	0	SW	4	6	2	58	51	0.42
	Liverpool (Bidston)	30.01	55	SW	3	0	29.78	−.21	56	55	+1	SW	5	7	4	60	55	0.06
	Holyhead ...	29.77	56	SW	5	0	29.75	−.18	53	53	−1	WNW	4	7	4	58	58	0.78
	Parsonstown ...	29.79	58	SW	2	6	29.77	−.25	52	50	−3	Z	0	6	*	58	45	0.53
	Valencia	29.95	55	SSW	7	0	29.86	−.22	53	53	−6	WNW	1	7	2	61	52	0.56
	Roche's Point ...	30.03	56	WSW	4	6	29.89	−.25	56	56	+1	WSW	6	6	5	55	53	0.15
	Pembroke (St. Ann's Hd.)	30.08	55	NW	4	6	29.89	−.25	58	55	+2	SW	6	6	6	55	55	0.01
	Scilly	30.17	58	SW	4	6e	30.02	−.19	60	57	+1	SSW	5	6	3	63	55	0.02
	Prawle Point ...	30.20	55	WSW	3	6	30.06	−.16	55	55	−1	WSW	4	7	3	60	54	—
	Jersey (St. Aubin's)	30.24	61	WNW	3	6	30.16	−.09	55	52	−1	SW	4	0	4	64	52	—
	Hurst Castle ...	30.18	55	W	4	6e	30.08	−.11	55	56	0	WSW	6	6	2	65	56	—
	Dungeness ...	30.15	60	W	5	6	30.07	−.10	60	55	0	WSW	6	6	4	65	52	—
	London	30.13	6	WSW	2	6e	30.04	−.11	56	54	+2	S	4	6e	*	67	49	—
	Oxford	30.14	54	SW	2	6	30.00	−.15	56	53	+1	SW	3	0	*	63	48	—
	Cambridge ...	30.11	56	SW	1	6	29.98	−.15	56	53	0	SSW	2	6	*	68	46	—
	Yarmouth ...	30.08	64	W	2	6	29.98	−.12	55	53	−2	SW	4	6	3	65	50	—
GERMANY & HOLLAND.	Cuxhaven ...	30.13	58	WNW	1	6	30.11	−.02	55	54	−2	S	2	6	*	63	53	—
	Berlin	30.17	63	Z	0	0	30.16	−.01	56	55	0	Z	0	6	*	66	54	—
	Wiesbaden ...	*	*	*	*	*	30.16	+.01	55	53	−6	Z	0	6	*	68	50	—
	Munich	30.15	58	W	3	7	30.13	−.04	54	54	−7	NW	2	0	*	66	54	0.47
	The Helder ...	30.14	56	SW	1	6	30.05	−.08	56	57	−1	SW	3	6	3	63	55	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.15	−.05	56	53	−2	SW	2	6	*	68	47	—
	Cape Gris Nez	30.16	56	WSW	4	6e	30.13	−.02	56	55	0	W	5	0	5	63	55	—
	Paris	30.22	66	NE	1	6e	30.21	−.05	50	50	0	Z	0	6	*	70	46	—
	Brest	?	64	WSW	1	6e	?	?	56	?	+5	SW	2	0	2	68	54	—
	Lorient	30.26	60	W	3	6	30.18	−.11	54	53	0	ESE	2	6	2	66	54	—
	Rochefort ...	?	65	NW	4	6	?	?	56	55	−2	ENE	3	6	2	70	50	—
	Belfort	?	68	W	3	6	?	?	51	49	−11	W	3	6	*	77	50	0.16
	Lyons	30.16	60	NW	2	6	30.14	−.08	55	51	+1	NNW	4	6	*	62	54	0.04
	Nice	29.95	65	ENE	4	0	29.85	−.17	65	63	−4	E	1	6	2	81	61	0.63
	Perpignan ...	30.10	67	NW	4	6	30.13	−.04	63	55	+3	NW	2	6	*	75	54	—
	Biarritz	30.23	67	NE	4	6	30.17	−.07	56	54	−3	SE	3	6	2	72	52	—
PENINSULA.	Corunna	*	*	*	*	*	30.02	−.14	63	56	+2	NE	2	6	1	66	48	—
	Lisbon	30.05	66	NNW	5	6	30.07	−.03	64	57	+2	NNW	4	6	5	75	61	—

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Sunday, 6th Sept, 1891.

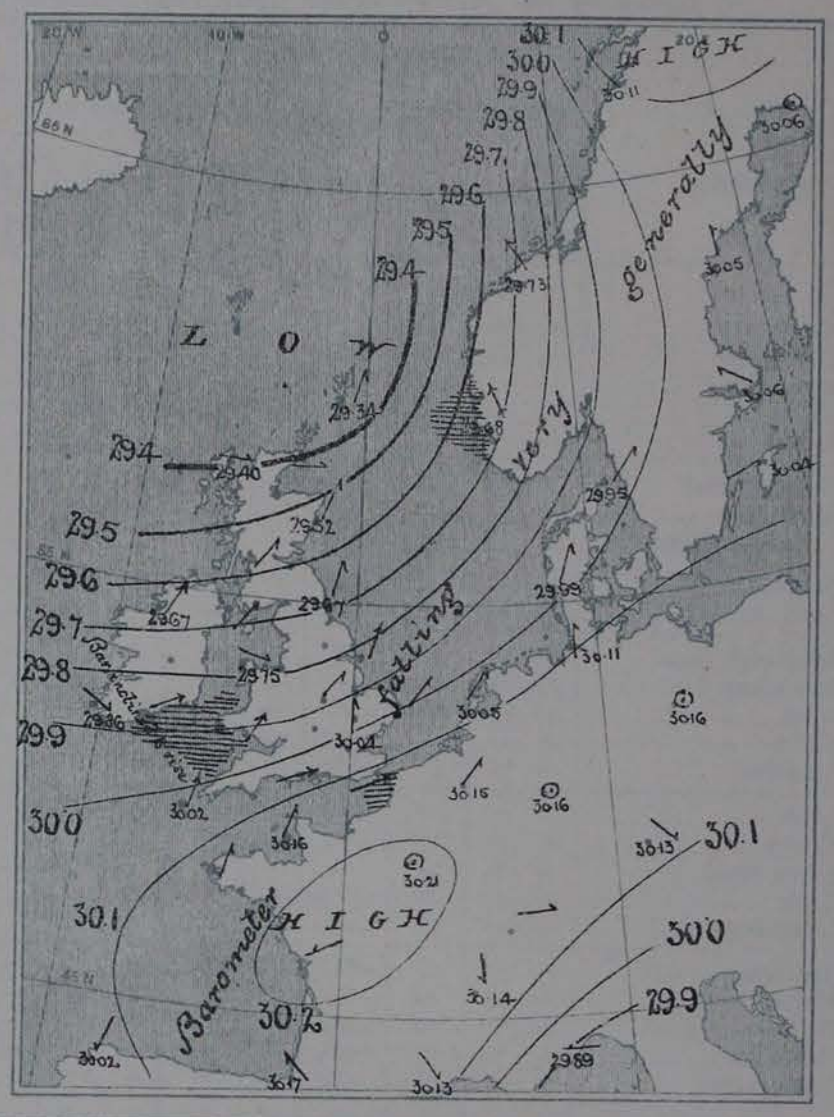
BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

WIND—Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

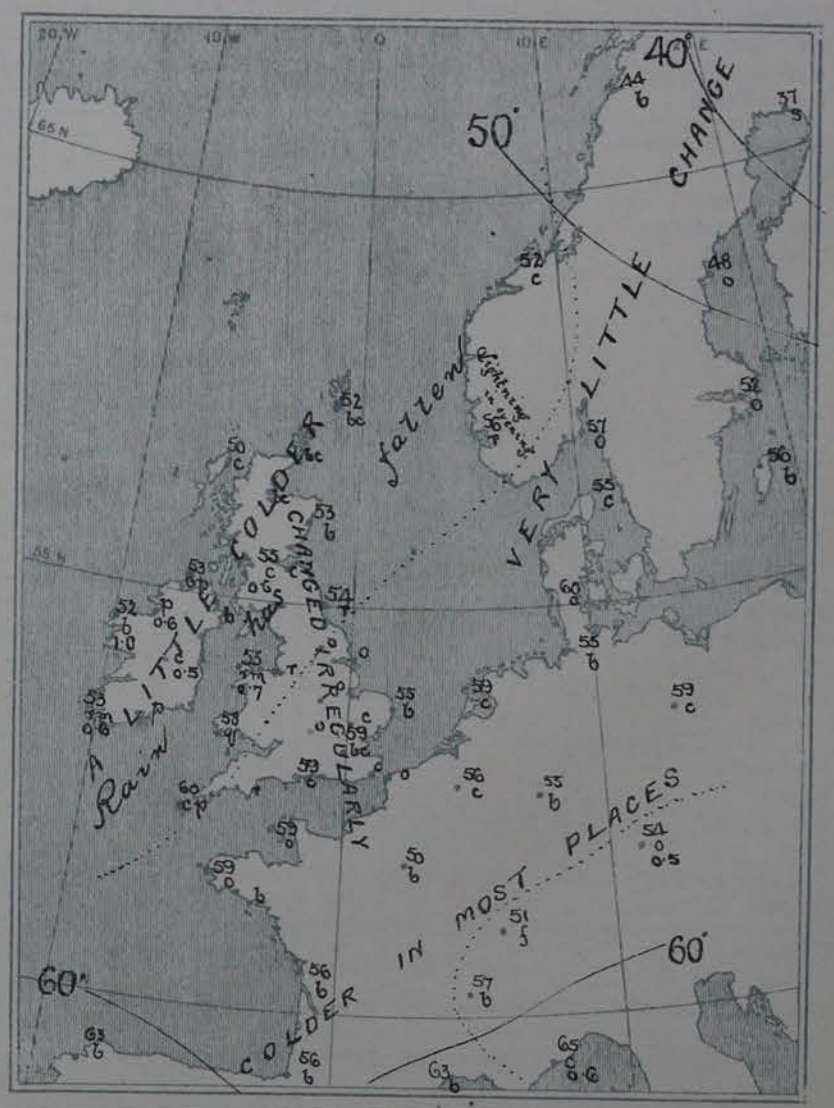
STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·826
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·905
Holyhead	29·925
Liverpool	29·935
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·948
Pembroke	29·948
Scilly	29·971
Prawle Point	29·978
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·985
Yarmouth	29·948

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

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

WEATHER is shown by Letters of the Beaufort Scale.

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



MEANS OF TEMPERATURE IN SHADE AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	RAINFALL (Inches).
Sumburgh Head	55·0	46·1	50·8	49·4	3·52
Stornoway	56·3	45·8	51·4	50·4	1·10
Wick	57·7	45·5	51·9	50·6	2·59
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·37
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·59
Spurn Head	60·4	52·7	55·5	53·8	2·62
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·9	52·2	2·75
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·55
Donaghadee	59·5	49·2	53·5	52·3	3·01
Holyhead	60·7	52·6	55·7	53·5	3·25
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·6	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·16
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	65·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·2 ins. and upwards over central France, but high 30·10 ins. and upwards in a large anticyclone extending northeastwards from Spain across France, Germany and the Baltic to Finland & the N. of Sweden.
Lowest 29·4 ins. and less in a depression lying off the north of Scotland.
Gradients moderate to rather steep over our Islands and the North Sea, but slight elsewhere.
Barometer falling at all but the Swedish stations, – most in the North of England.

TEMPERATURE

Highest 65° at Nice, 64° at Lisbon, 63° at Perpignan, and 60° at Fanö, York, Scilly and Dungeness.
Lowest 37° at Haparanda, 44° at Bodö, 48° at Hernösand, 50° at Stornoway and Paris, and 51° at Belfort.
The highest maxima registered over our Islands yesterday were 68° at Cambridge, and 67° in London.

WIND

SW$^{\frac{3}{4}}$ over the greater part of our Islands, and also over Denmark & the Netherlands; strong in place on our coasts S. & SW.
S$^{\frac{3}{4}}$ or SE$^{\frac{3}{4}}$ in Scandinavia, with a gale at Skudesnaes.
Light from the E^{wd} in the west of France, but NW$^{\frac{3}{4}}$ over the southern parts of that country.

WEATHER

Rainy over the north of England, and also in the Hebrides; showery in Ireland and the southwest of England.
Fine in most other parts of western Europe, but cloudy in Scandinavia, with rain at Skudesnaes & snow at Haparanda.
Heavy rain has fallen at our western and northwestern stations, the largest amounts being 1·0 in. at Belmullet, and 0·7 in. at Holyhead.

SEA

Rough at the mouth of the St George's Channel and rather rough at Cape Gris Nez, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 7TH SEPTEMBER 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED	6 SCOTLAND WEST	NONE ISSUED
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.57	57	53	NNE	4	c	3
Sumburgh Head	29.76	53	57	S	2	r	3
Stornoway	29.66	56	50	W	4	o	4
Aberdeen	29.62	56	53	S	2	of	2
Shields	29.57	59	53	SSW	4	c	2
Ardrossan	29.52	58	57	SSW	3	r	2
Malin Head ...							
Mullaghmore ...	29.85	57	55	SW	5	rq	4
Belmullet	29.82	56	53	WSW	7	or	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	30.04	58	56	SW	5	og	?
Valencia	30.03	59	57	SSW	6	ofm	6
Scilly	30.22	62	56	SSW	4	bc	3
Jersey	30.27	62	56	W	3	bc	3
Dungeness	30.16	63	58	WSW	5	c	3
London	30.15	66	58	SW	3	bc	*
Yarmouth	30.10	65	59	WNW	3	b	2
Rochefort	?	69	62	NW	3	b	?

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The Continental Information will be issued in Tuesday's Report

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.

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

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 Monday 7th September. 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	30.35	44	SW	4	6c	29.91	−.15	42	42	+5	E	2	7	*	46	38	—
	Hernösand ...	29.90	52	S	6	7	29.61	−.44	54	53	+6	SSE	10	7	*	59	39	0.67
	Stockholm ...	29.57	56	SE	2	c	29.72	−.34	53	53	+6	SSE	6	0	*	63	43	—
	Wisby	29.57	55	SSE	4	6	29.84	−.20	60	56	+4	SSW	6	c	*	61	52	—
	Bodö	29.84	44	NNE	2	6	30.01	−.10	50	49	+6	ESE	6	c	3	?	37	—
	Christiansund	29.41	55	SW	3	7	29.35	−.34	52	50	0	WSW	2	6	2	57	50	0.20
	Skudesnaes ...	29.54	54	SSW	4	c	29.44	−.34	52	49	−4	S	8	7	5	57	50	1.38
	Christiania Fjord (Færder)	?29.67	58	S	5	7	29.57	−.40	53	49	−4	SSW	4	6	5	59	52	1.50
	Skagen (The Scaw)	29.72	59	SSW	5	0	29.60	−.35	50	49	−5	WNW	1	?6	1	59	48	0.28
	Fanö	29.75	59	SW	6	c	29.74	−.25	57	54	−3	W	5	c	*	63	54	0.16
BRITISH ISLANDS.	Sumburgh Head	29.34	51	WSW	3	c	29.35	+.05	51	49	−1	NW	6	c	6	54	48	0.18
	Stornoway ...	29.46	54	NW	4	c	29.75	+.35	54	50	+4	NW	4	6	4	58	42	0.08
	Wick	29.45	49	NW	1	6c	29.60	+.15	51	50	−1	NW	7	7	4	59	46	0.06
	Nairn	29.45	52	SW	2	c	29.70	+.24	53	49	+1	WNW	4	c	3	56	45	0.11
	Aberdeen ...	29.49	52	SSW	2	c	29.76	+.24	53	47	+2	W	4	6q	3	62	46	0.02
	Leith	29.54	55	SW	3	6c	29.84	+.25	54	50	−1	WSW	3	6c	*	62	48	0.04
	Shields	29.63	56	SSW	4	6c	29.85	+.18	52	49	−2	W	3	6	2	62	46	—
	Spurn Head ...	29.78	52	WSW	4	c8	29.93	+.09	54	51	−2	W	4	6m	3	64	50	0.09
	York	29.75	57	SW	4	6	29.54	+.13	54	50	−6	W	3	6	*	61	44	0.04
	Loughborough	29.79	59	SW	4	7	29.76	+.08	52	50	−4	W	2	6mw	*	65	45	0.10
	Ardrossan ...	29.61	55	W	5	c8	29.88	+.27	55	53	+2	W	3	6	2	60	51	0.10
	Malin Head ...	29.65	53	W	6	c8	29.85	+.32	54	52	+1	WNW	3	c	2	56	49	0.10
	Mullaghmore ...	29.79	55	WNW	6	c	29.94	+.27	53	51	+1	SSW	4	6	3	58	48	0.01
	Belmullet ...	29.82	56	WNW	4	6	29.93	+.28	54	52	+2	SSE	1	6	*	58	46	0.08
	Donaghadee ...	29.71	57	WSW	4	6c	29.95	+.26	52	50	0	W	3	6	1	63	51	0.01
	Liverpool (Bidston)	29.75	55	W	5	6	29.95	+.21	54	50	−2	WSW	2	6	3	59	49	0.30
	Holyhead ...	29.75	58	WSW	3	6	29.97	+.22	60	56	+7	WNW	1	6w	2	60	48	0.14
	Parsonstown ...	29.85	56	SW	1	6	29.97	+.20	46	45	−6	Z	0	6	*	61	38	—
	Valencia	29.93	58	NW	1	6m	29.90	+.04	54	52	+1	Z	0	cw	1	62	48	0.01
	Roche's Point ...	29.92	57	NW	3	6	29.93	+.10	54	52	−2	ESE	4	6c	4	61	48	0.06
	Pembroke (St. Ann's Hd.)	29.89	55	WSW	3	c	29.99	+.10	49	45	−7	NE	2	f	3	59	47	0.18
	Scilly	29.57	60	SW	5	c	29.95	−.07	58	58	−1	S	3	fm	4	63	56	0.12
	Prawle Point ...	29.99	57	WSW	5	6c	30.61	−.05	57	57	0	W	1	0qm	1	61	55	0.22
	Jersey (St. Aubin's)	30.08	62	W	3	6	30.06	−.10	66	56	+1	WSW	3	6c	3	66	55	—
	Hurst Castle ...	30.00	59	WSW	6	c	30.02	−.06	57	57	−2	ENE	1	0m	2	62	56	0.04
	Dungeness ...	29.98	60	W	5	c	30.00	−.07	60	58	0	W	4	c	3	65	58	—
	London	29.94	60	SSW	2	c	30.01	−.03	56	54	−3	WNW	1	6w	*	66	52	0.11
	Oxford	29.92	57	SSW	3	7	30.02	+.02	50	50	−6	Z	0	6fw	*	62	45	0.05
	Cambridge ...	29.88	60	SW	2	0	30.01	+.03	53	51	−3	SW	1	6	*	65	45	0.04
	Yarmouth ...	29.87	62	WSW	5	6c	29.97	−.01	55	53	0	WNW	2	6w	2	64	48	0.02
GERMANY & HOLLAND.	Cuxhaven ...	30.01	58	SW	2	6	29.88	−.23	57	56	+2	WSW	3	c	*	64	55	0.06
	Berlin	30.07	60	SSW	3	6	29.99	−.17	56	54	−3	SSW	3	6	*	68	50	—
	Wiesbaden ...	*	*	*	*	*	30.09	−.07	53	51	−2	Z	0	6	*	68	48	—
	Munich	30.14	53	SW	2	7	30.13	+.02	55	53	+1	NW	3	c	*	55	50	0.35
	The Helder ...	29.93	59	SW	4	c	29.96	−.09	58	58	−1	WNW	2	6	3	63	57	0.04
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.04	−.11	55	53	−1	SSW	2	c	*	64	51	—
	Cape Gris Nez	30.01	59	WSW	5	c	29.99	−.14	59	59	0	W	5	f6	5	61	57	—
	Paris	30.08	62	W	1	c	30.10	−.11	48	48	−2	S	1	*	*	71	45	—
	Brest	?	63	WSW	2	c	?	?	59	59	0	SW	2	6c	3	68	57	—
	Lorient	30.12	63	W	1	6c	30.07	−.11	58	54	+4	SW	2	c	2	66	54	—
	Rochefort ...	?	66	NW	4	6	?	?	56	55	0	ENE	3	6	*	75	52	—
	Belfort	?	65	W	3	6c	?	?	?	?	?	W	3	6c	*	71	41	—
	Lyons	30.07	63	N	1	6	30.08	−.06	55	57	−2	S	1	6	*	70	50	—
	Nice	29.92	66	E	1	6	30.00	+.11	64	61	−1	ESE	1	c	3	77	59	—
	Perpignan ...	30.01	70	NW	2	6	30.04	−.09	56	53	−7	SW	1	c	*	68	51	—
	Biarritz	30.05	68	NNE	5	6	30.05	−.12	62	59	+6	SSW	2	6	2	77	?	—
PENINSULA.	Corunna	*	*	*	*	*	30.12	+.05	59	55	−5	NNW	4	6	2	75	57	—
	Lisbon	30.11	63	NNW	5	6												

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Monday, 7th Sept., 1891.

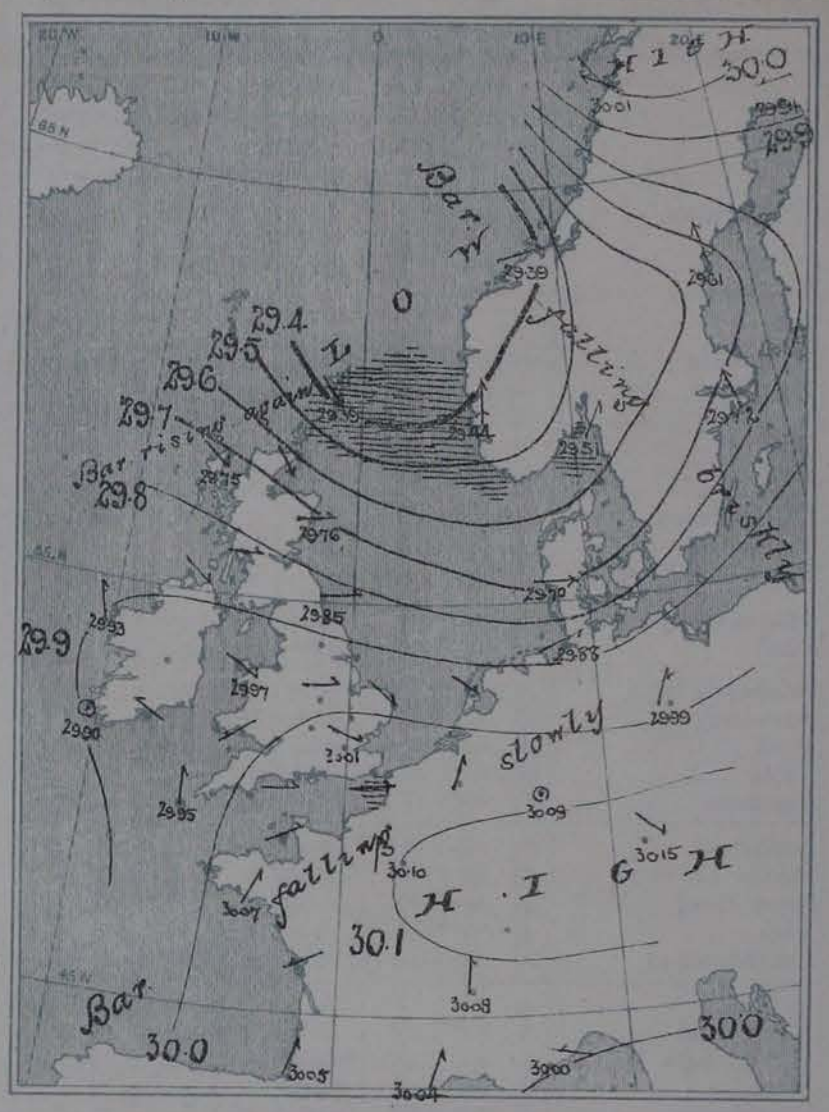
BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

BAROMETER—Isobars are drawn for each tenth of an inch.
Changes since previous morning are stated in words.

WIND—Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
= dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

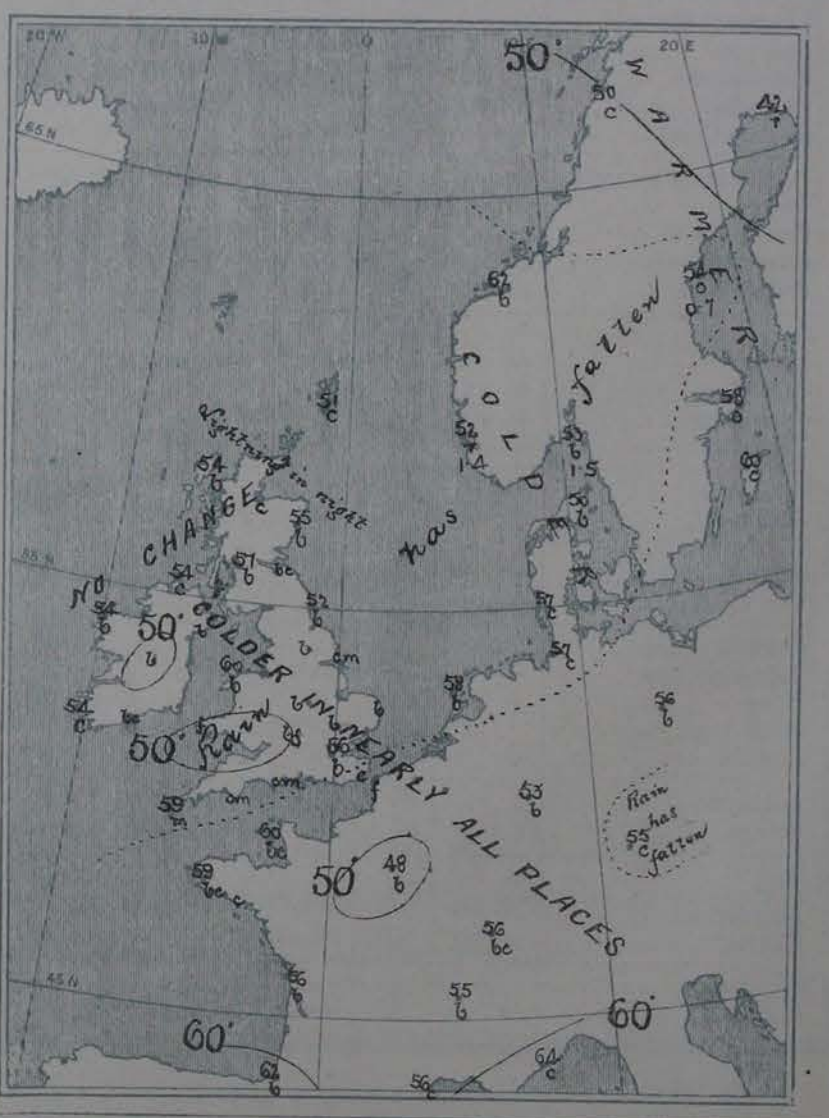
STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·947
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·958
Jersey	29·988
Hurst Castle	29·991
Dover	29·979
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948

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

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

WEATHER is shewn by Letters of the Beaufort Scale.

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



MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	At 8 a.m. Dry	Wet	RAINFALL. inches.
Sumburgh Head	55·0	46·1	50·8	49·1	3·92
Stornoway	56·3	45·8	51·4	50·1	1·10
Wick	57·7	45·5	51·9	50·0	2·33
Nairn	59·2	46·5	51·3	48·9	1·78
Aberdeen	59·2	46·7	52·1	49·7	2·57
Leith	61·9	47·5	54·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·0	52·2	2·59
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·25
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·46
Valencia	61·8	51·5	56·5	54·2	1·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·56
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins and upwards, in an anticyclone lying over South Germany and the east of France, and also in another system lying over Portugal; 30·0 ins and upwards in the north of Scandinavia.

Lowest, 29·4 ins and less, in a large depression lying off the west of Norway.

Gradients rather steep over the west of Norway and moderate over the North Sea and north of Scotland, but slight elsewhere.

Barometer rising over all the more northern parts of the United Kingdom and also in the east and south of France, but falling elsewhere, most in Scandinavia.

TEMPERATURE

Highest, 64° at Nice, 62° at Biarritz, 60° at Holyhead, Jersey, and Dungeness, and 59° at Scilly and Lisbon.

Lowest, 42° at Haparanda, 46° at Parsonstown, 48° at Paris, 49° at Pembroke, and 50° at Boro, Sligo, and Oxford.

The highest maxima registered over our Islands yesterday were 66° in London and at Jersey, and 65° at Loughborough, Dungeness and Cambridge.

WIND

Strong from the NW^ly in the extreme north of Scotland, moderate from the W^ly in the northern and eastern parts of our Island generally, as well as in Denmark and North Germany.

Strong to a gale from the S^ly or SE^ly at the Scandinavian stations.

Light from the S^ly in France and from the SE^ly in the southwest of our Islands.

WEATHER

Fine over the greater part of Western Europe, but dull (with mist or fog) in the southeast of England.

Rainy at several of the Scandinavian stations and also at Wick.

Since yesterday morning slight rain has fallen in nearly all parts of the United Kingdom, and heavy rain in the south of Norway.

Lightning was seen at Wick last night.

SEA

Moderate to smooth generally, but rough at Lerwick Ilds, and rather rough off the south of Norway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new disturbance which is approaching our southwest coasts is apparently of no great depth, but as it moves northeastwards it will probably occasion rain in many parts of Ireland and England.

FORECASTS

For the 24 hours ending at NOON on 8th SEPT. 1891.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW^ly winds, strong, to W^ly, moderate; showery to fair.
1 SCOTLAND EAST	W^ly winds, light; fair generally.
2 ENGLAND N.E.	Same as No 5.
3 ENGLAND EAST	
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	Wind backing to the S^ly; fine at first, unsettled later, with some rain.
6 SCOTLAND WEST	Same as No 1.
7 ENGLAND N.W.	SW^ly to SE^ly winds, light; fine to unsettled and some rain.
8 ENGLAND S.W.	S^ly winds, freshening; dull, some rain.
9 IRELAND NORTH	Same as No 7.
10 IRELAND SOUTH	E^ly and SE^ly winds, moderate or fresh; fair to unsettled and some rain.
WARNINGS	The SOUTH CONE was lowered last evening in districts 5 and 7 to 10.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. D.	THER. W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.55	55	55	S	8	7	7
Sumburgh Head							
Stornoway	29.40	55	53	W	3	c	3
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.53	55	52	W	6	6	3
Mullaghmore ..							
Belmullet	29.76	58	53	WNW	4	o	*

	BAR.	THER. D.	THER. W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.78	59	54	WSW	3	6	3
Valencia							
Scilly							
Jersey	30.12	65	55	SW	4	6c	3
Dungeness	30.02	64	62	W	5	c	3
London							*
Yarmouth							
Rochefort	?	72	61	NNW	3	6	?

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine and bright over southwestern, southern, and eastern Europe, as well as in several parts of France and Germany; cloudy more or less over the United Kingdom, the North Sea and Scandinavia, with showers in several places; rain at Breslau. Heavy rain in Norway later, and small quantities over the British Islands generally, the Netherlands and some parts of Germany, snow at Haparande.

Temperature not changing much over western Europe, but low in the north. Morning readings still ranging from 70° to 77° on the Mediterranean coasts and at Constantinople, but much lower elsewhere and irregular. Below 60° over the whole of our Islands and the greater part of France and Germany, and as low as 33° at Ulealoy, 37° at Archangel and Haparande, 38° at Kuopio. Rising later to between 60° and 66° over the greater part of the United Kingdom to nearly 70° over Germany, to between 70° and 80° over France, and to 82° at Perpignan.

Wind very variable and light, over the Continent as a whole; W. to S., and fresh, over the British Islands, North Sea and Scandinavia. N. and light, over Finland and northern Russia. Becoming strong from W. in many parts of our Islands later and strong from S. in some parts of Norway.

Barometer Highest 30.2 ins. and more to 30.0 ins. over Spain, France, Germany, the Baltic and Sweden. Lowest 29.4 ins. in a large depression, the centre of which lay off the north of Scotland; 29.8 ins. and less over the northeast of Russia; 29.9 ins. and less over the Black Sea and in a small depression near Nice. The depression off our extreme northern coasts moving eastwards later and barometer rising over Ireland.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 30TH AUG. TO 5TH SEPT 1891.

During the early part of last week the weather remained cool and unsettled over the whole of the United Kingdom, with a general gale on the 1st September, and with considerable falls of rain in all the more western and northern districts. Towards the close of the period, however, a gradual improvement took place over the eastern, central and southern parts of the country, and although showers were still reported locally the weather was upon the whole fine and bright. In the west and north the conditions showed very little amelioration, rain being frequent, and at times heavy, with thunderstorms over Scotland and the north of England.

At the commencement of the week an anticyclone extended from the eastward over a considerable portion of the United Kingdom and fair weather prevailed in most districts. The high pressure system soon gave way, however, and a series of depressions began to skirt our western and northern coasts, the most important of all being a large and deep disturbance which passed across the west and north of Scotland on the 1st Sept. The influence of this system was felt over the whole of northwest Europe, and strong gales from SW. or S. were experienced in all parts of our Islands, as well as in most of the neighbouring countries.

After the 3rd Sept. an anticyclone again extended from France over our southern districts where a decided improvement in the weather took place. In Ireland and Scotland, however, the conditions were still affected by depressions which continued to skirt our extreme northwest coasts and on the 5th strong winds or gales from the SW. were again experienced in the west and northwest. Temperature was somewhat higher than on previous weeks but the thermometer did not reach 70° in any part of the United Kingdom, and at our western and northern stations it was frequently below 60°.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Tuesday 8th September 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom.: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.74	46	SE	4	r	29.67	−.24	46	46	+4	E	2	r	*	46	39	1.26
	Hernösand ...	29.47	49	SW	2	b	29.56	−.05	49	48	−5	W	2	bc	*	57	45	0.16
	Stockholm ...	29.64	[illegible]	S	2	b	29.58	−.14	53	49	−5	WNW	4	c	*	61	50	0.32
	Wisby	29.74	55	SW	4	b	29.65	−.15	56	51	−4	W	S	c	*	63	52	0.04
	Bodö	29.62	48	ESE	6	r	29.60	−.41	49	45	−1	E	2	b	1	50	39	—
	Christiansund	29.48	57	WSW	2	bc	29.75	+.36	53	50	+1	SW	1	r	3	57	48	—
	Skudesnaes ...	29.70	54	WNW	7	o	29.57	+.53	52	50	0	NW	5	o	4	57	50	0.12
	Christiania Fjord (Færder)	29.49	56	SW	7	c	29.74	+.23	55	51	+2	W	5	b	5	57	52	—
	Skagen (The Scaw)	29.62	55	WNW	7	bc	29.80	+.20	56	53	+6	WNW	6	bc	4	59	48	0.04
	Fanö	29.53	55	W	6	c	30.04	+.30	56	52	−1	WNW	5	c	*	57	54	—
BRITISH ISLANDS.	Sumburgh Head	29.72	51	NW	4	o	30.02	+.63	49	47	−2	S	0	c	3	54	46	0.01
	Stornoway ...	29.51	54	W	2	b	29.52	+.17	51	50	−3	SE	3	o	3	57	47	—
	Wick	29.51	52	NW	5	o	30.03	+.40	52	50	+1	S	3	o	1	58	45	—
	Nairn	29.50	55	WSW	2	c	29.56	+.26	49	47	−4	S	1	c	1	63	42	—
	Aberdeen ...	29.52	55	WNW	2	bc	30.07	+.31	50	48	−5	WNW	1	c m w	2	63	45	—
	Leith	29.56	60	WSW	2	b	30.01	+.17	51	49	−3	E	2	r m	*	65	41	—
	Shields	29.56	61	WSW	2	bc	30.03	+.18	52	51	0	S	0	o m	2	62	46	—
	Spurn Head ...	29.58	62	S	1	bc	30.06	+.13	53	53	+5	SSW	2	c m	2	64	53	—
	York	29.55	55	WNW	1	b	30.05	+.11	54	54	0	ESE	1	f	*	66	48	0.03
	Loughborough	29.58	63	S	0	bc	30.05	+.09	60	58	+8	SSW	2	o	*	70	52	—
	Ardrossan ...	29.56	57	S	2	b	29.95	+.07	50	49	−7	ENE	3	r f	2	63	47	0.34
	Malin Head ...	29.51	54	ESE	3	bc	29.84	−.05	56	55	+2	SSE	2	o d p	1	57	51	0.15
	Mullaghmore ...	29.58	55	ESE	4	c	29.84	−.10	62	60	+5	S	3	c	2	62	53	0.14
	Belmullet ...	29.85	55	E	3	o	29.81	−.12	55	53	+5	S	2	o	*	62	53	0.06
	Donaghadee ...	29.56	55	SSW	2	bc	29.95	+.04	58	58	+6	SW	3	o	1	61	52	0.32
	Liverpool (Bidston)	29.55	56	NE	1	c	30.02	+.03	60	58	+6	SE	2	o	2	61	54	0.20
	Holyhead ...	29.57	57	ENE	2	c	29.57	0.0	58	58	−2	S	3	r m g	2	61	55	0.25
	Parsonstown ...	29.87	58	E	0	o	29.88	−.09	60	56	+14	2	0	o	*	64	45	0.11
	Valencia	29.77	56	SE	4	r m	29.86	−.04	55	58	+5	SSE	4	r m	4	60	52	0.77
	Roche's Point ...	29.85	55	ESE	5	r	29.90	−.03	57	57	+3	ESE	2	f	4	58	53	0.40
	Pembroke (St. Ann's Hd.)	29.95	58	S	4	o	30.02	+.03	58	58	+5	S	4	o m	4	59	45	0.21
	Scilly	29.95	55	S	4	r	29.95	+.04	55	55	0	S	4	f	4	62	57	0.26
	Prawle Point ...	30.04	58	SW	2	c	30.11	+.10	58	57	+1	SSW	2	b w	1	61	53	—
	Jersey (St. Aubin's)	30.07	63	S	3	bc	30.13	+.07	63	55	+3	SSE	3	b w	3	68	51	—
	Hurst Castle ...	30.06	60	SW	3	c m	30.12	+.10	63	61	+6	SSW	2	bc	2	63	57	—
	Dungeness ...	30.06	60	WSW	2	bc	30.14	+.14	62	60	+2	WSW	2	bc	2	63	58	0.14
	London	30.05	62	S	2	og	30.13	+.12	61	57	+5	SW	1	b w	*	67	52	—
	Oxford	30.05	60	SW	2	o	30.12	+.10	58	56	+8	S	2	bc	*	66	49	—
	Cambridge ...	30.04	60	S	1	c	30.15	+.18	61	57	+8	S	1	b	*	70	52	—
	Yarmouth ...	30.03	61	S	2	b	30.11	+.14	60	57	+5	SW	2	b m	2	63	53	—
GERMANY & HOLLAND.	Cuxhaven ...	30.01	57	WNW	3	c	30.11	+.23	57	55	0	WNW	2	c	*	71	55	—
	Berlin	30.04	57	W	2	b	30.17	+.18	54	52	−2	W	3	b	*	70	48	—
	Wiesbaden ...	*	*	*	*	*	30.20	+.11	57	55	+4	2	0	b	*	72	52	—
	Munich	30.17	55	2	0	b	30.25	+.10	52	51	−3	SE	1	b	*	63	45	—
	The Helder ...	30.16	58	W	1	b	30.15	+.23	53	51	−5	SSW	1	bc	1	61	46	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.15	+.15	60	58	+5	2	0	bc	*	63	53	0.04
	Cape Gris Nez	30.05	57	WSW	3	c	30.12	+.13	57	55	−2	SW	1	c	1	61	54	0.08
	Paris	30.10	60	NE	1	b	30.15	+.07	51	50	+3	2	0	b	*	72	46	—
	Brest	?	61	S	3	c	?	?	57	56	0	SSE	3	b	3	64	55	—
	Lorient	30.09	61	S	1	bc	30.11	+.04	57	57	+1	E	1	c	3	66	55	—
	Rochefort ...	?	65	NW	3	b	?	?	60	58	+4	ENE	2	b	*	77	54	—
	Belfort	?30.11	61	W	2	bc	?30.17	?	54	48	?	W	3	bc	*	71	40	—
	Lyons	30.08	66	N	1	b	30.18	+.10	58	56	+3	NNE	1	b	*	73	52	—
	Nice	30.04	66	SE	3	o	30.07	+.07	66	60	+2	E	2	b	1	75	57	—
	Perpignan ...	30.03	68	SE	2	b	30.13	+.05	61	56	+5	W	2	b	*	80	52	—
	Biarritz	30.05	65	NE	3	b	30.10	+.05	62	59	0	SSE	1	b	2	75	57	—
PENINSULA.	Corunna ... ... †	*	*	*	*	*	30.05	+.07	63	60	−1	E	4	b	1	64	52	—
	Lisbon	30.11	64	NW	4	b	30.12	0.0	55	53	−4	NNE	3	f	2	73	55	—

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Tuesday 8th Sept. 1891.

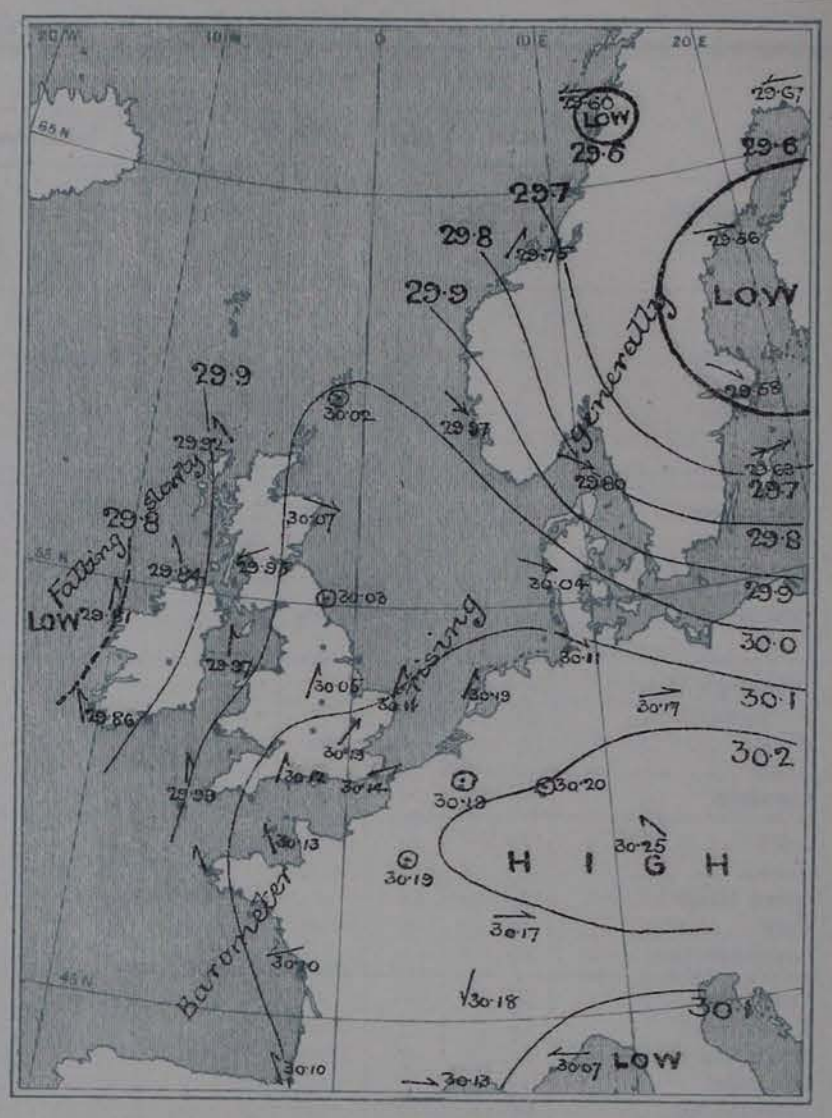
BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

BAROMETER—Isobars are drawn for each tenth of an inch.
Changes since previous morning are stated in words.

WIND—Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

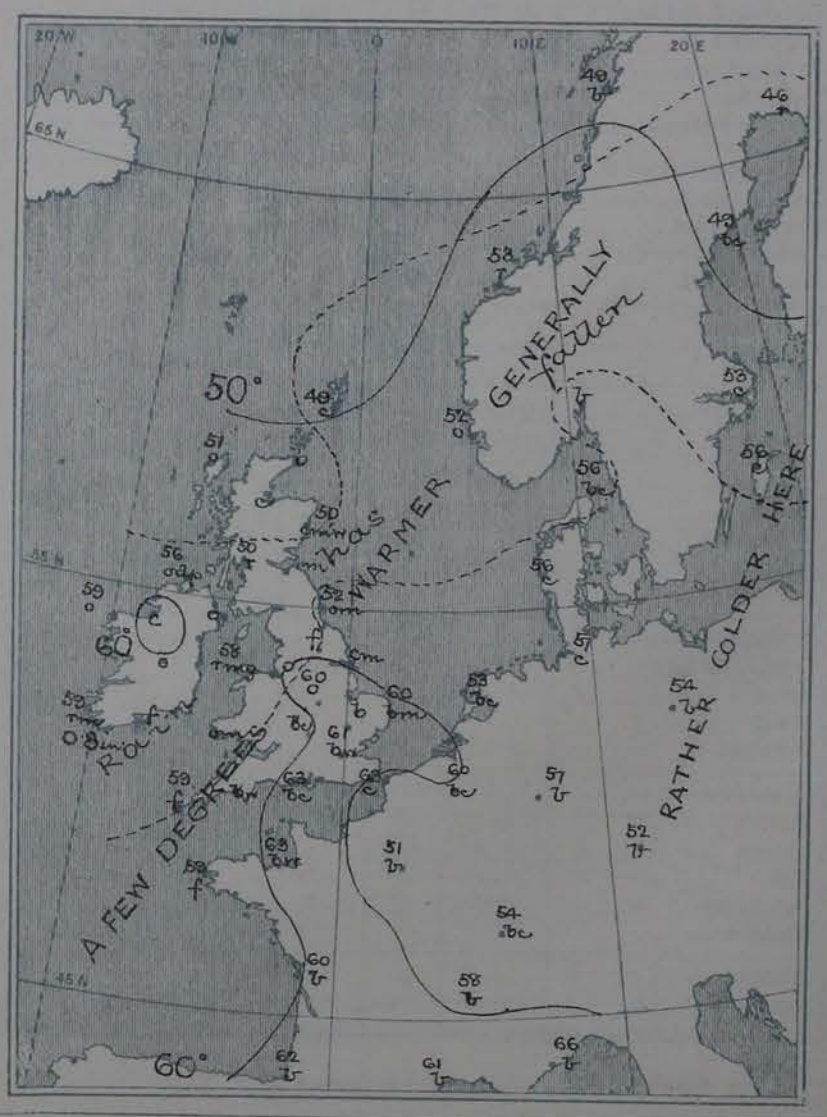
STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·998
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948

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

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

WEATHER is shown by Letters of the Beaufort Scale.

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



MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	at 8 a.m. Wet.	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	4·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·37
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·0	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·0	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·2 ins. and more to 30·1 ins. over Germany, France and the south of England; 30·0 ins. and more in a "ridge" lying over the remainder of England and the North Sea.
Lowest 29·6 ins. and less in a depression over the Gulf of Bothnia and Sweden; about 29·8 ins. off the west of Ireland.
Gradients slight over France, Germany, the North Sea and England, moderate elsewhere.
Barometer rising generally, but unsteadily in the far north.

TEMPERATURE

Highest 66° at Nice, 63° at Jersey & Hurst Castle, 62 at Dungeness, 61° in London.
Lowest 46° at Haparanda, ? 49° at Bodö, Hernösand, Sumburgh Head and Nairn.
The daily maxima recorded over England yesterday ranged from 64° to 70°.

WIND

Fresh W. to NW. on the eastern shores of the North Sea, S. over the greater part of the British Islands, SE. over the Bay of Biscay, very light and variable in France and Germany.

WEATHER

Dull and rainy on our western coasts, fine over England (but hazy in places); clear and bright in France and Germany. There has been considerable rain over Scandinavia, and our own northern and western districts.

SEA

Moderate in the southwest and on the eastern side of the North Sea, smooth generally elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

During the past 24 hours the barometer has risen at all the Continental stations, as well as over the North Sea, and Great Britain, and this change appears to be spreading westwards to Ireland. The S. wind has fallen light at the English stations, accompanied by a rise of temperature and fine appearance of sky, and the improvement is spreading westward.

FORECASTS

For the 24 hours ending at NOON on 9TH SEPTEMBER 1891.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE. and S. winds, fresh; some rain.
1 SCOTLAND EAST 2 ENGLAND N.E.	S. airs and light breezes; fair as a whole, warm.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	S. breezes, light; fine, warm.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W.	S. winds, moderate to fresh; showery.
9 IRELAND NORTH 10 IRELAND SOUTH	S. winds, fresh; rain at times
WARNINGS	None Issued

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.46	57	53	W	8	c	5
Sumburgh Head	29.64	53	52	NW	4	c	6
Stornoway	29.86	54	52	W	2	o	3
Aberdeen	29.85	62	52	W	5	bc	3
Shields	29.94	60	52	W	3	bc	2
Ardrossan	29.94	62	58	W	2	b	1
Malin Head ...	29.93	58	55	NW	2	b	2
Mullaghmore ...	29.93	60	55	NE	2	bc v	3
Belmullet	29.90	62	55	ESE	2	b	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	30.00	61	54	SW	1	b	2
Valencia	29.83	60	58	SSE	4	rq	4
Scilly	29.97	61	55	S	4	o	4
Jersey	30.09	68	60	SW	3	b	3
Dungeness	30.05	60	60	WSW	4	o	3
London	30.03	65	60	SSW	2	o	*
Yarmouth	30.03	63	59	NE	2	b	2
Rochefort	?	74	64	NW	3	b	?

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather fine over the greater part of Europe but misty or foggy in the southwest of England, and rainy at several of the Scandinavian stations, as well as at Wick, Cracow and Vienna. Rain extending later from the southwestward over all the more western parts of the United Kingdom the fall being heavy (0·8 inch) at Valencia Island.

Temperature highest 83° at Sfax, 78° at Leghorn and La Calle, and 77° at Brindisi, Tunis and Malta; above 70° on the shores of the Mediterranean and Adriatic generally. Lowest 40° at Archangel and St Petersburg, 42° at Haparanda, 43° at Moscow, and 44° at Ulealong; below 50° on the northern parts of Scandinavia and Russia generally and also over central Ireland; very little above that point over central England. Rising during day to between 65° and 70° at most of the English stations; exceeding 70° in France and Germany and reaching 80° at Perpignan.

Wind strong from the NW^ly in the extreme north of Scotland; light or moderate from the W^ly in most other parts of the United Kingdom, but S^ly or SE^ly on our extreme southwest coasts. Light from the S^ly in France, and from the SW^ly over the Netherlands and North Germany; strong to a gale from between S. and SE. in Scandinavia. Light from the NW^ly in Austria and Italy; variable in Spain, SW^ly in Algeria. Subsequently shifting to the E^ly or SE^ly in the northwest of our Islands and backing to the S^ly in the southeast of England.

Barometer Highest 30·2 ins. and upwards over the central parts of northern Russia; 30·1 ins. and upwards over South Germany and the east of France, and also over the southwest of Spain. Lowest 29.4 ins. and less in a well marked and rather deep depression lying off the west of Norway, 29.9 ins. and less in another disturbance to the southwest of our Islands and also in a large shallow area lying over the Black Sea and the neighbouring countries. Northern depression subsequently moving eastwards over Scandinavia; disturbance to southwest of our Islands advancing nearer our shores, and barometer falling at most of our western stations.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Wednesday 9th. September. 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Wet.	Difference from 8 a.m. yesterday.	Wind. Direc.	Force. (0 to 12.)	Weather.	Sea. (0 to 6.)	PAST 24 HOURS. Shade Temp. Max.	Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.85	46	NE	2	c	30.01	+.34	45	44	-1	NE	2	o	*	48	45	0.04
	Hernösand ...	29.89	52	E	0	o	30.13	+.35	52	49	+3	NW	2	b	*	61	39	—
	Stockholm ...	29.91	54	W	4	c	30.11	+.33	53	50	0	NNW	4	b	*	63	48	—
	Wisby														*			
	Bodö	29.52	48	SW	2	c	30.11	+.31	46	43	-3	W	2	o	1	50	39	—
	Christiansund	30.11	51	NW	3	o	30.18	+.43	52	50	-1	SSW	1	c	1	54	48	0.20
	Skudesnaes ...	30.15	50	N	2	b	30.22	+.25	53	51	+1	SSE	3	o	3	55	45	—
	Christiania Fjord (Færder)	29.99	60	E	0	b	30.22	+.48	54	49	-1	NNE	3	b	2	64	54	—
	Skagen (The Scaw)	30.06	55	WNW	1	b	30.19	+.35	55	55	-1	WSW	1	b	o	61	50	—
	Fanö	30.19	54	WSW	1	b	30.25	+.21	56	55	0	SE	2	b	*	61	52	—
BRITISH ISLANDS.	Sumburgh Head	30.07	49	SE	1	bc	30.01	-.01	53	53	+4	S	1	f	4	53	48	0.01
	Stornoway ...	29.93	55	S	1	o	29.90	-.02	56	56	+5	S	1	o	2	56	49	0.01
	Wick	30.01	56	S	4	o	30.00	-.03	55	54	+3	S	3	o	1	58	50	—
	Nairn	29.97	62	E	f	b	29.97	+.01	62	56	+13	SSW	1	c	1	67	49	—
	Aberdeen ...	30.05	53	SSE	3	o	30.07	0.0	57	56	+7	S	2	omdf	2	58	49	—
	Leith	30.03	57	E	o	o	30.06	+.05	55	52	+4	E	1	o	*	64	51	0.26
	Shields	30.05	66	SE	1	o	30.09	+.06	58	56	+6	S	2	m	2	61	50	0.13
	Spurn Head ...	30.08	65	E	o	b	30.13	+.11	58	55	-1	S	3	bw	2	72	53	—
	York	30.07	68	S	1	b	30.13	+.10	55	53	+1	ESE	1	b	*	70	48	—
	Loughborough	30.07	72	SSW	1	bc	30.15	+.10	54	53	-6	ESE	1	cmw	*	75	49	—
	Ardrossan ...	30.01	57	ENE	1	o	30.02	+.07	58	58	+8	S	3	omf	2	58	49	0.12
	Malin Head ...	29.91	63	SE	2	o	29.84	0.0	60	59	+4	SSE	4	ogf	1	65	55	0.13
	Mullaghmore ...	29.90	65	SE	2	o	29.84	0.0	63	61	+1	SSE	5	ofg	4	67	61	0.06
	Belmullet ...	29.87	62	SSE	2	o	29.78	-.03	62	61	+3	S	2	o	*	66	58	0.12
	Donaghadee ...	30.01	59	SSW	3	o	30.01	+.02	58	58	0	SSW	3	r	1	63	57	0.05
	Liverpool (Bidston)	30.06	66	SSE	1	o	30.10	+.08	60	56	0	SE	3	bc	3	65	55	—
	Holyhead ...	30.03	59	SSW	4	og	30.05	+.08	65	61	+7	S	4	cf	3	65	58	0.11
	Parsonstown ...	29.93	63	SE	1	o	29.92	+.04	60	59	0	SE	1	fp	*	68	59	0.15
	Valencia	29.87	60	S	5	o	29.84	-.02	59	58	0	SSE	7	omf	6	62	53	1.08
	Roche's Point ...	29.95	57	S	3	f	29.95	+.05	56	56	-1	SSW	4	r	4	59	55	0.70
	Pembroke (St. Ann's Hd.)	30.05	58	S	4	o	30.06	+.04	60	58	+2	SE	4	bc	4	60	57	0.05
	Scilly	30.02	59	SSE	4	o	30.02	+.03	60	59	+1	SE	5	bc	4	62	57	—
	Prawle Point ...	30.13	57	E	1	bc	30.12	+.01	63	62	+5	E	2	b	1	64	56	—
	Jersey (St. Aubin's)	30.13	70	S	1	b	30.15	+.02	68	62	+5	NNE	3	bwm	3	72	58	—
	Hurst Castle ...	30.16	61	SSW	2	b	30.17	+.05	64	62	+1	SSE	1	bm	1	68	58	—
	Dungeness ...	30.16	63	SW	3	bc	30.20	+.06	65	61	+3	S	2	b	1	68	59	—
	London	30.14	65	SSW	1	b	30.15	+.06	63	59	+2	E	0	bfw	*	75	50	—
	Oxford	30.16	59	SSW	1	b	30.18	+.06	55	53	-3	E	0	bwm	*	71	45	—
	Cambridge ...	30.15	61	E	0	b	30.20	+.01	60	59	-1	S	1	b	*	75	48	—
	Yarmouth ...	30.13	62	S	2	b	30.21	+.10	61	60	+1	S	1	bw	2	67	54	—
GERMANY & HOLLAND.	Cuxhaven ...	30.21	58	WNW	1	b	30.26	+.15	58	56	+1	S	1	o	*	63	57	—
	Berlin	30.24	60	NW	2	c	30.34	+.17	56	55	+2	WNW	2	b	*	64	52	—
	Wiesbaden ...	*	*	*	*	*	30.30	+.10	57	54	0	E	0	b	*	72	50	—
	Munich	30.30	56	E	0	b	30.35	+.10	54	52	+2	E	1	b	*	66	49	—
	The Helder ...	30.23	57	SW	1	b	30.28	+.05	57	56	+4	S	1	b	1	64	54	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.24	+.05	64	60	+4	SSE	1	b	*	73	56	—
	Cape Gris Nez	30.15	66	E	0	b	30.18	+.06	64	58	+7	S	2	b	0	72	55	—
	Paris	30.15	65	E	1	b	30.23	+.04	52	51	+1	NNW	1	b	*	75	47	—
	Brest		63	S	2	b	?	?	58	57	-1	SSE	3	b	3	68	55	—
	Lorient	30.13	66	E	0	b	30.10	-.01	59	57	0	E	2	b	3	70	55	—
	Rochefort ...	?30.10	70	NNW	3	b	?30.08	?	61	58	+1	E	4	b	*	75	57	—
	Belfort	30.17	61	E	3	bc	?	?	52	46	-2	N	4	b	*	73	40	—
	Lyons	30.16	69	N	1	b	30.23	+.05	60	55	+2	N	1	b	*	76	52	—
	Nice	30.11	67	E	0	b	30.16	+.05	65	60	+3	E	2	b	1	81	63	—
	Perpignan ...	30.12	68	E	2	b	30.18	+.05	59	55	-2	E	0	bc	*	82	52	—
	Biarritz	30.05	77	E	2	b	30.03	-.07	69	61	+7	S	3	b	1	84	62	—
PENINSULA.	Corunna	*	*	*	*	*												
	Lisbon	30.06	70	WNW	3	b	30.05	-.07	61	55	+6	NNW	1	b	2	79	?	—

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Wednesday, 9th Sept., 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

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

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

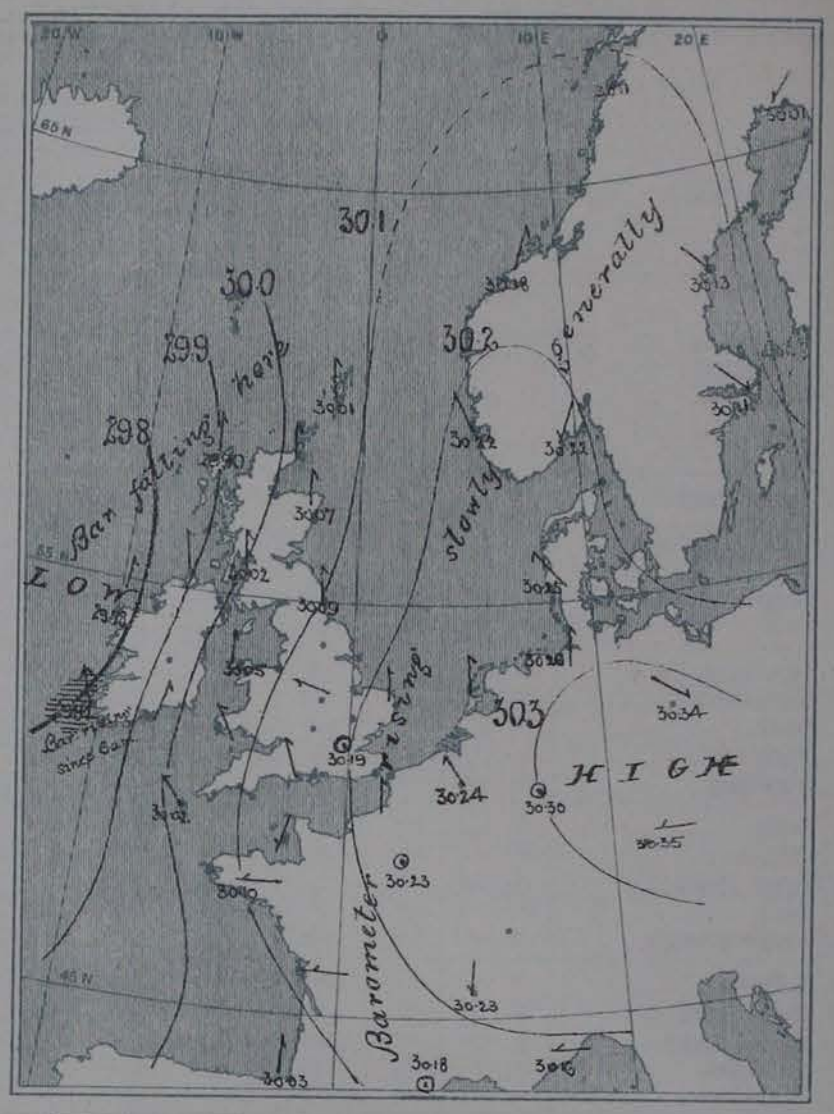
SEA DISTURBANCE—Where considerable, is shewn thus:

= Rough. = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·998
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948



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

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

WEATHER is shown by Letters of the Beaufort Scale.

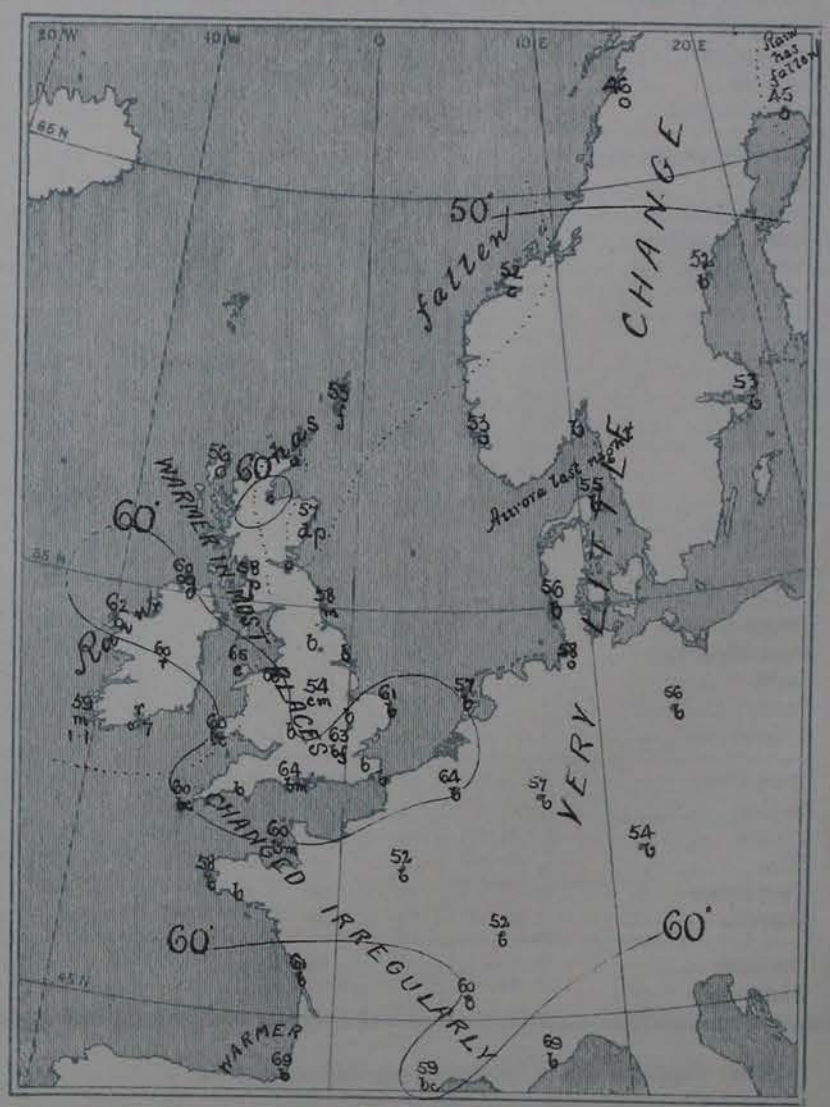
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	4·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·62
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·0	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins. and more to 30·1 ins. in an anticyclone and ridge which cover France, Germany, Denmark, Scandinavia, and the North Sea.
Lowest, 29·8 ins. and less, off the west of Ireland; 30·1 ins. and less over Finland.
Gradients moderate over our western districts, slight elsewhere.
Barometer falling a little in the northwest, rising elsewhere — most at Valencia.

TEMPERATURE

Highest, 69° at Nice and Biarritz, 65° at Dungeness, 63° in London and at Mullaghmore, 62° (locally) at Nairn, and at Belmullet.
Lowest, 45° at Haparanda, 46° at Roscoff, 53° at Lerwick, 54° at Loughborough, 55° at York and Oxford.
The daily maxima recorded over England ranged from 70° to 75°; those in the south of France exceeded 80°.

WIND

S. over the United Kingdom as a whole — fresh to strong at the western stations, light in the east.
In the Channel it is light from SE. and in the west of France from E. Over Sweden light NW. breezes prevail.

WEATHER

Dull and rainy at the western stations (at Valencia Island the fall exceeded an inch), fine and bright in the east, with heavy dews and slight fogs over most parts of England.
In France, Germany, and Denmark it is exceedingly fine.

SEA

Rough off the west coast of Ireland, moderate on our southwestern coasts and at Lerwick, very smooth in the south and east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A further increase of pressure has taken place over Germany, France, the North Sea, and Scandinavia, which regions are covered by a well marked area of high pressure. In Ireland, however, the barometer has been unsteady as depressions continue to move northwards outside our extreme western stations, and spread somewhat over Ireland as they do so. The depression in the west does not seem likely to spread eastwards over Britain.

FORECASTS

For the 24 hours ending at NOON on 10th SEPT 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S. winds, moderate or fresh; some rain.	6 SCOTLAND WEST 7 ENGLAND N.W.	S. and SW. winds; unsettled; rainy to fair.
1 SCOTLAND EAST 2 ENGLAND N.E.	S. winds, light; fair as a whole.	8 ENGLAND S.W.	S. winds, moderate; fair as a whole.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SE. or S. breezes, light; fine, warm.	9 IRELAND NORTH 10 IRELAND SOUTH	SW. winds, fresh to moderate; showery.
		WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	30·10	55	50	NW	4	0	4
Sumburgh Head	30·08	50	48	SE	1	0	3
Stornoway	29·51	55	53	SE	2	0	2
Aberdeen	30·06	54	52	SSE	3	0	3
Shields	30·05	57	56	SE	1	0	2
Ardrossan	29·98	57	57	ENE	1	0	1
Malin Head ...	29·90	63	61	S	2	0	0
Mullaghmore ...	29·89	67	61	SSE	2	0 v	2
Belmullet	29·89	66	62	SSW	3	c	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	30·03	59	57	SSW	4	dmq	3
Valencia	29·98	61	60	SSE	5	o	5
Scilly	30·02	61	60	SSE	4	m	4
Jersey	30·16	68	62	S	2	b	2
Dungeness	30·17	68	62	SW	3	bc	1
London	30·14	72	63	SSW	3	bc	*
Yarmouth	30·14	64	60	S	4	b	4
Rochefort	30·13	77	68	NNW	3	b	?

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather fine over by far the greater part of Europe, but dull and rainy at several of our own western and northern stations, as well as over northern and central Russia. Fog reported on our southwest coasts. No important change occurring during day but heavy rain falling in the south of Ireland (1·1 inches at Valencia Island and 0·7 inch at Rocks Point).

Temperature highest 79° at Spezia and Malta, 78° at Brindisi, and 77° at Barcelona; above 70° at most of the Mediterranean and Adriatic stations and above 60° in the southeast of England. Lowest (1) 40° at Moscow, 41° at Archangel, 46° at Haparanda and Ulealborg, and 47° at St Petersburg; (2) 49° at Sumburgh Head, Nairn, 50° at Aberdeen and Ardrossan, and 51° at Stornoway. Rising during day to between 70° and 75° in many parts of England, and to 80° and upwards over the south of France.

Wind light or moderate from the S. and over the greater part of the United Kingdom, but variable on our northeast coasts. Moderate to strong from the W. over Denmark, the Baltic and the south of Norway; light from the E. over the northern parts of Scandinavia and Russia. Variable over central Europe, but E. or NE. over Spain and Italy; SE. or S. in Algeria. No important change occurring later.

Barometer highest 30·1 ins. and upwards in a large anticyclone extending from Spain and the western parts of the Mediterranean across France and the southeast of England to the Netherlands and Germany, and also in another system lying over Central Russia. Lowest 29·6 ins. and less in a depression lying over the southern parts of the Gulf of Bothnia, and also in another system over the northwest of Norway; 29·8 ins. and less in a disturbance lying to the west of Ireland. Depression in west subsequently travelling away over Atlantic and barometer rising in all parts of our Islands.

Remarks on the Weather for the 24 hours ending at 8 am on 6th September 1891.

Weather in morning fine and bright over nearly the whole of the Continent, excepting the regions lying to the northward of the Baltic; fine also over the Channel, England and the North Sea, but dull in Ireland, Scotland, and various parts of Scandinavia and Finland, with rain at many stations. Much rain at our western stations later, and considerable quantities in the southern parts of France, northern Italy, Switzerland and central Europe, and showers in several parts of N. Europe.

Temperature not undergoing much change. Morning readings still exceeding 70° at most Mediterranean stations (80° to 82° over Tunis and at Malta) but below 60° over all the northwestern and northern countries and as low as 37° at Haparanda, 41° at Archangel and Ulealborg, 45° at Bodö, 46° at Thorshavn, 50° at Aberdeen, and 52° at Nairn. Daily maxima 60° to 68° over Great Britain and Germany, above 70° over France, above 80° over Austria, Italy and Spain, and exceeding 100° over central Algeria. Falling over Finland towards evening.

Wind very variable, and light over eastern, central, western and southern Europe, NE. over the Peninsula; W. to S. over the British Islands, the North Sea, the southern half of Scandinavia and the Baltic; and blowing a fresh to strong breeze from S. in the western parts of Ireland and Scotland, E. over Lapland and Finmark, N. over the north of Sweden. Veering W. in Scotland later and becoming N. over Finland.

Barometer. Highest (1) 30·2 ins. and more over the Bay of Biscay, Spain, France, Germany and the south of England; (2) 30·3 ins. and more to 30·1 ins. over Russia and Hungary; exceeding 29·9 ins. over Lapland. Lowest (1) 29·7 ins. and less off our extreme northwestern coasts; (2) 29·8 ins. and less in a depression over Finland and the Gulf of Bothnia. Northern depression moving eastwards to north of Russia later, new (secondary) disturbances approaching our western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Thursday 10th September. 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall
SCANDINAVIA.	Haparanda ...	30.06	46	SW	0	bc	29.86	-.15	55	49	+5	SW	0	0	*	52	41	—
	Hernösand ...	30.15	45	SW	0	b	29.81	-.24	44	46	-4	SW	0	0	*	54	41	—
	Stockholm ...	30.23	53	SW	0	b	30.12	+.01	56	51	+1	W	2	c	*	63	48	—
	Wisby	30.15	52	S	4	b	30.15		51	55		WSW	4	b	*	61	50	—
	Bodö	30.04	45	E	2	p	29.95	-.26	45	44	-1	E	2	p	1	46	43	.24
	Christiansund	30.03	55	ESE	1	0	29.79	-.25	55	56	+5	SW	5	p	3	57	54	.55
	Skudesnaes ...	30.17	57	SSE	6	p	30.10	-.12	57	55	+5	SSE	5	0	4	?	53	—
	Christiania Fjord (Færder)	30.15	58	SW	3	b	30.10	-.12	59	55	+5	SW	5	c	4	61	57	—
	Skagen (The Scaw)	30.23	55	WSW	1	c	30.17	-.02	55	56	+2	WSW	1	m	0	61	54	—
	Fanö	30.28	54	W	0	b	30.26	+.01	66	?60	+4	SW	2	c	*	64	52	—
	Sumburgh Head	29.91	54	S	2	p	29.96	-.05	56	55	+3	SW	2	0	4	57	51	.24
	Stornoway ...	29.85	58	SW	4	0	29.87	+.07	58	57	+3	SW	3	0	3	59	53	.20
	Wick	29.91	56	W	3	0	30.02	+.02	61	56	+6	W	2	0	2	61	53	.05
	Nairn	29.92	63	W	2	c	[illegible]	+.03	61	55	-1	WSW	1	bc	1	71	56	.04
	Aberdeen ...	30.02	62	S	3	0m	30.06	-.01	66	59	+5	S	2	bcm	1	66	54	—
BRITISH ISLANDS.	Leith	30.03	61	SW	3	0	30.10	+.04	59	57	+4	S	0	bm	*	70	48	.01
	Shields	30.08	61	SE	1	c	30.11	+.02	59	57	+1	WSW	2	mw	2	72	54	—
	Spurn Head ...	30.13	62	SSE	3	c	30.17	0.0	62	59	+4	SSE	1	bmw	2	63	57	—
	York	30.14	72	SSE	1	b	30.17	+.02	57	53	+2	SSE	1	b	*	74	48	—
	Loughborough	30.11	72	SE	1	c	30.15	0.0	57	56	+3	SE	2	bmw	*	70	44	—
	Ardrossan ...	30.03	60	SW	2	0p	30.07	+.05	65	60	+7	ENE	1	bm	1	69	49	.02
	Malin Head ...	29.94	63	S	2	0g	29.98	+.14	62	57	+2	SSE	1	0	1	64	58	.02
	Mullaghmore ...	29.94	65	S	5	0g	[illegible]	+.15	55	56	-4	NE	2	bc	2	65	56	.00
	Belmullet ...	29.91	61	SSW	3	0g	[illegible]	+.15	57	58	-3	SSW	2	0	*	65	57	.05
	Donaghadee ...	30.02	60	SSW	3	0	[illegible]	+.08	61	58	+3	S	3	b	1	65	56	.01
	Liverpool (Bidston)	30.09	69	ESE	2	b	30.12	+.02	62	57	+2	SE	3	b	3	74	57	—
	Holyhead ...	30.06	65	SSW	1	bc	30.07	+.02	69	61	+4	SSE	1	bw	2	71	56	—
	Parsonstown ...	29.98	63	SSE	1	0	30.03	+.11	58	57	-2	S	0	b	*	64	53	.12
	Valencia	29.91	59	SE	4	mpg	30.02	+.18	59	58	0	SSE	3	0	4	61	58	.05
	Roche's Point ...	29.95	58	SSE	3	c	30.04	+.09	58	58	+2	SSE	2	f	4	60	55	.40
	Pembroke (St. Ann's Hd.)	30.06	62	SE	3	bc	30.07	+.01	62	60	+2	ESE	3	b	3	67	55	—
	Scilly	30.00	62	ESE	5	p	30.06	-.02	62	59	+2	ESE	3	bc	3	64	58	—
	Prawle Point ...	30.10	65	ESE	1	bc	30.07	-.03	67	65	+4	ENE	1	b	1	69	60	—
	Jersey (St. Aubin's)	30.09	73	ESE	1	bm	30.09	-.06	70	61	+2	E	1	bm	1	76	62	—
	Hurst Castle ...	30.14	63	ESE	2	bm	30.14	-.03	65	63	+1	E	3	bm	1	73	61	—
	Dungeness ...	30.17	66	S	2	b	30.15	-.05	67	61	+2	S	1	b	0	69	60	—
	London	30.17	68	SE	2	bc	30.18	-.01	63	60	0	SE	1	bfw	*	79	54	—
	Oxford	30.17	60	SE	1	b	30.18	0.0	56	54	+1	S	0	bmw	*	77	48	—
	Cambridge ...	30.17	68	S	1	c	30.20	0.0	64	62	+4	SE	1	b	*	70	57	—
	Yarmouth ...	30.21	63	S	1	b	30.21	0.0	63	62	+2	S	1	bw	2	66	55	—
GERMANY & HOLLAND.	Cuxhaven ...	30.32	60	ENE	1	b	30.31	+.05	58	57	0	S	1	b	*	67	56	—
	Berlin	30.35	62	S	0	b	30.37	+.03	57	53	+1	S	2	b	*	66	50	.04
	Wiesbaden ...	*	*	*	*	*	30.28	0.0	58	54	+2	S	0	b	*	73	52	—
	Munich	30.34	56	E	2	b	30.34	-.01	58	48	-4	NE	3	b	*	61	48	—
	The Helder ...	30.29	65	S	1	b	30.29	0.0	62	61	+5	SE	1	b	1	68	57	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*									*			
	Cape Gris Nez	30.16	69	E	1	b	30.17	-.01	64	58	0	E	1	b	1	73	61	—
	Paris	30.17	70	E	2	b	30.11	-.06	58	55	+6	ENE	2	b	*	70	52	—
	Brest	?	71	SE	2	b	?	?	65	58	+7	E	2	b	2	77	57	—
	Lorient	30.05	72	S	0	b	30.02	-.08	61	56	+2	E	4	b	4	75	59	—
	Rochefort ...	29.01	72	ESE	3	b	29.95	-.05	63	57	+2	SE	3	b	*	73	61	—
	Belfort	?	62	N	3	b	?	?	52	45	0	N	3	b	*	63	40	—
	Lyons	30.13	72	WNW	1	b	30.18	-.05	61	54	+1	SW	1	b	*	74	55	—
	Nice	30.14	71	SW	1	b	30.18	+.02	68	63	-1	E	1	b	0	81	66	—
	Perpignan ...	30.11	69	E	2	b	30.17	-.01	63	52	+4	NE	2	f	*	77	55	—
	Biarritz	29.98	72	ESE	2	b	29.95	-.01	65	59	-4	SSE	3	b	1	71	63	—
PENINSULA.	Corunna	*	*	*	*	*	29.89	-.16	64	63	+3	E	3	c	6	75	?	—
	Lisbon	29.95	66	SSW	[illegible]	b												

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Thursday, 10th Sept., 1891.

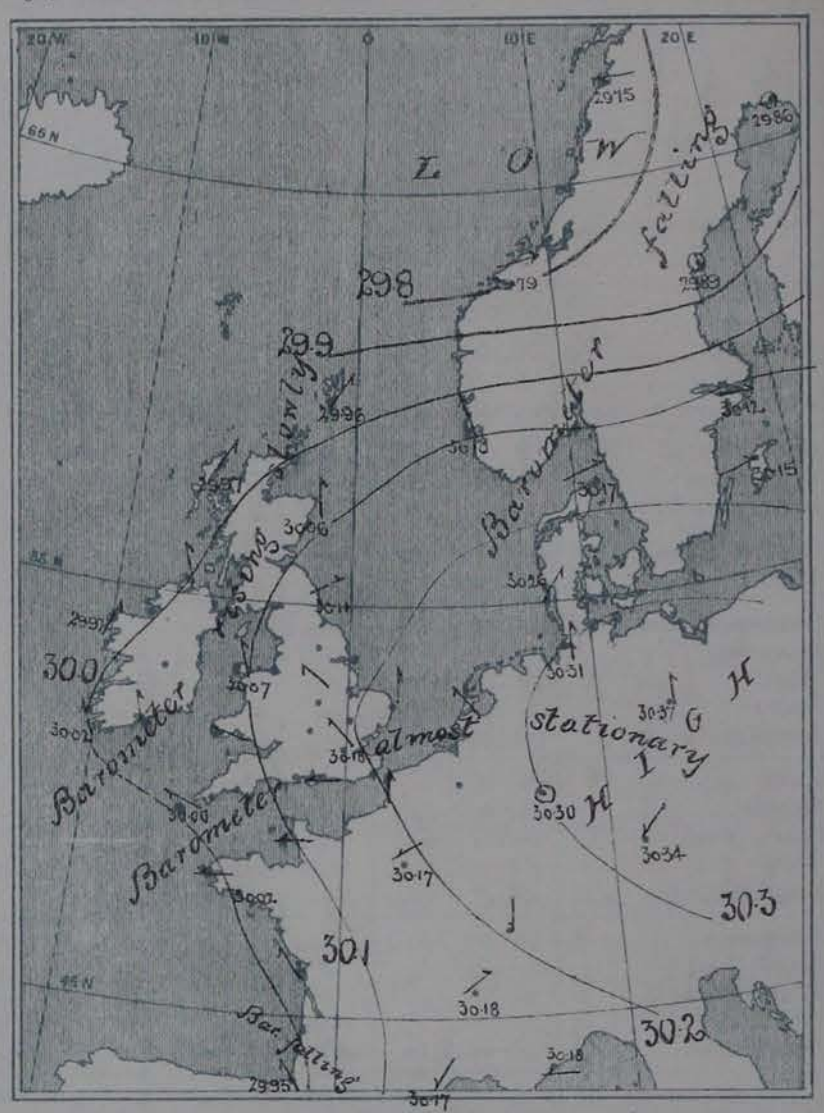
BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

WIND—Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·955
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·998
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948

TEMPERATURE, & WEATHER AT 8 A.M.

WITH RAINFALL IN PAST 24 HOURS.

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

WEATHER is shown by Letters of the Beaufort Scale

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	4·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·3	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·9	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	1·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: and more to 30·1 ins: over Germany, France, the North Sea and England.
Lowest, 29·8 ins: and less, over the northern half of Norway and adjacent parts of the Atlantic.
Gradients slight except over Scandinavia.
Barometer rising on all our coasts.

TEMPERATURE

Highest 70° at Jersey, 69° at Holyhead, 65° at Nice, 67° at Dumfries, 63° in London.
Lowest, (1) 45° at Bodö, 46° at Hernösand, 56° at Lerwick; (2) 50° at Munich, 52° at Belfort.
The daily maxima recorded over the inland parts of England yesterday were as high as 74° to 80°, but the night was cool.

WIND

Light from the E.ly and S.E.ly over the southern parts of our area, from S. on our northern coasts, and moderate from S. and S.W. over the southern half of Norway.
The strong breezes noticed in Ireland yesterday have subsided completely.

WEATHER

Rainy over the northern half of Norway, dull on our extreme north and west coasts, fine elsewhere, and in most places bright; morning fogs are reported, however, at several places, with heavy dews.
At Valencia Island a further fall of rain, amounting to nearly an inch was observed yesterday.

SEA

Moderate at Lerwick and on our southwest coasts, smooth elsewhere — very smooth in the Straits of Dover.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The high pressure area which has recently prevailed over the Continent, North Sea, and England has been spreading out in a westerly direction during the past 24 hours and now embraces the whole of the United Kingdom. The fine bright weather not only continues in this country but has spread to Ireland and Scotland, although in the west of Norway rain is falling. The appearance of the weather is now very settled as far as England is concerned, but Atlantic depressions may cause rain in the western parts of Ireland and England.

FORECASTS

For the 24 hours ending at NOON on 11th SEPT 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW.ly breezes, light; some showers.	6 SCOTLAND WEST	S.ly or SE.ly breezes, light; fine, warm.
1 SCOTLAND EAST 2 ENGLAND N.E.	S.ly and Variable airs; fine, warm.	7 ENGLAND N.W.	
		8 ENGLAND S.W.	E.ly and SE.ly breezes, moderate; fine.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SE.ly breezes, light; fine, very warm in day, cool at night, heavy dew.	9 IRELAND NORTH 10 IRELAND SOUTH	S.ly and SE.ly breezes, moderate; 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: D.	THER: W.	WIND D.	WIND F.	WEA	SEA
Skudesnaes ...	30·22	56	51	SSE	4	o	5
Sumburgh Head	29·95	57	56	S	2	c	4
Stornoway	29·86	57	57	S	3	p	3
Aberdeen	30·02	63	60	S	3	om	2
Shields	30·08	72	65	SSE	2	c	2
Ardrossan	30·02	60	57	W	3	[illegible]	2
Malin Head ...	29·86	62	60	S	5	o	2
Mullaghmore ...	29·91	65	61	SSE	5	ofp	2
Belmullet	29·88	61	60	SSW	3	o	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA	SEA
Holyhead	30·07	68	62	S	3	c	3
Valencia	29·91	60	60	SE	5	om	5
Scilly	30·01	64	60	ESE	4	bc	4
Jersey	30·13	78	66	SE	2	bm	2
Dungeness	30·20	69	62	S	2	b	3
London	30·10	77	67	SE	1	bc	*
Yarmouth	30·21	66	61	S	3	b	2
Rochefort	30·07	89	73	E	3	b	?

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

Weather fine and bright over England and the greater part of the Continent, but dull over Poland, Central Russia, and the west of Norway, showery in Scotland and rainy in Ireland. Further large quantities of rain measured in the south of Ireland during day, the largest of all being 1·0 in. at Valencia Island.

Temperature highest 81° at Sfax, 78° at Brindisi, and 77° at Barcelona and Malta, above 70° at many of the Adriatic and Mediterranean stations, and above 60° at several of the English and Irish stations, as well as over Central Scotland. Lowest 38° at Archangel, 43° at Ulealoy, 45° at Haparanda, and 46° at Bodo; below 50° in Poland and very little above that point over Central France. Rising during day to between 75° and 80° over the inland parts of England; exceeding 80° in France, and exceeding 90° over the Peninsula, and the southwest of France.

Wind S^h or SE^h over our Islands, the west of Norway, and the west and north of France, light or moderate in force generally but strong in the west and south of Ireland. Light from the NW^ly over Sweden, Russia, and the Baltic, as well as over southern Italy; W^h over Eastern Germany. Variable over the eastern and central part of France, moderate to fresh from the NE^ly over Algeria and Central Spain. Subsequently veering to the SW^ly over the northern parts of the United Kingdom.

Barometer highest 30·3 ins. and upwards, over Poland and the eastern and central part of Germany; 30·1 ins. and upwards, in a large anticyclone covering all but the most eastern and western parts of Europe. Lowest 29·8 ins. and less, in a depression lying to the westward of our Islands, and also in another system lying over Russia, with its centre to the eastward of St Petersburg. Western disturbance subsequently moving slowly northwards; no other change of importance taking place during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Friday 11th September 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Wet.	Difference from 8 a.m. yesterday.	Wind. Direc.	Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.95	46	S	0	0	29.65	-.17	46	43	-4	N	4	0	*	52	43	0.57
	Hernösand ...	29.63	58	S	2	6	29.84	-.05	50	45	+2	WNW	6	6	*	63	37	—
	Stockholm ...	29.87	61	W	4	6	29.70	-.22	57	53	+3	W	4	7	*	66	46	0.04
	Wisby	29.97	61	SW	4	6	29.93	-.22	60	57	+2	WSW	4	6	*	63	50	—
	Bodö	29.72	46	N	4	c	29.94	+.19	45	43	0	S	0	6	0	48	41	0.08
	Christiansund	29.90	55	W	7	7	29.95	+.16	53	51	-4	ENE	1	f	3	57	52	0.47
	Skudesnaes ...	30.04	58	S	4	c	29.96	-.14	58	56	0	W	4	0	4	63	55	—
	Christiania Fjord (Færder)	29.96	61	WSW	3	6	29.87	-.21	60	58	+1	WSW	3	bc	3	61	57	—
	Skagen (The Scaw)	30.05	60	W	3	6	29.95	-.22	60	58	+3	W	2	0	1	68	55	—
	Fanö	30.17	60	SSW	3	6	30.12	-.14	64	62	+4	WSW	4	6	*	66	57	—
BRITISH ISLANDS.	Sumburgh Head	29.95	54	S	0	7	30.00	+.04	53	53	-3	W	1	f	3	58	52	0.42
	Stornoway ...	29.95	57	W	2	0	30.04	+.07	54	53	-5	SW	2	0	3	57	52	0.12
	Wick	29.97	60	W	1	bc	?30.05	+.03	56	54	-5	W	3	bc	1	65	45	—
	Nairn	29.96	66	S	1	c	?30.10	+.10	60	57	-1	SW	1	6	0	71	52	—
	Aberdeen ...	29.99	66	SW	2	c	30.11	+.05	59	56	-7	ENE	1	bw	1	75	49	—
	Leith	30.03	70	S	3	c	30.12	+.02	59	57	0	S	0	bm	*	76	53	—
	Shields	30.05	74	SSW	3	bm	30.12	+.01	61	58	+2	W	1	cm	2	77	56	—
	Spurn Head ...	30.12	61	SSE	2	6	30.13	-.04	62	58	0	S	0	bw	1	65	56	—
	York	30.12	73	S	1	6	30.15	-.02	56	54	-1	S	0	6	*	80	49	—
	Loughborough	30.10	75	SE	1	6	30.14	-.01	57	50	-6	S	0	bmw	*	83	44	—
	Ardrossan ...	30.05	62	SW	1	6	30.11	+.04	64	61	-1	S	0	bmw	0	72	56	—
	Malin Head ...	30.04	60	WSW	2	6	30.07	+.09	61	59	-1	SSE	2	bcw	0	66	57	—
	Mullaghmore ...	30.07	60	W	2	c	30.08	+.09	63	61	+4	ENE	2	bcw	2	68	58	—
	Belmullet ...	30.09	59	WSW	2	0	30.04	+.07	61	60	+2	SSE	1	6	*	61	56	0.01
	Donaghadee ...	30.06	68	SSW	2	bc	30.13	+.04	58	57	-3	NE	2	6	0	70	57	—
	Liverpool (Bidston)	30.10	73	S	1	6	30.14	+.02	65	60	+3	E	1	bm	1	75	57	—
	Holyhead ...	30.09	65	SE	1	6	30.11	+.04	65	61	-4	S	0	bmw	0	75	55	—
	Parsonstown ...	30.07	69	S	0	6	30.09	+.06	56	55	-2	S	0	6	*	73	50	—
	Valencia	30.08	62	WSW	2	bv	30.08	+.03	62	58	+3	S	0	bw	1	65	51	0.01
	Roche's Point ...	30.09	58	SSE	2	f	30.11	+.07	54	53	-4	NNW	2	bc	3	62	51	0.01
	Pembroke (St. Ann's Hd.)	30.09	69	ESE	2	6	30.12	+.05	59	55	-3	E	1	6	1	70	56	—
	Scilly	30.06	62	E	4	6	30.02	+.02	62	59	0	E	4	bw	3	66	58	—
	Prawle Point ...	30.09	61	ENE	3	6	30.11	+.02	66	63	-1	ENE	2	6	1	70	58	—
	Jersey (St. Aubin's)	30.05	71	ENE	3	bm	30.10	+.01	69	63	-1	E	1	bmw	1	81	56	—
	Hurst Castle ...	30.11	65	E	2	bm	30.13	-.01	61	60	-4	ENE	2	bw	1	71	55	0.01
	Dungeness ...	30.11	65	ESE	4	6	30.13	-.02	62	59	-5	ENE	2	6	1	69	50	—
	London	30.14	69	SE	2	bm	30.14	-.04	58	56	-5	NW	1	bfw	*	82	50	—
	Oxford	30.14	63	S	0	6	30.16	-.02	58	56	+2	S	0	bw	*	78	48	—
	Cambridge ...	30.13	68	SE	1	6	30.15	-.05	60	58	-4	S	0	6	*	83	46	—
	Yarmouth ...	30.17	65	S	1	6	30.14	-.07	61	60	-2	S	0	bm	1	69	56	—
GERMANY & HOLLAND.	Cuxhaven ...	30.27	61	S	0	6	30.21	-.10	55	54	-3	SW	1	m	*	72	53	—
	Berlin	30.25	64	SE	2	6	30.25	-.12	54	52	-3	SE	2	6	*	70	50	—
	Wiesbaden ...	*	*	*	*	*	30.22	-.08	54	52	-5	S	0	6	*	72	48	—
	Munich	30.25	52	E	4	6	30.28	-.06	49	48	-1	NE	1	6	*	64	38	—
	The Helder ...	30.21	65	ESE	1	6	30.18	-.10	62	60	0	SSE	1	6	1	72	56	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.15	+.16	64	58	-1	SSW	1	6	*	77	54	—
	Cape Gris Nez	30.12	65	NE	1	m	30.11	-.06	61	59	-3	ENE	1	m	0	75	59	—
	Paris	30.09	69	ENE	2	6	30.14	-.03	55	54	-3	NE	1	m	*	83	50	—
	Brest	?	73	NE	1	6	?	?	63	62	-2	NE	1	6	2	88	61	—
	Lorient	30.01	73	SE	1	6	30.04	+.02	61	58	0	ENE	3	6	3	75	59	—
	Rochefort ...	29.97	80	E	3	6	30.04	+.05	63	59	0	ESE	4	6	*	91	59	—
	Belfort														*			
	Lyons	30.09	73	SSE	1	6	30.18	0.0	64	58	+3	ESE	1	6	*	83	58	—
	Nice	30.16	67	S	0	c	30.15	+.01	65	60	-3	NE	2	6	2	75	61	—
	Perpignan ...	30.09	69	WSW	3	6	30.13	-.04	66	65	+3	NE	2	0	*	77	59	—
	Biarritz	29.91	78	E	3	f	29.98	+.03	67	62	+2	SE	4	0	2	84	64	—
PENINSULA.	Corunna	*	65	ESE	3	*	29.85	-.04	63	62	-1	ENE	4	0	3	70	61	
	Lisbon	29.83																

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Friday, 11th Sept. 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

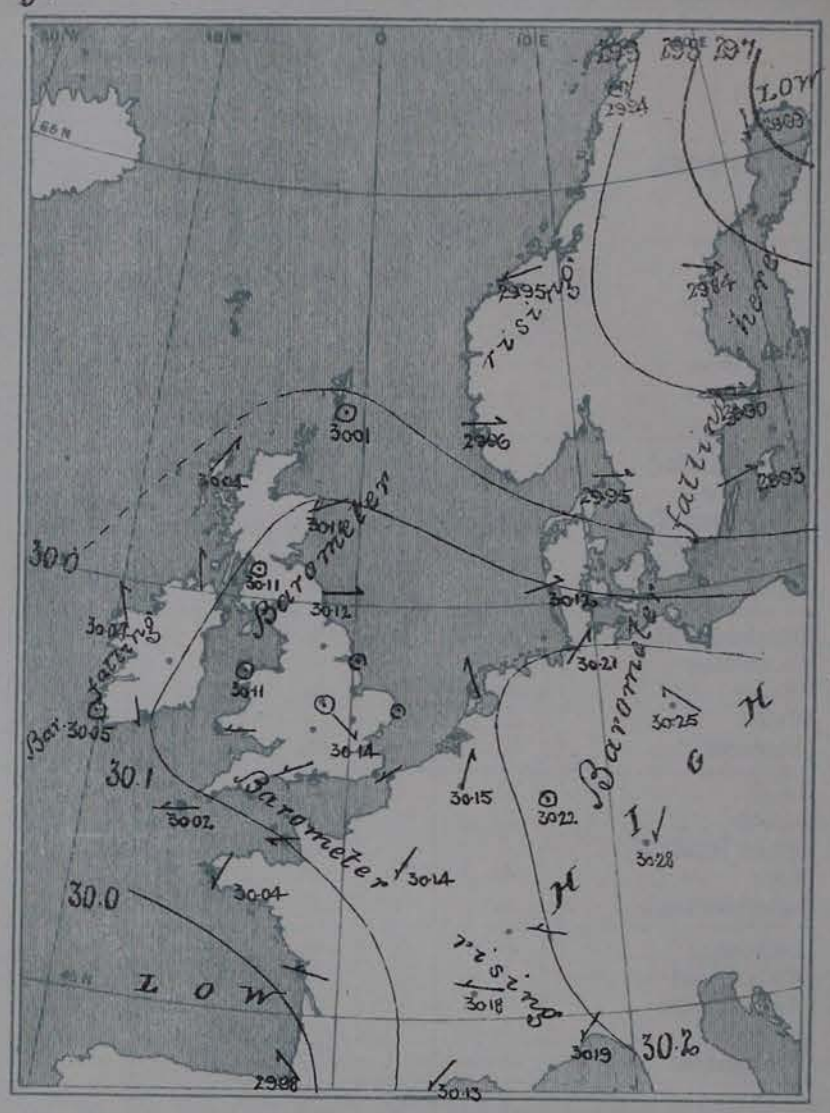
WIND—Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·993
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948



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

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

WEATHER is shown by Letters of the Beaufort Scale.

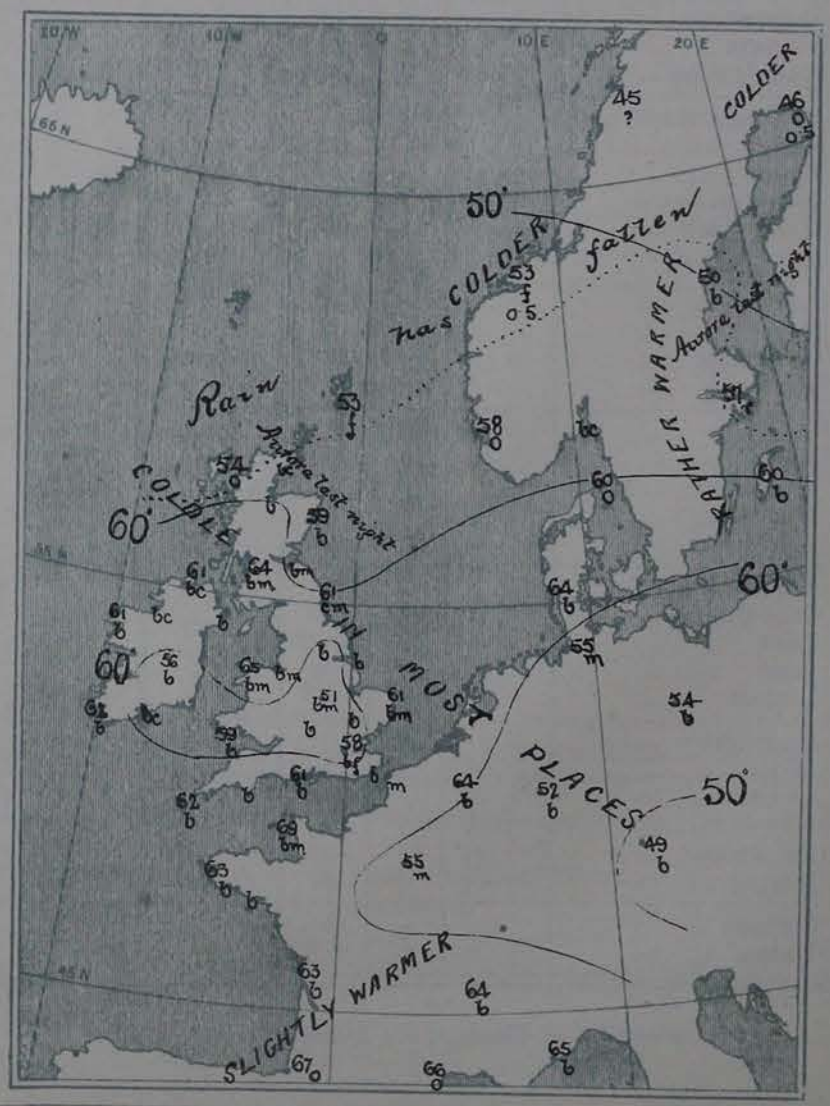
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	4·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·0	52·2	2·70
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 ins: and more over Germany & Switzerland, 30·1 ins: and more over France, the North Sea and England.

Lowest, 29·7 ins: and less, over Finland; 29·9 ins: and less over the southern part of the Spanish Peninsula.

Gradients slight. Barometer rising slightly in the north, falling slightly in southwest

TEMPERATURE

Highest, 69° at Jersey, 67° at Biarritz, 66° at Prawle Point, 65° at Nice.

Lowest, (1) 45° at Bodö, 46° at Haparanda, 50° at Hernösand; (2) 49° at Munich, 54° at Wiesbaden and Berlin; (3) 51° at Loughborough, 56° at York, 58° in London

It rose to between 75° and 83° over the inland parts of England yesterday, but the night was cool

WIND

N. to W. over Scandinavia, and strong in places; extremely variable and light over the British Isles, and calm in many localities. E., and light in the Channel and over the Bay of Biscay.

WEATHER

Dull and unsettled over Scandinavia, but apparently improving, fine elsewhere; but morning fogs are again prevalent in several places, with heavy dew. Considerable rain fell in the far north yesterday, and Aurora was seen at several stations at night

SEA

Smooth — very smooth in most places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Although the barometer has fallen somewhat in all parts of Central Europe, the readings are still highest in that region and over France, while a depression has advanced to Finland from the NWnd. Fine warm weather is general over the United Kingdom, France, and Germany, but rain fell in the Hebrides, Shetlands, and Norway yesterday.

No important change is indicated.

FORECASTS

For the 24 hours ending at NOON on 12th SEPT 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W. to S. airs and light breezes; fair	6 SCOTLAND WEST	Same as No 0.
1 SCOTLAND EAST	SW. and Variable airs; fine, warm.	7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	E. breezes, moderate or light; fine.
3 ENGLAND EAST	Variable airs and Calms inland, fine, warm; E. breezes in Channel, light, warm.	9 IRELAND NORTH	Varying SE. airs; fine generally.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	30·10	62	57	SSE	·4	6	4
Sumburgh Head	29·95	53	54	SW	1	0	4
Stornoway	29·95	58	57	Z	0	7	2
Aberdeen	30·02	61	62	SE	2	6	2
Shields	30·06	76	65	SSW	3	6m	2
Ardrossan	30·04	66	61	Z	0	c	0
Mulin Head ...	30·02	63	60	W	3	6c	1
Mullaghmore ...	30·04	67	62	S	2	c	2
Belmullet	30·05	60	59	S	2	0	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	30·09	74	65	SSW	2	6	2
Valencia	30·07	67	64	SSW	1	cv	1
Scilly	30·02	66	63	ESE	4	6c	3
Jersey	30·07	80	70	E	2	6m	2
Dungeness	30·14	69	63	ESE	4	6	2
London	30·14	79	65	SE	3	6	*
Yarmouth	30·21	66	63	S	1	6	2
Rochefort	29·99	88	71	SE	3	6	?

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine and bright in all but the extreme northwestern and northern parts of Europe, but hazy or foggy in several parts of the United Kingdom. Raining in the west of Norway. No important change occurring during day, but rain falling in the Shetlands and Hebrides.

Temperature highest 77° at Brindisi, Malta and La Calle, and 75° at Algiers, Tunis, and Aumale; above 70° at most of the Adriatic and Mediterranean stations, and just reaching that point at Jersey; exceeding 60° in many part of the United Kingdom. Lowest 35° at Archangel, 43° at St Petersburg and Moscow, 44° at Riga and 45° at Boro, Kuopio, and Helsingfors, below 50° at most of the Russian stations as well as in Eastern Germany and some parts of Austria. Rising during day to 80° and upwards over the inland parts of England and the greater part of France, the highest reading in our Islands being 83° at Cambridge.

Wind light from the SE^ly over England, Ireland, France, and the Netherlands, and from the SW^ly over Scotland, Denmark, north Germany, and the Baltic; fresh from the S^ly or SW^ly in the west and south of Norway. Light from the N^ly in Italy, and from the NE^ly or E^ly in Spain, the south of France and eastern Algeria; variable or S^ly in Central Algeria and Tunis. No important change occurring during day.

Barometer highest 30·4 ins. and upwards, over Silesia and the neighbouring parts of Poland and Austria; 30·1 ins. to 30·3 ins. in a large anticyclone covering the greater part of the Continent. Lowest 29·8 ins. and less, in a depression lying off the west of Norway, 29·9 ins. and less in another disturbance lying over and to the westward of Portugal. Former disturbance subsequently travelling eastwards across the northern part of Scandinavia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Saturday 12th September 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Wet.	Difference from 8 a.m. yesterday.	Wind. Direc.	Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	30·03	38	S	0	6	30·09	+·40	40	39	−6	S	0	6	*	52	37	—
	Hernösand ...	30·10	48	N	2	0	30·16	+·32	49	45	−1	SSW	2	6	*	64	45	—
	Stockholm ...	30·05	48	S	0	6	30·22	+·32	48	45	−5	NNW	2	0	*	63	48	—
	Wisby	30·00	54	NE	4	6	30·15	+·22	53	49	−7	ENE	4	0	*	63	50	·09
	Bodö	30·03	42	?	2	6	29·84	−·10	45	43	0	E	2	7	1	46	36	—
	Christiansund	30·02	55	E	1	0	29·94	−·01	56	55	+3	SSE	2	0	2	57	53	—
	Skudesnaes ...	30·10	56	NW	1	0	30·13	+·17	55	54	−3	SSE	4	0	2	53	53	—
	Christiania Fjord (Færder)	29·99	62	N	3	6	30·18	+·25	56	55	−4	ESE	3	0	3	63	53	—
	Skagen (The Scaw)	29·99	57	NW	1	6	30·16	+·21	59	58	−1	ESE	1	0	0	73	54	—
	Fanö	30·13	56	NW	4	6	30·21	+·09	55	55	−7	NW	2	0	*	66	53	—
BRITISH ISLANDS.	Sumburgh Head	30·03	52	WSW	1	0	29·88	−·12	56	55	+3	SW	2	0	3	56	51	·01
	Stornoway ...	29·96	60	SW	4	0	29·93	−·11	55	55	+3	SW	4	0	4	60	53	—
	Wick	30·04	56	ENE	2	0	29·96	−·09	63	60	+7	S	1	6	1	63	54	—
	Nairn	29·99	63	SE	1	6	29·93	−·17	65	61	+5	W	1	6	1	68	52	—
	Aberdeen ...	30·06	60	S	3	0	30·00	−·11	67	60	+8	S	2	6w	1	67	55	—
	Leith	30·06	67	S	0	0	30·05	−·07	59	57	0	S	0	m	*	74	49	—
	Shields	30·10	63	ESE	2	0	30·08	−·04	66	57	−1	SW	2	mw	2	66	54	—
	Spurn Head ...	30·12	61	SE	2	6	30·12	−·01	61	58	−1	SSE	2	6mw	2	68	57	—
	York	30·12	73	S	1	6	30·14	−·01	53	53	−3	SE	1	f	*	80	45	—
	Loughborough	30·09	76	S	1	6	30·12	−·02	49	48	−2	S	0	6fw	*	86	45	—
	Ardrossan ...	30·06	66	S	0	0	30·04	−·07	63	60	−1	S	0	6mw	0	70	58	—
	Malin Head ...	29·97	69	S	2	6m	30·02	−·05	57	56	−4	WNW	1	0m	1	58	56	—
	Mullaghmore ...	30·00	72	S	1	0m	30·03	−·05	57	56	−6	S	0	0m	1	75	56	—
	Belmullet ...	29·98	68	SW	2	6	30·01	−·03	56	55	−5	SW	1	0	*	71	55	—
	Donaghadee ...	30·08	61	SSW	2	0	30·06	−·07	57	56	−1	SE	1	m	0	63	56	—
	Liverpool (Bidston)	30·09	72	SE	2	6c	30·07	−·05	62	59	−3	SE	3	6	2	75	57	—
	Holyhead ...	30·09	63	S	0	6	30·07	−·04	65	62	0	S	0	6w	0	75	55	—
	Parsonstown ...	30·05	71	S	0	6c	30·05	−·04	56	55	0	S	0	6	*	78	57	—
	Valencia	30·03	69	SE	2	6m	30·02	−·03	58	57	−4	NE	1	f	1	74	58	—
	Roche's Point ...	30·10	63	SE	1	6	30·04	−·07	55	54	+1	N	1	m	3	67	50	—
	Pembroke (St. Ann's Hd.)	30·09	66	E	1	6	30·06	−·06	62	60	+3	E	1	mw	1	71	57	—
	Scilly	30·06	63	E	4	6	29·99	−·03	63	60	+1	E	4	6	3	66	59	—
	Prawle Point ...	30·09	66	ENE	2	6	30·08	−·08	67	63	+1	ENE	4	6	3	71	59	—
	Jersey (St. Aubin's)	30·06	73	NE	2	6m	30·03	−·07	72	65	+3	E	1	6wm	1	81	63	—
	Hurst Castle ...	30·11	66	ENE	2	6m	30·09	−·04	63	61	+2	ENE	3	6w	1	74	57	—
	Dungeness ...	30·11	67	E	3	m	30·11	−·02	66	63	+4	E	3	m	2	71	?	—
	London	30·12	71	SE	1	6f	30·13	−·01	59	58	+1	E	2	fw	*	81	54	—
	Oxford	30·13	61	S	0	6	30·12	−·04	56	54	−2	S	0	6w	*	81	48	—
	Cambridge ...	30·12	71	SE	1	6	30·14	−·01	58	57	−2	SE	1	6	*	82	46	—
	Yarmouth ...	30·13	65	S	0	6	30·14	0·0	63	61	+2	E	1	6mw	1	69	52	—
GERMANY & HOLLAND.	Cuxhaven ...	30·15	59	WNW	1	6	30·21	0·0	59	58	+4	NNE	1	0	*	69	?	—
	Berlin	30·13	66	S	0	6	30·17	−·08	58	55	+5	NW	2	0	*	79	54	—
	Wiesbaden ...	*	*	*	*	*	30·21	−·01	54	52	0	S	0	6	*	79	48	—
	Munich	30·24	57	S	0	6	30·26	−·02	53	51	+4	E	1	6	*	70	46	—
	The Helder ...	30·18	63	NE	1	6	30·22	+·04	64	62	+2	E	1	6	1	68	62	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30·15	0·0	66	60	+2	ESE	1	6	*	80	56	—
	Cape Gris Nez	30·10	65	NE	2	m	30·10	−·01	66	60	+5	E	1	m	1	72	59	—
	Paris	30·13	72	E	2	6	30·11	−·03	58	57	+3	N	1	m	*	83	54	—
	Brest	?	72	NE	1	6	?	?	68	62	+5	E	2	6	2	88	61	—
	Lorient	30·04	69	S	0	6	29·99	−·07	63	59	+2	E	3	6	2	79	61	—
	Rochefort ...	29·98	81	ESE	3	6	29·94	−·10	62	58	−1	ESE	4	6	*	81	57	—
	Belfort	30·15	66	E	2	6c	30·16		62	54		E	2	6c	*	77	51	—
	Lyons	30·08	73	SSE	1	6	30·12	−·06	61	57	−3	ENE	1	6	*	82	57	—
	Nice	30·15	69	WSW	2	6	30·12	−·07	65	54	0	ENE	4	6	3	75	61	—
	Perpignan ...	30·09	68	E	2	0	30·09	−·04	63	62	−3	S	0	0	*	70	59	—
	Biarritz	29·89	77	E	2	f	29·88	−·10	69	63	+2	WSW	1	0	1	86	67	—
PENINSULA.	Corunna	*	*	*	*	*	29·80	−·05	60	59	−3	ESE	4	7	5	?	55	·03
	Lisbon	29·81	66	ENE	3	0												

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 12th Sept. 1891.

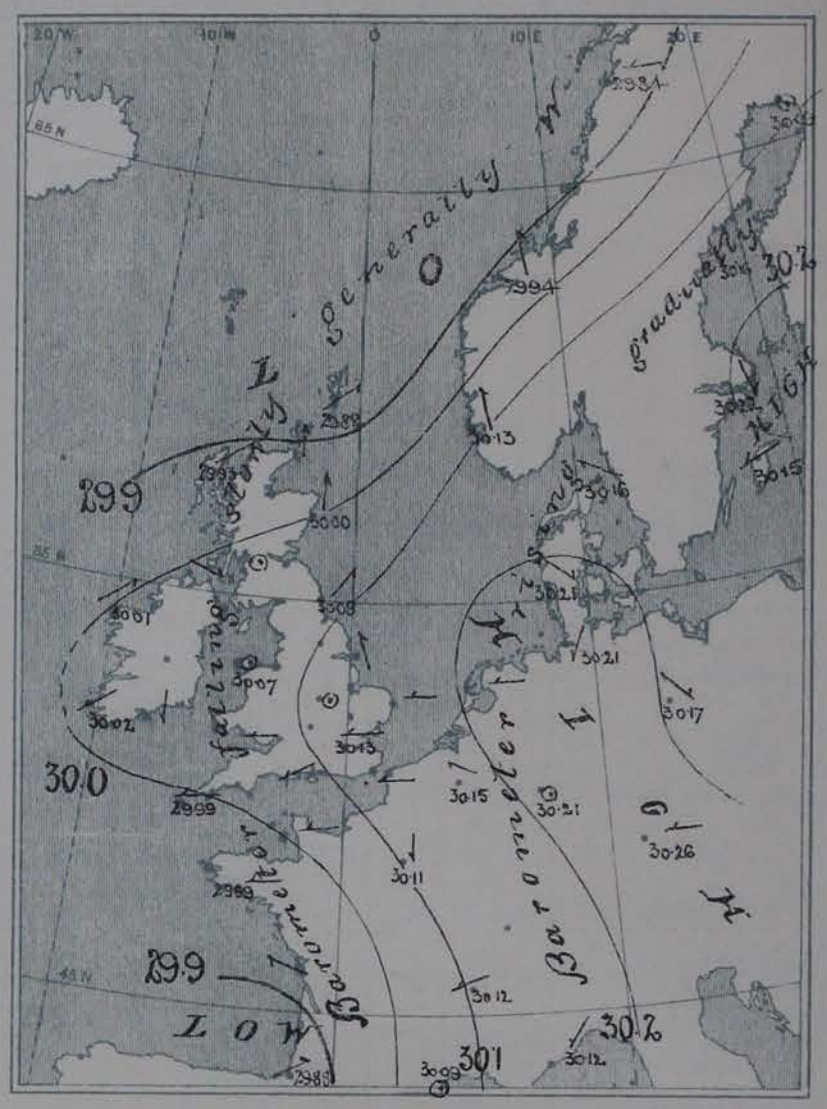
BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

WIND—Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·968
Jersey	29·983
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948

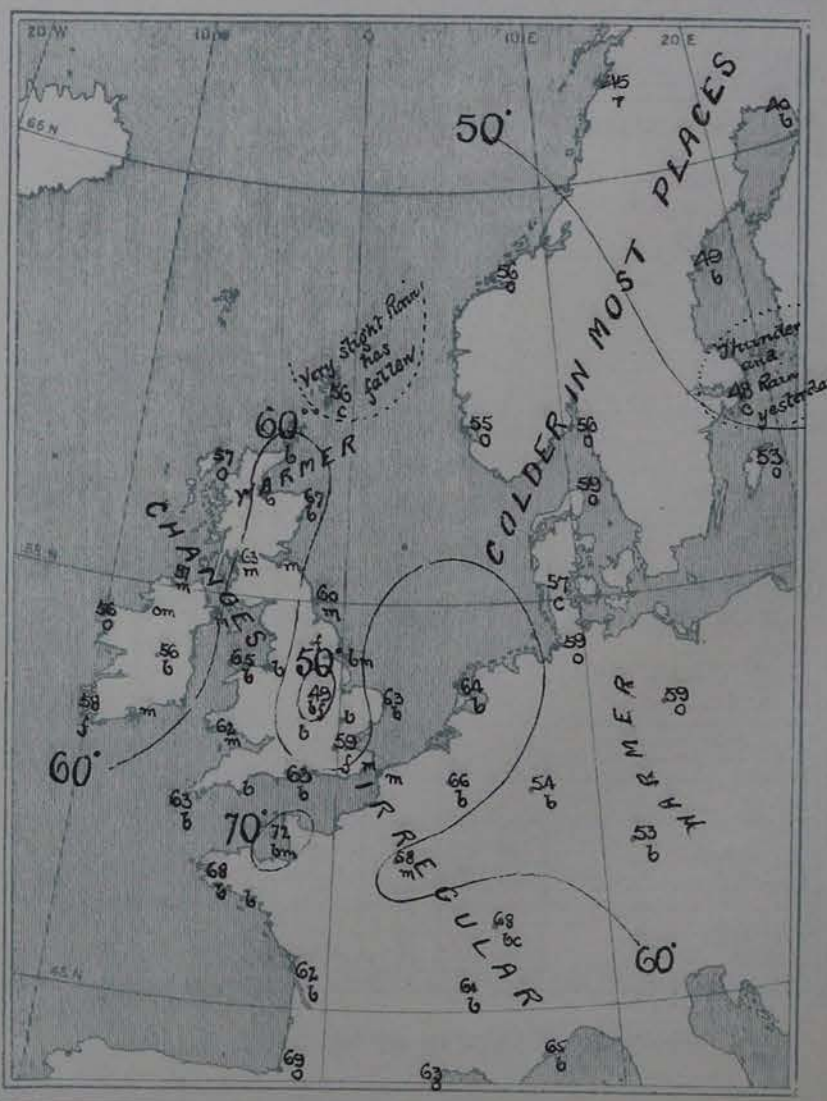
TEMPERATURE, & WEATHER AT 8 A.M.

WITH RAINFALL IN PAST 24 HOURS.

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

WEATHER is shown by Letters of the Beaufort Scale.

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



MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	4·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·0	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·1	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	51·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·56
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 ins. (uncorrected) over Germany and the Netherlands, and also over the northern parts of the Baltic.
Lowest, 29·8 ins. and less, in a depression lying to the southwestward of Iceland; 29·9 ins. and less, in a large area lying to the northward of Scotland and the westward of Norway.
Gradients slight generally. Barometer rising in Sweden, Denmark, and Germany, but falling slightly in most other places.

TEMPERATURE

Highest, 72° at Jersey, 69° at Biarritz, 67° at Aberdeen and Pembroke Dock, and 66° at Dungeness, Cape Gris Nez, and Brussels.
Lowest, 40° at Haparanda, 45° at Bodö, 46° at Stockholm, 49° at Hernösand and Loughborough.
The highest maxima registered over our Islands yesterday were 86° at Loughborough, 82° at Cambridge, and 81° in London and at Oxford.

WIND

Light or moderate from the E.ward over France, the Netherlands, and the south and east of England.
SE.ly over the southern parts of Norway, SW.ly over the greater part of Scotland; variable in Sweden.

WEATHER

Fine over by far the major part of Western Europe, but with haze or fog at many of our own stations.
Dull in Norway, with rain at Bodö.
The weather yesterday was dry at nearly all stations, but a thunderstorm was experienced at Werby.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are no signs of any immediate change in the weather, but the general fall of the barometer seems to show that the conditions are likely to become very gradually less settled.

FORECASTS

For the 24 hours ending at NOON on 13th SEPT 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW.ly to W.ly breezes, moderate to fresh; some showers.	6 SCOTLAND WEST	Varying light breezes; fine, hazy.
1 SCOTLAND EAST	S.ly and SW.ly breezes, light; fine, warm.	7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	E.ly breezes, fresh; fine generally.
3 ENGLAND EAST	Calms and Variable airs; fine and warm in day, foggy with dew at night.	9 IRELAND NORTH	Same as No 6 and 7.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH	E.ly breezes, light to moderate; fine, dry.	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: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	30·05	59	56	NW	4	o	4
Sumburgh Head	30·04	54	53	WSW	1	o	3
Stornoway	29·99	58	57	SW	4	o	4
Aberdeen	30·09	63	59	ESE	2	bc	1
Shields	30·13	65	60	ESE	3	c	2
Ardrossan	30·07	69	64	Z	o	c	o
Malin Head ...	30·01	70	65	S	2	o	o
Mullaghmore ...	30·03	70	65	NE	1	om	1
Belmullet	30·03	70	64	SSW	1	G	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	30·12	66	61	NNW	1	G	1
Valencia	30·05	70	63	SSE	4	Gm	4
Scilly	30·06	66	62	E	4	G	3
Jersey	30·09	75	65	ESE	2	G	2
Dungeness	30·11	71	65	E	2	m	1
London	30·12	78	69	SE	1	Gm	*
Yarmouth	30·15	68	63	E	1	G	1
Rochefort	30·01	88	70	ESE	4	G	?

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather fine and bright over the greater part of our Islands and the Continent, but with morning fogs and heavy dews at many of our own stations. Dull over the northern parts of Scandinavia and Russia, and also over Spain and Algeria, with rain at Madrid, Nemours, and Algiers. No rain falling during day in any part of Western Europe, but a thunderstorm occurring at Werby in evening.

Temperature highest 81° at Sfax, 78° at Algiers, 77° at Malta, and 76° at Oran; above 70° over the central and southern parts of the Mediterranean generally, and above 60° in many parts of Western Europe. Lowest (1) 40° at Archangel, 44° at Ulleaborg, 45° at Bodö, and 46° at Haparanda; (2) 46° at Cracow, 47° at Breslau, and 48° at Vienna, below 50° at most of the Austrian stations. Rising during day to between 80° and 86° over the inland parts of England, exceeding 80° at most of the French stations, and reaching 88° at Brest.

Wind light or moderate from the E^ly over Spain, France, and the south of England, calm or light and variable over the central parts of the United Kingdom, W^ly over Denmark, the Baltic, the south of Scandinavia, and the extreme north of Scotland. Light from the N^ly in Italy and from the NE^ly in Algeria. No important change occurring during day.

Barometer highest 30·3 ins: and upwards, over Eastern Austria and also over the extreme south of Russia, 30·1 ins: and upwards in a large anticyclone covering the greater part of Europe. Lowest 29·5 ins: in a depression lying over Ireland, 29·9 ins: and less, in a shallow area lying over the western parts of the Iberian Peninsula. Spanish low pressure area spreading slowly northeastwards later, and barometer falling in most parts of western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Sunday 13th September. 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.81	50	SW	6	r	29.69	− .40	53	52	+ 13	W	4	o	*	?	28	0.12
	Hernösand ...	29.94	56	S	4	o	30.02	− .14	62	55	+ 13	WNW	4	bc	*	63	36	—
	Stockholm ...	30.21	48	S	2	b	30.14	− .08	58	55	+ 10	SW	2	o	*	59	39	—
	Wisby	30.20	49	SSW	4	b	30.17	+ .02	56	54	+ 3	WSW	6	c	*	57	43	—
	Bodö	29.63	50	SW	7	r	29.83	− .01	48	45	+ 3	SW	6	r	4	50	43	0.98
	Christiansund	29.93	58	SW	9	f	30.08	+ .14	55	53	− 1	SW	2	f	2	63	52	0.08
	Skudesnaes ...	30.14	57	SSE	9	o	30.13	.00	57	55	+ 2	SSE	6	o	5	59	55	—
	Christiania Fjord (Færder)	30.13	57	SSW	5	o	30.17	− .01	56	55	0	SSW	5	o	3	59	55	—
	Skagen (The Scaw)	30.19	55	WSW	2	m	30.23	+ .07	55	55	− 4	SW	1	c	0	64	52	—
	Fanö	30.25	55	E	1	b	30.21	.00	56	56	− 1	SE	4	m	*	63	54	—
BRITISH ISLANDS.	Sumburgh Head	30.00	53	WSW	2	f	29.89	+ .01	53	53	− 3	NE	1	f	3	62	49	0.01
	Stornoway ...	30.00	56	N	3	r	29.85	− .08	55	54	− 2	L	0	f	2	60	52	0.01
	Wick	30.07	59	N	1	b	29.96	.00	53	53	− 10	L	0	f	1	74	52	—
	Nairn	30.01	60	E	1	b	29.90	− .03	54	53	− 11	L	0	m	0	76	47	—
	Aberdeen ...	29.99	69	SSW	3	bm	29.94	− .06	57	55	− 10	SE	1	bmw	1	79	48	—
	Leith	30.00	67	L	0	b	29.93	− .12	59	58	0	L	0	b	*	81	49	—
	Shields	30.02	65	SE	1	bm	29.95	− .13	57	55	− 3	SSW	1	mw	2	77	53	—
	Spurn Head ...	30.08	62	ESE	3	bm	29.96	− .16	63	60	+ 2	SE	2	bmw	2	65	57	—
	York	30.06	72	ESE	1	b	29.97	− .17	61	58	+ 8	E	1	b	*	79	46	—
	Loughborough	30.01	74	SE	1	b	29.94	− .18	51	51	+ 2	L	0	fo	*	84	43	—
	Ardrossan ...	29.99	65	L	0	b	29.89	− .15	60	58	− 3	NE	2	bcmw	1	70	54	—
	Malin Head ...	29.99	56	E	2	of	29.81	− .21	62	57	+ 5	S	3	bc	1	62	54	—
	Mullaghmore ...	29.98	60	NW	1	b	29.82	− .21	60	58	+ 3	E	3	cmw	2	62	59	—
	Belmullet ...	29.99	58	N	1	o	29.78	− .23	58	58	+ 2	SSE	1	o	*	60	55	—
	Donaghadee ...	29.99	62	S	2	b	29.89	− .17	59	57	+ 2	ESE	2	f	0	69	54	—
	Liverpool (Bidston)	30.01	72	SSE	2	b	29.90	− .19	63	58	+ 1	ESE	2	b	2	77	56	—
	Holyhead ...	30.00	64	L	0	b	29.87	− .20	68	62	+ 3	L	0	bw	0	74	59	—
	Parsonstown ...	29.96	72	L	0	b	29.83	− .22	63	60	+ 7	L	0	c	*	77	54	—
	Valencia	29.94	67	L	0	bm	29.81	− .21	59	58	+ 1	L	0	og	1	69	54	—
	Roche's Point ...	29.98	64	ESE	1	b	29.84	− .20	62	60	+ 7	ESE	2	bc	2	68	54	—
	Pembroke (St. Ann's Hd.)	30.00	68	ESE	2	m	29.84	− .22	64	61	+ 2	E	2	cpm	2	71	60	0.01
	Scilly	29.95	65	E	4	b	29.78	− .21	62	60	− 1	ESE	4	o	2	66	59	0.01
	Prawle Point ...	29.97	66	ENE	5	b	29.86	− .17	64	62	− 3	ENE	2	cm	1	72	61	—
	Jersey (St. Aubin's)	29.94	73	ENE	3	bm	29.89	− .14	67	63	− 5	E	2	cgm	2	81	64	—
	Hurst Castle ...	30.01	66	E	2	bm	29.95	− .14	66	64	+ 3	ENE	2	bm	1	74	62	—
	Dungeness ...	30.03	65	E	3	m	29.94	− .17	65	62	− 1	E	2	m	1	70	60	—
	London	30.04	70	ESE	2	b	29.94	− .19	62	60	+ 3	ENE	2	bm	*	82	55	—
	Oxford	30.05	61	SE	1	b	29.93	− .19	58	56	+ 2	E	1	bw	*	79	49	—
	Cambridge ...	30.05	68	SE	1	b	29.96	− .18	57	56	− 1	ESE	1	bw	*	84	47	—
	Yarmouth ...	30.10	64	E	2	b	30.00	− .14	63	61	0	ESE	1	bmw	2	68	60	—
GERMANY & HOLLAND.	Cuxhaven ...	30.23	57	ESE	1	b	30.24	+ .03	57	56	− 2	SE	3	f	*	62	55	—
	Berlin	30.24	63	NE	2	b	30.25	+ .08	57	56	− 2	E	3	b	*	72	54	—
	Wiesbaden ...	*	*	*	*	*	30.13	− .08	56	54	+ 2	L	0	b	*	75	52	—
	Munich	30.22	57	NE	2	b	30.17	− .09	53	50	0	SE	3	b	*	70	45	—
	The Helder ...	30.18	68	E	1	b	30.10	− .12	64	61	0	ESE	1	b	1	72	63	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.00	− .15	66	56	0	SE	3	b	*	80	57	—
	Cape Gris Nez	30.04	71	NE	1	m	29.95	− .15	63	58	− 3	SE	1	b	1	82	59	—
	Paris	30.02	69	NE	1	b	30.02	− .09	58	56	0	E	1	b	*	83	55	—
	Brest	?	72	L	0	bc	?	?	64	62	− 4	SSE	2	c	2	88	63	—
	Lorient	29.91	72	L	0	bc	29.84	− .15	66	64	+ 3	ESE	2	o	2	81	61	—
	Rochefort ...	?	75	SSE	2	o	?	?	65	61	+ 3	SE	3	b	*	86	61	—
	Belfort														*			
	Lyons	30.01	73	SSE	1	b	30.04	− .08	64	57	+ 3	E	1	b	*	82	56	—
	Nice	30.08	71	SE	6	b	30.06	− .06	69	55	+ 4	ENE	4	b	3	79	63	—
	Perpignan ...	30.01	72	E	1	o	29.96	− .13	67	66	+ 4	NE	2	o	*	77	?	0.12
	Biarritz	29.87	77	ESE	3	c	29.89	+ .01	68	65	− 1	SW	3	r	1	87	66	—
PENINSULA.	Corunna	*	*	*	*	*	29.84	+ .06	64	62	− 6	SSW	3	b	0	75	57	—
	Lisbon	29.86	65	SSW	3	o	29.87	+ .07	63	62	+ 3	ESE	2	o	3	68	60	0.16

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Sunday, 13th Sept., 1891.

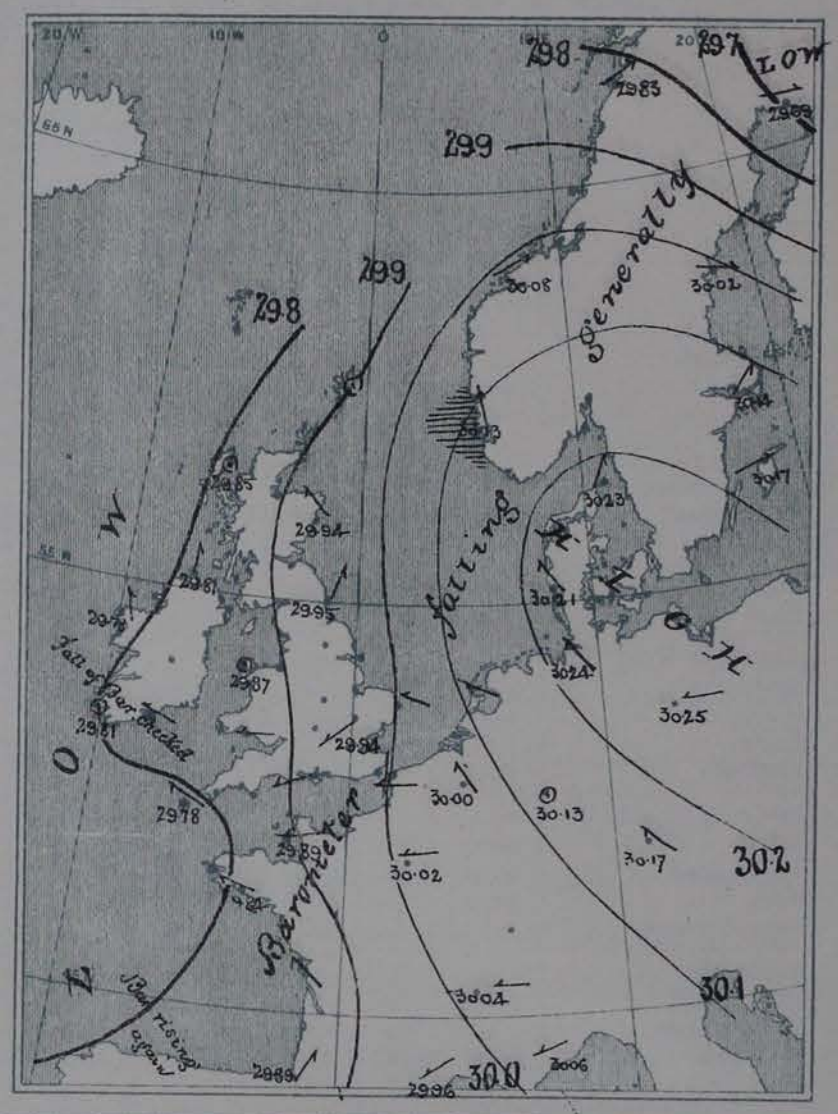
BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.
Changes since previous morning are stated in words.

WIND—Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
= dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

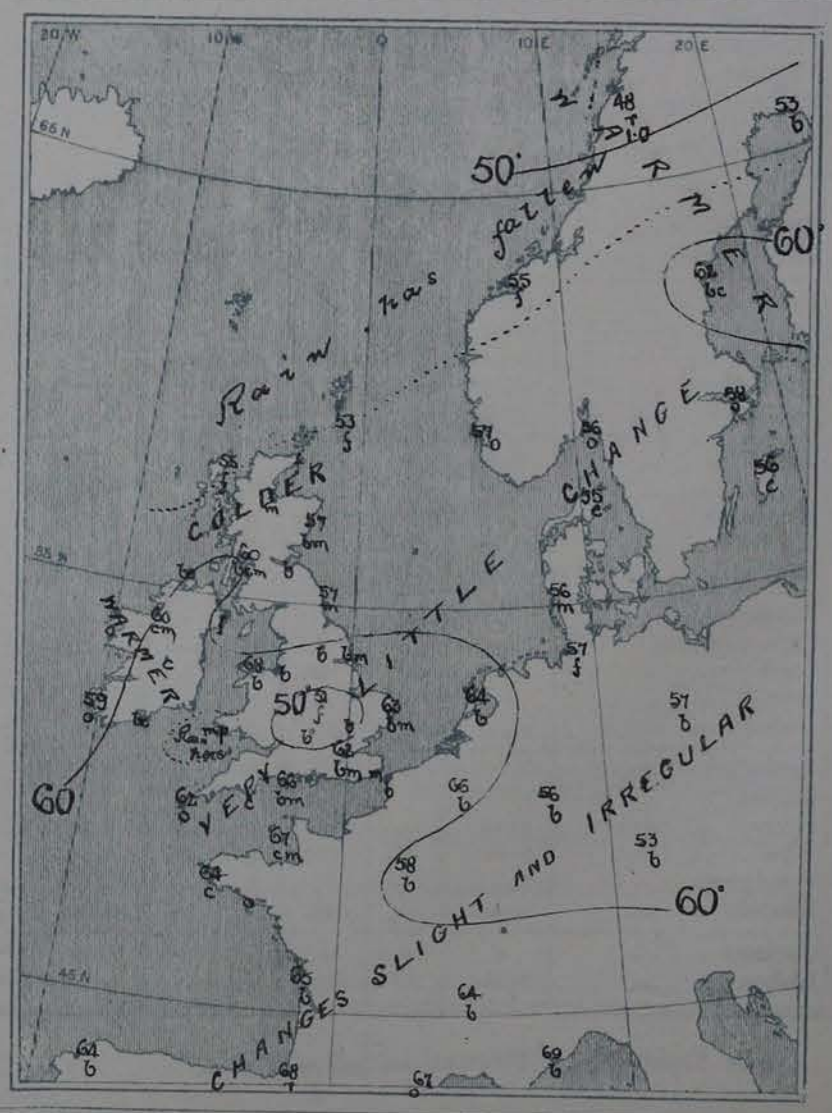
STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·947
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·958
Jersey	29·985
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948

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

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

WEATHER is shown by Letters of the Beaufort Scale

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



MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	1·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·53
Aberdeen	59·2	45·7	52·1	49·7	2·37
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·59
Spurn Head	60·1	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·9	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·1	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: to 30·1 ins: in a large anticyclone covering Germany, the east of France, the eastern shores of the North Sea and the Baltic.
Lowest, 29·8 ins: and less, off the west coast of our Islands and over the Bay of Biscay.
Gradients moderate to slight but irregular, and inclined to increase somewhat
Barometer falling on all our own and neighbouring coasts, rising a little over Spain.

TEMPERATURE

Highest, 67° to 69° in the south of France, 62° to 67° on the Channel coasts, 62° in London and at Roches Point.
Lowest, 48° at Bodö, 51° at Loughborough, 53° at Lumburgh Hd. and Wick, 55° at the Scaw, 57° at Shields, and 58° at Belmullet.
The daily maxima yesterday were as high as 80° to 84° over the inland parts of England, 81° at Leith

WIND

Fresh to strong from the Wd. over Northern Europe; S. to SE. strong to moderate, on the eastern shores of the North Sea, SE. to E. over Germany and the east and south of France, very variable over our Islands, but mainly E. in the south.

WEATHER

Still very fine and bright over England, France, and Germany, but becoming cloudy, showery and rather unsettled in the western parts both of the British Isles and France; fog and haze very prevalent at the Scotch and English stations, and heavy dew.

SEA

Very little disturbed.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 14th SEPT 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	None issued	6 SCOTLAND WEST	None issued
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None issued

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	30·13	58	56	SSE	7	o	5
Sumburgh Head	29·95	58	55	WSW	3	b	4
Stornoway	29·99	59	57	SW	3	o	3
Aberdeen	29·99	79	65	SSW	2	b	1
Shields	30·04	73	65	ESE	3	b	2
Ardrossan	30·02	68	64	SW	1	b	1
Malin Head ...	30·02	57	56	NE	2	o	2
Mullaghmore ...	30·01	61	59	SW	2	om	3
Belmullet	30·03	59	57	WSW	1	o	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	30·04	70	65	NW	1	b	1
Valencia	29·98	67	63	L	0	bm	1
Scilly	29·97	66	62	E	4	b	4
Jersey	29·88	80	70	E	3	bm	3
Dungeness	30·07	69	64	E	3	m	2
London	30·07	79	69	E	2	b	*
Yarmouth	30·15	68	63	E	1	b	1
Rochefort	29·91	83	69	ESE	4	c	2

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather fine over the greater part of western and southern Europe, as well as over the northern parts of Sweden, but fog and heavy dew reported at many of our own stations. Dull in Norway, Russia, Eastern Germany, Spain, and the extreme northwest of our Islands, with rain at Bodö, and also at Lisbon; Heavy rain falling later at some of the Spanish stations, and a thunderstorm occurring at Perpignan.

Temperature highest 82° at Brest, 80° at La Calle and Tunis, and 78° at Algiers, above 70° at most of the Mediterranean stations and also in the Channel Islands; above 65° on several part of the British coasts. Lowest (1) 37° at Archangel and Ukaboy, 40° at Haparanda, 41° at Kuopio, and 45° at Bodö; (2) 49° at Loughborough and 53° at York. Rising during day to between 80° and 85° in most of the inland parts of Great Britain; exceeding the latter point in several parts of France and southern Europe, the highest reading of all being 88° at Brest and Clermont.

Wind light or moderate from the E^ly over France, the Netherlands, and the south and east of England; SE^ly over the southern parts of Norway; S^ly or SW^ly in Scotland. Light from the N^ly or NE^ly over Finland and the Baltic and from the NW^ly or W^ly over Denmark, Eastern Germany, and the south of Russia. Variable in Italy; SE^ly in Algeria. No important change occurring during day.

Barometer highest 30·2 ins. and upwards over Germany, the Netherlands, and the south of Denmark, and also over Central Sweden, 30·1 ins. and upwards, in a large anticyclone covering a considerable portion of Europe. Lowest 29·7 ins. and less, in a well marked depression over Central Russia, 29·8 ins. and less, in another system lying to the westward of Portugal; 29·9 ins. and less, in a large shallow area lying to the northward of our Islands and the westward of Norway. Russian depression subsequently disappearing; Spanish disturbance spreading slowly northeastwards towards France and our southern coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Monday 14th September. 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.85	44	S	2	G	30.13	+.44	48	46	−5	NE	4	G	*	61	44	—
	Hernösand ...	30.13	56	E	0	c	30.23	+.21	50	48	−12	E	0	bc	*	72	45	—
	Stockholm ...	30.17	57	SW	2	G	30.21	+.07	55	53	−1	E	0	G	*	64	46	—
	Wisby	30.14	55	SSW	4	G	30.16	−.01	57	55	+1	SSW	4	G	*	63	48	—
	Bodö	30.12	47	SW	4	o	30.10	+.27	48	46	0	ENE	2	G	1	48	43	0.20
	Christiansund	30.02	57	E	2	o	29.91	−.17	55	53	+2	S	1	bc	1	55	54	0.04
	Skudesnaes ...	30.07	56	S	6	G	29.91	−.22	62	55	+5	ESE	6	c	5	?	57	—
	Christiania Fjord (Færder)	30.17	57	SSW	3	o	30.13	−.04	55	54	−1	ENE	4	o	2	59	54	—
	Skagen (The Scaw)	30.17	58	S	1	G	30.08	−.15	56	55	+4	SE	1	G	o	61	55	—
	Fanö	30.07	59	E	5	G	29.93	−.28	63	58	+4	E	4	G	*	70	55	—
BRITISH ISLANDS.	Sumburgh Head	29.82	53	S	1	f	29.61	−.28	55	55	+2	SE	3	f	4	58	50	—
	Stornoway ...	29.70	56	E	0	o	29.66	−.15	57	55	+2	SW	2	b	2	62	50	0.16
	Wick	29.68	56	S	2	f	29.65	−.31	55	54	+2	NW	4	o	2	60	53	0.17
	Nairn	29.72	54	E	0	m	29.65	−.25	54	53	0	SW	3	o	2	59	52	0.03
	Aberdeen ...	29.81	57	SSE	3	bc	29.65	−.29	57	56	0	SW	1	omp	2	63	54	0.01
	Leith	29.78	61	NE	1	G	29.66	−.27	60	59	+1	NE	1	r	*	68	52	0.03
	Shields	29.80	63	ESE	2	c	29.66	−.25	60	55	+3	SSW	1	owm	2	66	54	—
	Spurn Head ...	29.82	62	ESE	3	Gm	29.70	−.26	62	60	−1	SSW	3	cwm	3	64	59	—
	York	29.83	74	E	1	G	29.70	−.27	59	57	−2	SSE	1	r	*	80	53	0.01
	Loughborough	29.78	72	SE	1	G	29.69	−.25	62	60	+11	E	0	cm	*	82	51	0.01
	Ardrossan ...	29.73	63	E	0	ofp	29.70	−.15	55	53	−5	NW	3	o	2	74	53	0.20
	Malin Head ...	29.68	65	S	1	om	29.76	−.05	53	49	−9	NW	4	bc	3	72	52	0.25
	Mullaghmore ...	29.70	59	SW	2	o	29.82	0.0	54	49	−6	WNW	4	c	2	70	52	0.03
	Belmullet ...	29.72	56	WNW	1	ofp	29.81	+.03	54	50	−4	W	2	c	*	60	50	0.08
	Donaghadee ...	29.74	61	SW	1	r	29.76	−.13	55	53	−4	NW	3	o	1	65	52	0.23
	Liverpool (Bidston)	29.76	71	SE	1	c	29.72	−.18	60	59	−3	W	1	om	1	77	60	—
	Holyhead ...	29.74	69	SW	3	cg	29.74	−.13	56	56	−12	NNW	5	fg	3	76	56	0.02
	Parsonstown ...	29.70	68	S	0	c	29.85	+.04	53	50	−10	S	0	fg	*	73	51	—
	Valencia	29.78	55	NNW	2	o	29.95	+.14	55	52	−2	WNW	2	G	2	64	51	—
	Roche's Point ...	29.73	63	ESE	1	bc	29.85	+.05	54	50	−8	NNW	5	G	4	67	52	—
	Pembroke (St. Ann's Hd.)	29.74	63	ESE	2	c	29.78	−.06	56	55	−8	NW	4	ogp	2	66	56	0.02
	Scilly	29.76	63	SSE	3	c	29.82	+.04	58	55	−4	NW	5	g	3	66	55	—
	Prawle Point ...	29.75	61	ENE	1	bc	29.76	−.10	59	59	−5	W	2	ogm	1	70	58	0.18
	Jersey (St. Aubin's)	29.89	73	ESE	1	c	29.80	−.09	63	62	−4	W	4	om	3	76	61	0.38
	Hurst Castle ...	29.82	66	SSE	2	bc	29.73	−.22	63	62	−3	SW	1	cm	1	71	61	—
	Dungeness ...	29.90	68	E	2	m	29.76	−.18	66	63	+1	SW	3	cp	2	72	62	—
	London	29.82	75	SE	2	bc	29.74	−.20	64	62	+2	S	2	o	*	82	60	—
	Oxford	29.81	69	SSW	1	G	29.72	−.21	63	61	+5	W	1	bc	*	80	59	—
	Cambridge ...	29.85	70	ESE	1	bc	29.73	−.23	66	63	+9	S	1	o	*	83	55	—
	Yarmouth ...	29.89	65	ESE	2	G	29.74	−.26	63	62	0	S	2	cd	3	67	60	—
GERMANY & HOLLAND.	Cuxhaven ...	30.11	61	ESE	3	G	29.97	−.27	59	58	+2	SE	3	G	*	69	57	—
	Berlin	30.15	65	SE	4	G	30.07	−.18	58	55	+1	SE	4	G	*	73	54	—
	Wiesbaden ...	*	*	*	*	*	30.00	−.13	59	55	+1	E	0	G	*	77	52	—
	Munich	30.10	59	E	0	G	30.09	−.08	60	56	+7	E	0	G	*	72	50	—
	The Helder ...	29.95	68	ESE	1	G	29.85	−.25	64	61	0	SSE	1	bc	1	73	63	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	29.86	−.14	70	63	+4	S	3	G	*	80	60	—
	Cape Gris Nez	29.85	75	SE	1	c	29.78	−.17	66	64	+3	S	3	r	3	84	61	0.04
	Paris	29.83	72	E	2	bc	29.88	−.14	66	61	+8	SE	2	G	*	84	?	—
	Brest	?	64	SSW	2	o	?	?	61	61	−3	W	2	o	2	72	61	—
	Lorient	29.80	68	W	1	m	29.88	+.04	64	62	−2	W	3	o	2	77	63	0.43
	Rochefort ...	29.76	68	SSW	5	r	29.85	?	63	62	−2	WNW	4	r	*	75	61	0.48
	Belfort	30.05	66	E	2	bc	30.05		68	54		E	2	bc	*	81	48	—
	Lyons	29.94	74	ESE	1	o	29.95	−.05	65	62	+1	N	1	fr	*	85	62	0.12
	Nice	30.06	72	E	3	c	30.14	+.08	71	60	+2	SE	3	c	4	75	61	0.24
	Perpignan ...	29.89	69	SE	3	o	30.03	+.07	66	52	−1	SW	1	G	*	77	50	—
	Biarritz	29.83	71	ESE	2	o	30.00	+.11	68	63	0	SW	2	o	2	75	63	0.47
PENINSULA.	Corunna	*	*	*	*	*	30.10	+.23	66	64	+3	WSW	3	o	5	70	64	—
	Lisbon	29.96	66	SW	3	G												

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Monday, 14th Sept.r, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.
Changes since previous morning are stated in words.

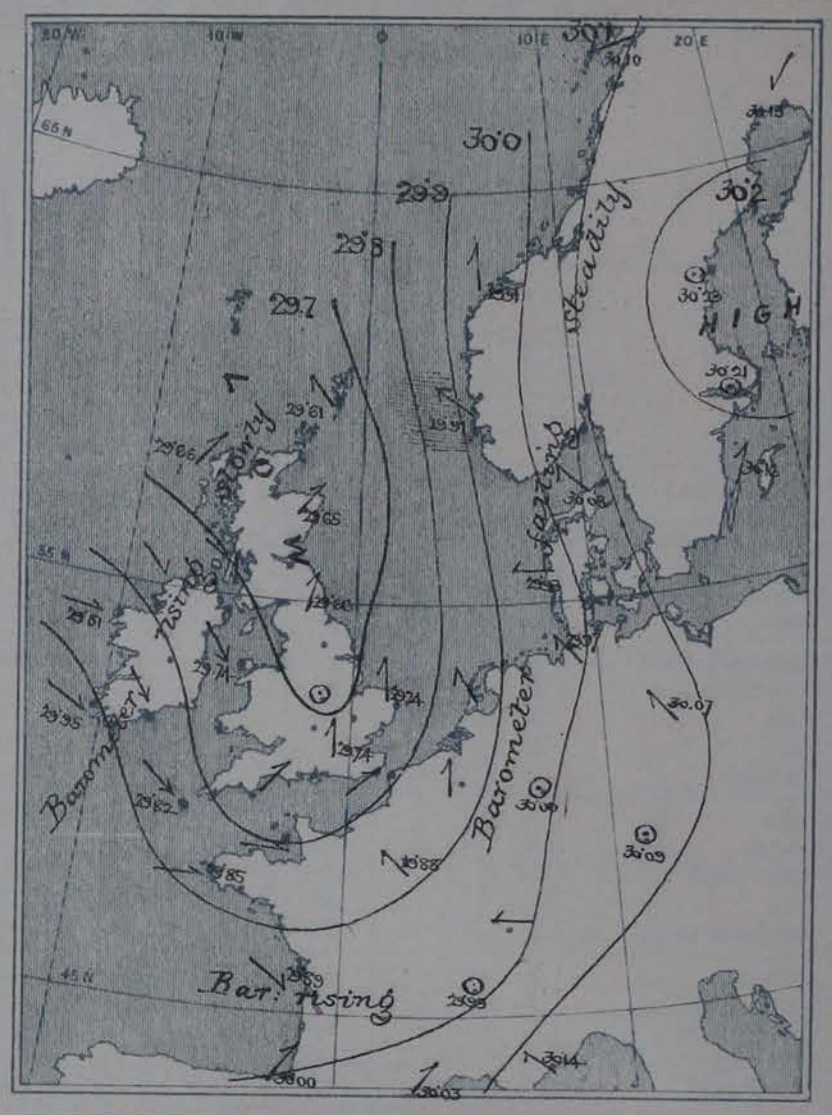
WIND—Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·896
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·947
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·998
Jersey	29·983
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948



TEMPERATURE, & WEATHER AT 8 A.M.

WITH RAINFALL IN PAST 24 HOURS.

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Day.	at 8 a.m. Wet.	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	4·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	54·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·62
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·0	52·2	2·79
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·8	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins: and more to 30·0 ins: over Sweden, the Baltic, and Germany, and 29·9 ins: and more over the southwest of Ireland.
Lowest, 29·7 ins: and less, over Scotland and the north of England.
Gradients moderate. Barometer rising in the west, falling in the east.

TEMPERATURE

Highest, 71° at Nice, 68° at Prawle Point, 66° at Paris, 64° in London.
Lowest, 48° at Boro, 54° at Nairn and Bilmuclit, 56° at Pembroke, 59° at York.
The fall over our western districts since yesterday exceeds ten degrees at several stations.

WIND

Light from the S^rd over all the eastern half of England, moderate SE^ly to E^ly on the eastern shores of the North Sea
Variable in Scotland, moderate to fresh from the NW^rd in Ireland and the Irish Channel.

WEATHER

Continues fine and bright over the greater part of France, Germany, and the eastern shores of the North Sea, but has become very changeable and unsettled in our Islands, with rain, thunder, and lightning at times.
Rainfall has not been heavy at present.

SEA

Moderate in the far north and at Valencia Island, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A complex series of disturbances has advanced over the United Kingdom from the southward and westward causing a spell of unsettled weather, and in many places thunder, as well as rain. The main disturbance lies over the northern half of Great Britain, but in Ireland the barometer has begun to rise. Temperature has fallen fast in the west and the fall is spreading eastwards. The recovery of pressure in the west and the NW^ly wind will probably become general in our Islands during the day.

FORECASTS

For the 24 hours ending at NOON on 15th SEPT 1891.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	Very Variable winds, rain at times, perhaps thunder, unsettled.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	S^ly winds; close, showery, thundery, then NW^ly, colder, unsettled generally.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	NW^ly to W^ly winds; weather very changeable, 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: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	30.12	60	57	SSE	8	6	5
Sumburgh Head							
Stornoway	29.77	60	58	Z	0	bc	2
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.74	70	64	SSE	1	0	1
Mullaghmore ...							
Belmullet	29.76	58	57	W	1	0	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.77	73	68	Z	0	c	0
Valencia ●							
Scilly							
Jersey	29.85	71	66	ESE	3	bcf	3
Dungeness	29.91	68	65	E	2	m	1
London							*
Yarmouth							
Rochefort	?	74	68	SSE	3	0	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather fine over the greater part of Europe but fogs and heavy dews reported at many of our own stations. Dull over northern Russia and the south of Scandinavia; rain at Bodö and also at Biarritz; slight rain falling in the southwest of England. Remaining fine over the eastern parts of our Islands all day but rain falling in the west; thunderstorms experienced at night in the southwest of England and the west of France as well as in the Hebrides.

Temperature highest 82° at La Calle and Sfax 81° at Tunis, and 77° at Cagliari; above 70° at most of the Mediterranean stations and above 60° on some parts of the English coasts. Lowest (1) 34° at Moscow, 37° at Archangel, and 44° at St Petersburg, Riga and Warsaw; (2) 51° at Loughborough, 53° at Sumburgh Head and Wick, and 54° at Nairn. Rising later to 80° or more at several of the English and French stations, the highest readings in our Islands being 83° in London & at Cambridge.

Wind light from the E^ly or SE^ly over the greater part of our Islands, France, the Netherlands and western Germany, but calm at many of the Scotch stations. Moderate to strong from the W^ly or SW^ly over Scandinavia and northern Russia, light from the N^ly over Austria, the south of Russia and central Italy; NE^ly in Spain, variable in Algeria. Subsequently veering to the SW^ly in the west of France and shifting to the NW^ly in the west of Ireland; very little change elsewhere.

Barometer highest 30.3 ins. and upwards over western Russia and the southern parts of the Baltic, 30.1 ins. and upwards in a large anticyclone covering the whole of central and eastern and a considerable part of northern Europe. Lowest 29.7 ins. in a depression lying over Lapland, 29.8 ins. and less in a large area lying to the westward and southwestward of our Islands. Barometer falling over western Europe throughout day and low pressure systems beginning to appear over our western coasts.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD.

FROM THE 6TH TO 12TH SEPT. 1891.

During this period the distribution of pressure and the weather over our Islands and northwestern Europe generally have undergone a gradual but entire change.

At the commencement of the week and for a day or two subsequently depressions moving northeastwards continued to skirt our western and northern coasts, producing S^ly & W^ly winds and cool unsettled weather. Over the southwest of Ireland several heavy falls of rain were experienced, but in most parts of Great Britain the falls were slight and less frequent. The conditions over France and Germany during this time, although anticyclonic and dry, were comparatively cool. During the latter part of the week, however, the high pressure area spread westwards and northwards over our Islands and the sky became very clear, the days hot and dry and the nights relatively cold with very heavy dews. Very bright and much warmer weather set in over France and Germany also, but over Scandinavia the conditions remained somewhat unsettled.

The maximum temperatures recorded over our Islands were higher than any registered during the three preceding months. On Thursday the thermometer at the inland English stations rose to between 80° and 83°, on Friday to between 80° and 86°, and on Saturday to between 80° and 84°.

At the end of the period the barometer had begun to fall again very generally and there were some indications of the approach of close and thundery conditions over the United Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Tuesday 15th. September 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom.: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	30.21	49	NE	0	bc	30.11	-.02	48	46	0	S	4	b	*	57	37	—
	Hernösand ...	30.10	53	NE	0	c	29.92	-.01	55	53	+5	S	4	c	*	66	43	—
	Stockholm ...	30.08	54	S	2	b	29.86	-.02	54	?	-3	SE	4	0	*	73	50	—
	Wisby	30.07	53	SSE	2	b	29.87	-.25	58	56	+1	ESE	4	0	*	66	50	—
	Bodö	29.82	57	E	4	b	29.55	-.55	58	53	+10	E	4	b	2	59	48	—
	Christiansund	29.72	55	ESE	1	c	29.92	-.59	63	56	+6	SSE	4	c	2	63	55	—
	Skudesnaes ...	29.65	63	SE	7	0	29.71	-.20	54	50	-8	WNW	6	c	4	?	50	0.83
	Christiania Fjord (Færder)	29.94	61	NNE	3	c	29.52	-.61	59	57	+4	SSE	7	p	5	61	55	—
	Skagen (The Scaw)	29.86	59	SSE	4	bc	29.59	-.49	58	56	-1	W	5	c	3	64	52	0.08
	Fanö	29.78	64	SE	4	0	29.83	-.06	58	54	-2	WNW	6	c	*	72	57	—
BRITISH ISLANDS.	Sumburgh Head	29.60	50	NNW	3	p	29.66	+.08	51	48	-4	W	3	b	4	55	47	0.81
	Stornoway ...	29.70	55	W	3	bc	29.85	+.15	51	49	-6	W	3	bc	3	58	45	0.12
	Wick	29.68	50	NW	1	0	29.84	+.15	51	49	-4	NW	4	b	1	56	48	0.20
	Nairn	29.70	52	W	1	c	29.83	+.22	51	48	-3	W	2	b	1	55	48	0.17
	Aberdeen ...	29.69	50	WNW	3	c	29.92	+.27	53	49	-4	SW	2	bw	2	59	48	1.14
	Leith	29.73	56	NE	2	bc	29.98	+.32	54	51	-6	WSW	2	b	*	60	48	0.16
	Shields	29.73	54	W	3	0	29.98	+.32	54	51	-6	W	2	c	2	68	45	0.48
	Spurn Head ...	29.71	58	WNW	5	c	30.06	+.36	55	52	-7	WSW	3	c	3	67	49	0.16
	York	29.77	56	WNW	2	c	30.05	+.35	52	50	-7	S	1	c	*	66	44	0.20
	Loughborough	29.82	55	WNW	5	b	30.07	+.38	53	52	-9	S	2	cw	*	68	47	0.24
	Ardrossan ...	29.84	54	WSW	3	c	?	?	59	52	+2	W	4	c	3	59	52	0.10
	Malin Head ...	29.81	54	W	3	cp	30.02	+.26	54	50	+1	WNW	5	op	3	58	51	0.09
	Mullaghmore ...	29.86	56	SW	5	c	30.12	+.30	55	50	+1	WNW	5	c	3	59	52	0.06
	Belmullet ...	29.85	55	SSW	3	or	30.13	+.32	55	51	+1	W	2	o	*	58	51	0.20
	Donaghadee ...	29.86	58	WNW	2	bc	30.07	+.31	53	51	-2	WNW	3	b	1	63	52	0.01
	Liverpool (Bidston)	29.87	55	W	5	b	30.06	+.34	53	52	-7	S	1	o	2	60	50	0.59
	Holyhead ...	29.89	55	W	2	b	30.06	+.32	56	55	0	NW	4	cp	3	59	52	0.16
	Parsonstown ...	29.94	56	E	0	c	30.18	+.31	53	50	0	SW	1	b	*	61	49	0.04
	Valencia	29.95	57	SW	6	rm	30.28	+.33	55	54	0	NW	1	c	2	61	52	0.09
	Roche's Point...	30.00	58	W	3	bc	30.20	+.31	54	51	0	NW	3	b	3	61	51	0.01
	Pembroke (St. Ann's Hd.)	29.97	57	W	5	bq	30.13	+.35	57	54	+1	WNW	4	c	4	63	55	0.11
	Scilly	30.07	58	WNW	4	bc	30.21	+.39	58	56	0	NW	5	op	3	59	55	0.07
	Prawle Point ...	30.02	54	W	4	bc	30.18	+.42	57	56	-2	W	4	bcp	3	65	51	0.06
	Jersey (St. Aubin's)	30.01	60	WNW	4	ogp	30.26	+.46	60	56	-3	WSW	4	bc	3	64	53	0.03
	Hurst Castle ...	29.94	60	WNW	4	c	30.17	+.44	59	57	-4	SW	5	c	3	66	52	0.18
	Dungeness ...	29.85	62	W	5	o	30.15	+.43	57	52	-9	NNW	2	bc	1	67	45	0.01
	London	29.90	60	NW	3	o	30.17	+.43	54	51	-10	WSW	2	bw	*	69	44	0.12
	Oxford	29.99	54	NW	3	bc	30.16	+.44	53	50	-10	SSW	1	o	*	66	45	0.02
	Cambridge ...	29.88	58	S	1	op	30.15	+.42	55	53	-11	SSW	1	b	*	69	42	0.11
	Yarmouth ...	29.74	63	W	2	op	30.12	+.38	54	52	-9	W	3	b	2	68	45	0.25
GERMANY & HOLLAND.	Cuxhaven ...	29.88	62	SSE	2	b	29.89	-.08	60	59	+1	NW	5	bc	*	76	59	0.04
	Berlin	29.95	69	SE	3	b	29.79	-.10	66	63	+8	W	5	b	*	75	58	—
	Wiesbaden ...	*	*	*	*	*	30.11	+.11	65	62	+8	SW	4	o	*	79	57	—
	Munich	30.15	68	SW	3	b	30.28	+.19	61	59	+1	SW	4	o	*	79	53	0.08
	The Helder ...	29.80	64	SW	6	p	30.11	+.26	58	53	-6	WNW	2	bc	3	75	58	0.20
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.19	+.33	57	54	-13	WSW	4	b	*	75	52	0.16
	Cape Gris Nez	29.85	62	WSW	6	c	30.16	+.38	55	53	-11	W	4	b	4	72	54	0.12
	Paris	30.01	68	SW	3	b	30.26	+.38	55	53	-11	WSW	2	p	*	74	54	0.04
	Brest	?	60	NNW	3	c	?	?	61	58	0	WSW	4	c	4	64	55	—
	Lorient	30.11	61	NW	3	c	30.31	+.43	60	55	-4	W	2	bc	4	70	55	0.08
	Rochefort ...	30.11	67	W	5	c	30.28	+.35	57	55	-6	N	4	bc	*	73	55	—
	Belfort	?	64	W	1	bc	?	?	61	50	-7	W	1	c	*	82	49	—
	Lyons	30.15	65	S	3	c	30.25	+.26	61	58	-4	N	2	c	*	78	57	0.08
	Nice	30.15	68	SE	3	bc	30.19	+.05	69	63	-2	E	1	b	1	77	63	0.04
	Perpignan ...	30.12	70	E	0	b	30.25	+.22	66	66	0	W	1	o	*	80	61	—
	Biarritz	30.13	69	N	2	bl	30.26	+.26	64	63	-4	E	2	p	0	73	63	0.16
PENINSULA.	Corunna	*	*	*	*	*	30.28	+.18	63	60	-3	N	4	b	3	75	61	—
	Lisbon	30.24	65	NNW	5	b												

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Tuesday 15th Sept. 1891.

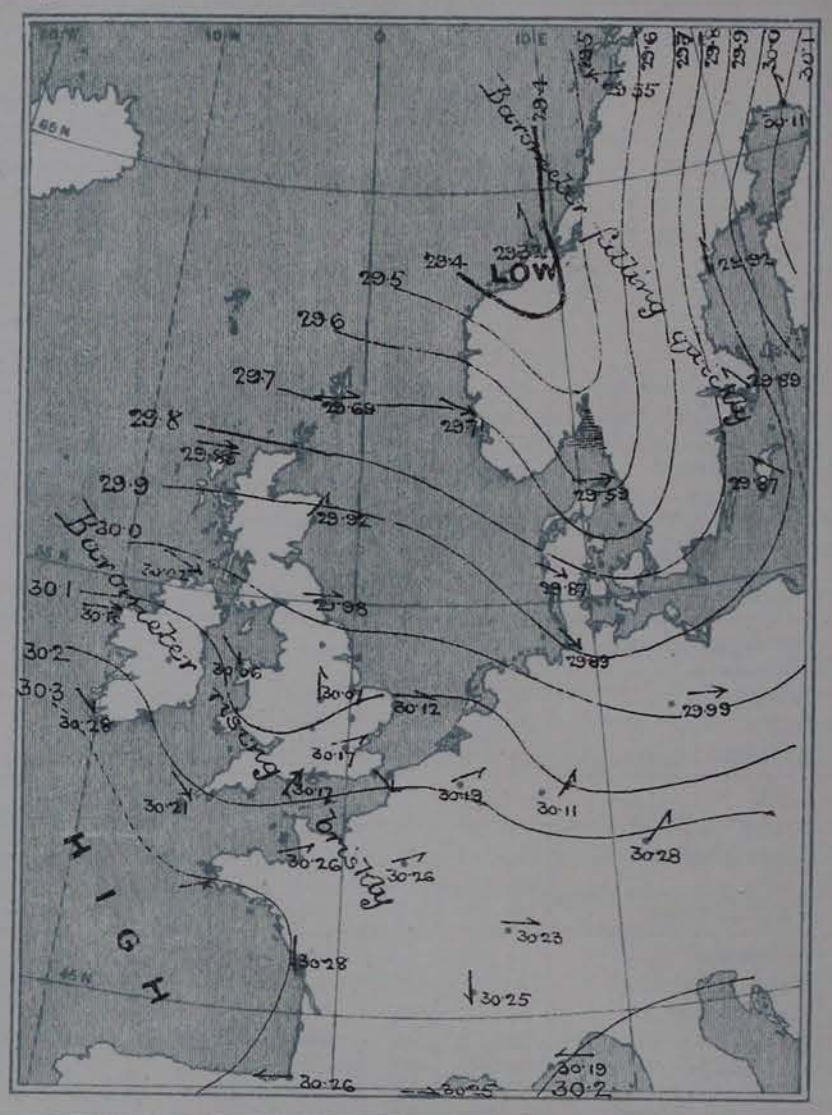
BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.
Changes since previous morning are stated in words.

WIND - Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

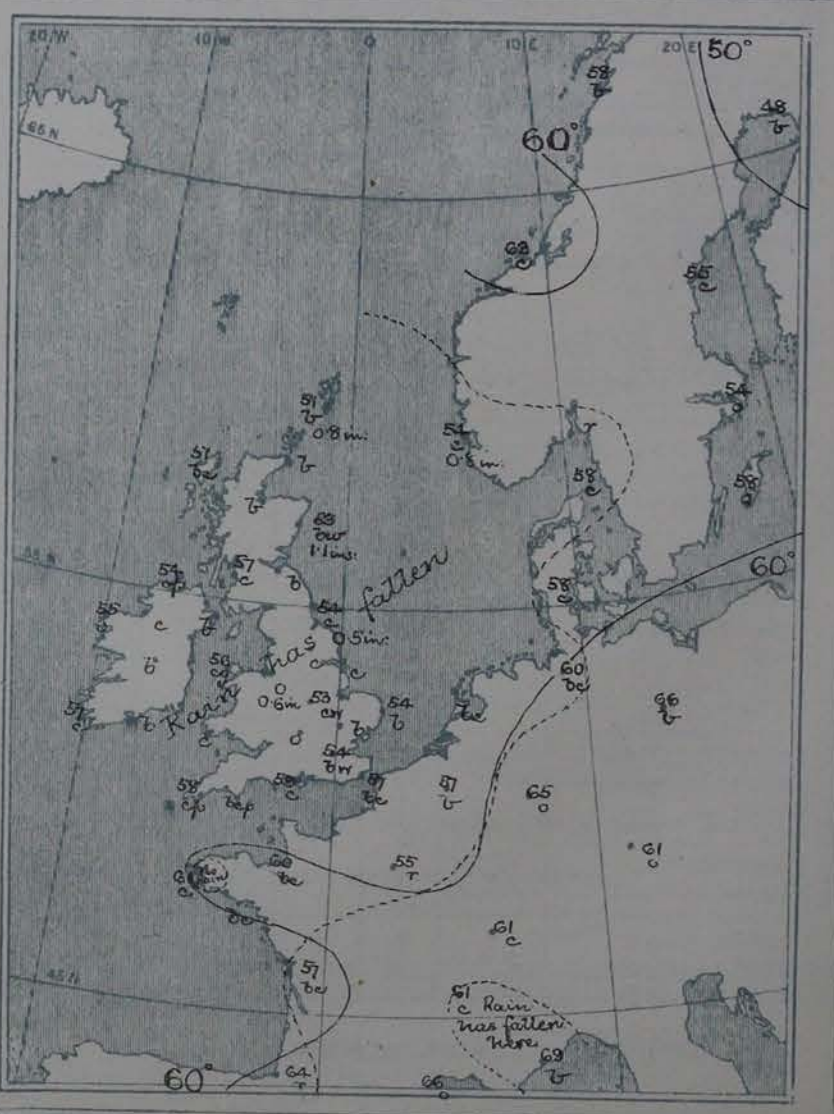
STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29 · 797
Stornoway	29 · 815
Wick	29 · 829
Nairn	29 · 843
Aberdeen	29 · 858
Leith	29 · 881
Shields	29 · 903
Spurn Head	29 · 929
York	29 · 939
Loughborough	29 · 959
Ardrossan	29 · 885
Mullaghmore	29 · 890
Donaghadee	29 · 965
Holyhead	29 · 929
Liverpool	29 · 935
Parsonstown	29 · 937
Valencia	29 · 947
Roche's Point	29 · 946
Pembroke	29 · 948
Scilly	29 · 971
Prawle Point	29 · 983
Jersey	29 · 983
Hurst Castle	29 · 991
Dover	29 · 970
LONDON	29 · 978
Oxford	29 · 971
Cambridge	29 · 965
Yarmouth	29 · 948

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

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

WEATHER is shown by Letters of the Beaufort Scale.

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



MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	9 a.m. Dry	9 a.m. Wet.	RAINFALL (Inches.)
Sumburgh Head	55 · 0	46 · 1	50 · 8	49 · 1	3 · 32
Stornoway	56 · 3	45 · 8	51 · 4	50 · 1	4 · 10
Wick	57 · 7	45 · 5	51 · 9	50 · 0	2 · 53
Nairn	59 · 2	46 · 5	51 · 3	48 · 9	2 · 58
Aberdeen	59 · 2	46 · 7	52 · 1	49 · 7	2 · 97
Leith	61 · 9	47 · 5	53 · 2	50 · 8	2 · 34
Shields	59 · 8	48 · 8	53 · 1	51 · 0	2 · 50
Spurn Head	60 · 4	52 · 7	55 · 5	53 · 8	2 · 62
York	62 · 9	47 · 7	52 · 9	51 · 1	2 · 70
Loughborough	65 · 0	47 · 8	54 · 9	52 · 2	2 · 76
Ardrossan	59 · 6	49 · 4	53 · 5	51 · 1	3 · 67
Mullaghmore	60 · 2	50 · 9	54 · 0	51 · 6	4 · 95
Donaghadee	59 · 6	49 · 2	53 · 5	52 · 3	3 · 64
Holyhead	60 · 7	52 · 6	55 · 7	53 · 5	3 · 23
Liverpool	61 · 2	50 · 8	54 · 5	51 · 9	3 · 30
Parsonstown	61 · 5	47 · 4	53 · 0	51 · 1	3 · 16
Valencia	61 · 8	51 · 5	56 · 5	54 · 2	4 · 53
Roche's Point	61 · 7	51 · 0	55 · 5	53 · 4	4 · 08
Pembroke	60 · 1	53 · 0	56 · 1	53 · 9	3 · 58
Scilly	61 · 8	54 · 7	58 · 4	56 · 3	3 · 41
Prawle Point	62 · 4	52 · 2	57 · 0	55 · 2	2 · 46
Jersey	65 · 4	54 · 8	59 · 9	57 · 0	3 · 05
Hurst Castle	64 · 3	52 · 1	57 · 1	55 · 7	3 · 07
Dover	63 · 4	52 · 9	57 · 7	55 · 2	2 · 64
LONDON	66 · 4	49 · 6	55 · 8	53 · 5	2 · 35
Oxford	64 · 0	48 · 9	54 · 0	52 · 1	2 · 66
Cambridge	65 · 6	48 · 1	54 · 6	53 · 0	2 · 26
Yarmouth	62 · 1	51 · 4	56 · 3	54 · 4	2 · 01

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·3 ins. and more to 30·1 ins. over the Bay of Biscay, France and the southwestern half of our Islands; and 30·1 ins. and more over Finland.
Lowest 29·4 ins. and less in the west of Norway, and below 30·0 ins. over North Germany.
Gradients moderate over our Islands, steep over Scandinavia.
Barometer rising in our Islands and France, falling in Sweden.

TEMPERATURE

Highest 69° at Nice, 66° at Berlin, 65° at Wiesbaden.
Lowest 48° at Haparanda, 51° in the north of Scotland, 52° at York, 53° at Parsonstown, 54° in London.
The daily maxima recorded over Great Britain yesterday were nowhere as high as 70°.

WIND

Moderate to strong from the S.ᵗʰ over the greater part of Scandinavia, W.ly over Germany and the North Sea, S.W.ly over the eastern half of England, N.W.ly at our western stations. It has varied greatly between S. and N.W. over England during the past day.

WEATHER

Clear and bright over Scotland and the east of England, cloudy in the west and southwest of our Islands, with local showers. Rain fell very generally yesterday, but (except in the east of Scotland) the falls were not large. Thunder occurred in a few places.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The complex disturbance which lay over Great Britain yesterday has reached Norway. It has been succeeded by a shallow secondary system which is now crossing England, but in all parts of the United Kingdom and France the barometer is rising decidedly, and the general appearance has improved. Temperature has fallen fast, and the wind is veering.

FORECASTS

For the 24 hours ending at NOON on 16ᵀʰ SEPTEMBER 1891.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	N.W.ly breezes, moderate or light; some showers, bright intervals, cold night
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	S.W.ly to N.W.ly winds; changeable, some rain, cold night.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH	N.W.ly breezes, moderate to light; showery to fair, cold at night.
WARNINGS	None Issued

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.81	57	60	SE	6	c	5
Sumburgh Head	29.61	51	51	N	4	p	4
Stornoway	29.65	58	55	W	3	c	3
Aberdeen	29.64	52	51	NW	4	oqp	3
Shields	29.64	60	60	SW	2	p	2
Ardrossan	29.82	56	54	WSW	3	c	2
Malin Head ...	29.78	56	55	W	4	bcp	3
Mullaghmore ...	29.85	57	52	WSW	5	bcv	3
Belmullet	29.86	58	52	W	3	b	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.85	58	53	NNW	4	bc	3
Valencia	29.55	61	56	WSW	4	bcm	3
Scilly	29.55	55	57	NW	5	c	3
Jersey	29.90	63	62	WSW	4	ognp	3
Dungeness	29.76	63	62	WSW	4	cp	3
London	29.76	65	64	W	3	op	*
Yarmouth	29.74	68	65	SSW	4	bc	3
Rochefort	30.03	71	69	W	5	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Continental information will be issued tomorrow

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.

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

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 Wednesday 16th. Sept: 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.52	57	S	4	0	29.79	-.32	46	45	-2	SSE	4	0	*	53	39	—
	Hernösand ...	29.63	54	SSE	8	7	29.95	-.33	57	49	-4	S	2	6	*	63	50	0.28
	Stockholm ...	29.71	52	SW	2	6	29.72	-.17	52	45	-2	SW	4	6	*	64	48	0.20
	Wisby	29.88	57	WNW	6	6	29.85	-.02	54	50	-4	W	6	6c	*	66	50	0.12
	Bodö	?	61	SSE	6	0	29.62	+.07	47	46	-11	S	2	0	1	68	46	0.08
	Christiansund	29.67	52	W	7	c	29.65	+.39	52	45	-11	SW	5	7	5	?	50	0.33
	Skudesnaes ...	29.87	53	S	6	c	29.81	+.17	52	51	-2	NE	1	7	3	54	50	0.39
	Christiania Fjord (Færder)	29.74	56	W	5	6	29.78	+.26	53	48	-6	W	5	6	4	61	52	0.24
	Skagen (The Skaw)	29.84	53	WNW	6	6c	29.86	+.27	55	57	-3	WNW	6	6	3	59	52	—
	Fanö	30.04	54	W	4	6	30.05	+.18	58	53	0	W	4	c	*	61	54	0.08
BRITISH ISLANDS.	Sumburgh Head	29.81	57	WNW	3	c	29.78	+.05	53	53	+2	WNW	4	0	4	57	49	0.18
	Stornoway ...	29.50	56	NW	5	0	29.50	+.05	56	55	+5	W	5	0	5	57	49	0.09
	Wick	29.50	50	W	1	7	29.52	+.08	55	54	+6	NW	3	0	2	57	49	0.05
	Nairn	29.54	56	W	1	c	29.54	+.07	58	55	+7	SW	2	c	2	60	49	0.01
	Aberdeen ...	30.00	56	SW	2	c	30.00	+.08	55	51	+2	SSE	2	0	2	61	50	—
	Leith	30.07	55	W	2	6c	30.08	+.10	57	55	+3	WSW	3	0	*	62	53	—
	Shields	30.10	57	WNW	3	6c	30.13	+.15	57	54	+3	WSW	2	0	2	63	51	—
	Spurn Head ...	30.14	57	NNW	2	6	30.23	+.17	57	55	+2	WSW	3	c	3	61	53	0.04
	York	30.16	57	W	1	6	30.22	+.17	57	55	+5	SW	1	c	*	62	48	0.04
	Loughborough	30.18	56	WNW	3	6	30.25	+.18	56	53	+3	WNW	2	0m	*	64	49	—
	Ardrossan ...	30.09	56	W	3	0	30.12	?	56	55	-1	W	4	7	3	60	54	—
	Malin Head ...	30.10	56	W	5	0g	30.10	+.08	56	55	+2	WSW	5	0gfd	3	58	54	0.05
	Mullaghmore ...	30.20	55	WSW	6	0m	30.15	+.07	55	55	+2	SW	4	0m	3	58	54	0.01
	Belmullet ...	30.24	58	WSW	3	0	30.18	+.05	55	56	+2	WSW	3	0	*	58	54	0.01
	Donaghadee ...	30.18	55	WNW	2	c	30.15	+.12	56	55	+3	WNW	3	c	1	63	53	0.01
	Liverpool (Bidston)	30.23	56	W	4	0	30.26	+.20	56	52	+3	W	4	0	3	55	53	0.05
	Holyhead ...	30.24	55	W	1	c	30.26	+.20	55	54	+1	SW	3	0g	2	66	55	—
	Parsonstown ...	30.27	55	SW	1	0	30.27	+.05	55	55	+4	SW	1	c	*	60	52	—
	Valencia	30.35	58	W	2	0	30.33	+.05	55	55	+2	WSW	4	0m	4	55	53	0.01
	Roche's Point ...	30.31	55	WNW	3	c	30.33	+.13	55	55	+3	W	2	0	3	66	53	—
	Pembroke (St. Ann's Hd.)	30.30	58	WNW	3	c	30.35	+.22	58	53	+1	WNW	2	0g	3	55	56	—
	Scilly	30.37	55	NW	4	6c	30.35	+.18	55	56	-1	NW	2	0gfdm	4	55	52	—
	Prawle Point ...	30.31	53	NW	4	6c	30.35	+.21	55	55	0	W	1	0g	0	63	49	—
	Jersey (St. Aubin's)	30.30	60	WNW	3	c	30.40	+.14	60	55	0	NW	3	6c	3	63	53	0.01
	Hurst Castle ...	30.24	62	WNW	4	6cm	30.37	+.20	53	51	-6	N	1	cm	2	65	57	0.01
	Dungeness ...	30.18	61	W	5	c	30.32	+.13	55	51	-2	NNW	3	m	2	66	44	—
	London	30.21	61	WNW	2	c	30.34	+.17	50	48	-4	SW	1	0w	*	63	48	0.01
	Oxford	30.28	53	N	2	6	30.33	+.17	52	50	-1	WSW	1	0	*	64	45	—
	Cambridge ...	30.21	57	SW	1	6	30.31	+.16	55	53	0	SW	1	0	*	65	44	—
	Yarmouth ...	30.15	60	WSW	2	6c	30.24	+.12	51	50	-3	WSW	2	6cm	3	64	45	—
GERMANY & HOLLAND.	Cuxhaven ...	30.12	57	WNW	4	6c	30.13	+.24	56	54	-4	NW	3	6	*	62	55	0.16
	Berlin	30.13	59	W	2	6	30.18	+.15	56	54	-10	W	3	6c	*	70	52	0.28
	Wiesbaden ...	*	*	*	*	*	30.25	+.18	53	53	-12	S	0	6	*	68	46	0.08
	Munich	30.30	59	S	0	7	30.32	+.04	55	53	-6	NE	1	7	*	68	54	0.12
	The Helder ...	30.18	60	SW	2	7	30.25	+.14	59	54	+1	NW	2	6	3	63	58	0.08
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.25	+.10	56	55	-1	W	1	f	*	64	52	—
	Cape Gris Nez	30.20	59	SW	4	c	30.25	+.13	55	53	+2	NNW	3	m	4	63	54	—
	Paris	30.25	58	W	2	6	30.35	+.05	55	54	0	NW	2	6	*	70	51	—
	Brest	?	60	NNW	3	6c	?	?	54	53	-7	NE	1	c	2	64	52	—
	Lorient	30.32	63	WNW	3	6c	30.42	+.11	55	53	-5	N	3	6	3	64	54	—
	Rochefort ...	30.34	66	NW	3	6	?	?	58	55	+1	NNE	3	6	*	70	55	—
	Belfort	30.26	66	N	1	6c	30.30	?	59	48	-2	NE	1	6	*	?	45	—
	Lyons	30.26	66	N	1	c	30.30	+.05	57	52	-4	N	4	6c	*	70	51	—
	Nice	30.11	66	W	1	6	30.07	-.12	61	60	-8	E	1	6c	1	75	56	—
	Perpignan ...	30.22	73	WNW	2	0	30.26	+.01	63	56	-3	NW	4	6c	*	72	60	—
	Biarritz	30.38	67	NNW	4	0	30.34	+.08	60	57	-4	ESE	3	6	2	?	57	0.16
PENINSULA.	Corunna	*	*	*	*	*	30.28	-.05	65	60	+2	N	4	6	5	77	63	—
	Lisbon	30.27	66.	NNW	5	6												

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Wednesday, 16th Sept. 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

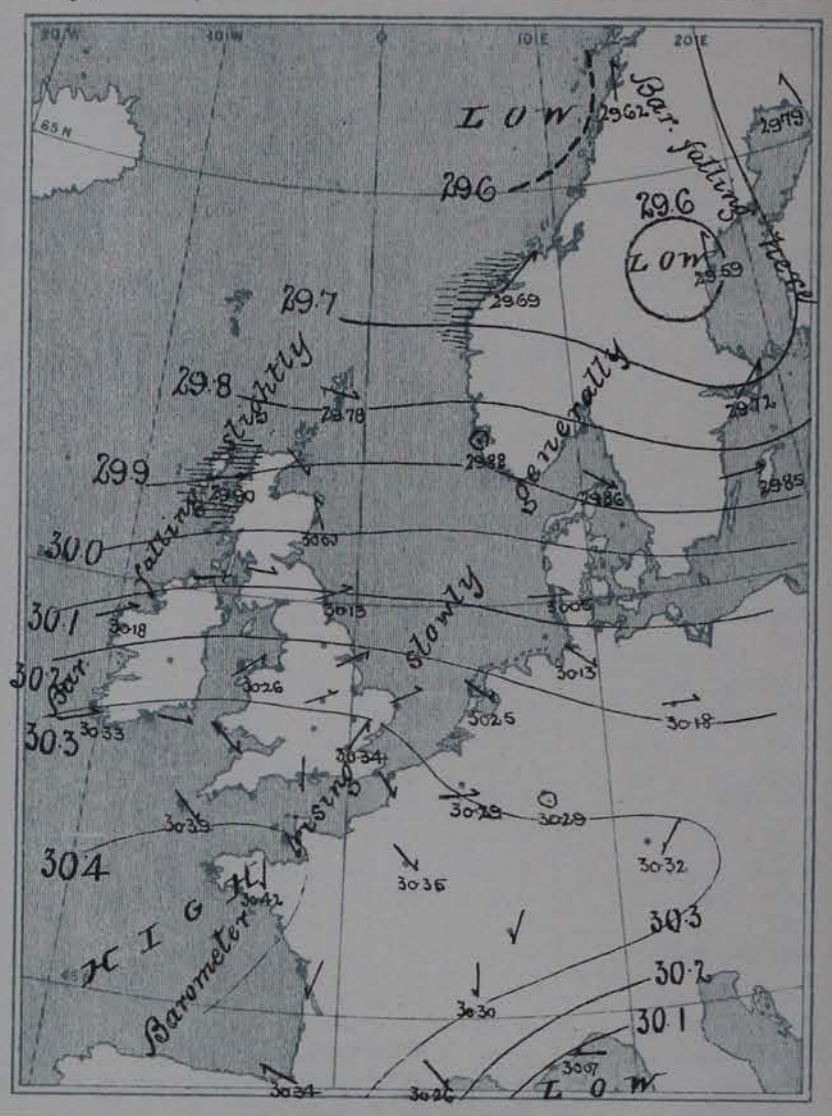
WIND—Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·998
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948



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

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

WEATHER is shown by Letters of the Beaufort Scale

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	at 8 a.m. Wet.	RAINFALL (Inches)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	1·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·1	52·7	55·5	53·8	2·62
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·0	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·1	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins. to 30·4 ins. in a large anticyclone lying over France, the Bay of Biscay, the southern parts of our Islands and the north of Spain.

Lowest, 29·6 ins. and less, in two depressions — one lying over Central Sweden and the other off the northwest of Norway.

Gradient slight. Barometer rising generally, but falling slightly in the extreme west of our Islands as well as in Sweden.

TEMPERATURE

Highest 65° at Lerlow, 63° at Perpignan, 61° at Nice, 60° at Jersey and Biarritz, and 59° at Valencia Island, the Helder, and Belfort.

Lowest, 46° at Haparanda, 47° at Bodö, 50° in London, 51° at Hernösand, and 52° at Stockholm, Christiansund, Skudesnaes and Oxford.

The maxima registered yesterday were below 65° in most parts of the United Kingdom, and below 60° at many of our western stations.

WIND

Light or moderate from the W.ward or SW.ward over the greater part of our Islands and the North Sea; fresh or strong from the same quarters over the southern parts of Scandinavia, light from the S.ward in the north of Scandinavia.

Light from the NW.ward at the Channel stations, and from the N.ward over the greater part of France.

WEATHER

Dull in most parts of the United Kingdom, with showers at some of our western stations, rainy in the west of Norway.

Fine in Sweden, Denmark, Germany, the Netherlands, and France.

Showers fell yesterday in many parts of our Islands, and considerable amounts of rain at some of the Scandinavian stations.

SEA

Moderate to smooth generally, but rather rough at Christiansund and Stornoway.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Depressions are likely to skirt our extreme western coasts, and showers are probable in Ireland and Scotland. Over England, however, the weather is likely to remain fair, with some increase in temperature.

FORECASTS

For the 24 hours ending at NOON on 17TH SEPT 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W. to SW. winds, moderate; cloudy, local showers.	6 SCOTLAND WEST	Same as No. 0 and 1.
1 SCOTLAND EAST		7 ENGLAND N.W.	Same as No. 2
2 ENGLAND N.E.	SW. winds, light; fair generally.	8 ENGLAND S.W.	W. to SW. winds, light; fair generally.
3 ENGLAND EAST	W. and SW. winds, light; fine, warmer.	9 IRELAND NORTH	SW. winds, moderate or fresh; cloudy, some showers.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.81	53	50	W	6	7c	4
Sumburgh Head	29.76	54	51	WNW	3	6c	4
Stornoway	29.89	55	54	W	5	0	4
Aberdeen	29.58	58	50	W	4	6c	2
Shields	30.05	61	53	WNW	3	6c	2
Ardrossan	?	58	54	W	3	0	2
Malin Head ...	30.08	56	54	W	5	0 g	3
Mullaghmore ...	30.18	58	55	WSW	6	0 m	4
Belmullet	30.20	55	56	WSW	3	0	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	30.21	55	55	NW	3	6	2
Valencia	30.34	53	55	WSW	3	0 m	3
Scilly	30.31	56	54	NW	4	6c	4
Jersey	30.27	63	55	W	3	c	3
Dungeness	30.18	63	58	WSW	4	c	3
London	30.17	62	53	SW	3	c	*
Yarmouth	30.13	64	55	W	3	c fb	3
Rochefort	30.35	65	60	NNW	3	b	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine and bright over Finland, Russia, southeastern and central Europe, as well as over the Mediterranean, Spain and some parts of the British Islands, cloudy and unsettled over the Baltic, Scandinavia, the North Sea and some parts of England, with rain in places. Rain later over the greater part of northern and central Europe and several parts of the British Islands, but amounts small at our own stations. Night clear over England.

Temperature fallen generally over western Europe. Morning readings higher (70° and more) over Italy and the other mediterranean districts only, exceeding 60° on the Spanish coasts and in the west of France, in Germany and at Christiansund; below 60° over the British Islands and North Sea. Lowest 39° at Archangel, 42° at Ulealong, 44° at Moscow, Kiev and Nicolaieff. Not exceeding 66° at any of the British or Irish stations later, but touching 70° at Berlin and Paris and exceeding that value in the south of France.

Wind variable from the W^ly (SW to NW) over the United Kingdom and North Sea, light to fresh in force; W^ly and SW^ly over Germany, S^ly to SE^ly over the Baltic and Scandinavia. Very light and variable over southern and southeastern Europe. Becoming W^ly to NW^ly over England later.

Barometer. Highest 30.3 ins. and more to 30.2 ins. over the Bay of Biscay, Spain and France, and 30.2 ins. and more over southern Russia and Finland. Lowest 29.4 ins. and less in a "V" shaped depression over Norway, and below 30.1 ins. over Hungary. Rising throughout western Europe all day; northern depression moving northeastwards.

Remarks on the Weather for the 24 hours ending at 8 am on 15th Sept. 1891.

Weather fine and very bright over northern, eastern and central Europe, but unsettled and showery over the British Islands and the north and west of France and the Iberian peninsula though temporarily clear at the Irish stations. Showers over the United Kingdom generally later, and slight thunderstorms in a few places.

Temperature risen over France, western Germany and some parts of England, fallen decidedly over the western portions of the British Islands. Morning reading still exceeding 70° over the greater part of the Mediterranean and exceeding 60° over France the southern and eastern parts of the British Islands, and on the various shores of the North Sea. Lowest (1) 40° to 46° over southern and western Russia and Poland; (2) 46° to 48° over northern Russia and Finland; (3) 53° to 55° over the greater part of Ireland. Fall of temperature extending to England later; night cold and clear.

Wind SE^ly to E^ly on the eastern shores of the North Sea, very variable and anticyclonic over Russia, Germany and France; S^ly to SW^ly over England, NW^ly over Ireland and the Irish Channel, W^ly over the Bay of Biscay. The NW^ly wind spreading eastwards over Ireland later, but "backing" in Ireland.

Barometer Highest 30.4 ins. and more to 30.2 ins. over the southern and western parts of Russia, and 30.1 ins. to 30.0 ins. over the Spanish Peninsula and adjacent parts of Atlantic. Lowest 29.7 ins. and less in a "V" shaped depression over the northern half of Great Britain, and 29.9 ins. and less near the mouth of the Straits of Gibraltar. Rising all over western Europe later but falling over Scandinavia as the British depression moved northeastward.

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.

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

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 Thursday 17th September, 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.†	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 6.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.68	50	S	2	0	29.55	-.24	49	47	+3	SW	2	0	*	52	45	2.24
	Hernösand ...	29.66	47	SW	2	bc	29.47	-.12	46	45	-5	Z	0	0	*	50	46	—
	Stockholm ...	29.70	50	W	2	bc	29.55	-.17	50	50	-2	WSW	2	f	*	61	43	—
	Wisby	29.76	56	WNW	4	b	29.60	-.22	56	54	+2	WSW	4	0	*	61	50	—
	Bodö	29.74	45	S	4	0	29.64	+.02	44	42	-3	S	6	bc	3	48	43	—
	Christiansund	29.54	?54	SW	5	r	29.33	-.36	48	45	-4	SW	9	r	5	54	48	0.75
	Skudesnaes ...	29.82	57	SSW	6	0	29.65	-.23	53	48	+1	NW	5	0	4	57	52	0.82
	Christiania Fjord (Færder)	29.73	56	WSW	3	c	29.49	-.29	58	56	+5	SSW	5	0	4	?	53	—
	Skagen (The Scaw)	29.78	55	WNW	6	b	29.60	-.26	55	55	0	W	5	0	3	61	54	—
	Fanö	30.00	58	WSW	5	c	29.85	-.20	59	56	+1	W	5	c	*	61	57	—
BRITISH ISLANDS.	Sumburgh Head	29.64	53	WSW	6	r	29.69	-.09	51	47	-2	WNW	3	bc	5	57	48	0.28
	Stornoway ...	29.76	57	W	7	r	29.75	-.11	51	50	-5	Z	0	0	3	59	47	0.20
	Wick	29.75	58	NW	4	0	29.75	-.13	52	50	-5	NW	3	0	2	60	47	0.15
	Nairn	29.80	56	SW	3	c	29.78	-.16	58	53	-5	Z	0	fd	1	62	52	0.09
	Aberdeen ...	29.89	57	SSW	2	c	29.82	-.18	52	51	-3	NNE	2	bdp	2	63	52	0.04
	Leith	30.00	56	WSW	4	c	29.84	-.24	60	57	+3	WSW	5	0	*	61	56	—
	Shields	30.08	57	SW	2	cp	29.90	-.23	59	55	+2	SW	4	0	2	60	54	0.03
	Spurn Head ...	30.15	60	WSW	4	0	30.00	-.23	59	55	+2	SW	5	b	4	60	54	—
	York	30.17	58	WSW	1	0	30.02	-.20	59	56	+2	SW	2	bc	*	63	52	0.01
	Loughborough	30.20	58	WSW	1	0	30.08	-.17	57	54	+1	WSW	3	cm	*	63	53	—
	Ardrossan ...	30.05	58	W	3	0	29.89	-.25	57	56	+1	SW	4	pm	3	59	55	0.11
	Malin Head ...	30.00	58	SW	5	0p	29.84	-.26	57	57	+1	WSW	3	od	3	62	56	0.16
	Mullaghmore ...	30.08	60	SW	5	0	29.89	-.30	58	58	+1	SW	5	otm	3	63	56	0.03
	Belmullet ...	30.07	58	SW	5	odu	29.91	-.27	57	57	0	WSW	3	om	*	59	57	0.08
	Donaghadee ...	30.10	60	W	3	c	29.91	-.28	58	57	+2	W	5	c	3	65	56	—
	Liverpool (Bidston)	30.21	58	WSW	2	0	30.04	-.22	61	58	+5	W	2	0	3	62	55	—
	Holyhead ...	30.21	58	SW	4	c	30.03	-.23	58	58	+1	SW	4	cq	3	62	56	—
	Parsonstown ...	30.15	59	Z	0	c	30.00	-.27	59	57	+2	SW	2	b	*	61	56	0.01
	Valencia	30.22	58	SSW	5	om	30.06	-.27	59	58	0	WSW	5	om	5	61	57	0.05
	Roche's Point ...	30.27	59	WSW	4	c	30.11	-.22	59	58	+2	WSW	4	0	4	61	57	0.01
	Pembroke (St. Ann's Hd.)	30.25	58	WSW	4	c	30.14	-.21	58	58	0	SW	5	dm	4	61	57	0.03
	Scilly	30.34	59	W	2	c	30.25	-.14	60	58	+3	SW	4	cw	4	62	55	—
	Prawle Point ...	30.35	57	SW	3	0	30.25	-.14	59	58	+2	SW	3	c	2	59	56	—
	Jersey (St. Aubin's)	30.38	66	WNW	3	om	30.32	-.08	61	55	+1	W	3	cgm	3	63	57	—
	Hurst Castle ...	30.32	62	W	4	og	30.24	-.13	61	59	+8	W	5	c	2	62	58	—
	Dungeness ...	30.29	60	W	3	0	30.20	-.12	61	57	+6	WNW	3	c	3	65	54	—
	London	30.29	59	SW	1	0	30.18	-.16	58	55	+8	WSW	3	bc	*	63	49	—
	Oxford	30.28	55	WSW	2	c	30.18	-.15	57	55	+5	WSW	3	b	*	60	52	—
	Cambridge ...	30.26	56	SW	1	0	30.13	-.18	58	56	+3	SW	1	b	*	64	49	—
	Yarmouth ...	30.21	60	W	3	bc	30.10	-.14	55	54	+4	W	4	bc	3	63	50	—
GERMANY & HOLLAND.	Cuxhaven ...	30.27	57	WNW	4	c	30.05	-.08	60	59	+4	W	4	0	*	63	56	—
	Berlin	30.16	57	Z	0	c	30.07	-.11	58	55	+2	W	4	0	*	63	55	—
	Wiesbaden ...	*	*	*	*	*	30.24	-.05	55	53	+2	Z	0	b	*	64	52	—
	Munich	30.34	51	Z	0	b	30.30	-.02	48	47	-7	SW	2	b	*	59	43	—
	The Helder ...	30.23	61	W	2	0	30.10	-.15	60	59	+1	W	3	0	3	61	59	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.23	-.06	55	53	-1	WSW	4	c	*	66	51	—
	Cape Gris Nez	30.30	58	W	3	0	30.15	-.10	60	58	+3	W	4	0	5	63	54	—
	Paris	30.32	63	N	2	b	30.23	-.02	52	50	-3	SE	1	b	*	68	46	—
	Brest	?	60	NW	1	0	?	?	60	59	+6	SW	2	0	3	64	52	—
	Lorient	30.35	61	N	1	0	30.36	-.06	59	54	+4	Z	0	0	2	63	54	—
	Rochefort ...	?	65	NNW	3	0	?	?	56	55	-2	NE	3	c	2	72	54	—
	Belfort	?	67	NE	4	0	?	?	59	48	-2	SW	2	b	*	77	43	—
	Lyons	30.26	62	N	2	bc	30.30	0.0	55	50	-2	N	1	b	*	68	50	—
	Nice	30.02	70	ESE	1	c	30.08	+.01	67	61	+6	E	1	bc	1	81	61	—
	Perpignan ...	30.26	68	NW	3	b	30.24	-.02	62	59	-1	NW	2	b	*	73	57	—
	Biarritz	30.34	64	N	3	0	?30.30	-.04	64	60	+4	NE	3	0	2	70	59	—
PENINSULA.	Corunna	*	*	*	*	*	30.17	-.06	68	59	+3	NNE	3	b	3	82	64	—
	Lisbon																	

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Thursday, 17th Sept., 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

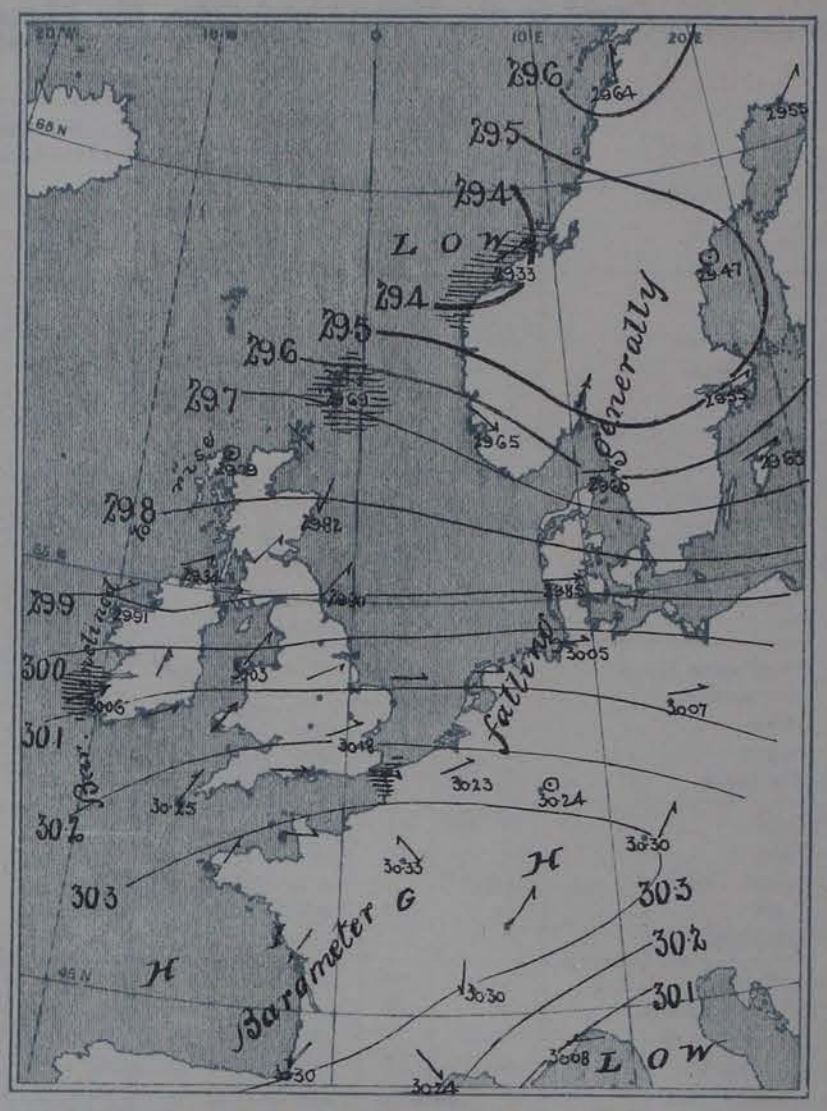
BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

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

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

SEA DISTURBANCE—Where considerable, is shewn thus:

= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

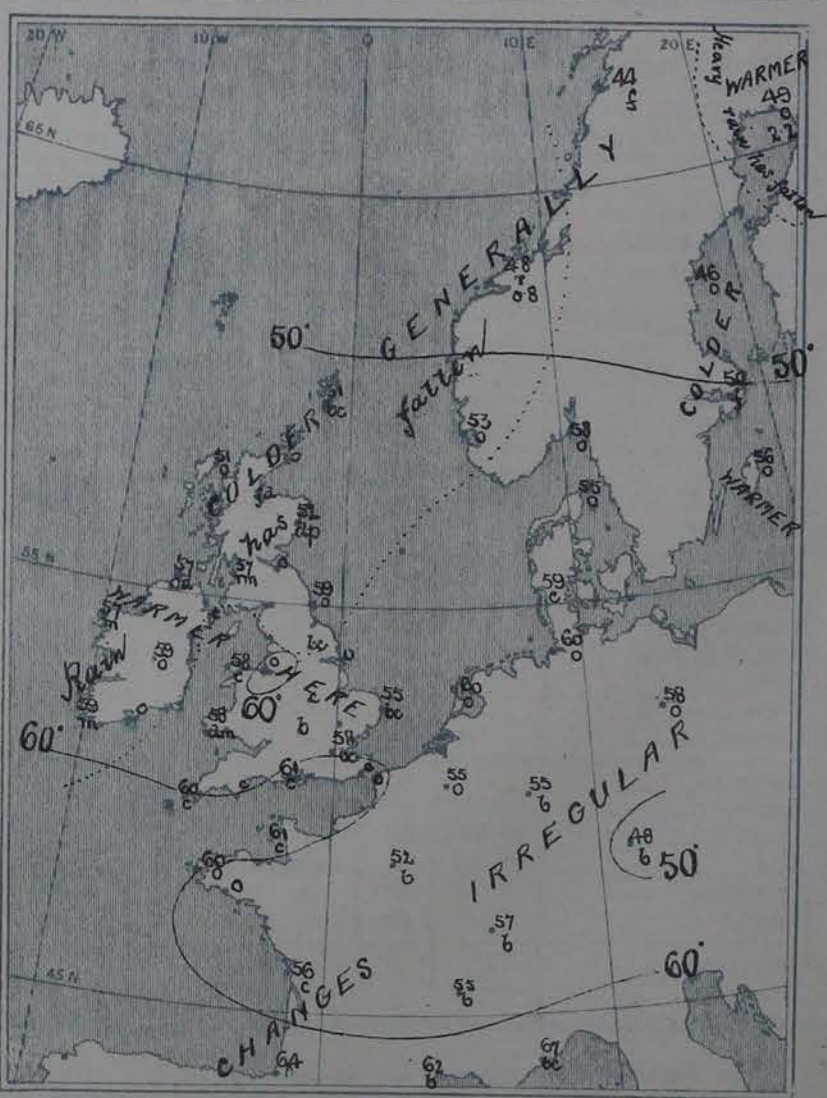
STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·947
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·968
Jersey	29·988
Hurst Castle	29·994
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948

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

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

WEATHER is shown by Letters of the Beaufort Scale.

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



MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	RAINFALL (Inches).
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	1·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·6	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·1	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·9	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·1	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	55·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins. and upwards, in an anticyclone lying over the Bay of Biscay and the greater part of France.
Lowest, 29·4 ins. and less, in a depression lying off the west of Norway.
Gradients slight generally, but moderate over Denmark and the Baltic.
Barometer falling at most stations, but rising in the north of Scotland and inclined to rise at Valencia Island.

TEMPERATURE

Highest, 68° at Lisbon, 67° at Nice, 64° at Biarritz, 62° at Perpignan, and 61° at Jersey, Hurst Castle and Dungeness.
Lowest, 44° at Bodö, 46° at Hernösand, 48° at Christiansund and Munich, 49° at Haparanda, and 50° at Stockholm.
The maxima registered over our Islands yesterday were below 65° in nearly all districts.

WIND

Moderate to fresh from the SW.ly over the greater part of our Islands, but light from the NW.ly in the extreme north of Scotland.
Fresh from the W.ly over Denmark, the Baltic, and north Germany; strong to a gale from SW. in the west of Norway.
Light from the NE.ly over the southern parts of France.

WEATHER

Fine at several of the English stations, as well as over South Germany and the central and southern part of France.
Dull elsewhere, with rain in many parts of Ireland and Scotland, as well as in the west of Norway.
Since yesterday morning slight rain has fallen at many of our western and northern stations.

SEA

Slight or smooth generally, but rather rough at Christiansund, Scarborough Hd., Valencia Island and Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Although the barometer is inclined to rise in the west the wind shows very little disposition to veer, and it is therefore not unlikely that another depression will shortly advance from the Atlantic. Showery weather will probably extend gradually to all parts of the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on SEPT 18th 1891.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW. winds, light, to SW. strong; fair to dull and some rain.
1 SCOTLAND EAST	SW. winds, moderate or fresh; cloudy, showery.
2 ENGLAND N.E.	
3 ENGLAND EAST	W. and SW. winds, fresh; fair to showery.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	SW. winds, freshening; dull, rain at times.
7 ENGLAND N.W.	Same as No. 1 and 2.
8 ENGLAND S.W.	
9 IRELAND NORTH	SW. winds, fresh or strong; dull, rain at times.
10 IRELAND SOUTH	
WARNINGS	The SOUTH CONE was hoisted last evening in districts 0, 6, 9, and parts of 8 and 10.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.85	56	55	W	6	o	4
Sumburgh Head	29.73	54	54	WNW	4	p	5
Stornoway	29.83	56	55	W	6	p	5
Aberdeen	29.95	62	56	SW	3	o	2
Shields	30.11	60	56	SW	3	p	2
Ardrossan	30.08	58	56	W	3	c	3
Malin Head ...	30.03	62	58	SW	5	c p	3
Mullaghmore ...	30.12	61	55	SW	6	o	4
Belmullet	30.13	55	55	WSW	5	o	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	30.24	61	58	SW	4	c	3
Valencia	30.28	60	55	SSW	5	o m	4
Scilly	30.30	61	56	SW	2	c	4
Jersey	30.41	62	56	NW	3	o q	3
Dungeness	30.32	61	55	SSW	3	c	2
London	30.31	63	55	WSW	2	o	*
Yarmouth	30.24	63	55	W	3	bc	3
Rochefort	30.36	68	55	NNW	4	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine and bright over Spain, the greater part of France the Netherlands, and north Germany; Denmark, and the southern half of Sweden, cloudy or overcast elsewhere, including the majority of the Algerian and Mediterranean stations, showers in several parts of Norway and the British Islands, and in some parts of Hungary. A little rain later at the Irish and Scotch stations, and a considerable fall in the Shetlands, Norway, and the north of Sweden, but none over the greater part of England, Germany, and France.

Temperature. Highest morning readings 70° to 79° at most of the Mediterranean and Adriatic stations, much lower elsewhere. Below 60° over France, the United Kingdom, the North Sea and Baltic, and lowest of all 33° at Archangel, 39° at St Petersburg, 41° at Moscow, 45° at Kuopio, and 46° at Kharkov and Haparanda. Not reaching 65° in any part of England later but rising to between 68° and 80° over France, and to 82° at Perlon.

Winds variable from the W^rd over the United Kingdom, the North Sea, and Baltic, SE^ly over Finland and Lapland; variable over Russia, and mainly NE^ly over southern Europe. Very variable over the Mediterranean, but chiefly NW^ly at the Algerian stations. Veering to the SW^rd on our western coasts later and freshening considerably; becoming strong from the W^rd in the Shetlands and Hebrides.

Barometer highest 30·4 ins: and more to 30·2 ins: in an anticyclone spreading in from the Atlantic over western Europe, and 30·1 ins: and more to 30·0 ins: over Russia. Lowest 29·7 ins: and less, in a large depression off the west of Norway, and in a secondary disturbance near Hernösand, 30·0 ins: and less, over Poland, Hungary, and western Russia, and also in a small depression lying between Sardinia and the Tunisian coast. Falling somewhat over the British Islands and northwestern Europe during the day as a new low pressure area approached the north of Europe 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.

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

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 Friday 18th September. 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom. Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Wet.	Difference from 8 a.m. yesterday.	Wind. Direc.	Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.41	47	SE	4	c	29.37	-.18	42	41	-7	E	2	0	*	61	?	—
	Hernösand ...	28.92	47	NW	4	c	29.45	-.02	45	41	-1	W	6	6	*	54	37	0.20
	Stockholm ...	29.44	46	W	6	6	29.57	+.02	46	41	-4	WNW	4	6	*	59	32	0.08
	Wisby	29.54	55	NNW	8	6	29.65	+.02	51	46	-5	NW	6	6	*	61	50	0.08
	Bodö	29.30	45	SSW	1	0	29.29	-.35	41	40	-3	SW	4	7	2	52	39	0.24
	Christiansund	29.57	48	WNW	7	7	29.56	+.23	45	41	-3	W	6	7	6	48	45	0.43
	Skudesnaes ...	29.76	50	NNW	2	0	29.65	0.0	52	47	-1	SE	4	0	3	55	45	—
	Christiania Fjord (Færder)	29.59	57	WNW	3	6	29.60	+.16	50	44	-8	WNW	3	6	3	63	50	—
	Skagen (The Scaw)	29.63	55	WNW	1	c	29.65	+.05	53	48	-2	WNW	1	6c	1	61	46	—
	Fanö	29.78	57	WSW	4	0	29.75	-.10	57	57	-2	WSW	1	7	*	61	54	0.04
BRITISH ISLANDS.	Sumburgh Head	29.76	46	NNE	1	0	29.41	-.28	58	53	+2	SW	4	7	4	54	48	0.26
	Stornoway ...	29.70	51	SE	3	0	29.52	-.27	56	55	+5	W	4	6c	4	56	49	0.01
	Wick	29.76	53	S	2	0	29.55	-.24	56	54	+4	NW	4	c	3	58	50	0.05
	Nairn	29.73	52	S	0	7	29.60	-.18	57	54	+4	W	2	c	2	57	49	0.08
	Aberdeen ...	29.78	50	ESE	2	0	29.59	-.23	60	56	+8	WSW	2	6c	1	60	50	0.05
	Leith	29.78	59	SW	3	0	29.69	-.15	57	55	-3	WSW	4	c	*	62	56	0.01
	Shields	29.81	61	WSW	2	0	29.73	-.17	61	59	+2	SW	3	c	2	64	56	—
	Spurn Head ...	29.90	62	WSW	4	c	29.80	-.20	61	59	+2	WSW	3	0	3	67	57	—
	York	29.80	60	WSW	1	0	29.80	-.22	62	56	+3	WSW	3	0	*	67	54	0.02
	Loughborough	29.95	62	WSW	4	0	29.85	-.23	62	60	+5	WSW	2	0m	*	68	56	—
	Ardrossan ...	29.86	58	W	2	0p	29.73	-.14	57	55	0	WSW	3	0	2	59	55	0.05
	Malin Head ...	29.78	57	W	2	0	29.72	-.12	56	53	-1	WSW	5	0dp	3	58	54	0.11
	Mullaghmore ...	29.80	59	SW	4	5m	29.77	-.10	58	56	0	SW	5	0	3	61	55	0.08
	Belmullet ...	29.80	58	WSW	3	0m	29.75	-.12	58	56	+1	WSW	3	0	*	59	55	0.08
	Donaghadee ...	29.84	61	SW	1	c	29.82	-.09	57	55	-1	SW	3	c	1	62	57	—
	Liverpool (Bidston)	29.72	60	SW	2	0	29.85	-.17	60	59	-1	W	3	0	3	65	58	—
	Holyhead ...	29.72	58	SW	4	mog	29.88	-.15	60	59	+2	WSW	3	c	3	60	57	0.13
	Parsonstown ...	29.85	61	SW	1	0	29.85	-.11	57	56	-2	S	0	c	*	62	56	0.03
	Valencia	29.95	60	WSW	4	7m	29.95	-.11	58	58	-1	W	1	0	1	61	57	0.16
	Roche's Point...	29.54	59	WSW	4	0m	29.53	-.18	58	56	-1	WSW	2	c	3	60	57	—
	Pembroke (St. Ann's Hd.)	30.03	58	SW	5	7	29.95	-.15	58	57	0	WSW	4	0m	4	60	58	0.43
	Scilly	30.12	60	SW	5	m	30.03	-.22	60	59	0	WSW	4	m	4	64	57	0.12
	Prawle Point ...	30.15	58	WSW	4	0	30.04	-.21	59	59	0	WSW	4	f	3	62	55	0.42
	Jersey (St. Aubin's)	30.24	63	W	3	6cm	30.12	-.20	61	59	0	SW	5	0gmd	4	65	59	—
	Hurst Castle ...	30.13	60	WSW	6	cg	29.99	-.25	60	60	-1	WSW	7	0m	4	64	59	0.20
	Dungeness ...	30.09	62	W	6	c	29.95	-.25	61	61	0	W	7	7	6	66	59	0.22
	London	30.07	61	SW	3	c	29.95	-.23	61	60	+3	SW	3	0	*	65	57	0.11
	Oxford	30.04	60	WSW	4	0	29.54	-.24	61	60	+4	WSW	2	7	*	64	57	0.03
	Cambridge ...	30.03	61	WSW	3	c	29.51	-.22	64	61	+6	SW	1	0	*	68	56	—
	Yarmouth ...	29.99	63	W	4	c	29.88	-.22	61	60	+6	SW	2	0d	2	66	55	0.01
GERMANY & HOLLAND.	Cuxhaven ...	29.94	59	W	5	0	29.86	-.15	60	59	0	W	4	7	*	63	58	0.20
	Berlin	29.99	60	W	5	0	29.92	-.15	57	56	-1	W	4	7	*	63	55	0.08
	Wiesbaden ...	*	*	*	*	*	30.12	-.12	58	54	+3	SW	2	0	*	64	55	—
	Munich	30.24	53	SW	3	6	30.23	-.07	51	49	+3	W	2	0	*	63	46	—
	The Helder ...	29.99	62	SW	3	0	29.90	-.20	61	60	+1	WSW	2	0	3	63	60	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.04	-.15	54	54	-1	SW	6	7	*	62	58	—
	Cape Gris Nez	30.10	60	WSW	6	c	29.99	-.20	59	59	-1	WSW	6	7	6	63	55	0.43
	Paris	30.25	59	W	2	0	30.15	-.14	56	53	+4	SSW	2	0	*	62	52	—
	Brest	?	65	WSW	3	6	?	?	60	60	0	WSW	4	m	4	68	59	—
	Lorient	30.28	63	W	3	6c	30.21	-.15	61	56	+2	WSW	4	0	4	66	59	—
	Rochefort ...	!	64	NW	3	6	?	?	55	54	-1	N	2	6	*	72	50	—
	Belfort														*			
	Lyons	30.24	60	NNW	1	6c	30.26	-.04	53	49	-2	WNW	2	6	*	70	47	—
	Nice	30.09	67	S	0	c	30.10	+.02	67	58	0	E	2	6	2	75	61	—
	Perpignan ...	30.18	69	NW	2	6	30.15	-.05	59	55	-3	W	1	6	*	77	52	—
	Biarritz	30.27	66	NNE	4	6	30.25	-.05	60	56	-4	SSE	1	6	2	70	58	—
PENINSULA.	Corunna	*	*	*	*	*	30.10	-.07	65	58	+1	NNE	4	6	2	84	66	—
	Lisbon	30.10	74	NNW	4	6												

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Friday, 18th Sept. 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

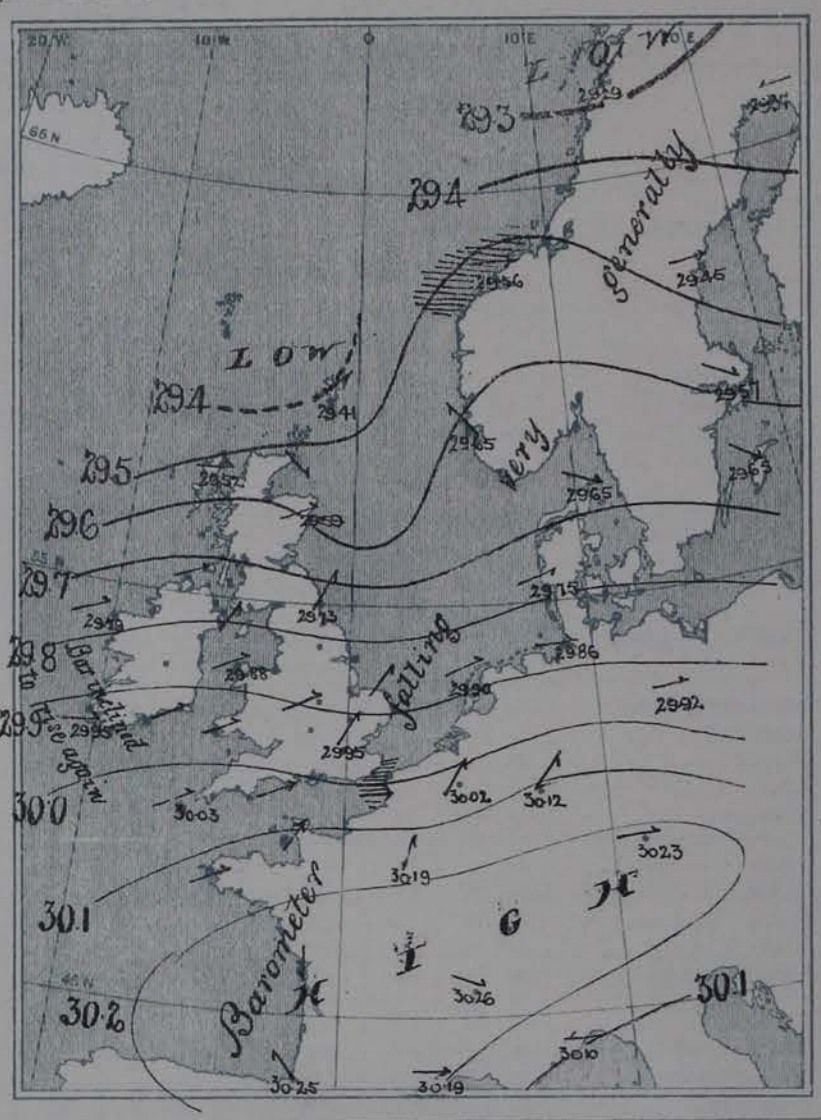
WIND—Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·923
Liverpool	29·935
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·993
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·943



TEMPERATURE, & WEATHER AT 8 A.M.

WITH RAINFALL IN PAST 24 HOURS.

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry	at 8 a.m. Wet	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	4·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·53
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·9	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest, 30·2 ins: and upwards, in an anticyclone lying over the Bay of Biscay, the greater part of France, and the south of Germany. Lowest, 29·3 ins: and less, in a depression lying off the northwest of Norway; 29·4 ins: and less, in another disturbance lying to the northward of Scotland. Gradients slight. Barometer falling generally but rising at some of the Scandinavian stations, and inclined to rise at Valencia Island.

TEMPERATURE — Highest, 69° at Jersey, 67° at Nice, 64° at Cambridge, 62° at York and Loughborough, and 61° at Shields, Spurn Hd, Dungeness, Oxford, London, Yarmouth. Lowest, 41° at Bodö, 42° at Haparanda, 45° at Hernösand and Christiansund, 46° at Stockholm and 50° at Tarder. The highest maxima registered over our Islands yesterday were 68° at Cambridge and 67° at Spurn Hd and York.

WIND — W^ly or SW^ly over the greater part of northwestern Europe, light or moderate in force generally, but strong over the eastern parts of the Channel, as well as at some of the Scandinavian stations. Light and variable over the southern parts of France.

WEATHER — Fine over the greater part of Scotland, as well as in Sweden and the south of France. Cloudy or overcast elsewhere, with rain in the Shetlands, the west of Norway, the southeast of England, Belgium and North Germany. Since yesterday morning rain has fallen in nearly all parts of northwestern Europe.

SEA — Moderate to smooth generally, but rough in the Straits of Dover as well as at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Depressions are still skirting our western and northern coasts, but the systems hitherto observed have been of very little depth, and there are at present no indications of the advance of anything more serious.

FORECASTS

For the 24 hours ending at NOON on 19th SEPT 1891.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	W^ly and SW^ly winds, moderate; fair to showery.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	SW^ly winds, moderate; cloudy, some showers.
5 ENGLAND SOUTH	SW^ly and W^ly winds, moderate inland, strong on coast; cloudy, some showers.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W.	SW^ly winds, moderate or fresh; cloudy, some showers.
9 IRELAND NORTH 10 IRELAND SOUTH	SW^ly winds, freshening; dull, some rain.
WARNINGS	The SOUTH CONE has been lowered this morning in districts 6, 9 and part of 10.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.71	53	48	NW	6	c	4
Sumburgh Head	29.76	50	46	WNW	2	c	4
Stornoway	29.76	53	51	S	3	o	3
Aberdeen	29.82	51	50	ENE	2	odp	2
Shields	29.85	63	58	WSW	4	o	2
Ardrossan	29.82	58	55	W	3	o	2
Malin Head ...	29.81	55	50	WSW	4	o	3
Mullaghmore ...	29.87	58	58	SW	4	om	3
Belmullet	29.86	59	58	SW	2	o	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.96	59	58	SW	5	og	4
Valencia	29.98	59	55	SSW	6	omd	5
Scilly	30.17	64	61	SW	4	c	4
Jersey	30.28	65	59	SW	4	bc	3
Dungeness	30.12	63	60	W	6	c	5
London	30.13	65	61	SW	2	o	*
Yarmouth	30.02	66	60	W	4	c	3
Rochefort	30.24	68	63	NNE	3	c	2

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine and bright over the greater part of the Mediterranean, Spain, France, and Western Germany, and also in some parts of England, cloudy more or less elsewhere, with rain in various parts of Ireland, Scotland, and the Baltic Provinces. Rain falling during some part of day over the greater part of the North Sea, Scandinavia, and North Germany, and general condition over Western Europe becoming less fair than of late.

Temperature remaining above 70° (for 8 am) at most of the Mediterranean stations, much lower elsewhere; below 60° over the greater part of France, the British Islands and Central Europe and below 50° over northern Europe. Lowest of all 26° at Archangel, 35° at Moscow, 42° at Helsingfors, 44° at Bodö, and Hernösand and Riga. Rising to between 60° and 68° over the British Islands, Germany, and the northern half of France later, to 79° at Nice, and to 84° at Lisbon.

Wind SW³ to W³ over the British Isles, North Sea, and the Baltic, more S³ over the northern half of Norway and blowing a gale at Christiansund; variable and anticyclonic over the Bay of Biscay and France, and chiefly NE³ over southern Europe, N³ in Algeria. Backing somewhat over the United Kingdom, but not changing much in force.

Barometer highest 30·3 ins: and more to 30·1 ins: in an anticyclone covering the greater part of Western and Central Europe, exceeding 29·9 ins: at Archangel. Lowest 29·4 ins: and less, in a depression near Christiansund and below 29·6 ins, in a secondary "hollow" extending thence over the whole of Scandinavia and the Gulf of Bothnia; below 29·9 ins: over southern Russia and the Crimea, and below 30·0 ins: over Sicily, south of Italy; and neighbouring parts of Mediterranean. Falling in our Islands later, rising in Norway.

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.

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

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 Saturday 19th September. 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.39	42	S	0	6	29.42	+.05	47	45	+5	S	2	0	*	48	39	0.28
	Hernösand ...	29.46	51	S	2	C	29.37	−.08	48	45	+3	WSW	2	C	*	63	37	—
	Stockholm ...	29.60	48	S	2	C	29.44	−.13	55	53	+9	WNW	4	C	*	57	41	0.20
	Wisby	29.66	50	S	4	6	29.54	−.11	58	53	+7	W	8	6	*	?	46	0.12
	Bodö	29.36	35	W	1	C	29.34	+.05	40	39	−1	S	1	C	1	43	32	0.28
	Christiansund	29.33	45	ENE	3	7	29.38	+.02	45	40	0	WSW	6	C	5	46	48	0.67
	Skudesnaes ...	29.55	56	W	5	0	29.65	+.04	56	54	+4	WNW	5	0	4	?	52	0.16
	Christiania Fjord (Færder)	29.48	57	WSW	3	0	29.54	−.11	58	54	+8	WSW	5	6	4	?	?	0.12
	Skagen (The Scaw)	?	55	WSW	4	7	?	?	56	53	+3	WNW	6	6	3	59	52	0.12
	Fanö	29.75	58	WSW	4	C	29.85	+.10	59	56	+2	W	4	bc	*	61	57	0.08
BRITISH ISLANDS.	Sumburgh Head	29.43	52	W	4	0	29.61	+.20	53	52	0	W	3	C	5	56	47	0.11
	Stornoway ...	29.56	54	W	5	7	29.66	+.14	52	51	−4	W	4	bc	4	60	48	0.16
	Wick	29.60	54	W	3	0	29.73	+.18	55	52	−1	W	4	bc	1	63	51	—
	Nairn	29.59	58	W	2	6	29.72	+.12	55	53	−2	WSW	2	f	1	64	51	0.01
	Aberdeen ...	29.65	58	WSW	2	bc	29.78	+.19	59	53	−1	SW	3	bc	1	69	53	—
	Leith	29.73	59	W	2	bc	29.84	+.15	57	54	0	SW	2	0	*	64	53	—
	Shields	29.78	61	WSW	2	C	29.89	+.16	53	51	−8	SSW	2	cm	2	65	50	—
	Spurn Head ...	29.85	61	W	2	bc	29.94	+.14	59	58	−2	WSW	1	om	2	64	55	—
	York	29.86	63	W	2	bc	29.94	+.14	58	55	−4	W	1	0	*	65	51	—
	Loughborough	29.87	66	W	1	C	29.93	+.08	60	59	−2	WSW	1	ogmd	*	76	59	0.03
	Ardrossan ...	29.77	58	WSW	3	0	29.86	+.13	57	55	0	WSW	3	0	2	59	55	—
	Malin Head ...	29.73	56	WSW	5	6	29.83	+.11	54	52	−2	W	4	op	3	60	53	0.05
	Mullaghmore ...	29.82	58	SW	5	bc	29.89	+.10	55	53	−3	SSW	5	C	3	61	53	0.01
	Belmullet ...	29.82	58	WSW	4	bc	29.89	+.10	55	53	−3	W	2	0	*	60	54	0.02
	Donaghadee ...	29.81	62	WSW	2	bc	29.92	+.10	56	54	−1	SSW	2	bc	0	66	55	—
	Liverpool (Bidston)	29.85	61	WSW	2	C	29.96	+.09	58	54	−2	W	2	C	2	63	57	—
	Holyhead ...	29.85	58	SW	4	ogm	29.95	+.09	59	56	−1	SW	2	C	2	65	55	—
	Parsonstown ...	29.91	59	S	0	C	29.96	+.07	55	53	−2	SW	2	bc	*	63	?	—
	Valencia	29.94	59	WSW	2	om	30.00	+.05	56	55	−2	WSW	2	0	2	61	53	—
	Roche's Point ...	29.94	66	WSW	3	C	30.00	+.07	55	54	−3	W	1	0	3	64	51	—
	Pembroke (St. Ann's Hd.)	29.96	58	WSW	4	0	30.01	+.06	57	56	−1	W	3	cg	4	60	57	0.12
	Scilly	30.03	60	SW	4	m	30.03	0.0	58	58	−2	WNW	1	f	4	63	57	0.39
	Prawle Point ...	30.05	59	WSW	4	f	30.05	+.01	59	59	0	WSW	3	fr	3	59	58	0.40
	Jersey (St. Aubin's)	30.10	62	W	4	od	30.14	+.02	62	60	+1	WSW	3	dm	3	63	60	0.02
	Hurst Castle ...	30.03	61	WSW	4	ogm	30.05	+.06	60	60	0	WSW	6	modg	4	63	60	0.10
	Dungeness ...	29.98	61	W	6	0	30.02	+.07	61	61	0	WSW	5	0	4	63	59	0.10
	London	29.96	63	SW	2	0	30.01	+.06	62	61	+1	SW	2	0	*	68	60	0.06
	Oxford	29.99	61	SW	3	0	30.00	+.06	61	60	0	SW	2	0	*	66	60	0.08
	Cambridge ...	29.91	66	W	1	0	29.99	+.08	62	62	−2	SW	1	7	*	76	58	0.23
	Yarmouth ...	29.88	68	WSW	2	bc	29.99	+.11	61	60	0	SW	2	7m	3	69	59	0.15
GERMANY & HOLLAND.	Cuxhaven ...	29.84	58	WSW	3	7	29.92	+.06	60	59	0	W	3	c	*	63	57	0.12
	Berlin	29.94	58	SW	3	6	29.99	+.07	60	58	+3	W	4	0	*	61	57	0.08
	Wiesbaden ...	*	*	*	*	*	30.12	0.0	59	56	+1	S	0	0	*	63	57	0.32
	Munich	30.20	53	SW	3	6	30.23	0.0	54	54	+3	W	4	7	*	61	50	0.04
	The Helder ...	29.93	62	SW	2	6	30.02	+.12	62	59	+1	W	1	bc	1	64	61	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.07	+.03	61	61	+7	SSW	4	7	*	61	55	0.12
	Cape Gris Nez	29.98	60	WSW	6	7	30.02	+.03	61	61	+2	SW	5	7	5	61	57	0.28
	Paris	30.12	67	W	1	0	30.16	−.03	63	61	+7	SW	2	0	*	?	66	—
	Brest	?	62	SW	3	f	?	?	61	60	+4	WSW	2	0	3	64	59	0.08
	Lorient	30.17	63	WSW	3	0	30.16	−.05	60	59	−1	SSW	1	0	3	64	59	—
	Rochefort ...	?	65	NW	4	bc	?	?	57	56	+2	E	3	bc	*	72	52	—
	Belfort	30.16	59	W	3	bc	30.17		60	54		SW	3	bc	*	70	41	—
	Lyons	30.17	62	N	2	bc	30.20	−.06	57	52	+4	NW	1	6	*	69	51	—
	Nice	30.06	66	SW	1	bc	30.11	+.01	66	60	−1	E	2	6	1	77	61	—
	Perpignan ...	30.12	66	NW	1	0	30.13	−.06	57	53	−2	SW	1	0	*	84	53	—
	Biarritz	30.16	69	NNE	4	bc	30.15	−.10	58	56	−2	SE	3	6	2	75	55	—
PENINSULA.	Corunna	*	*	*	*	*	30.07	−.03	68	59	−1	N	2	C	3	86	66	—
	Lisbon	30.04	75	NW	4	6												

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 19th Sept. 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

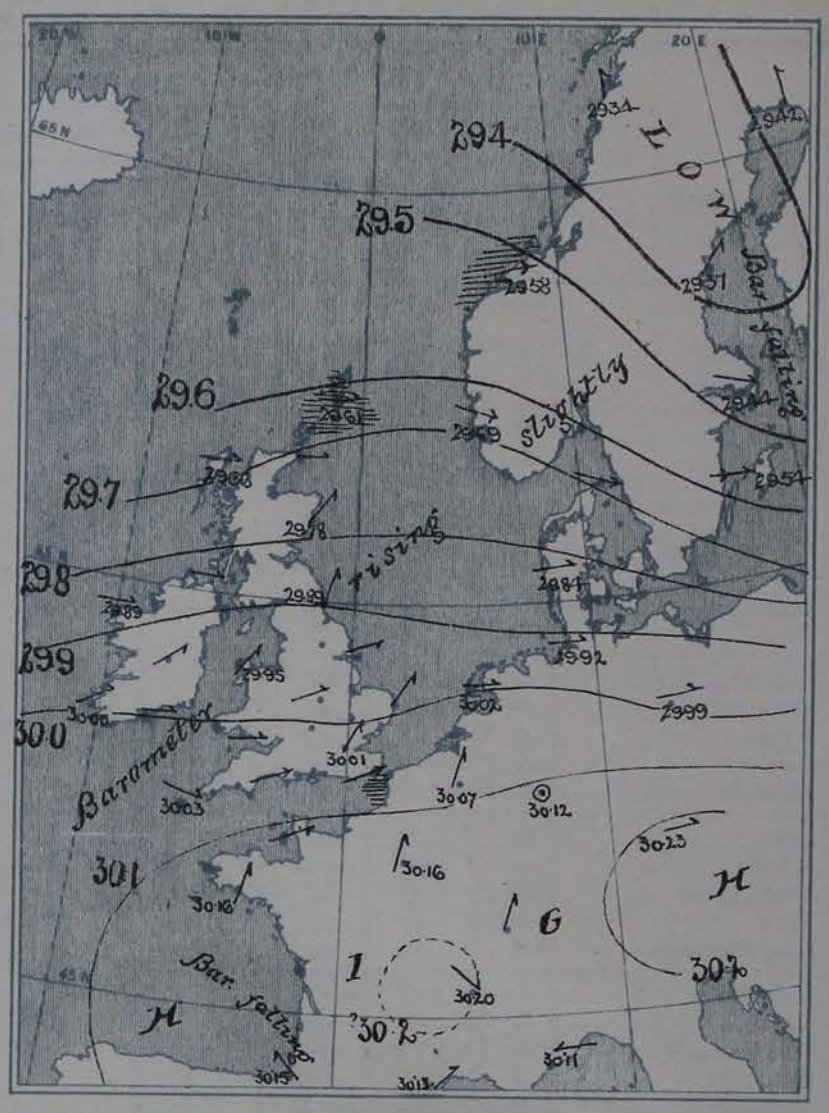
WIND—Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·998
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948



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

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

WEATHER is shown by Letters of the Beaufort Scale.

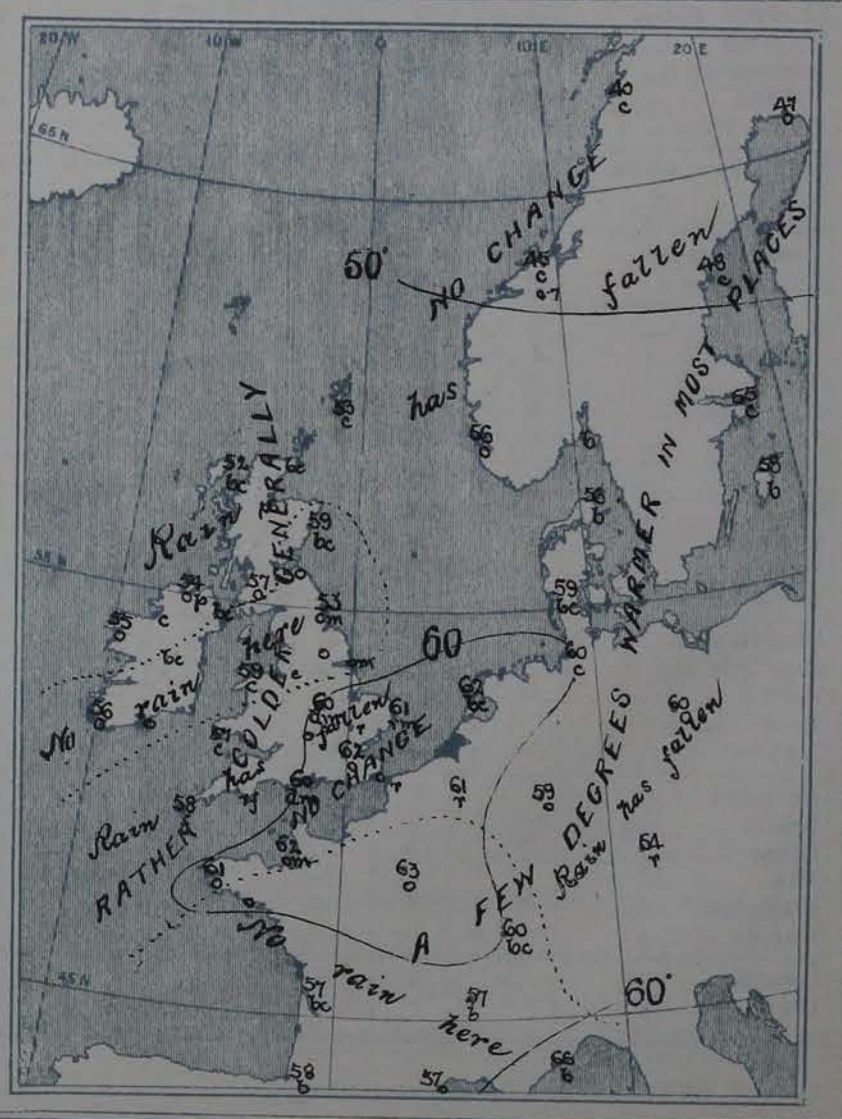
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	1·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·9	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·1	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins: to 30·2 ins: in a large anticyclone lying over the Bay of Biscay, France, South Germany and the north of Spain.

Lowest, 29·4 ins: and less, in a "V shaped" depression lying over the north of Scandinavia.

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

TEMPERATURE

Highest, 68° at Lisbon, 66° at Nice, 63° at Paris, and 62° at Jersey, Cambridge and in London.

Lowest, 40° at Bodö, 45° at Christiansund, 47° at Haparanda, 48° at Hernosand, and 52° at Stornoway.

During yesterday the thermometer rose to 76° at Loughborough and Cambridge; in London the maximum was only 68°.

WIND

Light or moderate from the SW^ly or W^ly over the greater part of our area, but S^ly in the north of Scandinavia and E^ly in the west and south of France.

In the south of Scandinavia the W^ly wind blows strongly with a gale at Westy.

WEATHER

Fine at some of our western and northern stations and over Denmark and the southern parts of France

Cloudy or overcast elsewhere, with fog at the mouth of the Channel, and slight rain in many parts of England, as well as at Brussels and Munich.

Rain fell yesterday at our southern and extreme northern stations, as well as in Scandinavia, Denmark and Germany.

SEA

Moderate to smooth generally, but rather rough at Christiansund, Lerwick Hd and Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any decided change in the weather, but there is a tendency for barometrical pressure to become more uniform than of late.

FORECASTS

For the 24 hours ending at NOON on 20th SEPT 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST	SW^ly and W^ly winds, light or moderate; fair generally, but local showers.	6 SCOTLAND WEST 7 ENGLAND N.W.	Same as No^s 0 and 1.
2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES	Same as No 5.	8 ENGLAND S.W.	W^ly winds, light; cloudy, rain and fog locally.
5 ENGLAND SOUTH	SW^ly winds, moderate; cloudy, some showers.	9 IRELAND NORTH 10 IRELAND SOUTH	Same as No 5
		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: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.52	55	54	SSE	8	7	5
Sumburgh Head	29.40	54	53	W	4	0	5
Stornoway	29.53	53	56	W	5	c	5
Aberdeen	29.60	65	56	WSW	8	bc	2
Shields	29.76	63	56	W	4	c	2
Ardrossan	29.75	58	55	WSW	3	0	2
Malin Head ...	29.73	58	55	W	5	0	3
Mullaghmore ...	29.80	60	56	SW	5	c	3
Belmullet	29.88	59	56	WSW	4	0	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.91	63	59	SW	4	b	3
Valencia	29.94	60	59	WSW	2	om	3
Scilly	30.05	61	61	WSW	4	f	4
Jersey	30.12	63	62	SW	4	o gm	3
Dungeness	29.96	62	62	W	7	7	6
London	29.95	68	65	SW	3	0	*
Yarmouth	29.89	68	64	WSW	3	bc	3
Rochefort	30.23	70	63	NW	2	b	2

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather continuing fine and bright at most of the Spanish, French, and Mediterranean stations, and temporarily fine over the Baltic also, cloudy or overcast and unsettled elsewhere, rain in many part of the United Kingdom, Scandinavia and Russia; a good deal of haze or fog in the English Channel. Rain falling later over Great Britain, the north of France and the eastern shores of the North Sea, but weather fine in Ireland, air close and oppressive.

Temperature in morning still exceeding 70° at several of the most southern stations, much lower elsewhere. Below 60° over the greater part of the British Isles, Central Europe, and the North Sea, and lowest of all 33° at Archangel, 41° at Bodö and Ulleaborg, 43° at St Petersburg, and 45° at Hernösand and Christiansund. Rising to 75° and upwards during day over Central England, but remaining below 70° in all other parts of the United Kingdom and below 60° at some of our northwestern stations.

Wind W¾ or SW¾ over our Islands and the greater part of northern and central Europe, but E¾ or SE¾ over northern Russia; light or moderate in force generally, but strong in the eastern part of the Channel as well as at some of the Scandinavian stations. Mainly E¾ to N¾ over the Mediterranean and the Spanish Peninsula, and very variable over central France. No important change later.

Barometer highest 30·2 ins. and more to 30·1 ins. over Western Germany, the whole of France, the Bay of Biscay, Spain, and Algeria, and exceeding 29·7 ins. over the northeast of Russia. Lowest, 29·3 ins. and less, in a depression over the Gulf of Finland, and below 29·4 ins. in another disturbance to the northwestward of the Shetland Isles. Unsteady over our Islands later, + falling in Norway, as the depression last named moved eastwards.

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.

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

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 Sunday 20th Sept: 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.45	39	S	0	b	29.49	+.07	42	40	-5	WSW	2	b	*	?	37	0.16
	Hernösand ...	29.67	40	S	0	b	29.69	+.32	41	38	-7	S	0	bc	*	55	37	—
	Stockholm ...	29.74	50	W	2	b	29.75	+.31	54	52	-1	SW	2	0	*	63	45	—
	Wisby	29.75	56	WNW	4	b	29.85	+.31	55	53	-3	WSW	6	c	*	61	46	—
	Bodö	29.54	45	SW	6	c	29.47	+.13	44	42	+4	WSW	8	0	4	45	36	0.35
	Christiansund	29.63	46	SW	3	p	29.77	+.15	48	46	+3	W	1	p	4	48	45	0.51
	Skudesnaes ...	29.71	54	W	2	c	29.91	+.22	52	51	-4	S	0	0	2	?	46	0.04
	Christiania Fjord (Færder)	29.71	59	W	3	b	29.83	+.25	55	49	-3	WNW	3	b	2	61	54	—
	Skagen (The Scaw)	29.80	55	WNW	4	b	29.86	?	55	53	-1	WNW	1	b	1	61	52	—
	Fanö	29.54	57	S	0	c	29.91	+.06	57	56	-2	S	0	p	*	63	55	—
BRITISH ISLANDS.	Sumburgh Head	29.74	51	W	3	bc	29.83	+.26	50	50	-3	S	0	0	3	58	46	0.01
	Stornoway ...	29.80	54	W	2	bc	29.81	+.15	51	51	-1	SW	2	0	3	59	46	0.10
	Wick	29.83	54	W	1	c	29.86	+.13	48	47	-7	W	1	0	1	62	43	0.02
	Nairn	29.82	56	WSW	1	bc	29.82	+.10	46	45	-5	S	0	0	0	62	40	0.08
	Aberdeen ...	29.86	57	NW	1	c	29.83	+.05	50	49	-5	NNE	2	0f	1	64	49	0.07
	Leith	29.89	59	SW	1	bc	29.80	-.04	51	50	-6	S	0	p	*	61	48	0.03
	Shields	29.91	61	W	2	c	29.74	-.15	52	52	-1	NNE	2	p	2	63	50	0.15
	Spurn Head ...	29.95	59	S	0	om	29.71	-.23	60	58	+1	S	4	c	3	63	55	0.08
	York	29.96	57	W	1	c	29.68	-.26	52	51	-6	ENE	1	p	*	65	50	0.28
	Loughborough	29.95	60	NW	1	c	29.68	-.25	59	57	-1	SSW	3	c	*	66	52	0.11
	Ardrossan ...	29.89	57	WSW	1	c	29.79	-.07	52	51	-5	S	0	p	0	60	50	0.22
	Malin Head ...	29.89	55	W	2	c	29.80	-.03	51	50	-3	NNW	1	cf	3	59	50	0.02
	Mullaghmore ...	29.90	56	S	0	om	29.83	-.06	54	51	-1	NW	4	cf	3	59	49	0.17
	Belmullet ...	29.90	56	WSW	2	0	29.89	-.02	52	50	-3	NNW	3	0	*	59	48	0.05
	Donaghadee ...	29.91	59	W	1	c	29.79	-.13	53	52	-3	SE	4	p	2	65	51	0.35
	Liverpool (Bidston)	29.98	56	W	1	0	29.71	-.25	51	50	-7	NNE	3	p	3	62	51	0.60
	Holyhead ...	29.95	55	SW	2	cg	29.75	-.20	53	51	-6	N	3	pg	2	62	52	0.66
	Parsonstown ...	29.93	57	S	0	0	29.85	-.11	51	50	-4	NW	1	bc	*	61	47	0.03
	Valencia	29.94	57	WSW	1	0g	29.91	-.09	54	52	-2	N	3	cf	3	61	50	0.12
	Roche's Point ...	29.95	56	WSW	1	0	29.84	-.16	54	51	-1	NW	3	bcf	3	60	53	0.15
	Pembroke (St. Ann's Hd.)	29.98	57	W	2	c	29.74	-.23	53	51	-4	NNW	2	cf	2	60	50	0.80
	Scilly	29.96	57	NNE	2	pm	29.79	-.24	58	57	0	WNW	2	0	5	59	56	1.22
	Prawle Point ...	30.01	58	SSW	3	f	29.74	-.31	56	56	-3	WNW	4	bc	3	59	55	0.11
	Jersey (St. Aubin's)	30.05	62	S	3	mbq	29.83	-.31	61	58	-1	SSW	5	om	4	65	53	0.01
	Hurst Castle ...	30.02	60	SW	4	qdpm	29.77	-.28	60	58	0	SW	6	c	3	62	58	0.13
	Dungeness ...	30.03	62	WSW	5	c	29.80	-.22	61	61	0	SW	4	f	3	63	59	0.02
	London	30.00	61	SSW	3	0	29.77	-.24	62	59	0	SSW	3	fc	*	65	56	0.25
	Oxford	29.99	58	SW	1	0	29.73	-.29	59	57	-2	S	2	0	*	64	56	0.12
	Cambridge ...	29.99	61	SW	1	p	29.75	-.24	60	59	-2	S	1	b	*	68	56	0.22
	Yarmouth ...	29.97	64	NW	1	p	29.81	-.18	61	60	0	S	3	bc	3	65	57	0.17
GERMANY & HOLLAND.	Cuxhaven ...	30.01	60	W	2	c	29.97	+.05	61	60	+1	SW	2	f	*	63	59	0.16
	Berlin	29.66	62	W	2	b	30.02	+.03	60	60	0	SW	2	fp	*	66	59	0.04
	Wiesbaden ...	*	*	*	*	*	30.04	-.08	64	61	+5	SW	2	0	*	68	59	0.04
	Munich	30.02	59	NE	1	bc	30.12	-.11	58	57	+4	NE	3	0	*	64	54	0.04
	The Helder ...	30.00	62	SW	1	0	29.91	-.11	60	59	-2	SSE	1	p	1	64	59	0.12
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	29.90	-.17	64	62	+3	SE	3	bc	*	69	57	0.04
	Cape Gris Nez	30.03	61	SW	5	c	29.88	-.17	61	61	0	S	3	f	4	63	57	0.05
	Paris	30.08	65	E	1	bc	29.92	-.24	59	57	-4	SE	2	bc	*	76	57	—
	Brest	?	62	SW	2	0	?	?	58	58	-2	W	3	0	3	66	59	0.08
	Lorient	30.08	62	SSW	2	0	29.88	-.28	63	58	+3	SW	5	c	4	66	59	—
	Rochefort ...	30.05	66	NW	3	bc	29.96	?	59	58	+2	NNE	3	bc	3	73	?	—
	Belfort	?	63	SW	4	c	30.06	-.11	56	49	-4	W	3	f	*	68	40	—
	Lyons	30.08	66	ENE	1	b	30.05	-.15	59	55	+2	S	1	c	*	77	58	—
	Nice	30.11	67	SW	1	b	30.08	-.03	67	59	+1	E	1	b	1	79	61	—
	Perpignan ...	30.08	63	NE	2	bc	30.06	-.07	61	59	+4	NE	2	0	*	78	51	—
	Biarritz	30.06	69	NE	3	b	29.99	-.16	64	60	+6	SW	2	b	2	77	55	—
PENINSULA.	Corunna	*	*	*	*	*	30.03	+.01	65	63	+1	WNW	5	0	4	68	55	0.04
	Lisbon	30.05	68	NNW	5	b	30.08	+.01	64	59	-4	NNW	5	b	5	81	63	—

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Sunday, Sept. 20th 1891.

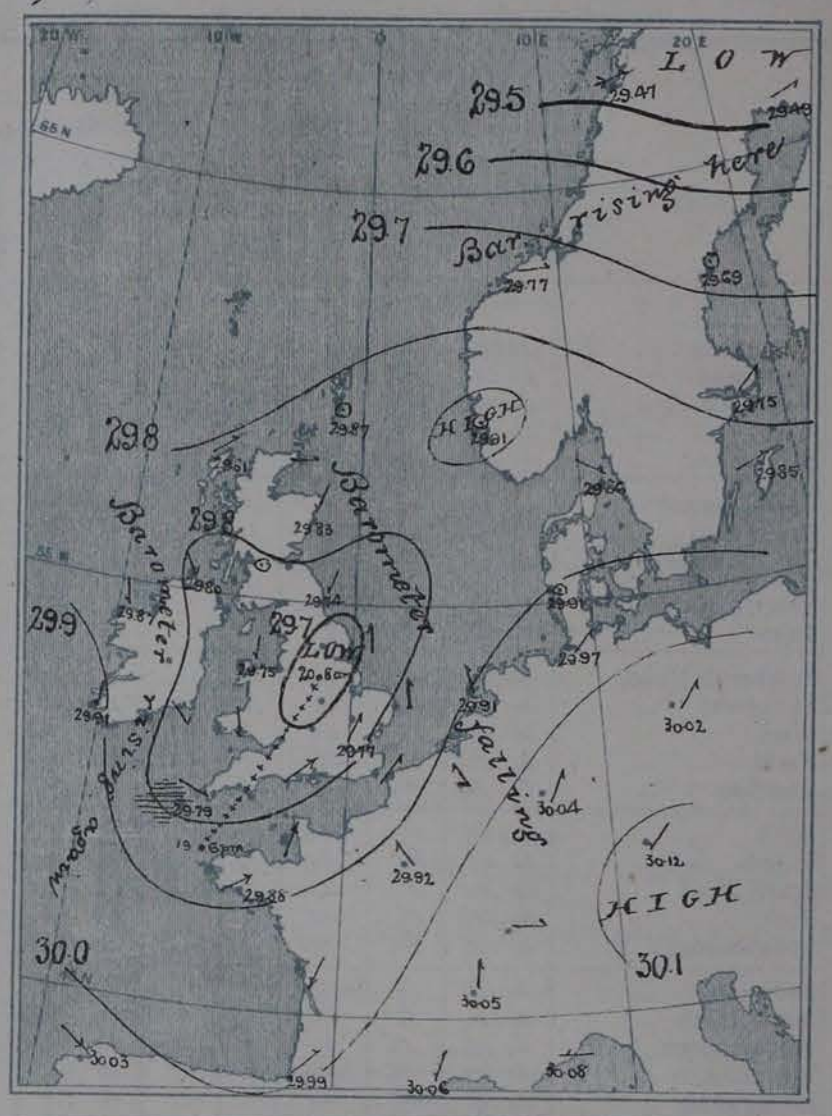
BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.
Changes since previous morning are stated in words.

WIND - Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

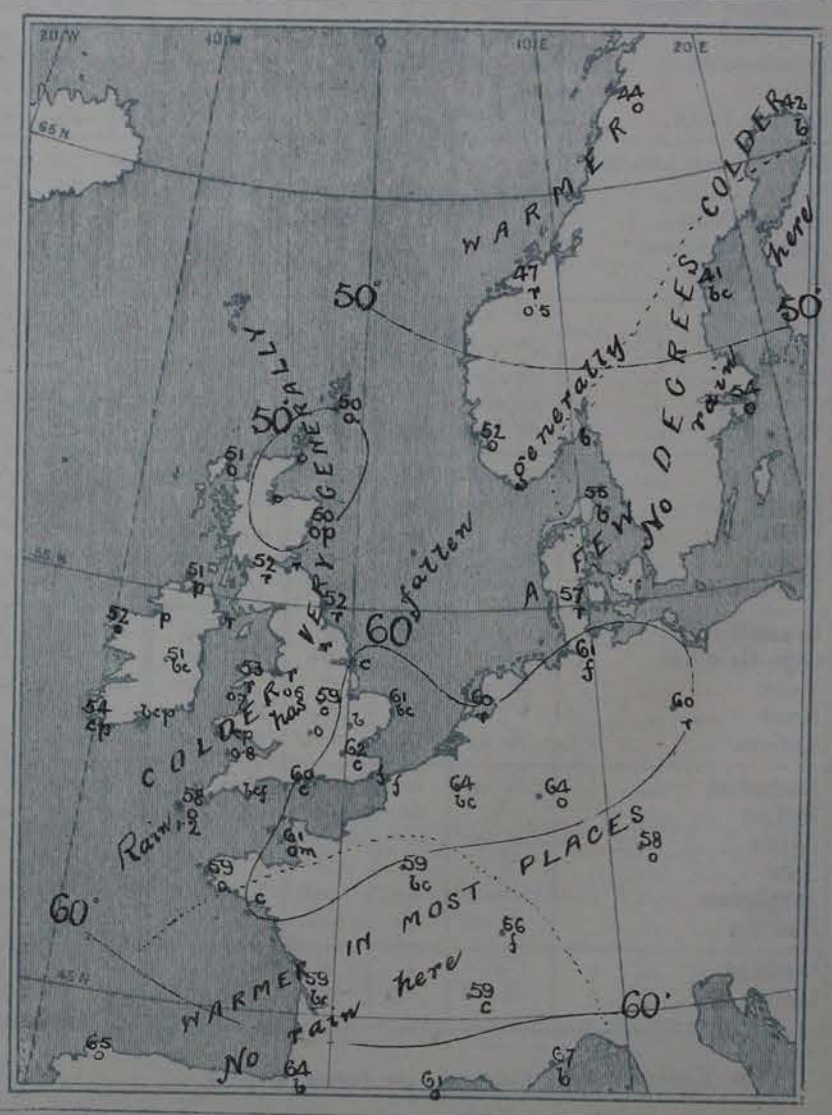
STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·845
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·968
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948

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

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

WEATHER is shown by Letters of the Beaufort Scale.

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



MEANS OF TEMPERATURE IN SHADE. AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	4·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	54·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·62
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·9	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	51·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·0 ins. and upwards over Spain, the south and east of France and the greater part of Germany. Lowest 29·7 ins. and less in a shallow depression lying over the central and northern parts of England. Gradients slight. Barometer rising in Scandinavia and the north of Scotland as well as in the extreme southwest of our Islands, but falling elsewhere.

TEMPERATURE

Highest 67° at Nice, 65° at Corunna, 64° at Brussels, Wiesbaden, Biarritz and Lisbon & 62° in London. Lowest 41° at Hernösand, 42° at Haparanda, 44° at Bodö, 46° at Nairn, 47° at Christiansund, & 48° at Wick. The highest maxima registered over our Islands yesterday were 68° at Cambridge, and 66° at Loughborough.

WIND

Light to moderate from the NW^wd. or N^wd. on our western coasts; moderate or fresh from the SW^wd. over the Channel and north of France; light from the S^wd. or SE^wd. over the Netherlands and east of England and light from the NE^wd. on our northeast coasts.
Light from the W^wd. or SW^wd. at most of the Scandinavian stations; variable in the south of France.

WEATHER

Cloudy or overcast in most places, with fog or mist at the Channel stations; showers on our west coasts and heavy rain over the south of Scotland and the north of England.
Fine over the greater part of France and also at many of the Scandinavian stations. Since yesterday morning rain has fallen generally, the largest amounts being 1·2 ins. at Scilly, 0·8 in. at Pembroke, & 0·7 in. at Holyhead.

SEA

Slight or smooth generally but rather rough at Scilly.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 21ST SEPT. 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NONE ISSUED	6 SCOTLAND WEST	NONE ISSUED.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.78	58	55	W	4	o	4
Sumburgh Head	29.68	55	53	WSW	3	b	5
Stornoway	29.77	58	53	W	4	c	4
Aberdeen	29.83	63	54	W	2	bc	1
Shields	29.90	61	54	W	3	c	2
Ardrossan	29.85	60	56	WSW	2	c	1
Malin Head ...	29.88	57	53	W	4	bc	3
Mullaghmore ...	29.92	59	55	WSW	4	c	3
Belmullet	29.94	58	54	WSW	2	bc	*

	BAR.	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.98	59	56	SW	2	c	2
Valencia	29.98	59	56	WSW	3	om	3
Scilly	30.08	59	59	ESE	2	m	4
Jersey	30.12	64	62	SSW	3	ogm	3
Dungeness	30.04	62	61	WSW	5	o	4
London	30.02	65	63	SW	2	or	*
Yarmouth	29.88	65	63	WSW	2	r	2
Rochefort	30.13	71	66	NW	3	b	2

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

The Continental information will be issued tomorrow

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.

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

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 Monday 21st September 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Wet.	Difference from 8 a.m. yesterday.	Wind. Direc.	Force. (0 to 12.)	Weather.	Sea. (0 to 6.)	PAST 24 HOURS. Shade Temp. Max.	Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.54	42	W	2	6	29.63	+.14	41	41	-1	SSE	2	bc	*	50	32	—
	Hernösand ...	29.87	46	SW	2	6	29.92	+.23	44	40	+3	WNW	2	bc	*	61	32	—
	Stockholm ...	29.90	53	Z	0	0	29.86	+.14	49	48	-5	Z	0	0	*	63	46	—
	Wisby	29.88	53	SSW	4	6	29.86	+.01	52	51	-3	SE	4	0	*	61	50	—
	Bodö	29.68	44	NW	6	0	29.78	+.31	43	40	-1	W	4	0	3	45	41	0.12
	Christiansund	29.97	47	WNW	2	7	29.97	+.20	45	43	-2	SE	1	bc	3	48	43	0.24
	Skudesnaes ...	29.83	53	N	2	0	29.69	-.22	55	50	+3	NNE	2	0	2	?	50	—
	Christiania Fjord (Færder)	29.87	56	SSW	2	c	29.79	-.04	51	50	-4	NNE	5	7	2	61	50	—
	Skagen (The Scaw)	29.83	55	SE	2	0	29.84	-.02	58	58	+3	SSE	5	0	1	59	52	0.12
	Fanö	29.70	60	ESE	5	c	29.62	-.29	60	59	+3	SSW	2	6	*	61	57	0.24
BRITISH ISLANDS.	Sumburgh Head	29.87	51	NE	1	c	29.87	+.02	48	44	-2	NE	4	c	5	54	46	—
	Stornoway ...	29.85	53	E	4	c	29.97	+.16	49	47	-2	N	5	0	5	56	46	0.02
	Wick	29.86	52	NE	3	0	29.91	-.05	49	46	+1	NE	5	0	4	55	46	0.05
	Nairn	29.81	50	NE	1	7	29.85	+.03	50	47	+4	N	5	0	6	60	45	0.70
	Aberdeen ...	29.87	50	NE	6	0qr	29.73	-.10	47	46	-3	NNE	8	0qr	8	52	46	2.19
	Leith	29.73	52	N	3	7	29.65	-.15	48	47	-3	NNE	6	7	*	53	46	1.43
	Shields	29.62	51	NW	3	0	29.36	-.38	52	51	0	NNW	5	d	2	52	45	0.88
	Spurn Head ...	29.58	56	WNW	4	0p	29.52	-.19	52	48	-8	WSW	6	c	4	65	50	0.02
	York	29.62	51	NW	3	0	29.48	-.20	47	45	-5	W	3	0	*	55	44	0.17
	Loughborough	29.65	53	WNW	3	0	29.62	-.06	50	48	-7	W	4	cq	*	64	49	0.05
	Ardrossan ...	29.75	55	Z	0	0m	29.76	-.03	49	47	-3	N	2	7m	1	60	48	0.22
	Malin Head ...	29.81	53	NW	4	c7p	29.87	+.07	52	50	+1	N	6	0p	4	55	50	0.04
	Mullaghmore ...	29.86	52	W	4	c7p	29.95	+.12	55	51	+1	N	6	bc	4	57	48	0.22
	Belmullet ...	29.85	53	WNW	2	c7p	30.00	+.13	54	52	+2	N	2	6	*	56	48	0.30
	Donaghadee ...	29.78	55	N	4	0	29.80	+.01	52	49	-1	NE	5	0	3	58	51	0.05
	Liverpool (Bidston)	29.71	53	NW	3	0	29.65	-.06	49	47	-2	NW	6	0p	5	54	49	0.28
	Holyhead ...	29.76	53	NNW	5	cq	29.74	-.01	54	50	+1	NW	7	cqg	6	55	50	0.20
	Parsonstown ...	29.90	53	Z	0	bc	29.94	+.09	51	49	0	Z	0	6	*	59	42	0.03
	Valencia	30.01	54	WNW	4	bcq	30.04	+.13	56	52	+2	N	3	6	4	59	51	0.26
	Roche's Point ...	29.94	56	NW	4	6	29.94	+.10	52	48	-2	NNW	4	6	4	66	49	0.01
	Pembroke (St. Ann's Hd.)	29.84	54	NNW	4	c	29.82	+.08	53	50	0	NW	5	bcq	4	59	51	0.25
	Scilly	29.93	57	NW	4	c	29.91	+.12	55	53	-3	WNW	6	cq	5	58	52	0.32
	Prawle Point ...	29.84	52	NW	4	c	29.86	+.12	53	52	-3	WNW	5	7u	4	60	48	0.05
	Jersey (St. Aubin's)	29.82	58	W	3	bc	29.93	+.10	57	52	-4	WNW	4	bcqt	4	62	53	0.22
	Hurst Castle ...	29.75	61	WNW	5	c	29.82	+.05	54	51	-6	W	4	bc	3	64	51	0.18
	Dungeness ...	29.73	60	WSW	5	7	29.74	-.06	54	51	-7	WNW	5	6	3	65	51	0.12
	London	29.70	59	SW	1	c	29.76	-.01	50	48	-12	WSW	3	c	*	69	49	0.05
	Oxford	29.75	53	SW	3	0	29.74	+.01	49	48	-10	W	3	bc	*	63	48	0.17
	Cambridge ...	29.71	59	SW	1	0	29.68	-.07	53	50	-7	SW	2	c	*	66	48	0.06
	Yarmouth ...	29.65	63	SSW	3	c	29.65	-.16	52	50	-9	W	4	bcm	3	65	49	0.03
GERMANY & HOLLAND.	Cuxhaven ...	29.84	62	SSE	2	6	29.69	-.28	59	58	-2	S	1	m	*	71	57	—
	Berlin	29.91	65	SE	3	6	29.76	-.26	60	58	0	SSW	3	6	*	72	57	—
	Wiesbaden ...	*	*	*	*	*	29.81	-.23	61	60	-3	SE	1	7	*	73	55	—
	Munich	29.99	58	Z	0	6	29.92	-.20	58	55	0	SW	3	c	*	66	52	—
	The Helder ...	29.72	61	SW	2	c	29.66	-.25	58	54	-2	SW	2	bc	3	70	57	0.43
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	29.78	-.12	54	53	-10	SW	4	c	*	73	53	—
	Cape Gris Nez	29.75	59	SW	5	7	29.74	-.11	54	52	-7	W	5	0	5	63	52	0.12
	Paris	29.82	65	SSW	2	c	29.91	-.01	52	50	-7	WSW	2	bc	*	73	50	—
	Brest	?	56	NNW	4	c	?	?	54	53	-5	NW	4	c	4	64	52	0.04
	Lorient	29.91	59	WNW	6	bc	30.04	+.16	57	51	-6	WNW	5	c	4	63	55	0.12
	Rochefort ...	?	63	W	4	c	?	?	56	53	-3	N	4	6	*	73	55	0.08
	Belfort	?	65	W	3	bc	?	?	57	52	+1	W	3	7	*	77	41	—
	Lyons	29.91	71	SW	2	6	30.02	-.03	53	51	-6	NW	2	0	*	81	52	0.32
	Nice	29.99	68	E	3	c	29.93	-.15	58	58	-9	NE	1	c	2	77	57	0.43
	Perpignan ...	29.91	65	NE	2	c	30.06	0.0	60	56	-1	NW	3	0	*	74	57	0.04
	Biarritz	30.06	67	WNW	4	0	30.12	+.13	63	58	-1	NW	4	c	3	70	59	0.19
PENINSULA.	Corunna	*	*	*	*	*	30.17	+.09	60	53	-4	N	4	6	4	75	59	—
	Lisbon	30.14	59	NE	3	6												

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Monday, 21st Sept., 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

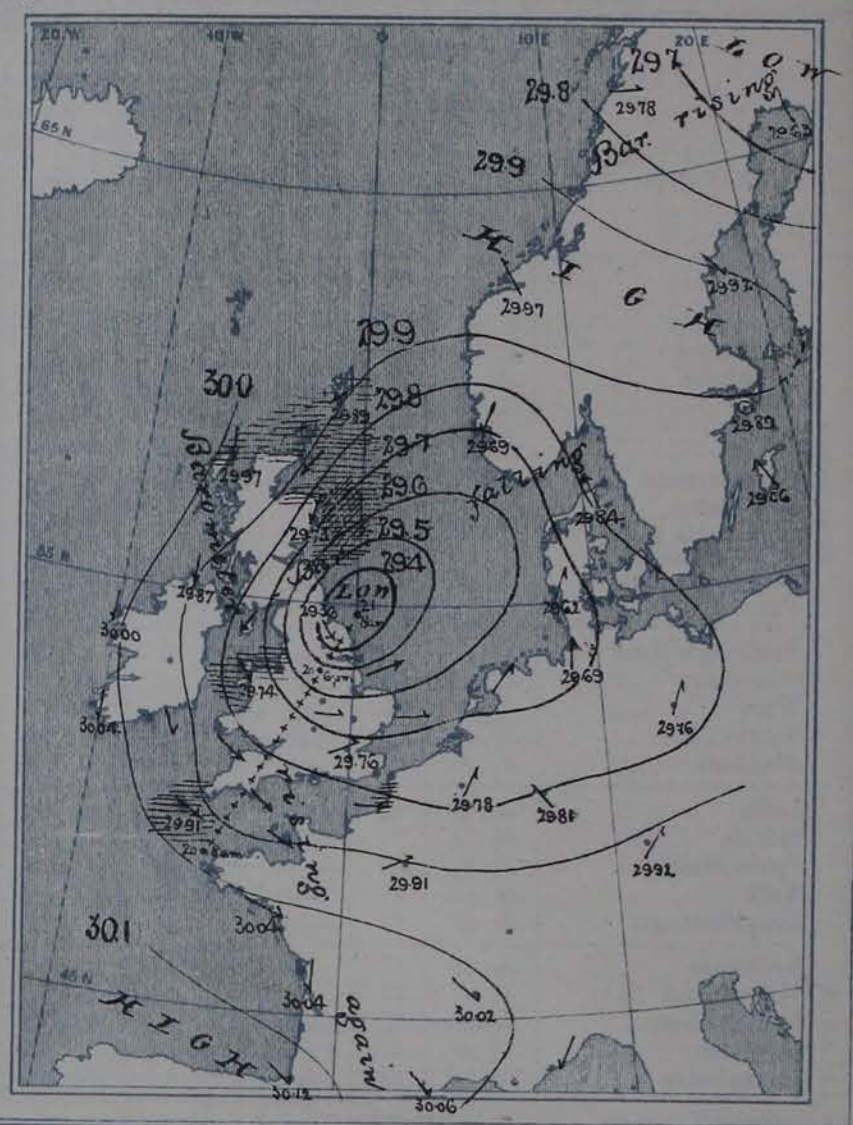
BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

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

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

SEA DISTURBANCE—Where considerable, is shewn thus:

= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

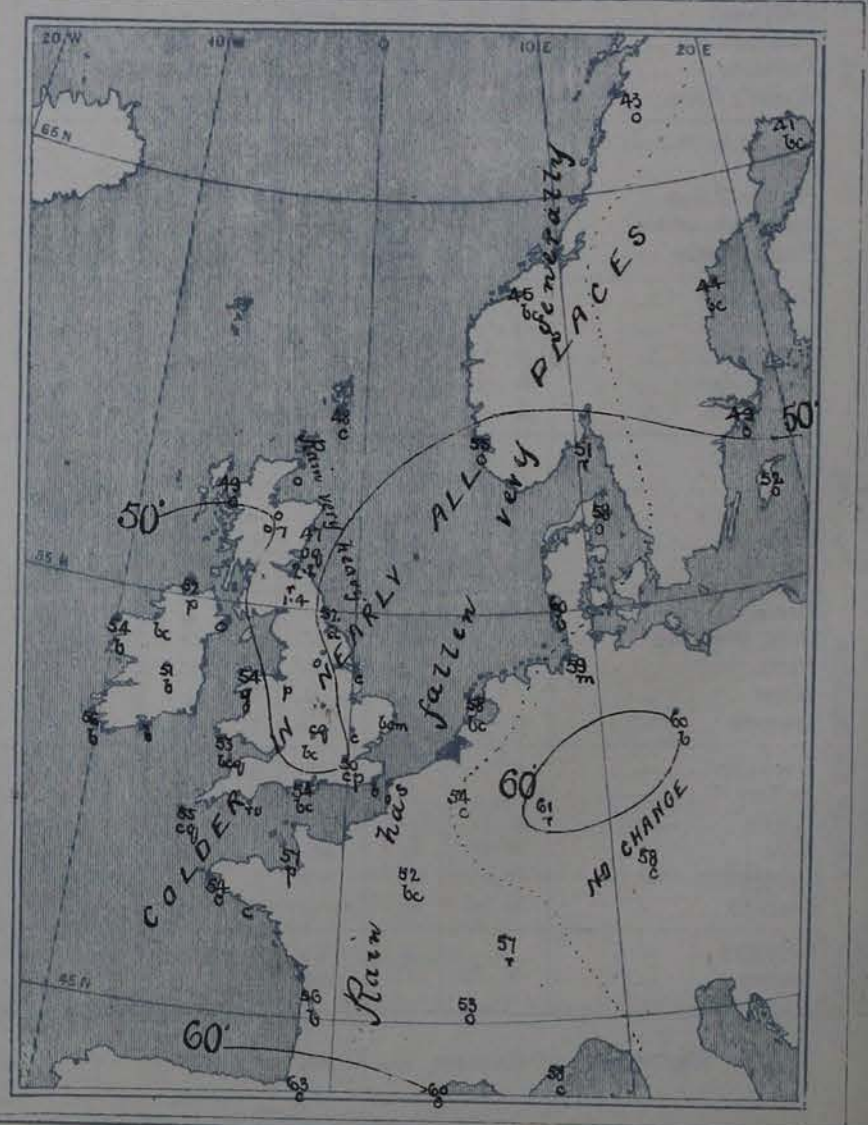
STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·998
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948

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

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

WEATHER is shown by Letters of the Beaufort Scale.

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



MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry	Wet.	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	4·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·9	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·1	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins: and upwards, in an anticyclone extending from the Atlantic over Spain and the Bay of Biscay.

Lowest, 29·4 ins: and less, in a well marked depression lying off the northeast of England

Gradients steep over the east of Scotland, and rather steep over our northern coasts generally, but slight elsewhere.

Barometer rising over the west and north of our Islands, as well as in France and the north of Scandinavia, but falling elsewhere.

TEMPERATURE

Highest, 63° at Biarritz, 61° at Wiesbaden, and 60° at Paris, Berlin, Perpignan and Lisbon.

Lowest, 41° at Haparanda, 43° at Bodö, 44° at Hernösand, 45° at Christiansund, and 47° at Aberdeen and York.

The highest maxima registered over our Islands yesterday were 69° in London and 66° at Cambridge; at some of our northern stations the thermometer did not reach 55°.

WIND

Fresh or strong from the N.ward on our northern coasts (with a gale at Aberdeen) and from the NW.ward in the southwest of our Islands.

Light to fresh from the W.ward over the greater part of England and also in the north of France.

Light from S. or SW. in Denmark and Germany; variable in Scandinavia

WEATHER

Fair over the southern parts of our Islands generally, as well as in France, Germany, the north of Sweden, but showery in places.

Dull elsewhere, with continuous rain over the south of Scotland.

Heavy rain has fallen in Scotland, the largest amounts being 2·2 ins: at Aberdeen, 1·4 ins: at Leith, and 0·7 in: at Nairn.

SEA

Very high at Aberdeen, rough on many parts of our north and northwest coasts, and rather rough at Scilly and C. Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off our northeast coasts appears to be almost stationary; and as the barometer is rising steadily on the west coasts of Ireland and Scotland the gradients over the north parts of our Islands are likely to increase. Gales are probable on many of our northern coasts.

FORECASTS

For the 24 hours ending at NOON on 22nd Septr 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
▼ 0 SCOTLAND NORTH ▼ 1 SCOTLAND EAST	N. and NE. strong winds and gales; squally, showery	▼ 6 SCOTLAND WEST	Same as No 2.
▼ 2 ENGLAND N.E.	N. winds, increasing in force; squally, showery.	▼ 7 ENGLAND N.W.	NW. to N. strong winds and gales; squally, showery.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	W. and NW. winds, freshening considerably; changeable, showery.	8 ENGLAND S.W.	NW. winds, fresh or strong; squally, showery.
		▼ 9 IRELAND NORTH	N. winds, increasing to a gale; squally, showery.
		10 IRELAND SOUTH	Same as No 8.
		WARNINGS	The NORTH CONE has been hoisted this mornᵍ in districts 0. 1. 6. 7. 9. and part of 2.

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: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.89	56	51	NNW	2	o	2
Sumburgh Head							
Stornoway	29.83	56	53	SE	3	bc	3
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.81	53	51	NW	4	o fp	3
Mullaghmore ...							
Belmullet	29.91	56	55	WNW	3	c	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.75	55	52	N	5	cq	4
Valencia							
Scilly							
Jersey	29.82	60	58	W	3	o gfp	3
Dungeness	29.73	62	59	SW	5	c	3
London							*
Yarmouth							
Rochefort	29.93	69	64	SW	4	o	2

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine and bright at most of the Spanish and Mediterranean stations as well as in several parts of central and N.rn Europe; very unsettled over the British Islands, with much rain at the W.rn stations and smaller quantities elsewhere, appearance of sky in London very unsettled. Very heavy rain over the east of Scotland and northeast of England later, considerable fall at most other places, but none at the Swedish and German stations.

Temperature falling fast in the extreme W. and to a small extent in several other places. morning readings still exceeding 70° at a few Mediterranean stations, but below 60° over by far the major part of Europe and the British Isles. Lowest 40° at Archangel, 42° at Haparanda and Moscow, 44° at Bodö and Helsingfors, 46° at Riga and Nairn. Rising to between 60° and 66° over Gt Britain later and to between 70° and 77° in France and Germany; falling decidedly over England at night.

Wind very variable. Anticyclonic over SE.rn and central Europe, cyclonic but of no great strength over the United Kingdom, W.ly over Lapland, the N of Sweden and the extreme N. of Scotland, NW.ly over Portugal. Veering N.wly over the greater part of the British Islands later, and increasing in strength.

Barometer highest 30.2 ins. to 30.0 ins. in a large anticyclone covering SE.rn and central Europe and exceeding 30.0 ins. over the Mediterranean and Spanish Peninsula. Lowest 29.5 ins. and less over Lapland and 29.7 ins. and less in a complex depression advancing NE.wds across England. Latter disturbance reaching the North Sea later and growing deeper and barometer rising back over northern Europe and on our own western coasts.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 13TH TO 19TH SEPT. 1891.

The fine warm weather which prevailed during the concluding half of the previous week broke up soon after the commencement of the present period, since which time the conditions have been unsettled and showery in all parts of the United Kingdom.

At the beginning of the week an anticyclone still extended from the Continent over the eastern parts of our Islands, where the weather was exceedingly fine and warm. The maximum temperature of 83 recorded in London on the 13th was the highest observed during the present year.

On the night of the 13th, however, a 'V' shaped depression appeared on our western coasts and in the course of the ensuing 24 hours the disturbance travelled northeastwards across the Kingdom occasioning more or less decided falls of rain in all districts. As the system passed away to Scandinavia an anticyclone spread over the southern parts of our Islands from the southwestward and the weather over England showed some slight improvement. A series of depressions soon began, however, to skirt our northwest and north coasts producing rain in the west and north generally and towards the close of the week shallow secondary disturbances passed across Ireland and England so that the showery weather became general. The wind was chiefly SW.ly or W.ly and on the 18th it blew very strongly in the eastern parts of the English Channel. At the close of the week a small depression was forming near the Scilly Islands and heavy rain was setting in over the southwest 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.

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

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 Tuesday 22nd September. 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.70	35	S	0	b	29.80	+.17	36	34	-5	N	4	b	*	48	32	—
	Hernösand ...	29.86	42	SW	2	b	29.95	+.03	40	36	-4	NW	6	b	*	63	34	—
	Stockholm ...	29.81	46	NE	2	0	29.82	-.07	45	43	-4	NNW	4	bc	*	57	43	0.16
	Wisby	29.68	53	E	4	r	29.74	-.12	52	49	0	ENE	4	0	*	59	46	0.04
	Bodö	29.91	41	NW	1	c	30.02	+.24	42	38	-1	NW	2	bc	1	45	37	0.04
	Christiansund	29.99	46	NNE	2	bc	30.07	+.10	43	42	-2	ENE	1	b	3	50	41	0.08
	Skudesnaes ...	29.77	52	S	0	b	29.89	+.20	54	50	-1	ESE	2	c	2	61	50	—
	Christiania Fjord (Færder)	29.81	52	NNE	5	0	29.92	+.13	48	41	-3	NNE	6	c	2	52	46	—
	Skagen (The Scaw)	29.69	53	ENE	4	r	29.81	-.03	51	48	-7	ENE	5	0	3	59	50	0.12
	Fanö	29.65	56	S	0	0	29.71	+.07	56	55	-4	W	3	r	*	64	54	0.28
BRITISH ISLANDS.	Sumburgh Head	29.97	47	NE	6	0	30.06	+.17	47	43	-1	NE	4	0	6	51	45	—
	Stornoway ...	30.06	49	NE	5	c	30.10	+.13	49	48	0	NE	4	0	4	50	46	—
	Wick	30.00	49	NE	7	0	30.11	+.20	49	46	0	NE	4	0	3	50	46	—
	Nairn	29.95	50	NNE	4	0	30.05	+.20	49	46	-1	NNE	3	0	4	56	46	—
	Aberdeen ...	29.86	47	NNW	6	qOT	30.03	+.30	48	45	+1	N	3	c	5	49	46	1.34
	Leith	29.81	47	N	5	r	30.00	+.35	49	46	+1	NE	3	c	*	51	47	0.36
	Shields	29.65	51	NNE	5	0	29.86	+.50	51	50	-1	NNE	5	d	6	52	48	0.19
	Spurn Head ...	29.52	49	ESE	3	r	29.79	+.27	56	54	+4	NNE	4	bc	4	56	47	0.12
	York	29.52	51	WNW	1	0	29.84	+.36	51	49	+4	NNE	1	bc	*	55	47	0.07
	Loughborough	29.51	49	WSW	3	0	29.77	+.15	51	50	+1	N	2	om	*	53	48	0.31
	Ardrossan ...	29.84	50	N	2	d	30.02	+.26	52	47	+3	ENE	1	bc	0	54	47	0.15
	Malin Head ...	29.93	51	N	6	bc	30.01	+.14	52	48	0	ESE	3	b	2	53	50	—
	Mullaghmore ...	30.01	50	NNW	7	c	30.03	+.08	48	46	-7	E	2	bc	3	57	47	—
	Belmullet ...	30.06	53	N	2	0	30.03	+.03	52	47	-2	NNE	1	0	*	57	49	—
	Donaghadee ...	29.85	53	NE	6	0	30.00	+.20	51	48	-1	NE	6	c	5	53	50	0.12
	Liverpool (Bidston)	29.63	53	NW	6	0	29.88	+.23	53	50	+4	NNE	1	b	3	54	48	0.25
	Holyhead ...	29.75	52	NNW	9	qg	29.91	+.17	55	53	+1	NE	4	bc	4	55	50	0.34
	Parsonstown ...	29.90	51	NW	1	bc	30.03	+.09	44	42	-7	S	0	bc	*	59	39	—
	Valencia	30.07	55	NNW	2	bcm	30.05	+.01	49	47	-7	WSW	1	c	1	60	44	—
	Roche's Point ...	29.98	58	NNW	4	b	30.01	+.07	50	46	-2	NNW	3	b	3	60	47	—
	Pembroke (St. Ann's Hd.)	29.85	51	NNW	6	c	29.89	+.07	55	53	+2	N	4	b	3	56	50	0.13
	Scilly	29.94	56	WNW	5	b	29.94	+.03	54	52	-1	NNW	5	c	4	57	51	0.01
	Prawle Point ...	29.81	50	WNW	4	p	29.84	-.02	53	52	0	NW	2	c	1	59	43	0.15
	Jersey (St. Aubin's)	29.86	51	WNW	4	bcqp	29.79	-.14	56	52	-1	WNW	5	bc	4	66	51	0.28
	Hurst Castle ...	29.70	53	W	6	cp	29.76	-.06	52	50	-2	N	4	bc	3	61	50	0.09
	Dungeness ...	29.63	57	WSW	6	cu	29.64	-.10	51	50	-3	NNW	4	bc	3	65	44	0.10
	London	29.63	50	WSW	2	op	29.71	-.05	52	49	+2	NNE	2	c	*	62	47	0.03
	Oxford	29.60	47	W	4	r	29.76	+.02	50	45	+1	N	3	bc	*	55	47	0.09
	Cambridge ...	29.61	50	W	2	r	29.75	+.07	53	52	0	N	2	c	-	60	46	0.13
	Yarmouth ...	29.60	52	SW	3	bcfl	29.71	+.06	55	53	+3	ENE	5	cf	4	58	50	0.15
GERMANY & HOLLAND.	Cuxhaven ...	29.71	55	SW	1	c	29.75	+.06	54	53	-5	W	2	bc	*	62	53	0.04
	Berlin	29.73	60	WNW	3	r	29.76	0.0	55	54	-5	WNW	4	0	*	72	54	1.34
	Wiesbaden ...	*	*	*	*	*	29.84	+.03	46	45	-15	S	0	0	*	61	43	0.24
	Munich	29.98	46	W	6	r	29.90	-.02	47	46	-11	SSW	3	0	*	68	46	0.32
	The Helder ...	29.73	52	SSE	1	b	29.78	+.12	50	49	-8	SSE	1	b	1	61	48	0.20
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	29.71	-.07	50	48	-4	SE	2	0	*	59	48	0.08
	Cape Gris Nez	29.67	55	SW	6	r	29.61	-.13	50	50	-4	E	1	0	2	59	46	0.63
	Paris	29.84	53	WSW	2	c	29.73	-.18	50	48	-2	SW	4	0	*	65	48	0.20
	Brest	?	56	NW	4	c	?	?	54	50	0	NW	4	c	4	61	48	0.04
	Lorient	29.96	58	NW	6	bc	29.93	-.11	55	51	-2	NW	5	bc	5	61	54	0.08
	Rochefort ...	29.99	61	WNW	6	c	29.95	?	61	55	+5	WNW	6	r	*	66	54	0.59
	Belfort	29.85	60	W	3	0	29.85	?	56	50	-1	W	3	r	*	66	38	0.12
	Lyons	29.97	55	E	1	bc	29.99	-.05	51	48	-2	SW	2	0	*	66	48	0.08
	Nice	?	66	?	5	b	29.81	-.12	61	48	+3	NNW	3	b	4	75	55	—
	Perpignan ...	30.01	66	NW	4	0	30.07	+.01	60	52	0	NW	3	b	*	75	55	—
	Biarritz	30.15	63	NW	4	0	30.10	-.02	62	58	-1	W	5	bc	4	66	55	0.35
PENINSULA.	Corunna	*	*	*	*	*	30.13	-.04	60	53	0	N	5	bc	2	68	57	—
	Lisbon	30.11	60	NNW	6	b												

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Tuesday 22nd Sept., 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

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

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

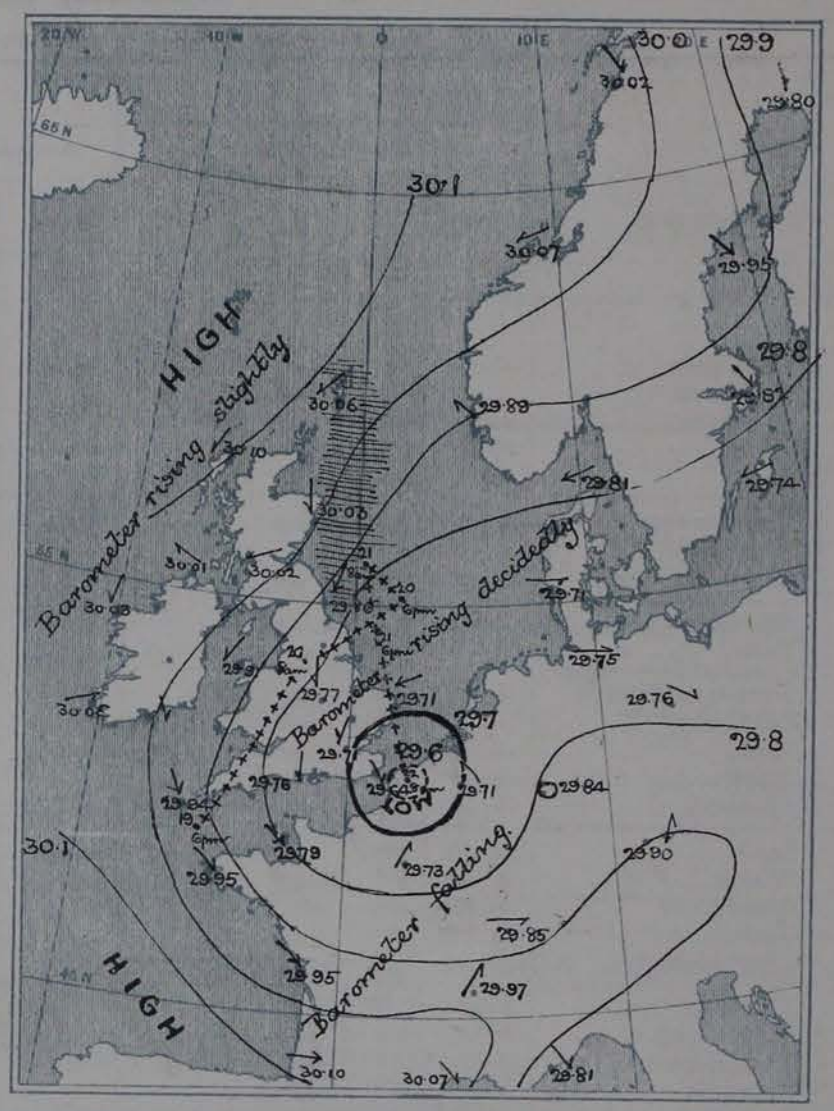
SEA DISTURBANCE—Where considerable, is shewn thus:

= Rough. = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·908
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948



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

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

WEATHER is shown by Letters of the Beaufort Scale.

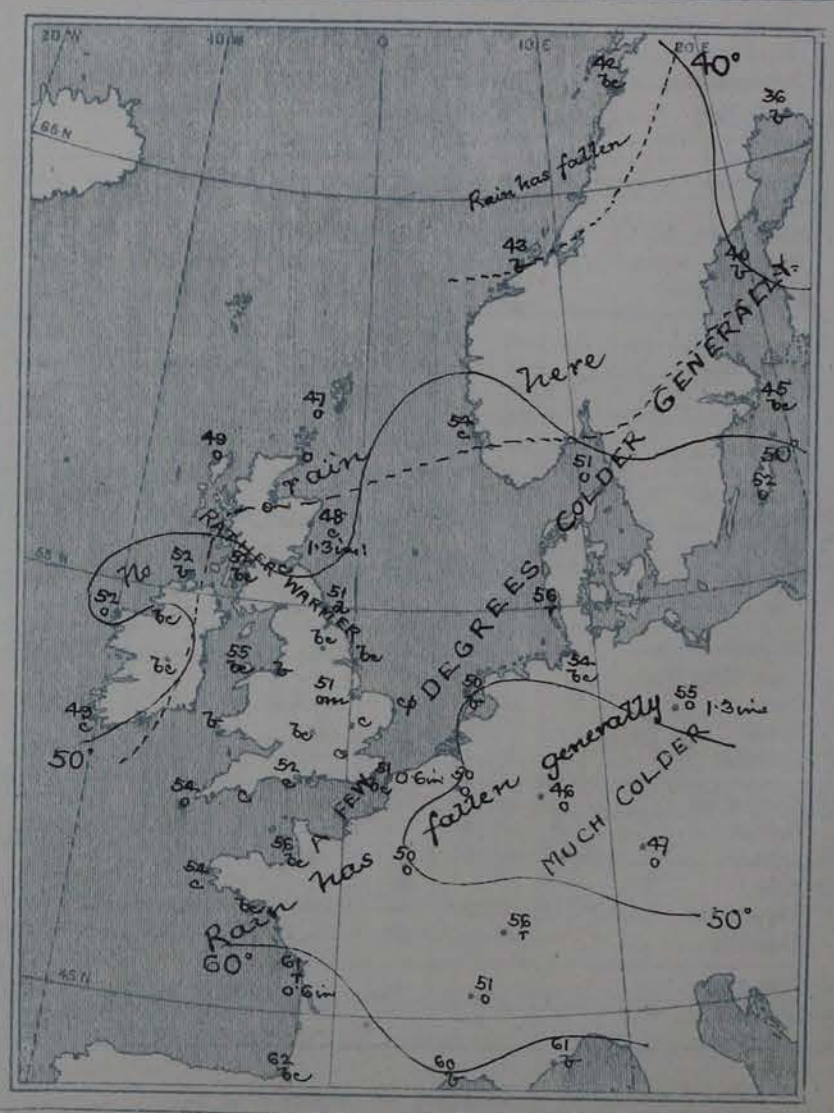
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	8 a.m. Dry	8 a.m. Wet	RAINFALL (Inches)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	4·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·37
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·62
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·0	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·0	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·39
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·1 ins. and more both off the extreme northwest of Scotland and also over the Spanish Peninsula and neighbouring parts of the Atlantic.

Lowest 29·6 ins. and less in the depression over the N.E. of France, and about 29·7 ins. over Denmark and the Baltic.

Gradients moderate, and favourable for N^ly winds in our Islands.

Barometer rising all over Gt Britain, falling a little in France, and inclined to fall again in the west of Ireland.

TEMPERATURE

Highest 63° at Biarritz, 61° at Rochefort, 56° at Jersey.

Lowest 36° to 43° over the northern parts of Scandinavia, 47° to 49° in the N. and E. of Scotland, 50° to 52° over central England, & 50° at Paris.

The thermometer rose to 60° yesterday at our extreme southwestern and southern stations only, but on the Continent it exceeded 65°, and at Berlin it touched 72°.

WIND

N^ly (NNW to NE) over the United Kingdom generally, and moderate to fresh in force, except in the extreme west, where it is almost calm. In the north and west of France it is strong and squally from NW. while in the southeast of France it is light from the SW^ly.

WEATHER

Fine and bright at our western stations, cloudy and unsettled (but improving) in the north and east; dull and unsettled over Germany and France. The rainfall in the east of Scotland has again been very heavy (1·34 at Aberdeen) but in our other districts it has been moderate or slight. Berlin, however, reports a fall of 1·34 ins. during a heavy thunderstorm.

SEA

Rough off our north and northeast coasts and at Donaghadee & Lorient, moderate in most other exposed localities, smooth in the far west.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off our northeast coasts on Monday, has moved southwards, and its centre is now not far from Calais. In its rear the wind has shifted to the northward, with a further fall of temperature, and the weather has begun to clear up. This improvement seems likely to continue during today, and tonight will probably be very cold over England.

FORECASTS

For the 24 hours ending at NOON on 23rd SEPT. 1891.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	NE^ly breezes, moderate; fair as a whole, cold.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	N^ly and NE^ly breezes, falling light; some rain, fair as a whole, very cold tonight.
6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W.	N^ly breezes, falling light; cold, fair.
9 IRELAND NORTH 10 IRELAND SOUTH	Very variable light winds; fair, very cold tonight.
WARNINGS	Signals all lowered this morning.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. D.	THER. W.	WIND D.	WIND F.	WEA	SEA
Skudesnaes ...	29.73	60	54	ENE	1	o	2
Sumburgh Head	29.52	50	49	NE	5	c	6
Stornoway	30.02	50	50	NE	5	o	5
Aberdeen	29.81	47	46	N	6	o r q	8
Shields	29.51	50	49	NNE	6	r	5
Ardrossan	29.81	54	48	N	2	d	1
Malin Head ...	29.91	58	49	N	7	bc	4
Mullaghmore ...	29.55	55	49	NNW	7	bc	5
Belmullet	30.07	55	52	N	2	c	*

	BAR.	THER. D.	THER. W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.73	51	48	NNW	8	o m q p	7
Valencia	30.10	60	56	NNW	3	bc	3
Scilly	29.54	57	54	NW	5	bc	4
Jersey	29.86	55	52	WNW	4	bc	0
Dungeness	29.70	56	54	WSW	6	c p	5
London	29.66	59	54	WSW	4	o	*
Yarmouth	29.63	57	52	SSW	5	bc	4
Rochefort	30.05	63	57	WNW	4	bc	2

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather dull over the northern parts of the United Kingdom and also in the south of Scandinavia, with heavy rain in the south and east of Scotland; showery over the southern parts of our Islands. Rain falling over western Germany, Switzerland and the north of Italy. Fog reported at many of the Baltic stations, but weather fine and bright in Russia, Austria, E.rn Germany, central France, Ireland, Spain and the Mediterranean. Further large quantities of rain reported in the E. of Scotland during day; thunderstorms occurring in the SE. of England, as well as in some parts of France and Germany, with heavy rain (1·3 ins.) at Berlin.

Temperature highest 82° at La Calle, 75° at Brindisi, and 73° at Sanguineire; above 70° at several of the Mediterranean stations and above 65° over S.rn Europe generally. Lowest 39° at Archangel, 41° at Haparanda and Kuopio and 45° at Bodö; below 50° over N.rn Europe generally, as well as in many parts of Gt Britain. Daily maxima below 60° at all but our extreme S.rn stations and below 55° in the northern parts of the Kingdom; thermometer exceeding 65° in France and reaching 72° at Berlin.

Wind strong from the N.rly or NE.rly in the N. of our Islands, with a gale at Aberdeen; fresh or strong from the NW.rly on our W. and SW. coasts and moderate from the same quarter in the W. of France; fresh from the W.rly over the S. and E. of England; light from the S.rly or SE.rly over Denmark, Germany and the Baltic. W. or NW. over the northern parts of Russia and Scandinavia; variable in the S. of Russia; and SE. in Italy. Subsequently increasing to a gale from the N.rly over the Irish Sea and the N. of Ireland, but moderating somewhat in Scotland.

Barometer highest 30·2 ins. and upwards in an anticyclone lying over the S. of Russia; 30·1 ins. and upwards in another system extending from the Atlantic over Spain and the Bay of Biscay. Lowest 29·4 ins. and less in a deep depression lying off the NE. coasts of England; 29·6 ins. and less in a shallow area lying to the N.rly of Russia. Depression over North Sea subsequently moving slowly southwards along our E. coasts; other disturbances apparently forming over Denmark and the Baltic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Wednesday 23rd September. 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom.: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.54	32	W	2	6	29.98	+.18	36	33	0	NW	2	c	*	45	32	—
	Hernösand ...	30.06	39	W	2	6	30.16	+.21	39	36	−1	NNW	1	6	*	39	34	—
	Stockholm ...	29.94	41	N	2	6	30.08	+.26	42	41	−3	NW	2	0	*	52	39	—
	Wisby	29.92	48	NE	8	bc	30.01	+.27	48	42	−4	NNE	6	c	*	53	45	—
	Bodö	30.08	42	NW	2	6	30.13	+.11	41	38	−1	W	2	0	1	43	39	—
	Christiansund	30.14	45	NE	3	6	30.23	+.16	42	40	−1	SE	2	6	2	48	41	—
	Skudesnaes ...	30.05	54	NNW	2	c	30.25	+.36	53	44	−1	SSE	4	c	2	64	48	—
	Christiania Fjord (Færder)	30.06	37	NNE	3	6	30.23	+.31	45	40	−3	NNE	3	6	1	52	45	—
	Skagen (The Scaw)	30.01	49	ENE	5	6	30.20	+.39	48	44	−3	ENE	1	6	0	53	45	—
	Fanö	29.88	49	NE	6	0	30.12	+.41	46	44	−10	ENE	4	6	*	57	45	0.59
BRITISH ISLANDS.	Sumburgh Head	30.11	48	NE	3	0	30.12	+.06	51	47	+4	E	0	c	3	51	46	—
	Stornoway ...	30.07	49	E	3	c	30.03	−.07	49	47	0	SW	3	bc	3	53	44	—
	Wick	30.12	49	N	3	0	30.12	+.01	51	49	+2	S	3	c	3	52	47	—
	Nairn	30.09	48	ENE	1	c	30.09	+.04	46	45	−3	E	0	6	0	52	33	—
	Aberdeen ...	30.09	47	NNW	2	0	30.17	+.14	53	51	+5	SSE	2	bw	3	53	41	—
	Leith	30.06	51	NE	3	0	30.15	+.15	49	47	0	E	1	bc	*	52	42	—
	Shields	29.99	50	N	4	0	30.15	+.29	50	49	−1	E	0	cm	4	52	46	0.17
	Spurn Head ...	29.90	55	NNE	3	c	30.10	+.31	56	53	0	NNE	3	bc	4	59	47	0.04
	York	29.95	53	NNW	2	r	30.14	+.30	50	49	−1	NW	1	c	*	57	46	0.09
	Loughborough	29.90	55	WNW	1	c	30.10	+.33	51	50	0	WNW	2	cmw	*	63	49	—
	Ardrossan ...	30.06	52	ENE	2	bc	30.13	+.11	48	45	−4	NE	2	cm	1	57	41	—
	Malin Head ...	30.01	54	SE	3	6	30.01	0.0	50	49	−2	SSE	4	bw	2	55	46	—
	Mullaghmore ...	30.01	57	E	2	c	30.00	−.03	53	50	+5	SE	5	c	3	58	48	—
	Belmullet ...	29.99	54	W	1	6	29.91	−.12	53	50	+1	SSE	2	0	*	61	49	—
	Donaghadee ...	30.03	53	E	2	bc	30.11	+.11	53	51	+2	SE	3	0	2	55	50	0.01
	Liverpool (Bidston)	30.00	53	NE	3	c	30.17	+.25	51	50	−2	SE	1	m	1	58	47	—
	Holyhead ...	30.01	54	NE	3	cg	30.11	+.20	54	52	−1	ESE	1	bw	2	56	47	—
	Parsonstown ...	30.03	55	S	0	bc	30.02	−.01	53	50	+9	S	0	bc	*	58	42	—
	Valencia	30.01	53	S	2	bc	29.96	−.09	54	53	+5	SE	6	r	6	60	48	0.02
	Roche's Point ...	30.05	55	W	1	6	30.05	+.04	56	56	+6	S	4	bc	4	60	47	—
	Pembroke (St. Ann's Hd.)	29.99	54	NNE	3	6	30.10	+.21	56	55	+1	SE	2	bcmw	1	59	48	—
	Scilly	30.01	55	N	4	bc	30.09	+.15	56	54	+2	SE	3	bcw	3	57	50	—
	Prawle Point ...	29.94	54	N	1	6	30.14	+.30	57	55	+4	NNE	1	bwm	0	64	47	—
	Jersey (St. Aubin's)	29.91	57	NW	4	bcp	30.14	+.35	58	55	+2	NNW	3	bm	3	60	41	—
	Hurst Castle ...	29.89	55	NNE	3	bctp	30.14	+.38	52	50	0	NNE	3	bm	2	62	46	0.10
	Dungeness ...	29.80	56	NE	4	cp	30.06	+.42	53	53	+2	W	1	0	0	58	45	0.10
	London	29.90	53	NNE	2	bc	30.10	+.35	54	52	+2	NNE	1	0fg	*	61	50	0.17
	Oxford	29.97	50	NW	2	bc	30.14	+.38	51	49	+1	NW	1	0	*	60	48	0.06
	Cambridge ...	29.91	53	N	1	c	30.10	+.35	55	54	+2	N	1	6	*	68	50	0.20
	Yarmouth ...	29.84	58	NE	4	bc	30.02	+.31	57	56	+2	NNE	4	c	4	60	51	0.10
GERMANY & HOLLAND.	Cuxhaven ...	29.79	53	NW	3	bc	30.03	+.28	53	52	−1	E	5	0	*	61	51	0.04
	Berlin	29.82	53	WNW	3	r	29.99	+.23	51	50	−4	NNE	4	c	*	57	48	0.35
	Wiesbaden ...	*	*	*	*	*	30.00	+.16	52	50	+6	S	0	c	*	55	48	0.16
	Munich	29.94	46	SW	5	6	30.00	+.10	47	44	0	NW	3	0	*	55	43	0.20
	The Helder ...	29.87	57	NNE	1	c	30.04	+.26	57	54	+7	NW	1	c	1	59	50	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.05	+.34	45	45	−5	S	0	f	*	59	38	0.08
	Cape Gris Nez	29.79	55	NNE	4	0	30.02	+.41	55	53	+5	N	3	bc	3	55	48	0.08
	Paris	29.77	52	W	2	r	30.05	+.32	48	47	−2	NNW	2	6	*	59	46	0.08
	Brest	?	56	NW	3	c	?	?	51	50	−3	E	1	6	3	?	48	—
	Lorient	29.97	58	NW	5	c	30.14	+.21	49	49	−6	ENE	1	6	2	59	48	—
	Rochefort ...	? 29.95	60	WNW	6	c	? 30.10	+.15	53	52	−8	NNE	5	6	*	65	50	0.16
	Belfort	29.91	58	W	3	c	? 29.97	+.12	55	50	−1	W	3	0	*	65	38	0.24
	Lyons	29.97	50	N	1	r	30.01	+.04	49	47	−2	NNW	1	r	*	63	45	0.35
	Nice	29.78	63	W	7	6	29.79	−.02	53	46	−2	NW	4	6	0	77	54	—
	Perpignan ...	30.02	65	NW	3	0	30.08	+.01	58	53	−2	NW	2	0	*	69	55	—
	Biarritz	30.07	65	NW	5	bc	30.12	+.02	57	55	+5	SE	3	6	3	66	54	0.47
PENINSULA.	Corunna	*	*	*	*	*	30.15	+.02	64	59	+4	NNW	4	6	3	75	60	—
	Lisbon	30.09	65	NNW	5	6												

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Wednesday, 23rd Sept. 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

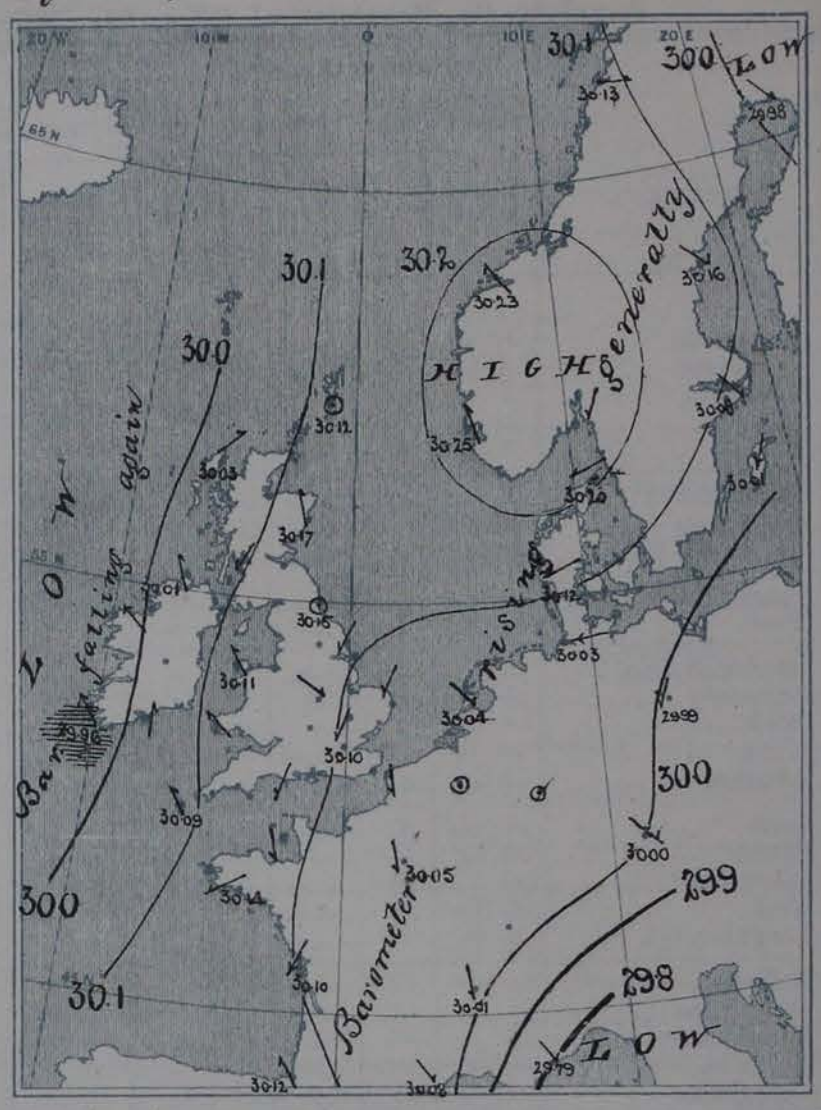
BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

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

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

SEA DISTURBANCE—Where considerable, is shewn thus:

= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

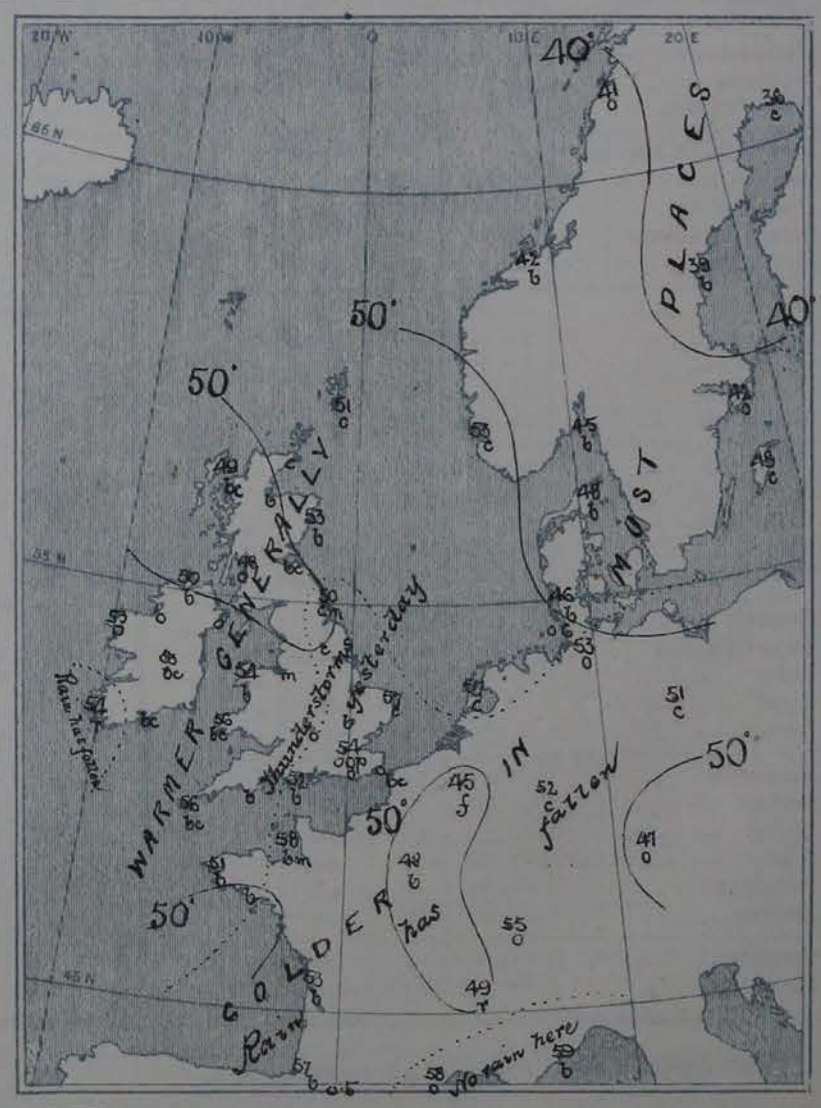
STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·993
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948

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

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

WEATHER is shown by Letters of the Beaufort Scale.

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



MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	4·19
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·4	49·7	2·97
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·59
Spurn Head	60·4	52·7	55·5	53·8	2·62
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·9	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·3	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 ins: and more, in an anticyclone over Norway, and exceeding 30·0 ins: all over Scandinavia, the North Sea, France, Spain, and the Bay of Biscay.

Lowest, below 30·0 ins: off the west of Ireland, and below 29·8 ins: over the Gulf of Genoa

Gradients slight except over the southeast of France.

Barometer rising slowly in the east and south, falling slowly in the west.

TEMPERATURE

Highest, 64° at Lisbon, 59° at Nice, 58° at Jersey, and 54° in London and at Valencia Island.

Lowest, (1) 36° at Haparanda, 39° at Haparanda; (2) 47° at Munich, 48° at Paris.

The daily maxima yesterday ranged between 60° and 65° in many parts of England. At Cambridge 68° was recorded.

WIND

Light to moderate from the N.wd over the greater part of England, the Channel and Bay of Biscay; Calm on our northeast coasts; S.wd and SE.wd in the west and increasing at Valencia Island. The N.wd wind was dying out.

WEATHER

Fine and bright in many places, but still dull, damp, and unsettled at some of the southeastern stations, and becoming rainy and unsettled in the extreme west. Further falls of rain and hail occurred in the east and south yesterday, with thunder in places. The appearance at 8 am is not settled.

SEA

has become rough at Valencia Island, but has gone down greatly in the northeast. On our east coasts it is moderate in the Channel smooth

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed in the southeast yesterday has filled up completely and the N.wd wind has died down to a light breeze. In the extreme west of our Islands, however, a fresh (but slight) fall of the barometer has set in, and the wind in those regions has shifted to the SE.wd with a rise of temperature, some rain, and an increase of sea at Valencia Island. These S.wd conditions appear likely to spread eastwards slowly, but do not at present appear to be of a threatening character.

FORECASTS

For the 24 hours ending at NOON on 24th Sept: 1891.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S.wd breezes, moderate; some rain, milder.
1 SCOTLAND EAST	N.wd winds, becoming variable and calm; fair, hazy, cold tonight.
2 ENGLAND N.E.	
3 ENGLAND EAST	
4 MIDLAND COUNTIES	Variable airs and Calms, then light S.wd breezes; fair, milder, hazy or foggy.
5 ENGLAND SOUTH	
6 SCOTLAND WEST	S.wd breezes, moderate; some rain, warmer.
7 ENGLAND N.W.	
8 ENGLAND S.W.	
9 IRELAND NORTH	S.wd winds, freshening; rain at times.
10 IRELAND SOUTH	
WARNINGS	None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.96	50	50	ESE	2	c	2
Sumburgh Head	30.11	50	45	NE	3	c	5
Stornoway	30.11	52	48	NE	4	c	4
Aberdeen	30.08	50	46	NNE	4	cq	5
Shields	29.96	51	49	N	5	cq	6
Ardrossan	30.04	56	51	ENE	2	bc	1
Malin Head ...	30.02	55	50	E	3	b	2
Mullaghmore ...	30.02	58	52	NE	2	bc	3
Belmullet	30.03	61	53	SW	1	b	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.99	55	52	NNE	5	cq	5
Valencia	30.02	60	53	SE	2	fbv	2
Scilly	29.98	56	53	SE	2	bc	4
Jersey	29.86	58	53	NW	4	cp	4
Dungeness	29.72	58	54	ENE	4	bc	3
London	29.75	60	55	NNE	3	bc	*
Yarmouth	29.82	60	56	NE	4	bcv	4
Rochefort	29.94	65	59	W	6	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather fine and bright in the west and south of our Islands, as well as over Scandinavia, northern Russia and the greater part of southern Europe. Cloudy or overcast elsewhere, with fog on the southern shores of the Baltic, passing showers in the east of England, and steady rain at some of the German and Austrian stations. Thunderstorms occurring during day in many parts of England, and rain falling at most of the French stations.

Temperature highest 78° at Lakolle, 77° at Hyeres, 75° at Brindisi and Malta, and 73° at Algiers; above 70° over the central and southern parts of the Mediterranean generally, and above 60° in most parts of southern and eastern Europe. Lowest 36° at Haparanda and Uleaborg, 38° at Archangel, and 40° at Kuopio and Hernösand; below 45° over the northern parts of Russia and Scandinavia generally, as well as over Central Ireland. Daily maxima below 60° in all the more northern parts of the United Kingdom, and below 55° in many places, but thermometer rising to 64° at Rhyl and Point, and 68° at Cambridge.

Wind moderate to strong from the N^ern or NE^ern over the greater part of our Islands, but from the NW^ern over the Channel and Bay of Biscay. Light from the SW^ern over central France, and from the SE^ern over the Netherlands. N^ly (NW to NE) over Scandinavia and northern Russia, and NE^ly in the Baltic, but W^ly over Denmark and eastern Germany, and S^ly in the south of Russia. Chiefly SW^ly in Italy, but NE^ly in Spain, and variable in Algeria. Subsequently shifting to the S^ern in the east of Ireland, and falling light or moderate in all parts of our Islands.

Barometer highest 30·1 ins: and upwards in three large areas, – one lying to the north of our Islands, another over Spain and the Bay of Biscay, and a third over the Black Sea and the south of Russia. Lowest 29·5 ins: and less, in a depression lying over the Baltic Provinces, 29·6 ins: and less, in a shallow area over the extreme north of Russia, 29·7 ins: and less, in a well marked disturbance lying off the south east of England. Last mentioned depression subsequently moving southwards, and filling up, but new system beginning to appear off our west coasts.

Remarks on the Weather for 24 hours ending 8 am on 20th Sept 1891.

Weather in morning, continuing fine and bright over the southern half of Europe and the Mediterranean, cloudy and unsettled over the northern half, with fog in several places, rain in others. Air close and oppressive over the United Kingdom. Showers in many of the northern regions later, and heavy falls of rain over the extreme southwest of England and in Wales.

Temperature at 8 am. exceeding 70° at many of the Mediterranean stations and exceeding 60° in many parts of France and England; lower elsewhere. Lowest 31° at Archangel, 38° at Uleaborg, 40° at Bodö, 41° at Moscow and 43° at St Petersburg. Rising to between 60° and 66° over England later, to 70° and more in many parts of France, to 80° and more over Italy, and to 90° and more over Algeria. Falling fast over Ireland at night.

Wind very light, variable and anticyclonic over Spain, France, Germany and the Mediterranean; mainly W^ly, light to moderate, over the more northern countries, but S^ly over the northern half of Russia, a W^ly gale reported at Wisby. Shifting to the NW^ern over Ireland and to S. or SE. at the English stations later, but not blowing hard; veering SW^ly over Finland.

Barometer highest 30·2 ins. and more to 30·0 ins. in a large anticyclone covering central, western and southern Europe and exceeding 30·1 ins. over the Bay of Biscay and Spain. Lowest 29·4 ins. and less in a "V" shaped depression forming at mouth of English Channel later and travelling northeastward over England; northern depression moving northward to the Arctic Sea.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Thursday 24th Sept; 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	30·00	33	E	0	bc	29·79	−·19	40	38	+4	W	2	0	*	43	30	—
	Hernösand ...	30·18	40	NW	2	b	30·09	−·07	41	38	+2	E	0	b	*	54	30	—
	Stockholm ...	30·16	42	E	0	b	30·22	+·14	41	38	−1	W	2	b	*	50	36	—
	Wisby														*			
	Bodö	30·08	43	WSW	4	0	29·95	−·18	44	43	+3	W	8	r	5	?	37	0·16
	Christiansund	30·21	51	SW	4	c	30·15	−·08	50	48	+8	W	2	c	3	?	46	—
	Skudesnaes ...	30·30	46	E	0	b	30·25	0·0	52	47	−1	SSE	4	0	3	?	45	—
	Christiania Fjord (Færder)	30·24	51	NNW	3	b	30·23	0·0	45	45	0	N	3	f	1	52	45	—
	Skagen (The Scaw)	30·26	44	E	0	b	30·28	+·08	46	44	−2	WSW	1	b	0	55	41	—
	Fanö	30·30	45	E	2	b	30·30	+·18	47	47	+1	SE	3	b	*	55	39	—
BRITISH ISLANDS.	Sumburgh Head	30·13	51	SSE	3	bc	29·98	−·14	52	51	+1	SSE	5	0	5	55	46	—
	Stornoway ...	29·98	55	S	5	0	29·75	−·24	52	52	+3	S	4	r	4	56	47	0·12
	Wick	30·08	53	S	4	b	29·98	−·22	52	52	+1	S	6	0	5	59	50	—
	Nairn	30·03	51	SW	2	bc	29·98	−·20	55	53	+5	S	2	0	1	61	44	0·03
	Aberdeen ...	30·16	52	SSE	3	c	30·01	−·16	53	51	0	SSE	4	0q	4	56	52	—
	Leith	30·13	57	E	1	0	30·00	−·15	53	51	+4	E	0	rm	*	59	43	—
	Shields	30·16	53	ESE	2	b	30·08	−·07	52	50	+2	SSE	2	c	2	57	45	—
	Spurn Head ...	30·17	56	ENE	2	c	30·16	+·06	54	52	−2	S	3	bw	3	59	45	—
	York	30·18	58	E	2	bc	30·15	+·01	48	47	−2	SE	1	f	*	64	44	—
	Loughborough	30·14	56	E	1	b	30·15	+·05	50	49	−1	SSW	3	cmw	*	67	43	—
	Ardrossan ...	30·09	55	NE	2	bc	29·94	−·19	55	54	+7	E	4	r	3	58	47	0·18
	Malin Head ...	29·95	56	SSE	3	or	29·83	−·18	54	54	+4	WSW	4	0	2	59	50	0·55
	Mullaghmore ...	29·95	56	SE	5	pog	29·86	−·14	56	54	+3	S	4	bc	3	60	53	0·27
	Belmullet ...	29·88	56	SSE	4	op	29·83	−·08	56	55	+3	SSW	4	0	*	58	54	0·62
	Donaghadee ...	30·07	56	SSE	3	0	29·98	−·18	55	55	+2	SSW	5	r	3	58	53	0·21
	Liverpool (Bidston)	30·15	56	SE	2	b	30·07	−·10	52	51	+1	SE	3	r	3	61	48	0·02
	Holyhead ...	30·12	57	SW	1	c	30·01	−·10	55	55	+1	S	5	rmq	4	62	53	0·10
	Parsonstown ...	30·01	54	SE	1	r	29·97	−·05	55	54	+2	E	0	b	*	60	51	0·12
	Valencia	29·89	59	SSE	6	qrm	29·98	+·02	57	56	+3	SW	4	0	4	60	54	0·81
	Roche's Point ...	30·00	55	S	5	rm	30·04	−·01	56	54	0	W	1	bc	3	58	54	0·25
	Pembroke (St. Ann's Hd.)	30·13	57	SSE	3	bc	30·05	−·05	57	57	+1	S	5	rqm	5	60	54	0·30
	Scilly	30·10	57	SSE	4	orm	30·09	0·0	56	56	0	W	3	f	4	61	53	0·28
	Prawle Point ...	30·15	56	S	1	bc	30·18	+·04	55	55	−2	S	5	rtu	4	60	54	0·13
	Jersey (St. Aubin's)	30·21	62	SSW	2	bm	30·24	+·10	59	56	+1	SSE	3	ogmr	3	66	49	0·01
	Hurst Castle ...	30·20	58	NE	1	b	30·21	+·07	59	58	+7	S	4	c	2	64	52	—
	Dungeness ...	30·16	57	WSW	1	0	30·24	+·18	60	56	+7	SW	3	bc	2	60	48	0·03
	London	30·19	53	N	1	bm	30·23	+·18	55	53	+1	SW	2	bw	*	60	42	—
	Oxford	30·22	49	E	0	b	30·20	+·06	50	50	−1	SE	1	cw	*	61	45	—
	Cambridge ...	30·18	55	N	1	c	30·22	+·12	52	51	−3	SW	1	b	*	60	43	—
	Yarmouth ...	30·15	60	NE	3	bc	30·21	+·19	54	53	−3	WSW	1	bf	4	62	52	—
GERMANY & HOLLAND.	Cuxhaven ...	30·22	51	E	2	b	30·32	+·25	48	46	−5	S	1	b	*	57	47	—
	Berlin	30·25	51	NNE	2	b	30·38	+·35	49	45	−2	NE	2	b	*	57	45	—
	Wiesbaden ...	*	*	*	*	*	30·32	+·32	53	50	+1	W	1	0	*	57	50	—
	Munich	?	48	W	4	0	30·34	+·34	45	44	−2	NE	5	bc	*	52	45	0·08
	The Helder ...	30·23	58	S	1	c	30·29	+·25	53	51	−4	SSE	1	b	1	63	52	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30·30	+·25	50	49	+5	ESE	1	m	*	66	43	—
	Cape Gris Nez	30·14	58	WSW	1	bc	30·21	+·19	54	54	−1	WSW	1	m	1	61	50	—
	Paris	30·21	55	ENE	2	b	30·32	+·27	42	42	−6	E	0	b	*	65	40	—
	Brest	30·20	61	SSW	2	bc	?	?	60	59	+9	SSW	4	0	4	66	59	—
	Lorient	30·21	59	S	2	b	30·22	+·08	61	55	+12	S	2	0	3	64	48	—
	Rochefort ...	2.30·23	63	NW	3	b	?30·25	+·15	54	52	+1	ESE	3	bc	*	70	50	—
	Belfort	?	56	E	2	c	?	?	53	46	−2	E	2	f	*	65	37	—
	Lyons	30·17	51	NW	3	c	30·28	+·27	48	44	−1	N	3	b	*	55	44	0·20
	Nice	29·85	58	NE	6	c	30·08	+·25	58	47	−1	NE	2	b	2	72	52	—
	Perpignan ...	30·13	62	NW	4	b	30·23	+·15	55	49	−3	W	3	b	*	69	48	—
	Biarritz	30·20	64	NE	3	b	30·21	+·09	52	51	−5	ESE	4	b	2	68	50	—
PENINSULA.	Corunna	*	*	*	*	*	30·16	+·01	62	58	−2	N	3	bc	5	79	61	—
	Lisbon	30·14	65	NW	5	b												

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Thursday, 24th Sept. 1891.

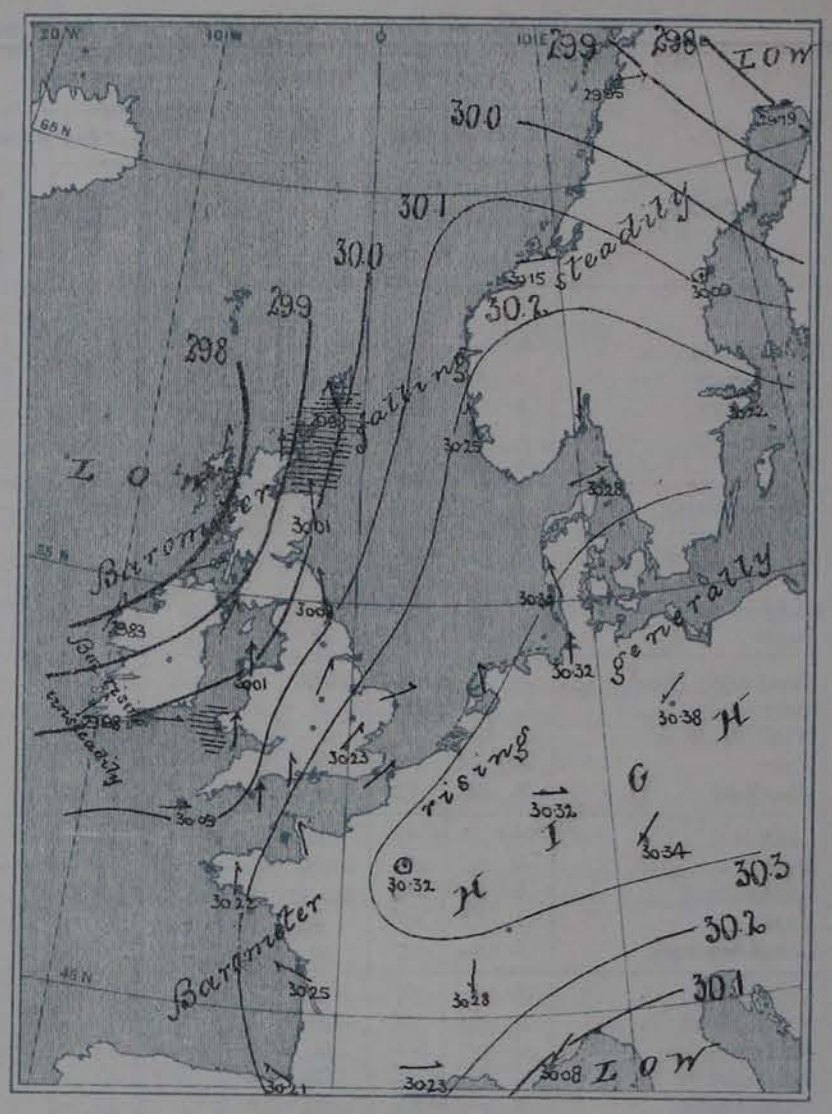
BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

WIND—Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

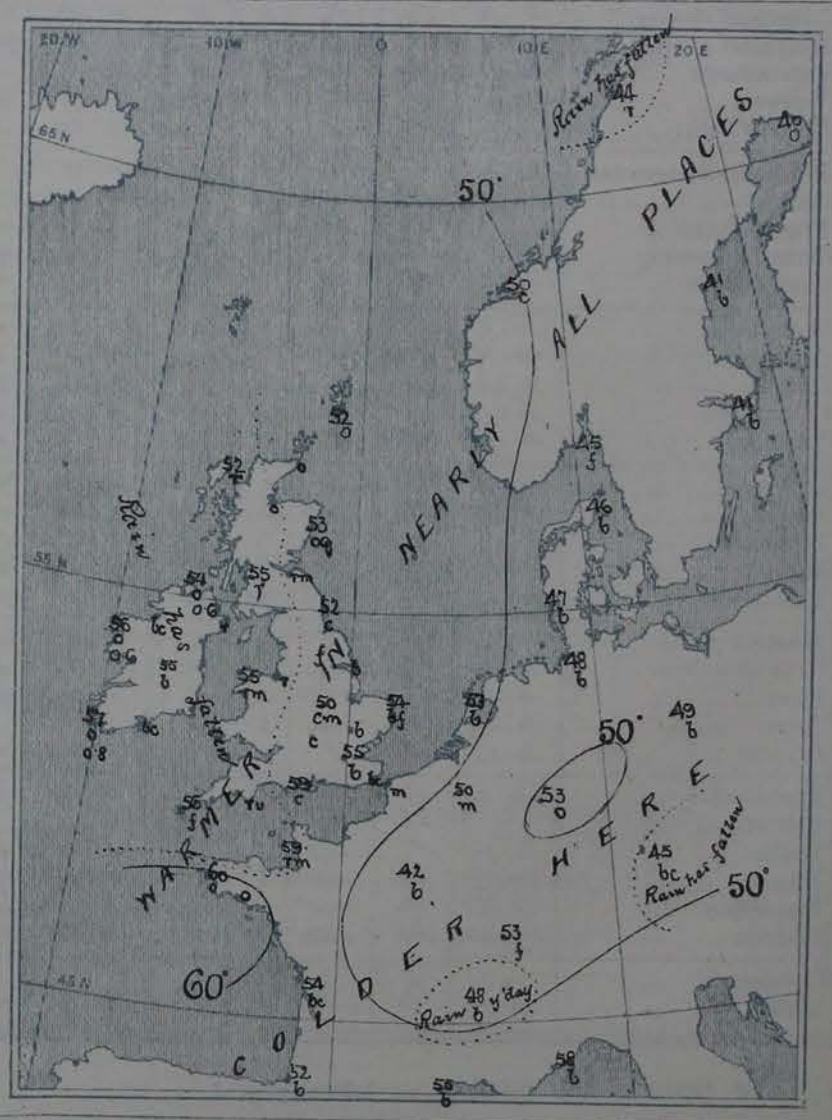
STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·820
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·947
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·934
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948

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

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

WEATHER is shown by Letters of the Beaufort Scale.

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



MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry	Wet	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	4·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·8	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·59
Spurn Head	60·4	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·9	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	54·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·25
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and more to 30·1 in: in an anticyclone covering Germany, the Baltic, North Sea, France, and the greater part of England.
Lowest, 29·8 in: and less off our extreme northwestern coasts and also over Lapland and the Kola Peninsula.
Gradients moderate in the northwest ~~in the northwest~~ and extreme north of our area and also over the southeast of France, slight elsewhere.
Barometer falling in the northwest and north, rising in the east and south, at Valencia Island it is rising unsteadily.

TEMPERATURE

Highest, 62° at Lisbon, 61° at Lorient, 60° at Aberdeen.
Lowest, 40° to 41° over Sweden and the north of Norway, 47° at Paris, 48° at Yarmouth.
It has been very low over England during the night, but was rising fast at 8 am.

WIND

S. to SW. all over the British Isles, the Channel, and North Sea. It is fresh and squally at our western and northern stations, light in the east and south.
Over the southern and southeastern parts of France the wind is E.

WEATHER

Fine and bright over Germany, France, and the southeastern half of England, unsettled elsewhere.
Rain has fallen in the southwest, west, and north and is continuing at several stations. The fall, however, has not been large, except at Valencia Island, Belmullet and Malin Hd.

SEA

Rather rough in the north and west, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer having risen decidedly over Germany, the Netherlands, and France, and slowly over the southeastern half of England, while it has fallen briskly at our northwestern and northern stations and in the north of Scandinavia, the distribution of pressure has become favourable for a SW. current generally. Winds from this quarter have spread all over the Kingdom, with showery weather at all but the southeastern stations, and the range of temperature has been large. The unsettled weather in the west and north is likely to become general, as the lower pressures in those regions appear to be spreading eastwards.

FORECASTS

For the 24 hours ending at NOON on 25TH SEPT 1891.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E.	SW. breezes; changeable, showery to fair.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	S. to SW. winds, moderate; fair at first then showery.
6 SCOTLAND WEST 7 ENGLAND N.W.	SW. breezes, fresh or strong; showery. changeable.
8 ENGLAND S.W.	W. and SW. winds; changeable, showery
9 IRELAND NORTH 10 IRELAND SOUTH	SW. and S. winds; unsettled, 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: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	30.30	60	48	S	2	b	2
Sumburgh Head	30.15	54	51	S	3	b	4
Stornoway	30.02	53	50	S	4	c	4
Aberdeen	30.16	55	51	SSE	4	bq	4
Shields	30.17	56	53	E	3	b	3
Ardrossan	30.10	58	56	NE	2	bc	1
Malin Head ...	29.97	58	56	SSE	4	o	1
Mullaghmore ...	29.97	!55	!53	ESE	5	ogr	3
Belmullet	29.93	56	54	SSW	4	o	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	30.18	62	56	S	2	b	2
Valencia	29.95	57	57	SE	6	rm	5
Scilly	30.10	61	58	SSE	4	c	3
Jersey	30.19	64	57	SE	3	bm	3
Dungeness	30.14	60	57	N	4	o	2
London	30.17	60	54	NE	1	og	*
Yarmouth	30.11	62	59	NE	4	b	4
Rochefort	30.17	68	61	NNE	3	b	2

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather fine over the greater part of the United Kingdom, as well as in most parts of northern, central, and southern Europe, but rainy in the southwest of Ireland and also at Lyons and Trieste. Dull and rainy over all the more central parts of Russia. Heavy rain falling later in the west and north of Ireland, and smaller amounts in the western parts of our Islands generally.

Temperature highest 79° at Sfax, 76° at Malta, 75° at Constantinople, and 74° at Brindisi and Algiers; above 60° in most parts of southern Europe. Lowest 34° at Ulealeg, 35° at Archangel, Moscow, and Helsingfors, and 36° at Haparanda, below 45° over northern Europe generally and below 50° in many parts of Germany. Daily maxima below 60° at several of our western and northern stations, but thermometer reaching 66° at Jersey and 67° at Loughborough. Exceeding 70° in the south of France, and reaching 79° at Lisbon.

Wind SE$^{\frac{1}{2}}$ or S$^{\frac{1}{2}}$ in the west and north of our Islands and also in the west of Norway, light or moderate in force generally, but strong at Valencia Island. N$^{\frac{1}{2}}$ over Sweden and northern Russia, and NE$^{\frac{1}{2}}$ over Denmark and the Baltic, but W$^{\frac{1}{2}}$ over Austria, and SW$^{\frac{1}{2}}$ or S$^{\frac{1}{2}}$ in the south of Russia. N$^{\frac{1}{2}}$ or NE$^{\frac{1}{2}}$ in the east and south of England, and NW$^{\frac{1}{2}}$ in France, SW$^{\frac{1}{2}}$ or S$^{\frac{1}{2}}$ in Italy, — strong in force at Leghorn. Variable in Spain and Algeria. No important change occurring during day.

Barometer highest 30·2 in: and upwards, over the south of Scandinavia, 30·1 in: and upwards in a large anticyclone extending northwards from Spain across the west of France and the more central parts of our Islands to the west of Norway. Lowest 29·5 in: and less, in a large shallow depression lying over Central Russia; 29·8 in: and less, in two small disturbances lying respectively over the Gulf of Genoa and the northern part of the Adriatic; 29·9 in: and less, in a small disturbance lying off the west of Ireland. Very little change occurring 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 transpareney; w. dew.

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

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

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 Friday, 25th September, 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.84	37	W	2	b	30.05	+.26	31	30	-9	N	0	bc	*	46	30	-
	Hernösand ...	30.05	46	SW	2	b	30.03	-.06	42	41	+1	N	0	f	*	57	30	-
	Stockholm ...	30.12	47	W	2	b	30.11	-.11	46	45	+5	SW	2	b	*	?	48	-
	Wisby	30.13	52	W	4	b	?		51	49		WSW	4	c	*	54	45	-
	Bodö	30.00	40	N	0	0	29.83	-.12	43	41	-1	E	2	0	1	46	37	0.04
	Christiansund	30.04	51	ESE	3	c	29.75	-.40	51	47	+1	ESE	4	bc	3	55	48	0.04
	Skudesnaes ...	30.08	55	SSE	4	0	29.99	-.26	56	54	+4	WSW	2	0	4	56	48	0.24
	Christiania Fjord (Færder)	30.13	54	WSW	5	b	30.01	-.22	56	55	+11	SSW	3	0	3	?	?	-
	Skagen (The Scaw)	30.18	54	WSW	4	0	30.08	-.20	53	52	+7	WSW	4	bc	1	55	45	-
	Fanö	30.23	48	SSW	2	b	30.15	-.15	59	57	+12	SW	4	c	*	59	46	-
BRITISH ISLANDS.	Sumburgh Head	29.78	52	S	4	0	29.90	-.08	52	50	0	W	2	b	4	55	45	0.04
	Stornoway ...	29.77	53	W	4	0	29.91	+.12	52	51	0	W	2	c	3	58	40	0.37
	Wick	29.79	52	NW	2	bc	29.98	+.08	51	49	-1	W	2	b	1	59	46	0.03
	Nairn	29.82	55	SSW	1	bc	29.97	+.08	52	50	-3	N	0	c	1	62	47	-
	Aberdeen ...	29.90	54	SSW	2	c	30.03	+.02	53	49	0	SW	1	bw	3	56	42	-
	Leith	29.93	61	SSW	2	bc	30.06	+.06	53	50	0	WSW	1	cm	*	63	49	0.17
	Shields	30.00	58	S	3	m	30.11	+.03	53	51	+1	S	2	bm	2	59	49	0.03
	Spurn Head ...	30.10	57	S	4	bc	30.16	.00	55	53	+1	SSW	3	bcmw	3	61	51	-
	York	30.08	58	SSE	2	bc	30.15	.00	51	50	+3	S	1	bc	*	60	45	-
	Loughborough	30.11	57	SW	3	c	30.17	+.02	53	53	+3	SSE	1	cmw	*	60	47	-
	Ardrossan ...	29.96	57	SW	4	bp	30.06	+.12	54	52	-1	SW	2	0	1	59	52	0.05
	Malin Head ...	29.91	56	WSW	4	b	29.97	+.14	49	48	-5	S	4	0	2	60	48	-
	Mullaghmore ...	29.99	56	SW	5	bc	29.99	+.13	54	52	-2	SSW	5	bc	3	61	49	0.01
	Belmullet ...	30.01	56	WSW	2	b	29.89	+.06	56	53	0	S	5	c	*	59	53	0.01
	Donaghadee ...	29.99	58	SW	3	bc	30.08	+.15	51	51	-4	SW	3	b	1	65	50	0.01
	Liverpool (Bidston)	30.10	58	SSW	2	bc	30.15	+.08	57	54	+5	SE	2	bc	3	64	51	0.11
	Holyhead ...	30.08	57	SW	5	c	30.12	+.11	57	55	+2	SSW	1	bcw	2	61	54	0.02
	Parsonstown ...	30.08	57	Z	0	c	30.07	+.10	49	48	-6	SE	1	c	*	65	45	-
	Valencia	30.10	58	WSW	2	c	29.99	+.01	57	56	0	SSE	6	ou	6	63	52	-
	Roche's Point ...	30.11	59	WSW	3	c	30.11	+.07	55	54	-1	SW	3	c	3	62	50	-
	Pembroke (St. Ann's Hd.)	30.15	57	SW	3	bc	30.15	+.10	57	56	0	S	2	cg	2	60	56	0.02
	Scilly	30.14	57	SSE	2	f	30.14	+.05	54	54	-2	ESE	2	f	5	60	52	0.01
	Prawle Point ...	30.19	57	S	3	f	30.20	+.02	57	57	+2	S	4	fqm	3	60	55	0.22
	Jersey (St. Aubin's)	30.24	61	SSE	3	0	30.27	+.03	61	56	+2	S	3	bcm	3	62	58	-
	Hurst Castle ...	30.21	59	SSW	4	odpm	30.24	+.03	60	60	+1	SSW	3	c	2	60	57	0.08
	Dungeness ...	30.23	60	WSW	3	c	30.25	+.01	61	59	+1	SW	4	og	3	64	58	0.01
	London	30.21	58	SW	2	ogm	30.23	.00	58	57	+3	S	1	o	*	65	54	0.08
	Oxford	30.21	55	WSW	2	b	30.21	+.01	57	56	+7	S	1	og	*	58	50	0.01
	Cambridge ...	30.19	57	S	2	o	30.23	+.01	57	55	+5	S	1	o	*	65	50	-
	Yarmouth ...	30.18	60	SSW	3	bc	30.21	.00	57	56	+3	WSW	2	cm	2	63	52	-
GERMANY & HOLLAND.	Cuxhaven ...	30.34	50	SSE	1	b	30.29	-.03	45	44	-3	S	2	m	*	60	44	-
	Berlin	30.39	51	SE	2	b	30.38	.00	43	42	-6	S	2	b	*	57	41	-
	Wiesbaden ...	*	*	*	*	*	30.39	+.07	45	44	-8	N	0	b	*	59	41	-
	Munich	30.41	60	E	3	b	30.39	+.05	36	35	-9	NE	2	b	*	54	30	-
	The Helder ...	30.27	53	SSW	1	b	30.25	-.04	58	57	+5	SW	1	c	1	63	50	-
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.32	+.02	55	50	+5	SSE	2	b	*	66	49	-
	Cape Gris Nez	30.22	59	WSW	2	c	30.23	+.02	58	57	+4	SSW	3	o	2	63	52	-
	Paris	30.29	56	E	1	b	30.35	+.03	45	45	+3	N	0	b	*	69	42	-
	Brest	?	61	SW	3	o	?	?	61	59	+1	SSW	3	c	3	63	57	-
	Lorient	30.28	63	S	2	c	30.25	+.03	57	56	-4	ESE	2	b	4	64	55	-
	Rochefort ...	30.24	64	ENE	3	o	30.22	-.03	56	53	+2	ESE	4	c	*	75	52	-
	Belfort	?	58	E	3	c	?	?	53	46	0	E	3	bc	*	67	34	-
	Lyons	30.27	57	N	1	b	30.37	+.09	45	43	-3	WSW	1	b	*	64	44	-
	Nice	30.15	59	W	1	b	30.28	+.20	59	47	+1	ENE	2	bc	1	72	52	-
	Perpignan ...	30.21	57	S	1	b	30.29	+.06	52	50	-3	SW	2	c	*	73	48	-
	Biarritz	30.16	64	E	3	o	30.17	-.04	58	55	+6	SE	3	o	2	72	52	-
PENINSUL.	Corunna	*	*	*	*	*												
	Lisbon	30.12	67	NW	5	bc	30.16	.00	63	60	+1	NNW	3	bc	3	77	61	-

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Friday, 25th Sept. 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

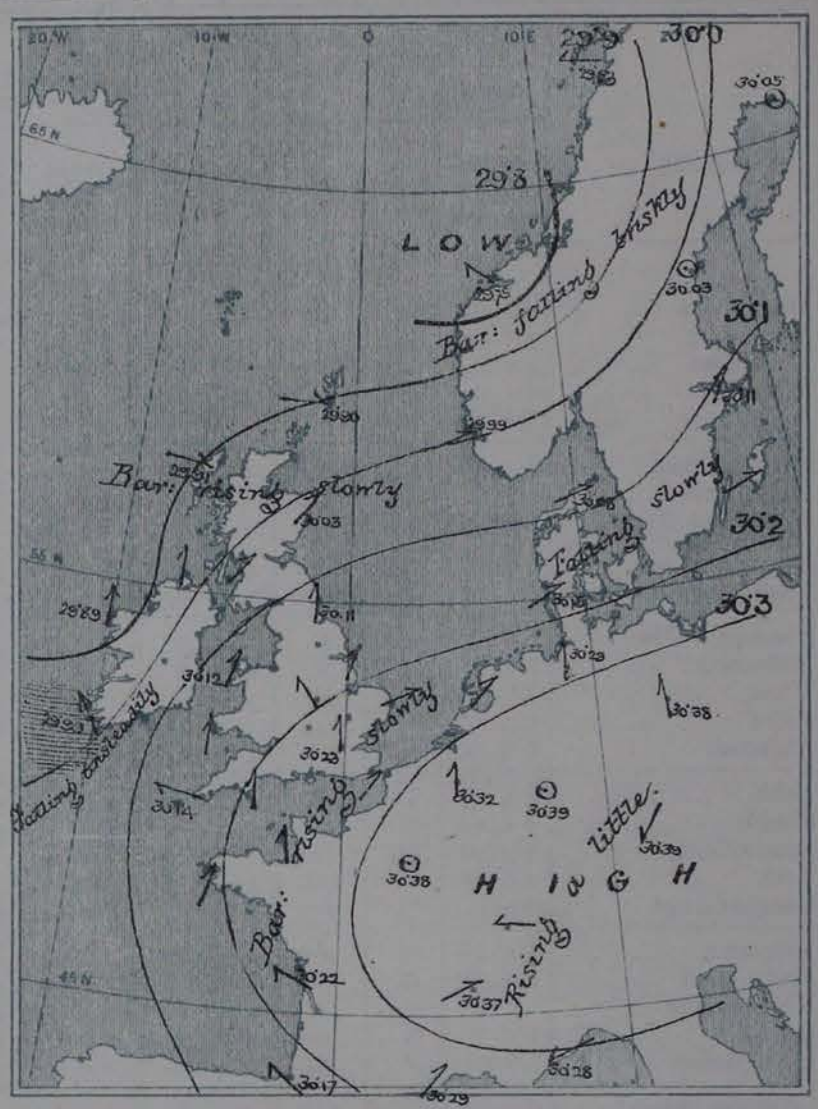
BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

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

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

SEA DISTURBANCE—Where considerable, is shewn thus:

= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·916
Pembroke	29·948
Scilly	29·971
Prawle Point	29·993
Jersey	29·988
Hurst Castle	29·991
Dover	29·979
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948

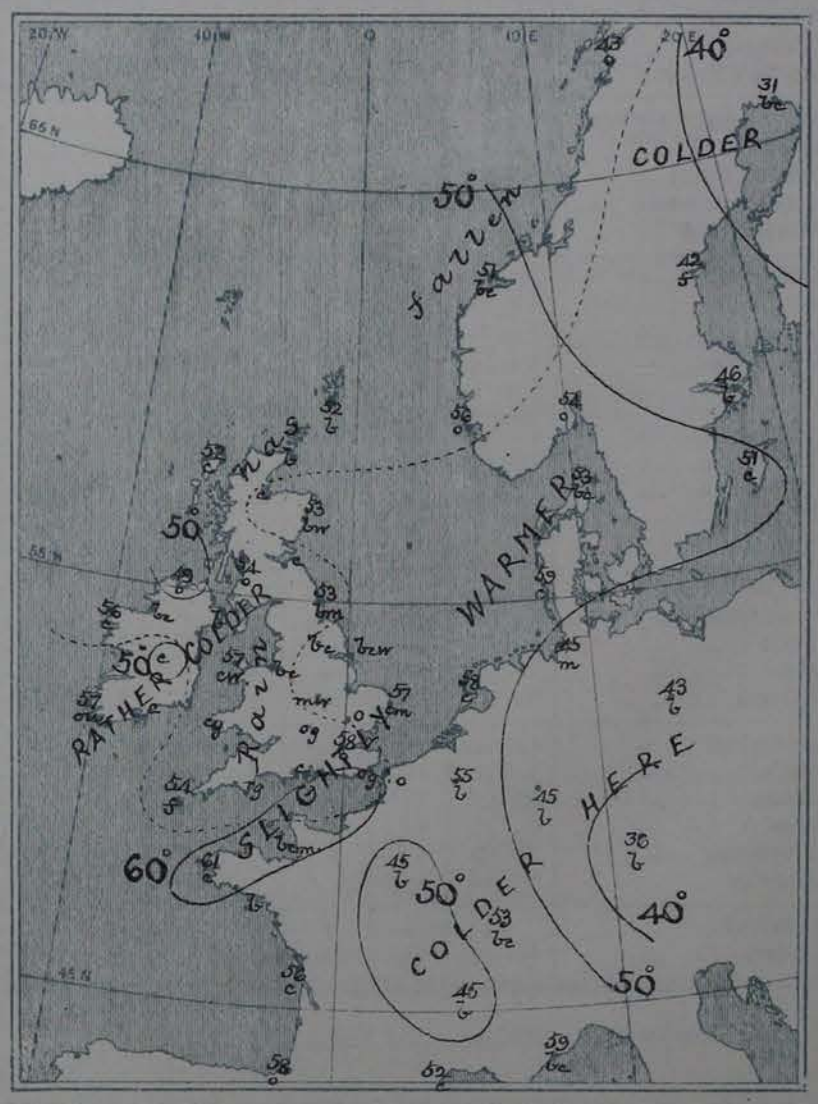
TEMPERATURE, & WEATHER AT 8 A.M.

WITH RAINFALL IN PAST 24 HOURS.

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

WEATHER is shown by Letters of the Beaufort Scale.

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



MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	1·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·1	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·9	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·4	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and upwards, to 30·1 in: in an anticyclone covering Germany, France, England, and the southern parts of the North Sea.

Lowest, 29·8 in: and less, off the west of Norway, and below 29·9 in: off the west of Ireland.

Gradients moderate. Barometer about steady in the east and south; changing fitfully in the west, falling unsteadily at Valencia Island.

TEMPERATURE

Highest, 63° at Lisbon, 60° to 61° over the southern half of the Channel, 58° in London.

Lowest, (1) 31° at Haparanda, 42° at Hernösand, 43° at Bodö; (2) 36° at Munich, 43° at Berlin, 45° at Wiesbaden, Lyons, and Paris; 52° in the north of Scotland.

The daily maxima recorded over Ireland and England yesterday ranged between 60° and 65°.

WIND

E^{ly}, light, over France; S^{ly} over Ireland, England, and the southern part of the North Sea, SW^{ly} to W^{ly} in Scotland and Denmark, E^{ly} in the northwest of Norway.

It is strong at Valencia Island only, very light over England, France, and Germany.

WEATHER

Very fine and bright over Germany and France, very variable over England, cloudy and unsettled in the west, with a threatening appearance at Valencia.

The newspapers report heavy snow to have fallen on the hills near Mantua and in the southeast of France.

SEA

Rough on our extreme southwest coasts, slight or smooth in the northeast, east, and south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Pressure continues high at the German, French, and English stations, low to the northwestward and northward, and depressions varying both in size and intensity continue to travel in a northerly direction outside our extreme northwestern coasts. Temperature is rather high for the time of year, and S^{ly} winds with close cloudy weather, and rain at times, are reported all over England and Ireland.

The general appearance is rather unsettled but not threatening for England, as the new disturbance now approaching Ireland seems to be V shaped and is advancing well to the northward.

FORECASTS

For the 24 hours ending at NOON on 26th Sept 1891.

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW^{ly} and S^{ly} winds; changeable, showery.
1 SCOTLAND EAST 2 ENGLAND N.E.	S^{ly} and SW^{ly} breezes, warm, some showers, but fine as a whole.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	S^{ly} breezes, light; fair, warm, close, cloudy at times.
6 SCOTLAND WEST 7 ENGLAND N.W.	Same as No 0.
8 ENGLAND S.W.	SE^{ly} and S^{ly} winds; close, misty, some rain.
9 IRELAND NORTH 10 IRELAND SOUTH	Varying S^{ly} winds; unsettled, 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: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	30·17	55	50	SSE	6	o	3
Sumburgh Head	29·87	53	51	ESE	5	c	5
Stornoway	29·74	58	66	SW	6	c	6
Aberdeen	29·92	54	52	S	4	o q g	4
Shields	30·02	57	55	S	3	o m	2
Ardrossan	29·93	58	56	S	4	c	3
Malin Head ...	29·85	58	55	WSW	5	b	3
Mullaghmore ...	29·89	59	55	SW	5	c	3
Belmullet	29·94	59	54	WSW	4	c	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	30·05	60	58	SW	5	bc	4
Valencia	30·07	62	60	WSW	4	bcm	4
Scilly	30·14	59	58	SSE	2	f	4
Jersey	30·26	62	58	S	3	o	3
Dungeness	30·24	64	60	SW	4	c	3
London	30·22	61	56	SSW	3	or	*
Yarmouth	30·20	63	58	SSW	3	bc	4
Rochefort	30·27	73	64	ESE	3	b	*

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

Weather in morning fine and bright over the southeast of England and the greater part of the Continent, but dull in the west and north of our Islands, with rain in Wales, the north of Ireland and the west of Scotland. Dull at most of the Russian stations and in Italy and Algeria, with rain at Pesaro and Rome. Slight rain falling later in most parts of the United Kingdom, as well as in the west of Norway.

Temperature highest 76° at San Fernando and Brindisi, 75° at Constantinople, 74° at Malta, and 73° at La Calle, above 60° over the central and southern parts of the Mediterranean generally and also on the coasts of the Iberian Peninsula, but below that point over central and northern Italy and the south of France. Lowest 34° at Archangel and Moscow, 35° at Wladog and St Petersburg, and 36° at Helsingfors; below 40° in some parts of Central Europe. Thermometer scarcely reaching 65° during day in any part of the United Kingdom, and remaining below 60° at several of our northern stations, but rising above 70° in France.

Wind light to fresh from the S and over the greater part of the United Kingdom, but SW or W on our extreme southwest coasts. Light from the SE on the eastern shores of the North Sea and also in the west of France, W or NW over the northern parts of Scandinavia and Russia; N in eastern Germany, NW in Italy, and variable in Spain and Algeria. Subsequently veering to the SW over the United Kingdom generally.

Barometer highest 30·2 ins. to 30·3 ins. and upwards in a large anticyclone covering all the more central parts of Europe. Lowest 29·8 ins. and less in a depression lying off the extreme northwest of our Islands, and also in a large shallow area lying over Lapland and northern Russia, 29·9 ins. and less, in a depression lying over the southern parts of Italy and the Adriatic. Depression in northwest subsequently travelling away in a northerly direction, and barometer rising at all our western stations.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Saturday, 26th September, 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
Scandinavia	Haparanda ...	29.82	42	SW	4	0	29.57	-.48	45	45	+14	SW	2	bc	*	?	25	-
	Hernösand ...	29.83	47	S	2	r	29.82	-.21	44	43	+2	S	0	b	*	54	32	0.08
	Stockholm ...	29.97	52	SW	2	0	29.91	-.20	53	50	+7	W	2	b	*	57	41	0.08
	Wisby	30.03	54	SSW	4	0	29.99	?	54	52	+3	NSW	6	b	*	57	46	0.08
	Bodö	29.56	49	ESE	4	r	29.55	-.28	47	46	+4	NSW	6	0	3	50	44	0.51
	Christiansund	29.84	52	NNE	7	c	29.56	-.19	50	46	-1	SE	6	c	4	54	46	0.04
	Skudesnaes ...	29.99	54	SSE	4	0	29.64	-.35	57	55	+1	SSE	8	r	5	?	54	0.04
	Christiania Fjord (Færder)	29.93	58	NSW	5	b	29.85	-.16	55	53	-1	SSE	3	0	2	57	54	-
	Skagen (The Scaw)	30.03	51	W	1	b	29.84	-.24	54	50	+1	SSW	4	r	2	59	48	0.08
	Fanö	30.13	56	NSW	4	b	29.97	-.18	59	58	0	SSW	4	c	*	61	55	-
British Islands	Sumburgh Head	29.79	51	S	2	0	29.23	-.67	52	51	0	SSE	4	b	6	56	47	0.06
	Stornoway ...	29.57	53	S	7	rgq	29.06	-.85	54	52	+2	SW	8	c	6	56	51	0.38
	Wick	29.78	55	S	4	0	29.25	-.73	53	50	+2	S	5	bc	5	59	50	0.05
	Nairn	29.65	59	SW	2	c	29.22	-.75	52	50	0	S	0	b	1	62	48	0.03
	Aberdeen ...	29.83	54	SSE	4	0	29.36	-.67	54	50	+1	SSW	3	bc	4	60	51	0.05
	Leith	29.86	59	S	1	0	29.42	-.64	54	50	+1	NSW	3	b	*	64	49	0.19
	Shields	29.95	61	S	3	c	29.54	-.57	54	53	+1	SSW	3	r	2	67	50	0.13
	Spurn Head ...	30.03	61	SSE	3	0	29.63	-.53	59	54	+4	S	7	0q	5	66	55	-
	York	30.02	61	S	2	bc	29.64	-.51	56	53	+5	SW	3	r	*	68	49	0.06
	Loughborough	30.04	59	SSW	4	c	29.67	-.40	60	54	+7	SSW	7	0	*	66	53	-
	Ardrossan ...	29.80	57	S	5	r	29.40	-.66	55	53	+1	SW	5	c	4	59	53	0.43
	Malin Head ...	29.51	58	S	4	op	29.27	-.70	52	51	+3	SSW	6	bcqp	4	59	49	0.21
	Mullaghmore ...	29.48	58	SSE	9	oqr	29.41	-.58	54	50	0	SSW	6	c	7	63	52	0.22
	Belmullet ...	29.48	57	SSW	8	r	29.39	-.50	56	52	0	NSW	9	c	*	60	50	0.76
	Donaghadee ...	29.82	56	SSW	6	0	29.48	-.60	54	50	+3	SW	6	c	4	61	50	0.11
	Liverpool (Bidston)	29.97	59	SE	2	0	29.64	-.51	55	52	-2	SW	5	bc	4	65	52	0.14
	Holyhead ...	29.93	58	SSW	5	0	29.63	-.49	57	55	0	SW	5	bq	4	61	54	0.66
	Parsonstown ...	29.74	58	SE	3	c	?29.59	-.48	51	49	+2	SW	2	bc	*	63	48	0.30
	Valencia	29.66	60	S	9	rm	29.71	-.28	56	52	-1	NSW	6	c	6	60	50	0.49
	Roche's Point ...	29.84	58	SSW	5	r	29.75	-.36	55	51	0	W	5	b	4	59	50	0.50
	Pembroke (St. Ann's Hd.)	29.99	59	S	6	c	29.76	-.39	58	56	+1	NSW	6	bcq	6	59	54	0.23
	Scilly	30.02	59	S	5	0	29.89	-.25	58	56	+4	NSW	5	0	5	60	54	0.03
	Prawle Point ...	30.13	57	SSW	1	bc	29.89	-.31	55	55	-2	NNW	7	oqur	5	59	50	0.02
	Jersey (St. Aubin's)	30.19	64	SSE	9	bc	30.02	-.25	62	58	+1	SW	4	oqm	3	68	58	-
	Hurst Castle ...	30.17	60	SSW	4	c	29.91	-.33	60	59	0	SW	6	o	4	65	59	-
	Dungeness ...	30.19	62	SW	4	bc	29.97	-.28	60	57	-1	SSW	6	c	4	66	60	-
	London	30.17	60	S	2	bm	29.83	-.40	60	55	+2	SW	4	0	*	69	54	-
	Oxford	30.11	59	S	3	0	29.81	-.40	58	54	+1	S	5	oq	*	62	55	0.01
	Cambridge ...	30.13	58	S	1	c	29.78	-.45	59	54	+2	S	3	0	*	65	52	-
	Yarmouth ...	30.15	61	SSW	3	c	29.88	-.33	60	56	+3	SSW	5	c	4	63	56	-
Germany & Holland	Cuxhaven ...	30.25	56	SW	2	0	30.14	-.15	54	53	+9	S	3	bc	*	62	?	-
	Berlin	30.31	52	SSW	3	b	30.25	-.13	49	47	+6	SSW	3	bc	*	61	43	-
	Wiesbaden ...	*	*	*	*	*	30.27	-.12	43	42	-2	N	2	b	*	59	39	-
	Munich	30.39	43	SW	3	b	30.34	-.05	43	42	+7	SE	1	b	*	54	34	-
	The Helder ...	30.21	60	SW	1	c	30.04	-.21	54	51	-4	S	2	c	3	61	54	-
France and Belgium	Brussels (9 a.m.)	*	*	*	*	*	30.10	-.22	54	48	-1	SE	4	c	*	68	48	-
	Cape Gris Nez	30.20	60	SSW	1	b	30.00	-.23	57	53	-1	S	5	c	5	64	54	-
	Paris	30.30	57	E	2	b	30.15	-.20	47	45	+2	SE	2	bc	*	69	43	-
	Brest	?	63	S	3	bc	?	?	61	61	0	SW	4	0	4	66	59	-
	Lorient	30.19	63	SE	2	bc	30.07	-.18	63	61	+6	SW	3	0	3	68	57	-
	Rochefort ...	30.19	67	ESE	3	b	30.15	-.07	57	55	+1	SSE	4	bc	*	77	52	-
	Belfort	30.28	50	E	3	bc	30.25	?	51	46	-2	E	1	bc	*	68	35	-
	Lyons	30.28	59	NNE	1	b	30.31	-.06	50	47	+5	S	1	b	*	65	43	-
	Nice	30.29	60	S	1	b	30.30	+.02	59	51	0	E	1	b	1	73	54	-
	Perpignan ...	30.27	59	E	2	0	30.30	+.01	60	59	+8	NE	2	0	*	68	52	-
	Biarritz	30.16	70	ESE	3	b	30.17	.00	67	58	+9	SW	2	b	2	75	57	-
Peninsula	Corunna	*	*	*	*	*												
	Lisbon	30.15	66	NNW	5	b	29.87	-.29	62	59	-1	SW	3	bc	5	77	61	-

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Saturday, 26th Sept.r 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

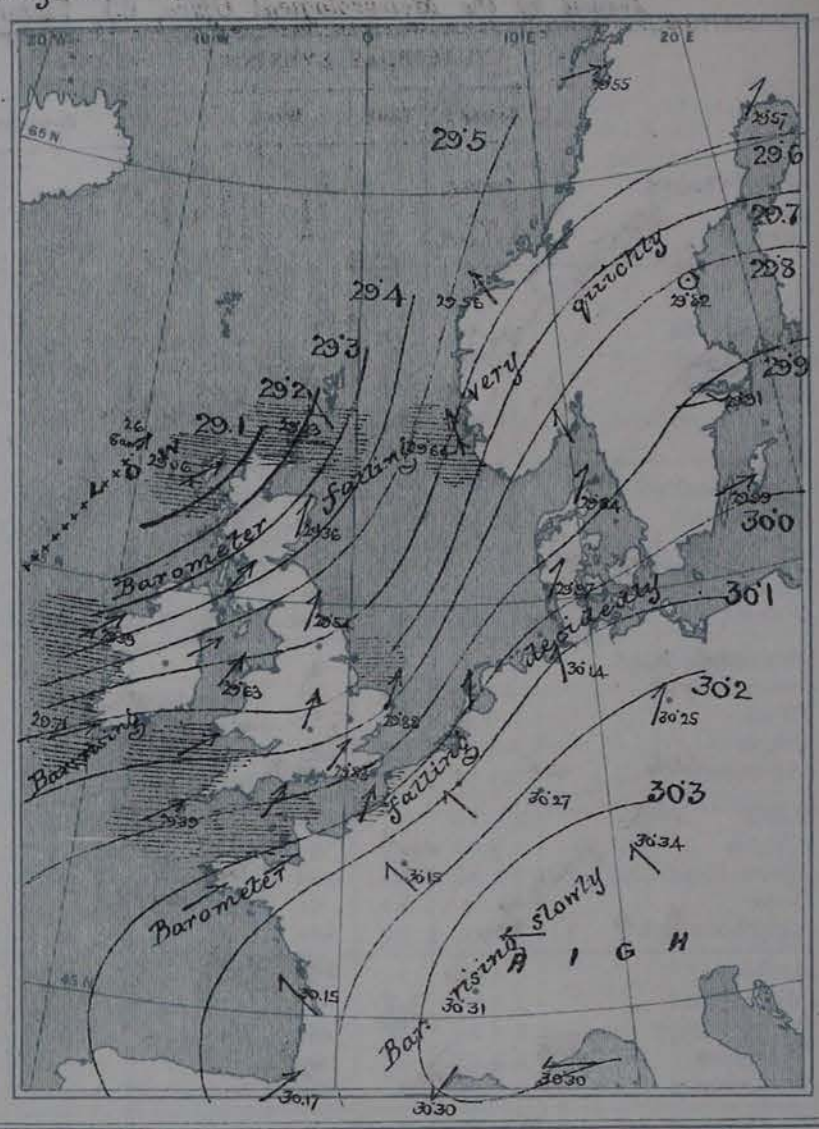
BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

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

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

SEA DISTURBANCE—Where considerable, is shewn thus:

= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

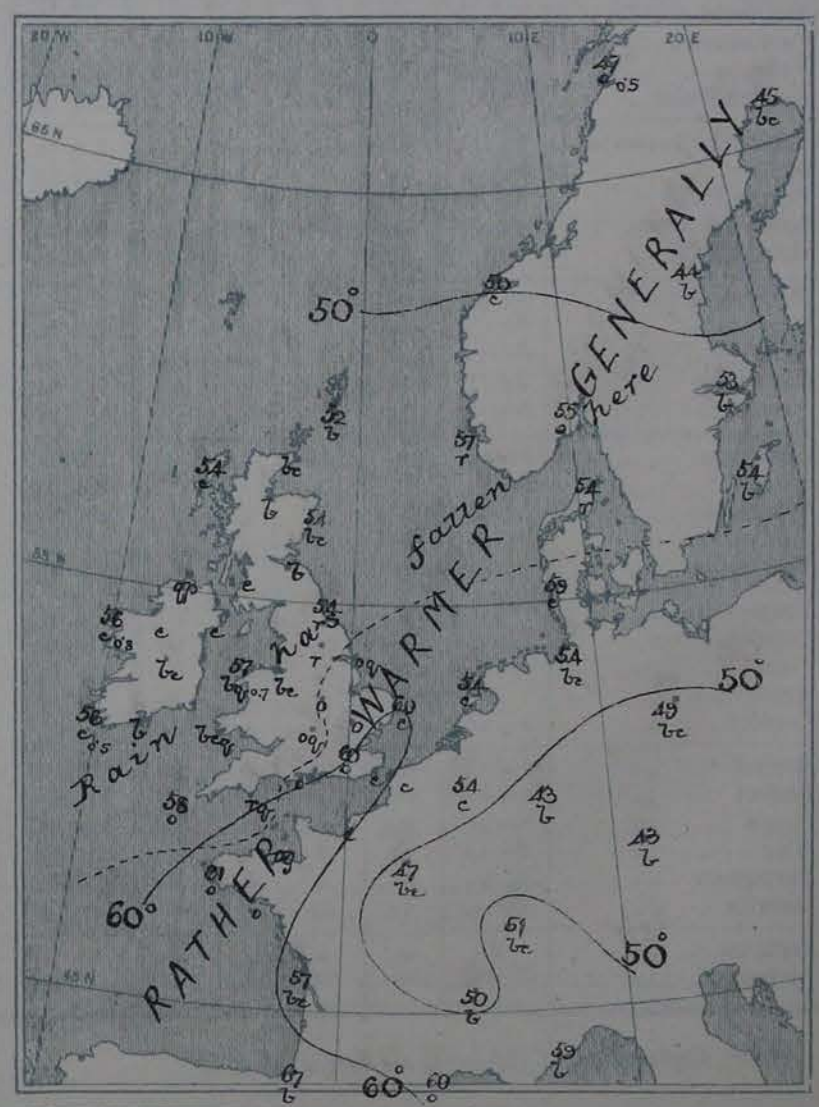
STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29 · 797
Stornoway	29 · 815
Wick	29 · 829
Nairn	29 · 843
Aberdeen	29 · 858
Leith	29 · 881
Shields	29 · 903
Spurn Head	29 · 929
York	29 · 939
Loughborough	29 · 959
Ardrossan	29 · 885
Mullaghmore	29 · 890
Donaghadee	29 · 965
Holyhead	29 · 929
Liverpool	29 · 935
Parsonstown	29 · 947
Valencia	29 · 947
Roche's Point	29 · 946
Pembroke	29 · 948
Scilly	29 · 971
Prawle Point	29 · 994
Jersey	29 · 983
Hurst Castle	29 · 991
Dover	29 · 970
LONDON	29 · 978
Oxford	29 · 971
Cambridge	29 · 965
Yarmouth	29 · 948

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

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

WEATHER is shown by Letters of the Beaufort Scale.

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



MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry.	at 8 a.m. Wet.	RAINFALL (Inches.)
Sumburgh Head	55 · 0	46 · 1	50 · 8	49 · 1	3 · 32
Stornoway	56 · 3	45 · 8	51 · 4	50 · 1	1 · 10
Wick	57 · 7	45 · 5	51 · 9	50 · 0	2 · 53
Nairn	59 · 2	46 · 5	51 · 3	48 · 9	2 · 58
Aberdeen	59 · 2	46 · 7	52 · 1	49 · 7	2 · 97
Leith	61 · 9	47 · 5	53 · 2	50 · 8	2 · 34
Shields	59 · 8	48 · 8	53 · 1	51 · 0	2 · 50
Spurn Head	60 · 4	52 · 7	55 · 5	53 · 8	2 · 02
York	62 · 9	47 · 7	52 · 9	51 · 1	2 · 70
Loughborough	65 · 0	47 · 8	54 · 0	52 · 2	2 · 76
Ardrossan	59 · 6	49 · 4	53 · 5	51 · 4	3 · 67
Mullaghmore	60 · 2	50 · 9	54 · 0	51 · 6	4 · 95
Donaghadee	59 · 6	49 · 2	53 · 5	52 · 3	3 · 04
Holyhead	60 · 7	52 · 6	55 · 7	53 · 5	3 · 23
Liverpool	61 · 2	50 · 8	54 · 5	51 · 9	3 · 30
Parsonstown	61 · 5	47 · 4	53 · 0	51 · 1	3 · 16
Valencia	61 · 8	51 · 5	56 · 5	54 · 2	4 · 53
Roche's Point	61 · 7	51 · 0	55 · 5	53 · 4	4 · 08
Pembroke	60 · 1	53 · 0	56 · 1	53 · 9	3 · 58
Scilly	61 · 8	54 · 7	58 · 4	56 · 3	3 · 41
Prawle Point	62 · 4	52 · 2	57 · 0	55 · 2	2 · 46
Jersey	65 · 4	54 · 8	59 · 9	57 · 0	3 · 05
Hurst Castle	64 · 3	52 · 1	57 · 1	55 · 7	3 · 07
Dover	63 · 4	52 · 9	57 · 7	55 · 2	2 · 64
LONDON	66 · 4	49 · 6	55 · 8	53 · 5	2 · 35
Oxford	64 · 0	48 · 9	54 · 0	52 · 1	2 · 66
Cambridge	65 · 6	48 · 1	54 · 6	53 · 0	2 · 26
Yarmouth	62 · 1	51 · 4	56 · 3	54 · 4	2 · 91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and more to 30·1 in: over Germany, France, and some parts of the Bay of Biscay.
Lowest, 29·1 in: and less, off the extreme northwest of Scotland, and apparently below 29·9 in: over the Atlantic off the southwest of Portugal.
Gradients steep over our Islands and the North Sea, moderate to slight on the Continent.
Barometer falling in most places, but has begun to rise again at Valencia Sta since 4 am. [There are indications of a fresh fall at Lisbon.]

TEMPERATURE

Highest, 67° at Biarritz, 63° at Lorient, 60° in London.
Lowest (1) 44° to 47° in the north of Scandinavia; (2) 43° at Munich and Wiesbaden, and 47° at Paris.
The highest of the daily maxima over England yesterday ranged from 65° to 69°. In the southwest and south of France they exceeded 70°.

WIND

S to SW over the United Kingdom, strong and squally in force, and a gale at some northwestern stations;
S and moderate over the North Sea, and also over the Bay of Biscay; E and light in many parts of France.

WEATHER

Very changeable and variable in our Islands — clear in some places, dull in others, rainy in some, and rather squally.
Rainfall has been heaviest in extreme west — viz 0·8 in: at Belmullet, 0·7 in: at Holyhead, and 0·5 in: at Valencia.

SEA

Rough on our northern and western coasts generally, moderate in the southeast and northeast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A large and deep depression has reached the neighbourhood of our ~~extreme~~ northwestern coasts; its centre now appears to be about 150 miles to the northwestward of Stornoway, and moving northeastwards. It has brought strong and squally winds from between S. and SW. to nearly all part of our Islands, but while the weather has remained fine and dry in the south and east of England it has been very showery in most other parts of the Kingdom, and very rainy in the far west.

If the telegram from Lisbon is correct further bad weather is approaching the more southern parts of our Islands from the southwestward.

FORECASTS

For the 24 hours ending at NOON on 27th Sept 1891.

DISTRICTS.	FORECASTS.
↓ 0 SCOTLAND NORTH	SW gales and strong winds; squally, showery.
↓ 1 SCOTLAND EAST	SW winds, strong; squally, showery.
2 ENGLAND N.E.	
3 ENGLAND EAST	SW and W winds, strong, some showers, very uncertain later
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
↓ 6 SCOTLAND WEST	Same as No 0
↓ 7 ENGLAND N.W.	
8 ENGLAND S.W.	W winds, strong; squally, showery very uncertain later
↓ 9 IRELAND NORTH	Same as No 0
↓ 10 IRELAND SOUTH	
WARNINGS	The SOUTH CONE was hoisted yesterday in districts 0.1.6.7.9. and 10.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA	SEA
Skudesnaes ...	30·02	60	54	W	2	c	3
Sumburgh Head	29.90	55	52	SW	2	bc	3
Stornoway	29·78	55	53	S	5	o	5
Aberdeen	29.95	56	52	S	4	cg	3
Shields	30·05	65	56	SSW	2	bc	2
Ardrossan	29.95	58	55	S	4	o	3
Malin Head ...	29·76	56	54	S	6	o	3
Mullaghmore ...	29·75	60	55	SSE	8	og	6
Belmullet	29·69	60	55	SSW	6	o	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	30·05	60	57	SSW	3	c	3
Valencia	29.84	59	57	S	8	c	4
Scilly	30·09	60	60	S	4	f	5
Jersey	30·24	66	61	SE	3	b	3
Dungeness	30·25	65	60	SW	4	bc	3
London	30·20	68	60	SSW	3	bc	*
Yarmouth	30·18	63	60	SW	3	c	2
Rochefort	30·24	73	64	ESE	4	b	2

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine over the greater part of our Islands and the Continent, but dull and unsettled on our extreme southwest coasts, with rain at Prawle Point. Cloudy, also over Norway, central Russia, Spain, and the southern parts of the Adriatic, with rain at Brindisi. Heavy rain setting in later over all the western parts of the United Kingdom, and smaller amounts falling in the north.

Temperature highest 73° at San Fernando, 72° at Brindisi, 71° at Tunis, 70° at Malta, and 68° at Algiers; above 60° over Spain and the central and southern parts of the Mediterranean generally as well as at some of the Channel stations. Lowest 29° at Wladowka, 31° at Haparanda, 32° at Archangel, 33° at Kharkov, and 34° at Kuopio; below 40° at nearly all the Russian stations, as well as over the southern parts of Germany and Austria. Rising during day to between 65° and 70° over the greater part of England, exceeding 70° at many of the French stations, and reaching 77° at Rochefort and Lisbon.

Wind light or moderate from the E^ly or SE^ly in Spain and the west and south of France, from the S^ly over the greater part of Ireland and England, and from the SW^ly or W^ly over Scotland, as well as over Denmark, North Germany, the Baltic, and the south of Scandinavia. Light from the W^ly or NW^ly in Russia, variable over Central Europe; NE^ly or N^ly over Italy and the Adriatic, with a moderate gale at Rome and a strong gale at Ancona; NW^ly over Sicily, Tunis, and the adjacent parts of the Mediterranean. Subsequently increasing to a gale from the S^ly on the west coasts of Ireland and Scotland.

Barometer highest 30·4 ins. over Poland and eastern Germany; 30·1 ins. and upwards in a large anticyclone covering the greater part of Europe. Lowest 29·6 ins. and less, in a depression lying over northern Russia; 29·8 ins. and less, in another disturbance off the west of Norway, 29·9 ins. and less, in a third system lying to the westward of Ireland, and also in a fourth lying over the southern parts of the Adriatic. Depression in far west subsequently advancing in a northerly direction towards the coast of Scotland, and barometer falling quickly on our west and northwest coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Sunday 27th September 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.51	42	Z	0	b	29.27	− .30	44	44	− 1	SE	4	r	*	52	41	0.16
	Hernösand ...	29.49	51	SSW	4	0	29.19	− .63	51	48	+ 7	SSW	4	bc	*	57	36	0.24
	Stockholm ...	29.67	55	S	2	0	29.41	− .50	54	51	+ 1	SW	2	0	*	59	50	—
	Wisby	29.79	56	SW	6	0	29.53	− .46	55	53	+ 1	SSW	6	0	*	61	50	—
	Bodö	29.27	47	E	4	b	29.00	− .55	47	45	0	SE	2	0	1	50	43	0.08
	Christiansund	29.07	55	ESE	3	r	28.96	− .60	49	47	− 1	ESE	1	c	3	55	48	0.08
	Skudesnaes ...	29.34	56	S	8	0	29.21	− .43	55	51	− 2	WSW	8	0	6	57	54	0.59
	Christiania Fjord (Færder)	29.43	56	SSW	7	b	29.26	− .59	56	52	+ 1	SW	8	b	5	57	55	0.16
	Skagen (The Scaw)	29.50	55	SSW	6	0	29.39	− .45	52	51	− 2	WSW	5	c	3	59	50	0.35
	Fanö	29.63	57	WSW	6	0	29.55	− .42	57	53	− 2	W	5	c	*	63	54	0.04
BRITISH ISLANDS.	Sumburgh Head	28.95	53	SW	4	r	28.99	− .24	51	49	− 1	W	7	c	6	56	45	0.32
	Stornoway ...	28.96	54	SW	7	0	29.36	+ .30	50	50	− 4	NW	6	c	6	56	47	0.50
	Wick	29.10	53	SW	5	bc	29.28	+ .03	51	50	− 2	NW	6	c	4	59	49	0.06
	Nairn	No observations					29.38	+ .16	52	49	0	WSW	4	0	3	60	48	0.07
	Aberdeen ...	29.23	55	SSW	5	c	29.43	+ .07	55	48	+ 1	WSW	4	bc	4	60	49	—
	Leith	29.33	55	WSW	7	b	29.54	+ .12	53	49	− 1	W	6	b	*	60	43	0.10
	Shields	29.50	57	SW	5	c	29.63	+ .09	54	49	0	W	5	b	2	62	49	0.18
	Spurn Head ...	29.67	58	SW	5	c	29.74	+ .11	54	51	− 5	WSW	5	b	4	63	50	0.04
	York	29.66	57	SW	3	0	29.75	+ .11	56	51	0	W	4	bc	*	63	49	0.07
	Loughborough	29.73	55	WSW	3	c	29.81	+ .14	52	49	− 8	W	4	b	*	63	49	0.13
	Ardrossan ...	29.41	55	SW	6	r	29.65	+ .25	55	51	0	WNW	5	bc	3	57	51	0.22
	Malin Head ...	29.34	54	WSW	7	0	29.68	+ .41	52	50	0	WNW	6	obq	4	56	50	0.12
	Mullaghmore ...	29.52	55	SW	8	c	29.83	+ .42	53	50	− 1	W	7	cm	6	58	51	0.05
	Belmullet ...	29.54	55	W	8	c	29.87	+ .48	54	51	− 2	W	4	b	*	57	51	0.05
	Donaghadee ...	29.53	52	WSW	6	c	29.75	+ .27	52	48	− 2	WNW	6	b	4	59	52	0.13
	Liverpool (Bidston)	29.68	56	SW	5	bc	29.81	+ .17	54	50	− 1	W	7	bc	5	60	51	0.03
	Holyhead ...	29.70	56	SW	5	c	29.86	+ .23	54	50	− 3	W	6	bcq	6	60	52	0.12
	Parsonstown ...	29.69	55	SW	2	c	29.93	+ .34	52	49	+ 1	Z	9	bc	*	58	48	0.04
	Valencia	29.82	56	WSW	6	c	30.05	+ .34	54	52	− 2	WNW	2	bc	4	59	50	0.04
	Roche's Point ...	29.81	56	W	4	b	30.01	+ .26	52	49	− 3	W	3	b	3	58	49	—
	Pembroke (St. Ann's Hd.)	29.83	57	WSW	7	c	29.98	+ .22	55	53	− 3	WNW	5	bc	5	58	54	—
	Scilly	29.96	57	WSW	4	0	30.08	+ .19	57	53	− 1	WNW	5	c	5	61	53	0.02
	Prawle Point ...	29.96	54	W	5	c	30.04	+ .17	55	53	0	WNW	4	bc	3	59	53	—
	Jersey (St. Aubin's)	30.02	61	W	4	0	30.10	+ .08	60	55	− 2	WNW	5	c	4	64	54	0.23
	Hurst Castle ...	29.93	59	WSW	7	c	30.00	+ .09	57	54	− 3	WNW	6	b	3	63	55	0.03
	Dungeness ...	29.90	60	W	6	0	29.92	− .05	58	54	− 2	WNW	5	b	4	63	54	—
	London	29.88	59	SSW	3	0	29.93	+ .10	54	50	− 6	W	3	bw	*	63	50	0.03
	Oxford	29.88	54	SW	4	0	29.93	+ .12	53	49	− 5	WSW	3	by	*	61	49	0.04
	Cambridge ...	29.82	56	S	3	0	29.88	+ .10	53	49	− 6	SW	2	b	*	62	47	—
	Yarmouth ...	29.78	59	WSW	4	c	29.82	− .06	54	50	− 6	W	5	b	3	62	49	—
GERMANY & HOLLAND.	Cuxhaven ...	29.84	55	S	5	0	29.71	− .43	55	54	+ 1	WSW	5	0	*	63	54	0.04
	Berlin	29.98	55	SSW	3	b	29.81	− .44	55	54	+ 6	SW	3	r	*	63	49	0.16
	Wiesbaden ...	*	*	*	*	*	29.95	− .32	54	54	+ 11	SW	1	r	*	64	43	0.47
	Munich	30.22	50	SW	2	b	30.05	− .29	54	48	+ 11	SW	4	c	*	64	48	—
	The Helder ...	?	60	WSW	4	c	29.77	− .27	59	53	+ 3	W	4	bc	4	63	54	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	29.92	− .18	55	53	+ 1	WSW	3	0	*	64	52	0.08
	Cape Gris Nez	29.90	59	WSW	6	0	29.88	− .12	58	54	+ 1	W	6	bc	6	63	54	0.04
	Paris	30.04	64	WNW	2	0	30.06	− .09	55	53	+ 8	WSW	2	0	*	72	47	0.16
	Brest	30.09	60	WSW	3	0	30.12	?	58	57	− 3	NW	3	c	4	64	54	0.12
	Lorient	30.10	62	WNW	4	0	30.13	+ .06	59	56	− 4	WNW	5	0	4	64	57	0.04
	Rochefort ...	30.15	64	WSW	4	0	30.14	− .01	60	59	+ 3	SW	3	c	2	73	55	0.20
	Belfort														*			
	Lyons	30.20	63	S	3	bc	30.12	− .19	58	56	+ 8	S	3	0	*	73	50	—
	Nice	30.27	59	Z	0	b	30.34	+ .04	58	57	− 1	E	1	bc	1	73	54	—
	Perpignan ...	30.25	64	E	1	b	30.21	− .09	56	56	− 4	SW	1	0	*	73	52	—
	Biarritz	30.22	68	SSW	2	b	30.20	+ .03	64	59	− 3	SW	3	0	2	73	61	—
PENINSULA.	Corunna	*	*	*	*	*	30.22	− .03	64	67	+ 1	S	5	0	6	75	64	—
	Lisbon	30.25	68	NW	5	b	30.25	− .01	64	62	+ 2	NNW	4	b	3	79	62	—

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Sunday, 27th Sept. 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

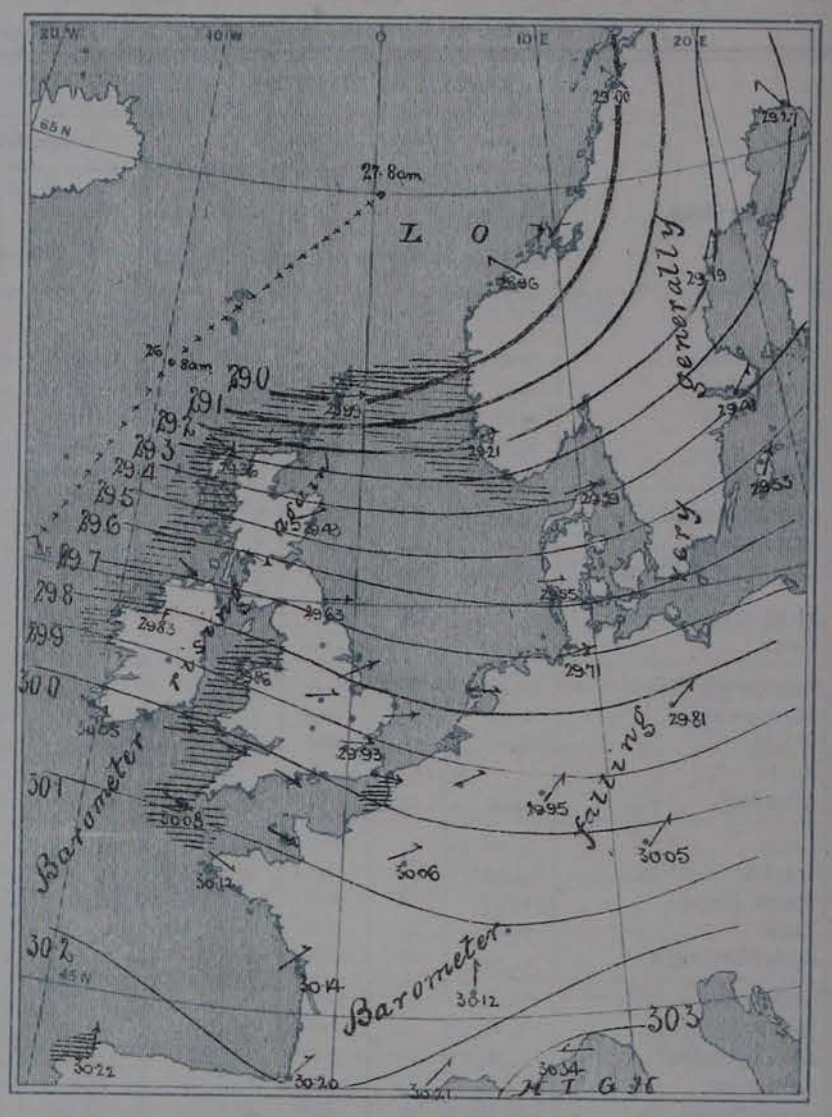
BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

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

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

SEA DISTURBANCE—Where considerable, is shewn thus:

= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

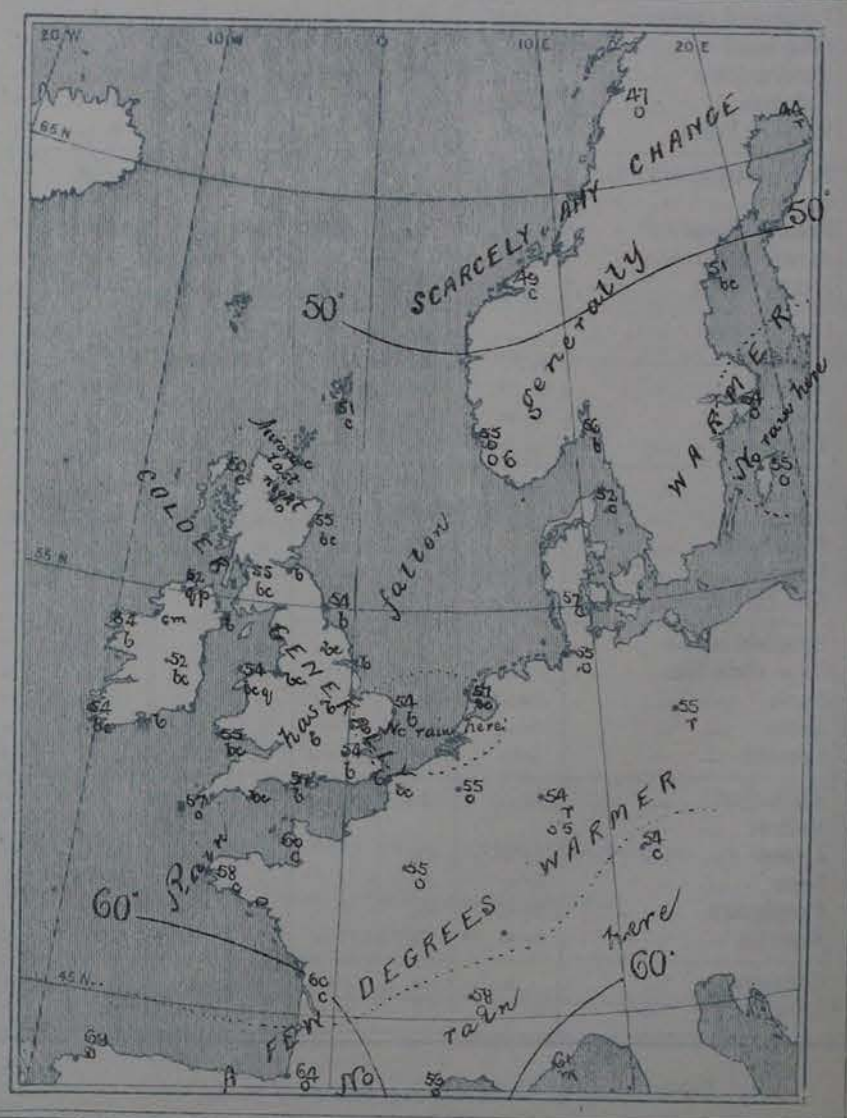
STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·933
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·998
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·963
Yarmouth	29·948

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

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

WEATHER is shewn by Letters of the Beaufort Scale.

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



MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry	Wet.	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	1·10
Wick	57·7	45·5	51·0	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	54·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·0	52·2	2·79
Ardrossan	59·6	49·4	53·5	51·4	3·07
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: and more to 30·1 ins: over the whole of southwestern, southern, and southeastern Europe and the Mediterranean.
Lowest, 29·0 ins: and less, in a large depression lying off the west of Norway and the north of Scotland.
Gradients steep over the extreme north of our Islands, rather steep over the British Islands and northern half of Europe generally, slight elsewhere.
Barometer falling fast in the far north, rising fast over the United Kingdom, changing little elsewhere.

TEMPERATURE

Highest, 69° at Corunna, 64° at Heston and Biarritz, 60° at Rochefort and Jersey, 57° at Scilly.
Lowest, 44° at Haparanda, 47° at Bodö, 50° at Stornoway, 51° at Wick, 52° at Nairn, and Malin Hd.
The daily maxima yesterday did not exceed 64° in any part of England.

WIND

W to NW fresh to strong over our Islands, W over the North Sea, SW over the south of Norway, Germany, and the Baltic. SE over the northern half of Scandinavia.
Over southern Europe it is very variable and light in force.

WEATHER

Fine and bright in the extreme south, changeable over the British Isles, but temporarily fine at nearly all the English and Irish stations. Cloudy, showery, and unsettled in the north.
The rainfall has been heavy at Valencia and Stornoway, slight in most places.

SEA

Rough in the north and northwest, rather so in the west, moderate in the Channel, slight on our East coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 28th Sept 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	None issued	6 SCOTLAND WEST	None issued.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH		WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.39	56	55	S	10	r	6
Sumburgh Head	29.02	54	51	S	5	c	6
Stornoway	28.92	55	54	W	7	o	6
Aberdeen	29.23	59	50	SSW	8	cqu	6
Shields	29.48	61	52	WSW	5	c	2
Ardrossan	29.41	59	53	SW	5	c	5
Malin Head ...	29.26	55	54	WSW	5	bc	5
Mullaghmore ...	29.47	59	51	SW	8	cm	7
Belmullet	29.49	55	52	WSW	8	o	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.67	58	53	SW	6	c	5
Valencia	29.77	58	54	WSW	7	cm	6
Scilly	29.94	59	56	WSW	5	o	6
Jersey	30.01	63	58	WSW	4	o	3
Dungeness	29.89	63	60	WSW	6	c	5
London	29.85	63	59	SW	3	c	*
Yarmouth	29.77	61	58	WSW	5	c	4
Rochefort	30.15	71	69	W	4	c	*

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather fine in the west and north of our Islands, as well as over Sweden and the greater part of central southern and Eastern Europe, dull and rainy at many of the English stations and also over Finland and the south of Scandinavia. Rain falling later in many part of the United Kingdom and France, as well as over the greater parts of Northern Europe.

Temperature highest 73° at Lafalle, 72° at Oran, 71° at Malta, and 70° at Brindisi and San Fernando; above 60° over Spain, Algeria, and the south of Italy, as well as in the extreme south of England. Lowest 31° at Moscow, 37° at Warsaw, and 38° at Uleaborg, St Petersburg, Prague and Vienna; below 45° in most parts of Russia and central Europe. Daily maxima very little above 60° in any part of the United Kingdom, but thermometer exceeding 70° at most of the French stations, and exceeding 80° in Algeria, Sardinia and the extreme south of Spain.

Wind strong from the SW^ly over the greater part of the United Kingdom, with a gale in the extreme northwest; light from the same quarter in the west of France. Light from the S^ly over Denmark, Germany and the Netherlands; strong to a gale from the SE^ly in the west of Norway. Light or moderate from S or SW. over Sweden, the Baltic and northern Russia. Variable in Austria, and the south of Russia; light from NE in Italy and the south of France. SW^ly gale springing up later in the north and east of Scotland.

Barometer highest 30.4 ins. and upwards in Austria; 30.2 ins. and upwards in a large anticyclone covering the whole of central, southern and eastern Europe, with a considerable portion of the Mediterranean. Lowest 29.1 ins. and less, in a well marked depression lying off the northwest of Scotland. Depression subsequently moving northeastwards, and barometer rising briskly on our western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Monday, 28th September, 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.15	47	S	2	o	29.17	-.10	48	48	+.4	S	2	†	*	50	37	0.20
	Hernösand ...	29.11	52	S	2	c	29.23	+.04	50	47	-.1	NNW	4	b	*	59	46	-
	Stockholm ...	29.35	51	SW	2	b	29.38	-.03	53	50	-.1	NSW	4	bc	*	63	48	-
	Wisby	29.49	53	SW	6	b	29.54	+.01	53	51	-.2	NSW	8	c	*	57	52	-
	Bodö	29.03	48	E	2	o	29.14	-.14	46	45	-.1	ESE	2	o	1	48	45	0.21
	Christiansund	29.02	51	NSW	9	r	29.43	+.47	49	47	0	W	9	r	6	57	48	0.67
	Skudesnaes ...	29.45	53	W	7	r	29.69	+.48	52	49	-.3	NNW	4	o	4	55	48	0.12
	Christiania Fjord (Færder)	29.30	56	NSW	7	c	29.55	+.29	55	50	-.1	W	5	b	5	57	54	-
	Skagen (The Scaw)	29.46	54	WNW	7	b	29.60	+.21	55	52	+.3	WNW	7	b	5	57	52	0.20
	Fanö	29.73	55	W	6	b	29.87	+.32	56	51	-.1	W	6	c	*	59	52	0.04
BRITISH ISLANDS.	Sumburgh Head	29.40	50	W	6	c	29.55	+.56	50	50	-.1	S	2	r	5	54	46	0.09
	Stornoway ...	29.65	52	W	3	o	29.45	+.09	56	56	+.6	SW	7	r	6	56	46	0.12
	Wick	29.63	49	NW	7	o	29.58	+.30	53	53	+.2	S	2	o	2	57	45	0.14
	Nairn	29.65	53	NSW	2	c	29.55	+.17	56	53	+.4	SW	1	c	1	57	48	0.03
	Aberdeen ...	29.72	53	W	2	c	29.68	+.25	52	51	-.3	S	3	op	3	59	49	0.06
	Leith	29.78	53	NSW	5	c	29.73	+.19	55	54	+.2	NSW	5	r	*	59	51	0.03
	Shields	29.84	55	NSW	4	c	29.86	+.23	57	53	+.3	S	3	c	2	58	50	-
	Spurn Head ...	29.93	55	NSW	4	o	30.01	+.27	55	52	+.1	SW	4	c	4	58	51	-
	York	29.91	55	NSW	4	b	29.99	+.24	54	52	-.2	S	1	c	*	60	51	-
	Loughborough	30.00	54	W	3	bc	30.06	+.25	53	51	+.1	NSW	3	c	*	63	51	-
	Ardrossan ...	29.84	54	NSW	4	o	29.75	+.10	56	55	+.1	SSW	6	r	5	57	53	0.05
	Malin Head ...	29.84	54	W	5	odp	29.60	-.08	57	56	+.5	SSW	7	or	4	58	50	0.02
	Mullaghmore ...	29.93	56	SW	6	om	29.70	-.13	59	58	+.6	SSW	7	or	6	59	53	0.03
	Belmullet ...	29.91	55	NSW	3	o	29.65	-.22	58	58	+.4	SW	6	o	*	59	51	0.19
	Donaghadee ...	29.93	53	W	5	c	29.80	+.05	57	55	+.5	SW	6	c	4	58	52	0.01
	Liverpool (Bidston)	30.02	55	NSW	3	o	29.99	+.18	58	54	+.4	SSW	5	o	4	59	52	-
	Holyhead ...	30.01	56	NSW	3	c	29.98	+.12	58	56	+.4	SSW	5	oq	5	61	54	-
	Parsonstown ...	30.03	56	Z	0	b	29.87	-.06	59	57	+.7	SE	1	c	*	62	49	-
	Valencia	30.07	56	SSW	4	oq	29.86	-.19	60	59	+.6	SSW	8	om	6	61	53	0.06
	Roche's Point ...	30.09	57	W	4	bc	29.99	-.02	56	56	+.4	SW	5	†	4	62	51	-
	Pembroke (St. Ann's Hd.)	30.11	56	NSW	4	b	30.09	+.11	58	57	+.3	SSW	5	bc	5	58	54	-
	Scilly	30.19	59	NSW	8	b	30.14	+.06	59	57	+.2	S	4	bc	4	60	53	-
	Prawle Point ...	30.19	54	W	8	b	30.21	+.15	58	56	+.3	SW	4	c	3	61	51	-
	Jersey (St. Aubin's)	30.21	59	W	4	b	30.28	+.18	58	54	-.2	SSW	3	bcw	3	63	49	-
	Hurst Castle ...	30.15	58	WNW	3	b	30.22	+.22	58	56	+.1	NSW	6	bc	2	63	51	-
	Dungeness ...	30.05	60	NW	4	b	30.18	+.26	55	53	-.3	WNW	3	c	2	66	41	-
	London	30.09	58	W	2	b	30.16	+.23	55	52	+.1	SW	2	bc	*	62	46	-
	Oxford	30.13	51	W	2	b	30.16	+.23	54	50	+.1	SW	3	bc	*	61	46	-
	Cambridge ...	30.05	57	SW	2	b	30.14	+.26	52	51	-.1	SW	1	c	*	63	46	-
	Yarmouth ...	29.95	57	WNW	4	b	30.09	+.27	54	51	0	SW	4	bc	2	61	48	-
GERMANY & HOLLAND.	Cuxhaven ...	29.79	55	WNW	6	c	29.97	+.26	55	54	0	WNW	5	c	*	59	54	0.16
	Berlin	29.91	52	W	4	b	30.06	+.25	52	50	-.3	W	5	bc	*	59	48	0.16
	Wiesbaden ...	*	*	*	*	*	30.26	?	50	49	-.4	W	2	o	*	59	43	0.16
	Munich	30.19	51	SW	4	o	30.34	+.29	49	46	-.5	SW	5	b	*	63	45	0.12
	The Helder ...	30.00	58	NNW	4	o	? 30.12	+.35	58	54	+.1	W	3	c	3	59	57	?
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.25	+.33	51	50	-.4	SSW	3	bc	*	62	46	0.08
	Cape Gris Nez	30.03	59	W	5	b	30.16	+.28	57	53	-.1	W	5	c	5	61	52	-
	Paris	30.19	57	W	3	b	30.32	+.26	44	43	-.11	S	1	b	*	67	?	-
	Brest	30.25	60	NW	2	b	30.23	+.11	58	56	0	S	3	bc	3	66	54	-
	Lorient	30.23	61	W	3	b	30.27	+.14	53	52	-.6	SE	2	b	5	64	52	-
	Rochefort ...	30.23	63	WNW	3	c	30.28	+.14	55	54	-.5	E	3	b	3	73	52	-
	Belfort	?	55	W	3	o	?	-	47	39		W	3	†	*	68	35	0.24
	Lyons	30.26	56	E	1	c	30.32	+.20	53	51	-.5	N	3	b	*	62	50	0.12
	Nice	30.04	67	SW	1	b	30.12	-.22	62	57	+.4	Z	0	b	1	77	57	-
	Perpignan ...	30.15	70	N	2	o	30.25	+.04	62	59	+.6	W	1	bc	*	74	59	-
	Biarritz	30.24	66	ENE	3	o	30.23	+.03	62	59	-.2	E	3	o	5	70	59	-
PENINSULA.	Corunna	*	*	*	*	*												
	Lisbon	30.18	68	NW	5	b	30.17	-.08	64	62	0	NNW	4	b	6	81	64	-

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Mondays 27th Sept., 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch.
Changes since previous morning are stated in words.

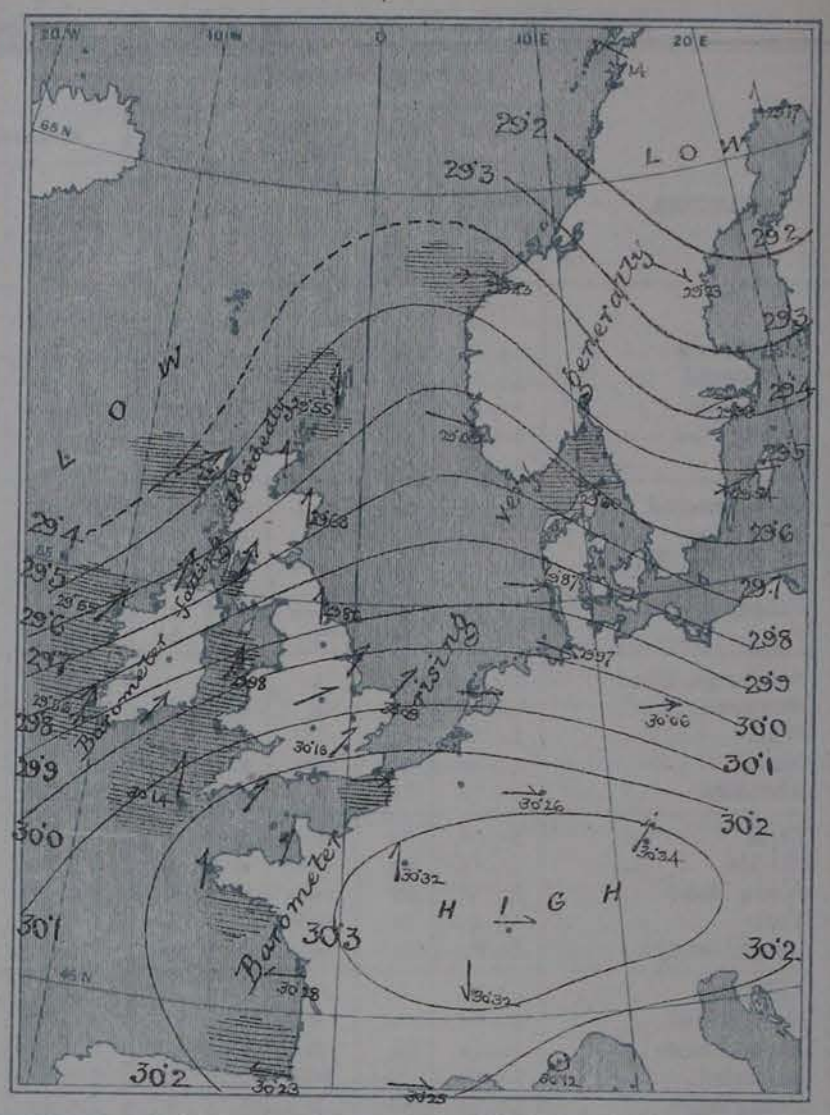
WIND—Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7; = forces 1 to 4.
⊙ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·965
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·998
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948



TEMPERATURE, & WEATHER AT 8 A.M.

WITH RAINFALL IN PAST 24 HOURS.

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry	Wet.	RAINFALL (Inches)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	1·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	46·7	52·1	49·7	2·97
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·9	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·4	2·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·1	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins. and more to 30·1 ins. in an anticyclone covering Germany, France, the Bay of Biscay, and south of England.
Lowest, 28·2 ins. and less, over Lapland, and 28·5 ins. and less, off the northwest of Scotland.
Gradients rather steep over our Islands, especially in the west.
Barometer falling decidedly on our western and northwestern coasts, rising in the extreme east.

TEMPERATURE

Highest, 64° at Lisbon; 62° at Nice, 60° at Valencia Island, 59° at Scilly.
Lowest, (1) 46° at Brest, 49° at Christiansund, 50° at Sumburgh Hd.; (2) 44° at Paris, 47° at Belfort, 49° at Munich.
In London it is 55° but has been as low as 46° early in the morning.

WIND

W. over Scandinavia and Denmark and still blows a gale at Christiansund, and a very strong breeze at the Skaw.
SW. to S. in our Islands — moderate in force in the east and south, strong to a gale in the west and north.
Over Brittany it is light from S. and in the southwest of France from E.

WEATHER

Fine and bright over France and the southeast of England; cloudy more or less, elsewhere, dull, squally and rainy on our western and northwestern coasts and in the west of Norway, showery at Aberdeen.
Rainfall in the west and north has been slight at present, but a larger quantity has fallen over Germany.

SEA

Rough or rather so in the west and extreme north, as well as at Cape Gris Nez, moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past night a new and somewhat deep depression has been advancing towards our northwest coasts from the Atlantic, causing the wind to increase to a gale again from SSW. at our most western stations, with an unsettled appearance and rain. In the east and south the condition is at present fine and quiet, but the disturbed weather will probably spread there shortly.

FORECASTS

For the 24 hours ending at NOON on 29th Sept. 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW. gales and strong winds; very unsettled, squally, rainy.	6 SCOTLAND WEST 7 ENGLAND N.W.	Same as No. 0.
1 SCOTLAND EAST 2 ENGLAND N.E.	SW. and S. winds, increasing in force; changeable, unsettled, then squally.	8 ENGLAND S.W.	SW. winds, strong; squally, rainy.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW. winds, increasing considerably; fair to squally and showery.	9 IRELAND NORTH 10 IRELAND SOUTH	Same as No. 0.
		WARNINGS	The SOUTH CONE was rehoisted last evening in districts 0 6 and parts of 9 and 10, this morning it was extended to all the other W. coasts.

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: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.30	55	52	W	7	0	6
Sumburgh Head							
Stornoway	29.57	53	51	W	6	0	6
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.79	54	53	W	6	0	4
Mullaghmore ...							
Belmullet	29.94	56	53	W	4	c	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.98	58	53	W	4	bc	4
Valencia							
Scilly							
Jersey							
Dungeness	30.00	65	61	NW	4	b	3
London							*
Yarmouth							
Rochefort	29.99	63	62	NW	3	bc	2

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather fine over the greater part of the United Kingdom as well as over Algeria, Spain, Italy, Austria and the south of Russia. Cloudy or overcast over the greater part of northern and central Europe, with rain in many places and a thunderstorm at Helsingfors. Subsequently becoming dull and unsettled in the west and extreme north of our Islands.

Temperature highest 72° at Algiers, 71° at Oporto, Barcelona and Malta, and 68° at Brindisi and Oran; above 60° at most of the Mediterranean stations and also on the coast of the Iberian peninsula. Lowest (1) 33° at Hermanstadt, 40° at Cracow, and 41° at Vienna and Buda Pesth; (2) 35° at Archangel, 41° at Uleaborg, and 42° at Moscow. Daily maxima very little above 60° in any part of our Islands and below 60° at most of the German stations but thermometer exceeding 70° in the south of France.

Wind fresh or strong from the W^wd. over our Islands and the North Sea; moderate from the same quarter over the Netherlands and the west and north of France. Moderate from the SW^wd. or S^wd. over Germany and the Baltic, strong to a gale from the SW^wd. in the south of Norway, light or moderate from the SE^wd. in the north of Scandinavia, E^ly. in Spain; N^ly. or NW^ly. over Algeria and the southern parts of Russia and Italy – Subsequently moderating over Gt Britain but backing to the SW^wd. and increasing in Ireland, with a gale at night.

Barometer highest 30.2 ins. to 30.3 ins. or a little more in a large anticyclone covering the whole of southern and eastern Europe, with the greater part of the Mediterranean. Lowest 29.0 ins. and less in a large and deep depression lying to the west of Norway. Depression subsequently travelling northeastwards but new disturbance approaching Ireland and barometer falling again briskly in the west of our Islands.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 20TH TO 26TH SEPT. 1891.

The weather experienced over the United Kingdom during this period has been of a very unsettled character, and the rainfall has been large over the western districts. The week began by the advance across England in a northeasterly direction of a depression which was developed as a very slight system at the mouth of the Channel on the previous evening. This grew deep rapidly as it moved northeastwards, and caused enormous quantities of rain in Scotland, large amounts in Wales and the northwest and west of England, but much smaller quantities elsewhere. On Monday its centre reached the North Sea, but its movement then altered, and travelling in a south-southeasterly and southerly direction down our east coast it finally filled up over the northeast of France during Tuesday night.

The barometer then rose over England and the weather improved –

On Wednesday night a new series of disturbance began to appear off our western coasts. These gradually became deeper and brought large quantities of rain to Ireland and the west of Scotland, and subsequently caused strong S^ly. to SW^ly. gales on our western and northern coasts generally. At the close of the week one of these depressions was travelling away from our northern coasts towards Norway, the barometer was below 29.0 ins. on our most northern coasts, while it was as high as 30.2 ins. and more over Spain, and was rising at all but the northern stations.

Temperature has varied greatly during the week and on some occasions has been high for the time of year at the English stations.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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 Tuesday 29th September 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Wet.	Difference from 8 a.m. yesterday.	Wind. Direc.	Force. (0 to 12.)	Weather.	Sea. (0 to 8.)	PAST 24 HOURS. Shade Temp. Max.	Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.36	42	SW	2	f	29.49	+.32	41	40	−7	X	0	bc	*	48	41	—
	Hernösand ...	29.35	49	WNW	2	b	29.63	+.40	48	45	−2	SW	2	bc	*	59	41	—
	Stockholm ...	29.69	50	W	2	b	29.80	+.42	50	48	−3	SW	2	b	*	61	48	—
	Wisby														*			
	Bodö	29.41	45	WSW	4	0	29.25	+.11	49	47	+3	X	0	c	0	?	45	0.28
	Christiansund	29.50	51	W	3	c	29.39	−.04	54	53	+5	W	9	r	5	54	49	0.12
	Skudesnaes ...	29.73	55	S	4	0	29.68	−.01	55	55	+5	SSW	6	r	5	?	52	—
	Christiania Fjord (Færder)	29.72	56	WSW	6	bc	29.72	+.17	56	56	+1	SSW	5	f	3	59	55	—
	Skagen (The Scaw)	29.80	55	W	4	0	29.82	+.22	55	56	+2	WSW	3	c	1	55	52	—
	Fanö	29.93	57	WSW	5	0	29.96	+.09	56	58	+3	SW	3	bc	*	59	54	0.04
BRITISH ISLANDS.	Sumburgh Head	29.48	53	SW	1	0	29.36	−.15	53	50	+3	S	4	c	5	56	48	0.22
	Stornoway ...	29.35	58	SW	7	r	29.25	−.16	54	53	−2	W	7	c	6	60	51	0.12
	Wick	29.50	56	SSW	1	c	29.40	−.18	54	51	+1	SW	4	b	3	61	48	—
	Nairn	29.48	63	SW	1	0	29.42	−.13	55	50	−1	SW	4	b	4	68	51	0.04
	Aberdeen ...	29.62	56	SSW	4	c	29.56	−.12	54	50	+2	SW	2	b	2	62	50	0.01
	Leith	29.69	63	SW	4	0	29.63	−.10	56	52	+1	SW	3	c	*	65	51	0.26
	Shields	29.82	61	SW	4	bc	29.71	−.15	58	53	+1	SSE	3	c	2	63	54	0.02
	Spurn Head ...	29.95	60	SSW	5	b	29.88	−.13	55	54	+2	SSW	4	b	3	66	54	—
	York	29.93	63	S	1	b	29.85	−.14	56	53	+2	S	2	bc	*	65	51	—
	Loughborough	30.00	60	SSW	3	b	29.91	−.15	55	53	+2	SW	3	bw	*	69	52	—
	Ardrossan ...	29.68	58	SSW	5	0	29.65	−.10	56	54	0	SW	5	c	4	58	54	0.22
	Malin Head ...	29.56	59	SW	6	0qp	29.53	−.07	53	50	−4	SSW	6	b	4	62	52	0.27
	Mullaghmore ...	29.69	56	SW	6	10g	29.58	−.12	54	50	−5	SSW	6	bc	5	65	51	0.45
	Belmullet ...	29.63	55	WSW	6	cp	29.59	−.06	55	52	−3	WSW	5	bc	*	60	52	0.33
	Donaghadee ...	29.73	60	SW	6	c	29.76	−.10	55	52	−2	SW	5	c	3	63	54	0.06
	Liverpool (Bidston)	29.94	61	SSW	3	bc	29.81	−.18	59	56	+1	S	3	o	3	66	58	—
	Holyhead ...	29.92	59	SSW	7	bdg	29.80	−.18	56	55	−2	SW	4	dmq	4	59	55	0.20
	Parsonstown ...	29.78	62	SSE	2	0	29.76	−.11	54	52	−5	SW	2	c	*	67	51	0.05
	Valencia	29.82	55	WSW	4	0m	29.80	−.06	57	54	−3	SW	5	b	6	61	54	0.11
	Roche's Point ...	29.88	57	SSW	6	r	29.83	−.16	56	55	0	WSW	3	c	4	58	53	0.25
	Pembroke (St. Ann's Hd.)	30.02	58	SSW	5	0	29.83	−.26	58	58	0	SSW	6	dq	6	59	57	0.01
	Scilly	30.06	58	S	4	bc	29.89	−.25	60	59	+1	S	5	omp	5	64	55	—
	Prawle Point ...	30.15	57	WSW	3	b	29.99	−.22	57	57	−1	S	3	c	3	60	55	—
	Jersey (St. Aubin's)	30.20	62	SE	2	b	30.08	−.20	61	58	+3	SSE	4	bw	3	66	50	—
	Hurst Castle ...	30.18	59	WSW	5	b	30.03	−.19	60	50	+2	SW	3	c	2	64	58	—
	Dungeness ...	30.16	60	WSW	6	b	30.05	−.13	61	58	+6	SW	4	b	3	65	54	—
	London	30.14	58	SW	3	bc	30.03	−.13	61	58	+6	SW	2	bw	*	68	48	—
	Oxford	30.11	55	SW	3	c	29.99	−.17	55	53	+1	S	3	bw	*	65	51	—
	Cambridge ...	30.08	60	S	2	b	29.99	−.15	59	56	+5	S	2	b	*	68	49	—
	Yarmouth ...	30.05	62	SW	3	b	30.00	−.09	59	55	+3	SW	3	bw	3	65	51	—
GERMANY & HOLLAND.	Cuxhaven ...	30.05	56	W	4	r	30.08	+.11	56	55	+1	SW	3	b	*	60	54	0.04
	Berlin	30.15	55	W	3	0	30.16	+.10	56	54	+4	W	4	c	*	59	54	0.04
	Wiesbaden ...	*	*	*	*	*	30.25	−.01	48	46	−2	X	0	b	*	61	43	—
	Munich	30.37	46	X	0	b	30.32	−.02	49	44	−4	SE	2	b	*	59	37	—
	The Helder ...	30.11	59	SW	4	b	30.08	−.04	59	57	+1	SW	2	b	3	61	57	—
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	30.15	−.10	54	51	+3	SSE	3	b	*	63	47	—
	Cape Gris Nez	30.18	58	WSW	5	b	30.07	−.09	54	52	−3	SSW	3	b	3	61	50	—
	Paris	30.27	57	SE	1	b	30.16	−.16	45	45	+1	S	1	b	*	67	42	—
	Brest	?	62	S	2	c	?	?	60	59	+2	S	2	c	3	66	57	—
	Lorient	30.20	62	NNE	1	c	30.05	−.22	57	56	+4	SE	2	bc	4	68	53	—
	Rochefort ...	30.20	67	ENE	3	b	?30.06	−.22	55	54	0	SSE	3	b	*	72	52	—
	Belfort	30.25	57	W	3	bc	?	?	51	43	+4	W	3	f	*	70	42	—
	Lyons	30.27	58	N	1	b	30.24	−.08	48	46	−5	SSW	1	b	*	66	44	—
	Nice	30.20	61	SW	1	bc	30.29	+.11	59	55	−3	ENE	4	b	1	72	55	—
	Perpignan ...	30.20	59	X	0	b	30.20	−.05	?	?	?	X	0	b	*	77	49	—
	Biarritz	30.07	68	E	4	b	?29.99	−.24	67	62	+5	X	0	b	2	75	59	—
PENINSULA.	Corunna	*	*	*	*	*	30.06	−.11	64	60	0	X	0	b	6	81	61	—
	Lisbon	30.07	69	NW	4	b												

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Tuesday, 29th Sept^r, 1891.

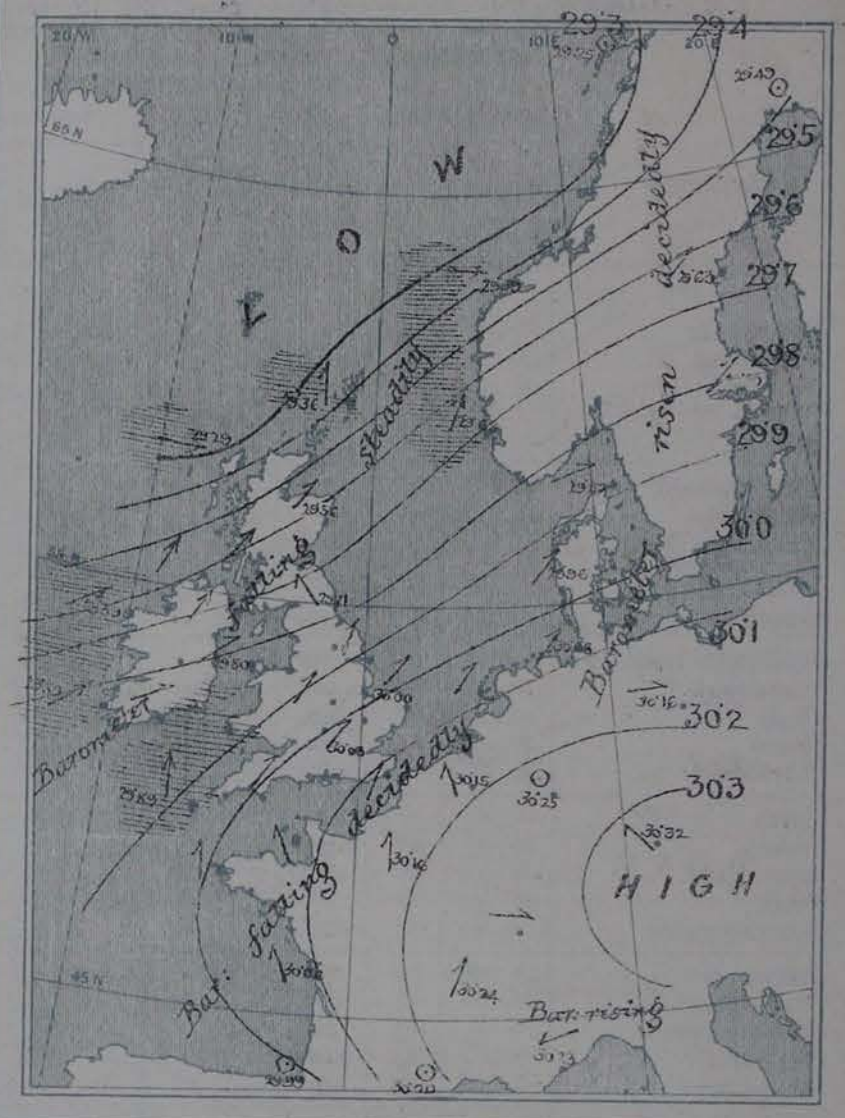
BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

WIND—Arrows shew the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
= forces above 10; = forces 8 to 10;
= forces 5 to 7: = forces 1 to 4.
= dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:
= Rough. = High.



MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·905
Holyhead	29·929
Liverpool	29·935
Parsonstown	29·937
Valencia	29·947
Roche's Point	29·946
Pembroke	29·948
Scilly	29·971
Prawle Point	29·968
Jersey	29·988
Hurst Castle	29·991
Dover	29·976
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948

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

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

WEATHER is shewn by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry	Wet.	RAINFALL (Inches)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	1·49
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	2·58
Aberdeen	59·2	48·7	52·1	49·7	2·97
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·4	52·7	55·5	53·8	2·62
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·9	52·2	2·76
Ardrossan	59·6	49·4	53·5	51·1	3·67
Mullaghmore	60·2	50·9	54·0	51·6	4·95
Donaghadee	59·0	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·16
Valencia	61·8	51·5	56·5	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins and upwards over South Germany.

Lowest, 29·3 ins and less in a large area lying to the northward of our Islands and the westward of Norway.

Gradients rather steep over Scandinavia and the northern part of the United Kingdom, but moderate or slight elsewhere.

Barometer falling at all but the Swedish and Danish stations.

TEMPERATURE

Highest, 67° at Biarritz, 64° at Lisbon, 61° at Jersey, Dungeness, and in London, and 60° at Scilly, Hanet Cavis, and Brest.

Lowest, 41° at Haparanda, 45° at Munich, and Paris, 48° at Hernösand and Lyons, and 49° at Bodö.

The highest maxima registered over our Islands yesterday were 69° at Loughborough, and 68° at Nairn, Cambridge, and in London.

WIND

SW^ly over Ireland, Scotland, and the greater part of Scandinavia; strong in force in many places, with a gale at Christiansund.

Moderate from the S^ly at most of the English stations, and light from the SE^ly in the west of France.

Calm or light from the E^ly in the south of France.

WEATHER

Fine at present over the greater part of Western Europe, but dull and showery in Wales and the southwest of England, and rainy in the west of Norway.

Rain fell yesterday at most of our western and northern stations, and aurora was seen in the north of Scotland.

SEA

Rough on many parts of our western and northern coasts, but slight in the east and south.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer continues to fall steadily over France and the south of England, and there are some indications of the advance of a shallow depression from Spain. A change to unsettled weather is probable in most parts of England.

FORECASTS

For the 24 hours ending at NOON on 30th Septr 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW^ly and W^ly winds, strong; cloudy, some showers.	6 SCOTLAND WEST	SW^ly winds, moderate; cloudy, some rain.
1 SCOTLAND EAST	SW^ly winds, light or moderate; fine generally.	7 ENGLAND N.W.	
2 ENGLAND N.E.	Same as No 5	8 ENGLAND S.W.	S^ly and SE^ly winds, fresh or strong; dull, some rain.
3 ENGLAND EAST		9 IRELAND NORTH	SW^ly winds, moderate or fresh; fair generally, but some showers.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH	S^ly winds, moderate or fresh; fine to cloudy and showery.	WARNINGS	The SOUTH CONE has been lowered this morning in all districts excepting No 0.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnaes ...	29.74	54	51	S	5	o	4
Sumburgh Head	29.47	54	54	W	3	o	5
Stornoway	29.47	58	57	SW	5	o	5
Aberdeen							
Shields	29.83	59	56	SW	4	c	2
Ardrossan	29.71	58	57	SSW	4	r	3
Malin Head ...	29.38	61	60	SSW	6	o q p	3
Mullaghmore ...	29.63	64	62	SSW	8	c	6
Belmullet	29.61	59	59	SSW	7	o q p	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.55	59	59	SSW	6	o m q	6
Valencia	29.81	61	60	SSW	8	o m p d	6
Scilly	30.10	63	60	S	4	c	4
Jersey	30.24	65	59	SSE	3	b	3
Dungeness	30.17	63	59	W	6	b c	5
London	30.14	67	61	SW	3	b c	*
Yarmouth	30.07	64	59	WSW	4	b	3
Rochefort	30.25	68	64	WNW	3	b	2

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather in morning fine and bright over the greater part of southwestern, southern, and southeastern Europe (North Italy excepted) and in many parts of England and France, cloudy or overcast and changeable elsewhere, with rain at times in the west and north of our Islands, and the northern parts of Scandinavia and Finland. Continuing fine over France and the greater part of England all day, but showery in the west and north, as well as in the west of Norway and some parts of Germany.

Temperature rising over the United Kingdom, after a rather cold night, giving way steadily over southeastern Europe. Morning readings exceeding 70° at Malta only, and not exceeding 60° at any but the most southern stations and at Valencia Island; below 50° at many of the northern stations and in several parts of France and Germany, and as low as 40° to 48° over northern Europe, 41° to 46° over southern Russia, and 43° to 49° over Central France and South Germany. Rising later to between 60° and 68° over the major part of the United Kingdom, to 70° and more in the south of France, and to 81° at Lisbon.

Wind SW over the British Isles — moderate in the east and south, strong to a gale in the west and northwest; W over Scandinavia, Denmark and North Germany, and SW on the eastern side of the Baltic and over Finland. Very light and variable over the central part of Russia and France; mainly E to NE over southern Europe. Increasing in force over Irish Sea later, but falling light in Norway.

Barometer highest 30·3 ins. and more to 30·2 ins. in an anticyclone over Germany, France, and Spain; 30·2 ins. and more over the southeast of Russia, and exceeding 30·0 ins. over western, southern, and eastern Europe generally. Lowest 29·2 ins. and less, in a depression over Lapland and the north of Scandinavia; 29·5 ins. and less, in another off our extreme northwestern coasts and moving northeastwards. Falling somewhat over western Europe generally during day — most over 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.

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

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 Wednesday, 30th September, 1891.

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

	STATIONS.	YESTERDAY EVENING. Barom: Reading at 32° F. and Sea Level.	Temp. Dry.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	8 A.M. TO DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force. (0 to 12.)	Weather.	Sea. (0 to 6.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.37	46	W	2	b	29.36	-.13	47	45	+6	W	2	b	*	48	34	0.08
	Hernösand ...	29.48	54	S	4	o	29.48	-.15	56	50	+8	SW	2	b	*	61	37	-
	Stockholm ...	29.75	55	S	2	b	29.77	-.03	55	52	+5	SW	4	bc	*	59	46	-
	Wisby	29.88	57	S	6	b	29.89	+.03	56	54	+3	SSW	4	b	*	57	50	-
	Bodö	29.24	51	SW	4	o	29.11	-.14	50	49	+1	SW	6	c	3	52	41	0.59
	Christiansund	29.30	55	N	3	bc	29.40	+.01	52	48	-2	WSW	7	bc	5	57	52	0.16
	Skudesnaes ...	29.63	55	SSW	6	bc	29.66	-.02	55	52	-2	SSW	4	c	5	?	54	0.47
	Christiania Fjord (Færder)	29.71	56	SSW	6	m	29.69	-.03	56	53	0	SW	4	c	4	57	55	-
	Skagen (The Scaw)	29.76	57	WSW	5	o	29.72	-.10	55	55	-2	SW	4	r	2	63	54	0.95
	Fanö	29.89	57	SSW	4	b	29.82	-.14	59	57	0	SSW	3	b	*	63	55	-
BRITISH ISLANDS.	Sumburgh Head	29.30	53	SW	5	bc	29.44	+.08	50	48	-3	ESE	1	o	4	56	47	0.09
	Stornoway ...	29.36	51	W	7	o	29.30	+.01	52	50	-2	SW	6	o	5	55	47	0.14
	Wick	29.39	53	W	4	bc	29.45	+.05	52	50	-2	S	3	o	1	60	45	-
	Nairn	29.41	52	SW	3	bc	29.41	-.01	51	50	-4	SW	2	bc	1	61	46	-
	Aberdeen ...	29.53	55	SSW	4	bq	29.57	+.01	51	48	-3	S	2	c	3	61	46	-
	Leith	29.62	51	WSW	3	bc	29.57	-.06	54	50	-2	SW	2	o	*	62	48	0.02
	Shields	29.72	57	SSW	2	bcm	29.68	-.03	52	50	-6	SSE	3	c	2	60	48	-
	Spurn Head ...	29.78	62	SSW	4	o	29.81	-.07	55	52	-2	SSW	4	b	4	67	?49	0.02
	York	29.78	55	SW	1	o	29.78	-.07	49	48	-7	S	1	b	*	66	43	0.01
	Loughborough	29.81	60	SW	3	o	29.83	-.08	51	49	-4	SSW	4	bw	*	69	49	0.03
	Ardrossan ...	29.64	56	SW	3	op	29.48	-.17	55	54	-1	S	5	op	5	58	52	0.12
	Malin Head ...	29.58	52	WSW	5	cp	29.25	-.28	52	49	-1	S	6	op	3	58	47	0.02
	Mullaghmore ...	29.65	54	WNW	5	cp	29.34	-.24	53	51	-1	SSW	6	cqp	5	59	50	0.15
	Belmullet ...	29.63	54	WSW	4	b	29.31	-.28	53	50	-1	WSW	5	c	*	60	52	0.57
	Donaghadee ...	29.68	57	SW	3	b	29.52	-.18	54	52	-1	SSW	5	o	3	64	53	0.03
	Liverpool (Bidston)	29.80	55	SW	2	bc	29.74	-.07	53	50	-6	SE	2	bc	3	64	49	0.27
	Holyhead ...	29.79	56	SW	3	b	29.68	-.12	57	54	+1	SSW	5	cgw	5	59	54	0.18
	Parsonstown ...	29.76	55	Z	0	b	29.50	-.26	54	53	0	SE	3	o	*	61	47	0.04
	Valencia	29.80	56	SW	4	bcm	29.53	-.27	56	54	-1	SW	6	opm	6	60	53	0.23
	Roche's Point ...	29.83	56	WSW	3	b	29.60	-.23	56	55	0	SSW	7	ru	5	61	53	-
	Pembroke (St. Ann's Hd.)	29.86	56	WSW	4	bc	29.75	-.08	58	56	0	SSW	6	bc	5	59	55	0.14
	Scilly	29.91	56	W	2	bc	29.85	-.04	58	55	-2	SSW	5	bc	5	62	54	0.01
	Prawle Point ...	29.91	58	SSW	3	f	29.92	-.07	57	56	0	SSW	5	bc	4	60	56	0.07
	Jersey (St. Aubin's)	29.97	62	SW	3	bc	29.98	-.10	59	57	-2	WSW	3	cmw	3	68	52	-
	Hurst Castle ...	29.94	61	SW	4	c	29.93	-.10	58	56	-2	WSW	4	bw	2	66	54	0.01
	Dungeness ...	29.94	61	SW	4	bc	29.92	-.13	60	59	-1	SW	4	c	3	66	59	-
	London	29.92	59	SW	3	b	29.92	-.11	55	53	-6	WSW	2	b	*	69	52	0.02
	Oxford	29.88	60	SW	1	r	29.92	-.07	51	50	-4	SW	1	b	*	67	48	0.04
	Cambridge ...	29.88	60	S	2	c	29.91	-.08	53	52	-4	SW	1	b	*	70	47	-
	Yarmouth ...	29.88	61	SSW	4	b	29.88	-.12	57	55	0	WSW	3	b	2	65	53	-
GERMANY & HOLLAND.	Cuxhaven ...	30.04	57	SSW	2	b	29.93	-.15	53	52	-3	SSW	3	m	*	65	50	-
	Berlin	30.10	59	Z	0	b	30.04	-.12	53	51	-3	S	2	b	*	66	50	-
	Wiesbaden ...	*	*	*	*	*	30.10	-.15	48	47	0	Z	0	b	*	63	45	-
	Munich	30.17	51	NE	2	b	30.19	-.13	51	50	+6	SSW	1	b	*	64	45	-
	The Helder ...	29.95	52	S	1	b	29.91	-.17	59	58	0	SSW	2	o	3	64	50	-
FRANCE AND BELGIUM.	Brussels (9 a.m.)	*	*	*	*	*	29.99	-.16	59	56	+5	SE	3	c	*	70	50	-
	Cape Gris Nez	29.95	60	SW	4	b	29.92	-.15	61	61	+7	ESE	4	c	4	66	50	-
	Paris	30.03	61	S	1	b	† 30.03	-.13	53	52	+6	SSE	1	b	*	72	45	-
	Brest	30.01	63	S	3	o	† 29.99	?	59	59	-1	SW	2	o	5	66	55	-
	Lorient	30.02	63	WSW	2	o	29.99	-.06	60	59	+3	SW	1	c	5	70	57	-
	Rochefort ...	30.01	68	WSW	3	b	30.03	-.03	62	62	+7	SSE	3	o	2	79	55	-
	Belfort	?	57	W	1	bc	† ?	?	53	43		W	1	f	*	71	41	-
	Lyons	30.10	66	S	2	b	30.14	-.10	54	52	+6	Z	0	o	*	74	45	-
	Nice	30.17	64	Z	0	b	† 30.13	-.10	60	53	+1	E	4	b	0	72	57	-
	Perpignan ...	30.14	64	NE	2	b	† 30.12	-.08	59	59	?	Z	0	f	*	72	57	-
	Biarritz	30.03	67	W	3	o	29.99	.00	66	63	-1	ESE	3	b	2	73	64	-
PENINSULA.	Corunna	*	*	*	*	*												
	Lisbon	30.02	60	NNW	2	b	30.04	-.02	59	56	-5	NNE	2	b	6	78	57	-

For Explanation of Columns, see bottom of p. 4.

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

WEATHER CHARTS

for 8 a.m. on Wednesday 30th Sept., 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

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

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

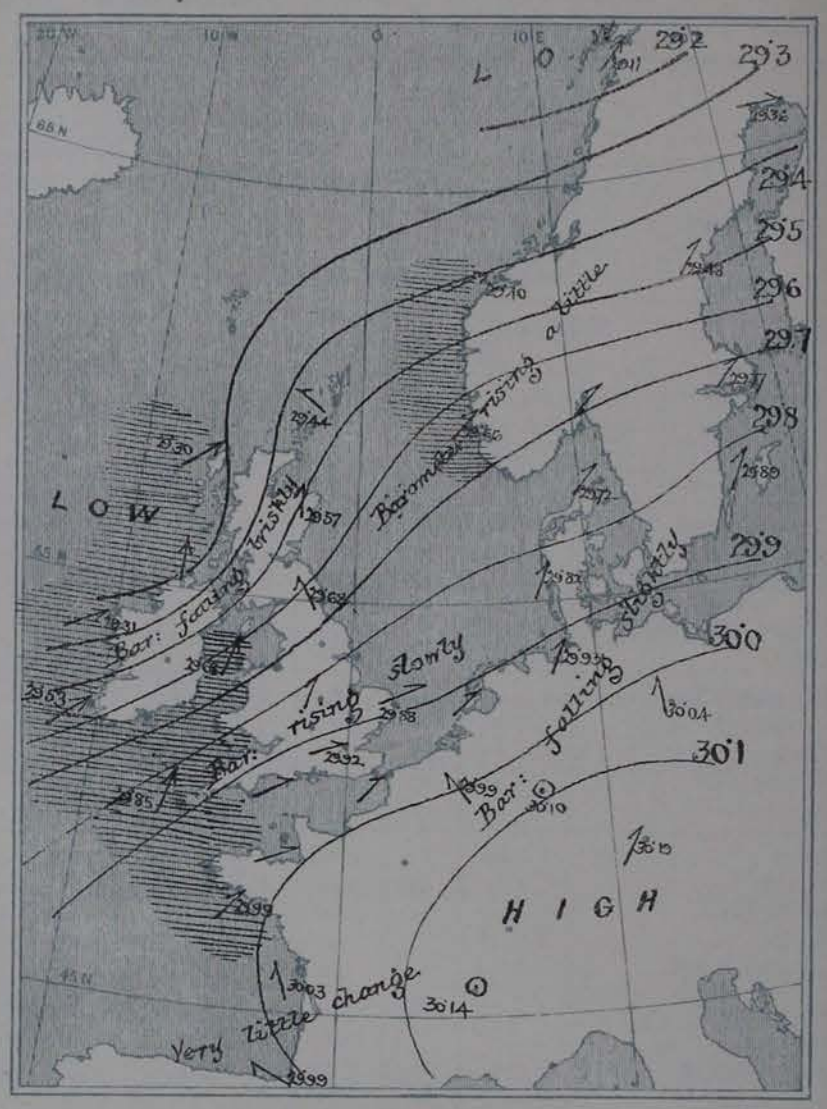
SEA DISTURBANCE—Where considerable, is shewn thus:

= Rough. = High.

MEAN HEIGHT OF THE BAROMETER

at 8·0 a.m. for the month of September During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS. ins.
Sumburgh Head	29·797
Stornoway	29·815
Wick	29·829
Nairn	29·843
Aberdeen	29·858
Leith	29·881
Shields	29·903
Spurn Head	29·929
York	29·939
Loughborough	29·959
Ardrossan	29·885
Mullaghmore	29·890
Donaghadee	29·865
Holyhead	29·929
Liverpool	29·955
Parsonstown	29·917
Valencia	29·917
Roche's Point	29·910
Pembroke	29·948
Scilly	29·971
Prawle Point	29·955
Jersey	29·988
Hurst Castle	29·991
Dover	29·970
LONDON	29·978
Oxford	29·971
Cambridge	29·965
Yarmouth	29·948



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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of September.)

STATIONS.	TEMPERATURE. Daily Max.	Daily Min.	at 8 a.m. Dry	Wet	RAINFALL (Inches.)
Sumburgh Head	55·0	46·1	50·8	49·1	3·32
Stornoway	56·3	45·8	51·4	50·1	1·10
Wick	57·7	45·5	51·9	50·0	2·53
Nairn	59·2	46·5	51·3	48·9	[illegible]·55
Aberdeen	59·2	46·7	52·1	49·7	2·37
Leith	61·9	47·5	53·2	50·8	2·34
Shields	59·8	48·8	53·1	51·0	2·50
Spurn Head	60·1	52·7	55·5	53·8	2·02
York	62·9	47·7	52·9	51·1	2·70
Loughborough	65·0	47·8	54·0	52·2	2·56
Ardrossan	59·6	49·4	53·5	51·1	3·67
Mullaghmore	60·2	50·9	54·0	51·6	1·95
Donaghadee	59·6	49·2	53·5	52·3	3·04
Holyhead	60·7	52·6	55·7	53·5	3·23
Liverpool	61·2	50·8	54·5	51·9	3·30
Parsonstown	61·5	47·4	53·0	51·1	3·10
Valencia	61·8	51·5	56·6	54·2	4·53
Roche's Point	61·7	51·0	55·5	53·4	4·08
Pembroke	60·1	53·0	56·1	53·9	3·58
Scilly	61·8	54·7	58·4	56·3	3·41
Prawle Point	62·4	52·2	57·0	55·2	2·46
Jersey	65·4	54·8	59·9	57·0	3·05
Hurst Castle	64·3	52·1	57·1	55·7	3·07
Dover	63·4	52·9	57·7	55·2	2·64
LONDON	66·4	49·6	55·8	53·5	2·35
Oxford	64·0	48·9	54·0	52·1	2·66
Cambridge	65·6	48·1	54·6	53·0	2·26
Yarmouth	62·1	51·4	56·3	54·4	2·91

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 in: and upwards, over South Germany and the east of France.
Lowest, 29·1 in: and less, in a depression lying off the northwest of Norway; 29·3 in: and less, in another system lying to the westward of Scotland.
Gradients rather steep over the west of our Islands, but moderate or slight elsewhere.
Barometer falling briskly on our northwest coasts, and slightly in Denmark and North Germany, but rising elsewhere.

TEMPERATURE

Highest, 66° at Biarritz, 62° at Rochefort, 61° at Cape Gris Nez, and 60° at Dungeness and Lorient.
Lowest, 47° at Haparanda, 48° at Wiesbaden, 49° at York, 50° at Bodö, and 51° at Nairn, Aberdeen, Loughborough, Oxford, and Munich.
The highest maxima registered over our Islands yesterday were 70° at Cambridge, and 69° at Loughborough and in London.

WIND

S.ly or SW.ly over the whole of northwestern Europe; strong in force on the west coasts of our Islands and Norway, but light or moderate elsewhere.
Light from the SE.ly in the west of France.

WEATHER

Fine over the greater part of our area, but dull and showery in the west of our Islands, and cloudy at some of the French stations.
Rain fell yesterday in many parts of northwestern Europe, the largest amounts being 1·0 in: at Skagen and 0·6 in: at Bodö and Belmullet.

SEA

Rather rough on our western and extreme northern coasts, as well as off the west of Norway, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off our northwest coasts will probably travel northeastwards, and as there are at present no signs of the approach of any secondary disturbance it is not likely that the unsettled weather will spread over England.

FORECASTS

For the 24 hours ending at NOON on 1st Oct.r 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SW.ly winds, strong; dull, some rain	6 SCOTLAND WEST	S.ly to SW.ly winds, strong; dull, some rain.
1 SCOTLAND EAST 2 ENGLAND N.E.	S.ly and SW.ly winds, freshening; fair to cloudy and showery.	7 ENGLAND N.W. 8 ENGLAND S.W.	SW.ly winds, strong; fair to dull and some rain.
3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH	SW.ly winds, moderate or fresh; fair generally.	9 IRELAND NORTH 10 IRELAND SOUTH	SW.ly winds, strong; cloudy, showery.
		WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Skudesnses ...	29.63	56	55	S	6	rf	5
Sumburgh Head	29.28	54	51	SSW	5	c	6
Stornoway	29.29	54	53	W	7	r	6
Aberdeen	29.51	60	52	SSW	5	bq	4
Shields	29.71	60	55	SW	3	ofp	2
Ardrossan	29.62	52	50	SW	4	o	4
Malin Head ...	29.54	57	53	SW	6	b	5
Mullaghmore ...	29.64	55	53	SW	6	bcp	5
Belmullet	29.64	57	52	WSW	5	bc	*

	BAR:	THER: D.	THER: W.	WIND D.	WIND F.	WEA.	SEA
Holyhead	29.79	58	56	SW	3	b	3
Valencia	29.80	60	55	WSW	5	bogm	5
Scilly	29.91	58	57	WNW	3	c	5
Jersey	30.01	66	61	S	3	b	3
Dungeness	29.97	66	60	SW	3	b	2
London	29.93	68	62	SW	3	bc	*
Yarmouth	29.92	65	60	S	5	b	4
Rochefort	30.06	74	65	WNW	3	b	2

GENERAL REMARKS ON THE WEATHER OVER EUROPE

DURING THE PAST 24 HOURS.

Weather continuing fine over the greater part of southeastern, southern, and western Europe, including the southeast and east of the British Islands and the coasts of Sweden and Finland, cloudy or overcast elsewhere, foggy in several places, raining in the west of Norway, Wales, and west of England — temporarily fine, (but changeable) in Ireland. Heavy rain later on the northeastern shores of the North Sea; a smaller amount on our western coasts, and slight showers in the south of England.

Temperature little changed. Morning readings exceeding 70° at Malta and Algiers only and exceeding 60° over southern Europe and at some of the English Channel stations, below 60° all over the United Kingdom, and as low as (1) 41° to 46° over Finland and the north of Russia; (2) 42° to 50° in the south of Russia, (3) 45° at Paris and Munich, 48° at Wiesbaden. Rising later to between 65° and 70° over the southern, eastern, and inland part of England, and to between 70° and 80° in the southwest and south of France.

Wind light and mainly E^ly (but variable) over southern Europe; very light and variable over France, Germany, and southern Russia, light to moderate from W. and SW. over Germany and the Baltic, SW^ly moderate to strong over the British Islands. A W^ly gale reported at Christiansund, but dying down later.

Barometer highest 30·3 ins. and more to 30·1 ins. in an anticyclone covering central Europe; 30·2 ins. to 30·1 ins. in another over southern and southeastern Russia; exceeding 30·1 ins. over Portugal also. Lowest 29·3 ins. and less off the northwest and north of our Islands and the northwest of Norway, and below 29·5 ins. over the White Sea. Changing little and irregularly over the United Kingdom later but giving way over 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.

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

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 "

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING.					8 A.M. TO-DAY.									PAST 24 HOURS.		
				WIND.			BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	Direc.	Force (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direct.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Max.	Min.	Amount of Rainfall.
1	Brussels....	*	*	*	*	*	29·69	−·22	63	-	+4	SSW	5	0	*	70	59	0·04
"	Lyons.....	30·01	84	ESE	1	0	30·04	+·03	62	-	−1	S	1	bc	*	?	56	-
"	Corunna....	*	*	*	*	*	30·02	−·02	69	65	+2	SSW	5	0	2	70	59	0·04
2	Haparanda	29·54	53	S	4	bc	29·06	−·71	53	53	+1	SSE	6	r	*	57	48	0·20
"	Corunna....	*	*	*	*	*	29·91	−·11	69	66	0	S	6	c	5	93	63	-
3	Corunna....	*	*	*	*	*	30·04	+·13	64	60	−5	NW	4	bc	3	72	55	0·43
4	Spurn Head.	29·96	58	ESE	4	c	29·95	−·02	57	54	+3	SSW	2	bcm	3	61	52	-
"	Corunna....	*	*	*	*	*	30·18	+14	63	60	−1	S	1	bc	3	64	50	-
5	Corunna....	*	*	*	*	*	30·16	−·02	61	59	−2	NE	4	b	2	63	54	-
"	Malin Hd. 2pm	-	-	-	-	-	29·79	-	55	52	-	SSW	4	0	3	-	-	-
7	Corunna....	*	*	*	*	*	29·98	−·04	64	60	+1	S	2	b	1	66	52	-
9	Corunna....	*	*	*	*	*	29·88	−·17	65	61	+2	NW	4	b	0	75	55	-
10	Brussels....	*	*	*	*	*	30·23	−·01	65	-	+1	ESE	1	b	*	77	55	-
"	Corunna....	*	*	*	*	*	29·85	−·03	66	61	+1	SSE	1	b	1	70	57	-
11	Corunna....	*	*	*	*	*	29·86	+·01	72	66	+6	SW	3	bc	2	73	61	-
12	Corunna....	*	*	*	*	*	29·75	−·11	70	66	−2	S	2	c	1	73	59	-
14	Corunna....	*	*	*	*	*	29·98	+·14	66	64	+2	NSW	4	0	4	73	55	0·04
15	Corunna....	*	*	*	*	*	30·40	+·42	65	60	−1	N	1	b	7	68	55	0·04
16	Corunna....	*	*	*	*	*	30·56	+·16	62	59	−3	NE	6	0	4	65	57	-
17	Corunna....	*	*	*	*	*	?	?	64	60	+2	NE	1	b	1	68	50	-
18	Corunna....	*	*	*	*	*	30·11	?	64	-	0	E	3	b	1	70	?	?
19	Corunna....	*	*	*	*	*	30·02	−·09	64	62	0	SSW	2	b	3	70	50	-
21	Corunna....	*	*	*	*	*	30·20	+·17	61	58	−4	SW	3	0	3	66	48	-
22	Corunna....	*	*	*	*	*	30·13	−·07	59	57	−2	SSW	4	0	4	63	48	-
23	Corunna....	*	*	*	*	*	30·13	·00	65	?	+6	SSW	4	0	3	66	57	-
24	Corunna....	*	*	*	*	*	30·17	+·04	61	60	−4	S	3	0	2	70	55	-
25	Corunna....	*	*	*	*	*	30·16	−·01	63	62	+2	S	3	0	2	68	59	-
26	Corunna....	*	*	*	*	*	30·25	+·09	68	66	+5	S	5	0	2	70	57	-
28	Corunna....	*	*	*	*	*	30·17	−·05	66	66	−3	S	1	f	6	75	61	0·04
"	Aberdeen 2pm	-	-	-	-	-	29·64	-	58	56	-	SSW	3	c	4	-	-	-
29	Wisby.....	29·76	55	NSW	4	0	29·86	+·32	53	-	0	NSW	4	c	*	57	50	-
"	Corunna....	*	*	*	*	*	30·10	−·07	65	63	−1	W	3	bc	2	68	57	-
30	Corunna....	*	*	*	*	*	30·04	−·06	64	61	−1	SE	5	b	6	66	57	-

ORTS FOR SEPTR 1891.

2. CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING. Barometer at 32° F. and Sea Level.	Temp. in Shade.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	8 A.M. TO-DAY. Barometer. Reading at 32° F. and Sea Level.	Barometer. Difference from 8 a.m. yesterday.	Shade Temp. Dry.	Shade Temp. Wet.	Shade Temp. Difference from 8 a.m. yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Shade Temp. Max.	Shade Temp. Min.	Amount of Rainfall.
2	Ardrossan...	28·89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Malin Head 2pm	-	-	-	-	-	29·79	-	-	-	-	-	-	-	-	-	-	-
4	Jersey.....	29·99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Aberdeen...	-	-	-	-	-	-	-	52	-	+ 2	-	-	-	-	-	-	-
..	Aberdeen... 2pm.	-	-	-	-	-	29·82	-	-	-	-	-	-	-	-	-	-	-
7	Haparanda..	29·99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Dungeness..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	-
13	Mullaghmore.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?54	-
..	Scilly.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	no rain
16	Aberdeen....	-	-	-	-	-	-	-	-	-	-	SSW	-	-	-	-	-	-
..	Hurst Castle..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	? 47	-
19	Parsonstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	-
..	Aberdeen 2pm	-	-	-	-	-	29·82	-	-	-	-	-	-	-	-	-	-	-
21	Aberdeen...	29·77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	Valencia....	-	-	-	-	-	-	-	-	-	-	x	0	-	-	-	-	-
..	Jersey.....	29·86	-	-	-	-	-	-	-	-	-	-	-	-	-	62	-	-
23	Mullaghmore 2pm.	-	-	-	-	-	-	-	57	53	-	-	-	-	-	-	-	-
24	Ardrossan...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	-	-
26	Parsonstown	-	-	-	-	-	29·60	- 47	-	-	-	-	-	-	-	-	-	-
27	Hurst Castle..	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·01
28	Perpignan...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-
30	Spurn Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-