

METEOROLOGICAL OFFICE.

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DAILY WEATHER REPORTS.

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1<sup>ST</sup> JULY TO 31<sup>ST</sup> DECEMBER,

1891.

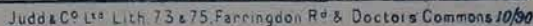
*Soc. Reg. Lond.*

22.2.93.



*July to December 1891.*

*July to December 1891.*





# 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	29.800	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 MEAN VALUES OF THE MONTH AND FOR THE WHOLE YEAR, DERIVED FROM OBSERVATIONS.

STATIONS.	JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.		JULY.
	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Wet.
Sumburgh Head - - - - -	39.7	38.4	38.5	37.4	38.3	36.9	41.7	40.2	46.1	44.0	50.3	48.0	51.1
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	55.5
Wick - - - - -	38.2	36.8	38.1	36.7	39.0	37.2	43.1	41.2	49.1	45.6	53.3	50.7	55.8
Nairn - - - - -	37.2	35.6	37.1	35.4	38.0	36.2	42.7	40.4	48.6	45.4	54.3	50.1	56.7
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	57.5
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	58.4
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	58.3
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	59.5
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	59.2
Loughborough - - - - -	36.4	35.4	37.5	36.4	39.0	37.3	44.4	42.1	51.1	47.7	57.8	53.2	61.4
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	57.3
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	57.2
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	57.4
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	59.4
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	58.1
Parsonstown - - - - -	38.9	37.8	39.4	38.1	40.4	38.8	45.0	42.5	51.0	47.8	56.0	52.1	58.1
Valencia - - - - -	44.5	43.3	44.6	42.9	44.9	42.8	48.2	45.6	52.8	49.7	57.2	54.1	58.9
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	53.1	58.8
Pembroke - - - - -	42.7	41.3	42.1	40.9	42.1	40.3	45.2	43.4	49.9	47.7	55.2	53.1	58.0
Scilly - - - - -	46.4	44.9	46.0	44.4	46.0	44.2	48.6	46.6	52.7	50.3	57.3	55.1	60.2
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	59.6
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	62.0
Hurst Castle - - - - -	40.3	39.5	40.3	39.3	41.0	40.1	45.5	44.2	51.6	49.9	57.7	55.1	61.1
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	61.9
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	62.0
Oxford - - - - -	37.1	36.1	37.9	36.8	38.9	37.4	44.4	42.1	50.6	47.5	56.8	53.1	60.0
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	61.3
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	60.9

NOTE.—When the records available have not extended over the whole of the period 1871 to 1890, the following rules have been adopted.

- (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 used to their full extent.

At Malin Head and Belmullet the observations are sufficient in point of time to be used.



## VALUES OF THE DRY BULB AND WET BULB TEMPERATURES FOR EACH

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

STATION.	JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.		ANNUALS.		LIMITS OF YEARS.	NUMBER OF YEARS.
	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.		
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	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	
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	
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	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	
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	
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	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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
0	56.0	58.6	56.5	53.1	53.9	51.2	49.2	46.9	45.1	43.6	42.2	49.3	47.5	„ „	20	
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	
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	
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	
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	
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	
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	
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	
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	
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	

Following rules have been observed for purposes of interpolation:—

they are rejected.

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

Stations deficient 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 FROM

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	30.3	40.3	44.6	30.3	40.5	46.3	30.3	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	56.2
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	55.1
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	56.2
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
Seilly - - -	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	57.1
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	56.0
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	58.0
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	58.0
Dover - - -	43.5	35.3	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	57.1
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	59.9
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	58.0
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	58.0
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	56.0

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	53.2	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	33.54	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	3.53	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.



# DAILY WEATHER REPORT.

for *Saturday 1<sup>st</sup> August.* 1891.  
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea.	SHADE TEMP.		Amount of Rainfall.	
				Force.	Dir.		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force.			Max.	Min.		
		Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Sea. (0 to 12.)	Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.88	53	2	0	6	29.92	+0.04	58	57	+6	NE	2	0	*	63	45	—	
	Hernösand ...	29.86	60	NE	4	0	29.88	+0.12	63	55	-1	NE	2	0	*	77	52	—	
	Stockholm ...	29.84	61	S	2	6	29.91	+0.10	70	61	+6	2	0	0	*	73	52	—	
	Wisby ...	29.87	61	SW	4	6	29.90	+0.06	65	55	+2	W	4	6	*	70	54	—	
	Bodö ...	29.84	51	2	0	C	29.85	+0.05	53	48	+2	W	1	6	1	57	46	—	
	Christiansund	29.84	53	2	0	0	29.84	+0.03	56	52	+2	2	0	0	0	59	54	—	
	Skudesnaes ...	29.86	56	NNW	2	6	29.86	+0.05	55	58	-4	NNW	4	C	2	63	53	—	
	Christiania Fjord (Færder)	29.92	64	SW	3	6	29.85	+0.05	64	61	-1	SE	2	m	2	66	61	—	
	Skagen (The Scaw)	29.80	66	2	0	6C	29.83	+0.05	61	55	-4	S	1	f	0	70	55	—	
	Fanö ...	29.85	56	2	0	C	29.86	+0.11	63	53	+3	SE	1	6	*	66	52	—	
BRITISH ISLANDS.	Sumburgh Head	29.88	52	W	1	0	29.78	-0.12	53	52	+4	S	2	0	3	54	47	0.05	
	Stornoway ...	29.90	57	SW	3	0	29.75	-0.22	53	58	+2	SW	2	T	3	58	50	0.01	
	Wick ...	29.93	52	S	3	6C	29.78	-0.15	55	53	+2	S	2	0	1	59	48	—	
	Nairn ...	29.89	60	ESE	1	6	29.75	-0.14	53	53	+5	W	1	C	1	66	45	—	
	Aberdeen ...	29.96	52	SE	2	6	29.85	-0.13	55	52	+5	S	2	6C	2	57	44	—	
	Leith ...	29.94	57	NNE	3	6	29.88	-0.06	55	53	+4	SW	1	0	*	53	43	—	
	Shields ...	29.96	54	N	2	6	29.90	-0.01	53	50	+2	WNW	2	C	3	58	46	—	
	Spurn Head ...	29.91	56	N	5	0	29.92	+0.10	53	52	-2	WNW	3	6	3	58	51	0.22	
	York ...	29.97	56	NE	1	0	29.94	+0.06	55	54	+2	W	1	C	*	59	45	—	
	Loughborough	29.97	58	NNW	4	0	29.98	+0.11	57	53	+1	WNW	2	6C	*	60	51	—	
GERMANY & HOLLAND.	Ardrossan ...	29.96	57	W	4	C	29.85	-0.07	53	53	-2	SW	2	0	2	63	53	—	
	Malin Head ...	29.95	57	W	3	0	29.88	-0.06	55	53	+5	W	3	0	2	60	51	0.02	
	Mullaghmore ...	29.94	57	WNW	4	0	29.94	-0.13	58	56	+4	SW	2	C	2	60	53	0.07	
	Belmullet ...	29.94	58	W	2	0	29.93	-0.15	58	58	+3	W	2	0	*	61	54	0.05	
	Donaghadee ...	29.90	55	NE	3	0	29.94	-0.07	60	58	+7	W	2	0	0	60	52	—	
	Liverpool (Bidston)	29.95	57	WNW	3	6C	29.97	+0.02	53	53	-3	W	1	0	2	60	52	—	
	Holyhead ...	29.93	55	NNW	1	C	29.98	+0.05	55	53	+3	W	1	0	2	55	51	—	
	Parsonstown ...	29.96	62	Z	0	C	29.99	-0.03	58	56	+7	3	0	C	*	63	50	—	
	Valencia ...	29.92	55	NW	2	C	29.95	-0.03	58	57	+3	W	1	0	1	61	53	0.04	
	Roche's Point ...	29.98	61	NW	3	6C	29.94	-0.01	59	56	+3	W	2	C	3	62	52	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.94	56	NNW	2	C	29.92	+0.02	55	56	+1	W	2	C	0	66	53	—	
	Scilly ...	29.97	58	NW	4	6C	29.97	+0.06	59	56	+1	WNW	1	C	2	61	54	—	
	Prawle Point ...	29.98	63	NNW	3	6C	29.91	+0.07	58	56	-1	NW	2	0	3	70	45	—	
	Jersey (St. Aubin's)	29.95	63	WNW	4	6	29.96	+0.16	60	56	+1	NW	3	6m	3	66	56	—	
	Hurst Castle ...	29.95	63	N	3	m	29.92	+0.16	60	58	+5	W	1	m	1	66	52	—	
	Dungeness ...	29.95	55	WNW	3	C	29.95	+0.23	55	53	+4	NNW	3	0	2	64	52	0.11	
	London ...	29.92	58	NNW	2	0	29.97	+0.17	55	53	-1	WNW	2	6C	*	64	53	0.02	
	Oxford ...	29.98	55	NW	1	6C	29.91	+0.14	54	51	+2	NW	1	0	*	60	51	0.05	
	Cambridge ...	29.94	57	N	1	0	29.97	+0.14	55	53	-1	NW	1	0	*	68	48	0.14	
	Yarmouth ...	29.94	60	NE	3	C	29.91	+0.15	53	54	-2	N	2	0	2	63	53	0.20	
GERMANY & HOLLAND.	Cuxhaven ...	29.84	55	2	0	6C	29.88	+0.12	55	56	+1	SW	1	m	*	63	56	0.12	
	Berlin ...	29.90	65	W	3	0	29.92	+0.09	62	58	-2	SW	1	C	*	75	59	0.35	
	Wiesbaden ...	29.95	53	*	*	*	29.95	+0.11	53	53	-3	NW	1	0	*	68	50	0.12	
	Munich ...	29.91	53	2	0	7	29.95	+0.12	52	52	-7	SW	1	7	*	68	52	0.71	
	The Helder ...	29.87	58	N	1	6C	29.90	+0.15	58	53	0	NNW	1	C	1	64	57	0.12	
	Brussels (9 a.m.)	29.94	*	*	*	*	29.94	+0.19	54	53	+1	SW	2	m	*	60	48	0.35	
	Cape Gris Nez	29.87	60	W	2	6	29.93	+0.17	53	53	+1	NNW	4	0	4	63	52	0.28	
	Paris ...	29.92	55	2	0	6C	29.92	+0.17	53	53	-1	SW	1	0	*	68	48	0.08	
	Brest ...	29.92	61	N	3	6	29.92	+0.17	53	56	-1	NW	2	0	2	66	55	—	
	Lorient ...	29.92	64	N	3	6	29.93	+0.18	57	54	+1	NW	2	0	2	70	54	—	
FRANCE AND BELGIUM.	Rochefort ...	29.95	68	NNW	4	6C	29.97	+0.18	60	57	+2	NNW	2	6	2	70	57	—	
	Belfort ...	29.95	57	W	3	C	29.95	+0.16	55	54	-2	W	3	0	*	66	48	—	
	Lyons ...	29.93	64	S	1	6C	29.98	+0.12	55	54	-2	NW	2	6	*	71	54	0.47	
	Nice ...	29.91	69	NW	4	C	29.95	+0.12	66	55	-7	2	0	0	0	77	60	—	
	Perpignan ...	29.95	63	W	1	0	29.95	+0.13	62	56	+2	NW	4	0	*	67	55	0.35	
	Biarritz ...	29.91	66	N	3	C	29.91	+0.20	63	58	+2	S	2	C	2	70	59	0.12	
	Corunna ...	29.97	64	NNW	6	6	29.97	+0.02	68	58	+6	NE	4	6	2	70	62	—	
PENINSULA.	Lisbon ...	29.97	64	NNW	6	6	29.97	+0.02	68	58	+6	NE	4	6	2	70	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 Saturday, 1<sup>st</sup> Aug: 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;  
— forces 5 to 7; — forces 1 to 4.

☉ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

— = Rough. — = High.

## MEAN HEIGHT OF THE BAROMETER

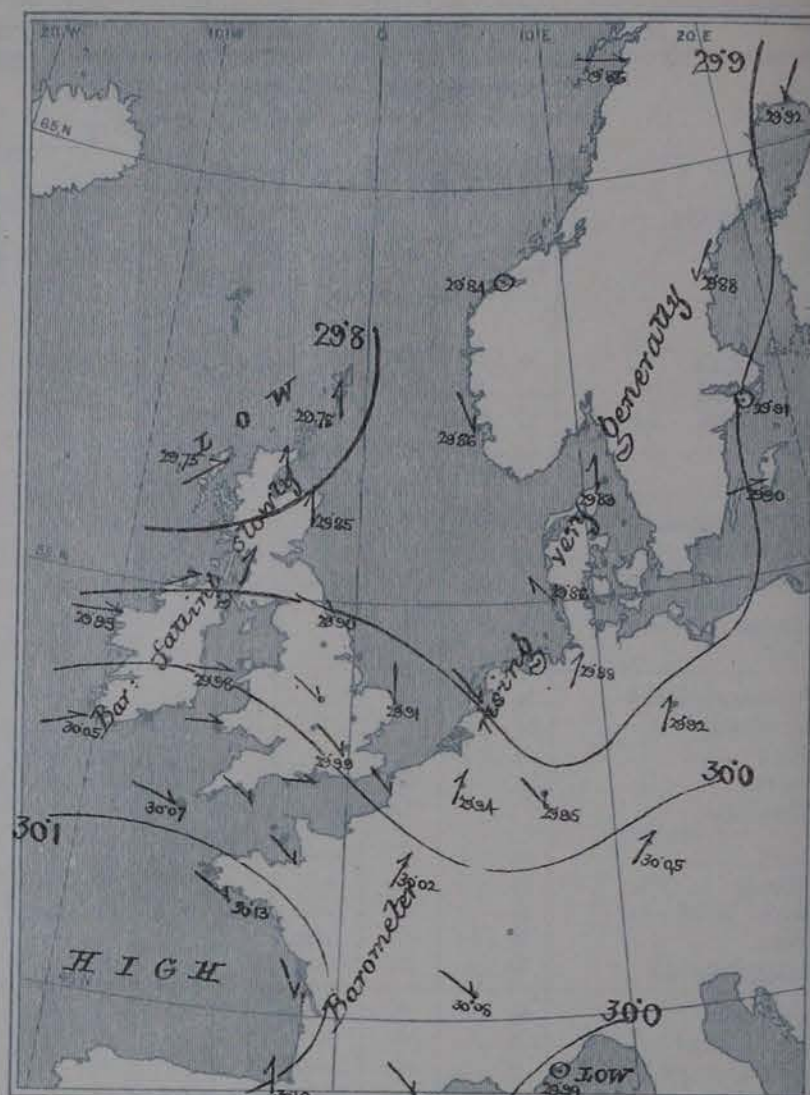
at 8.0 a.m. for the month of August

During the 20 Years: 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.819
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.928
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Seilly	29.902
Prawle Point	29.976
Jersey	29.981
Hurst Castle	29.985
Dover	29.949
LONDON	29.954
Oxford	29.948
Cambridge	29.957
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

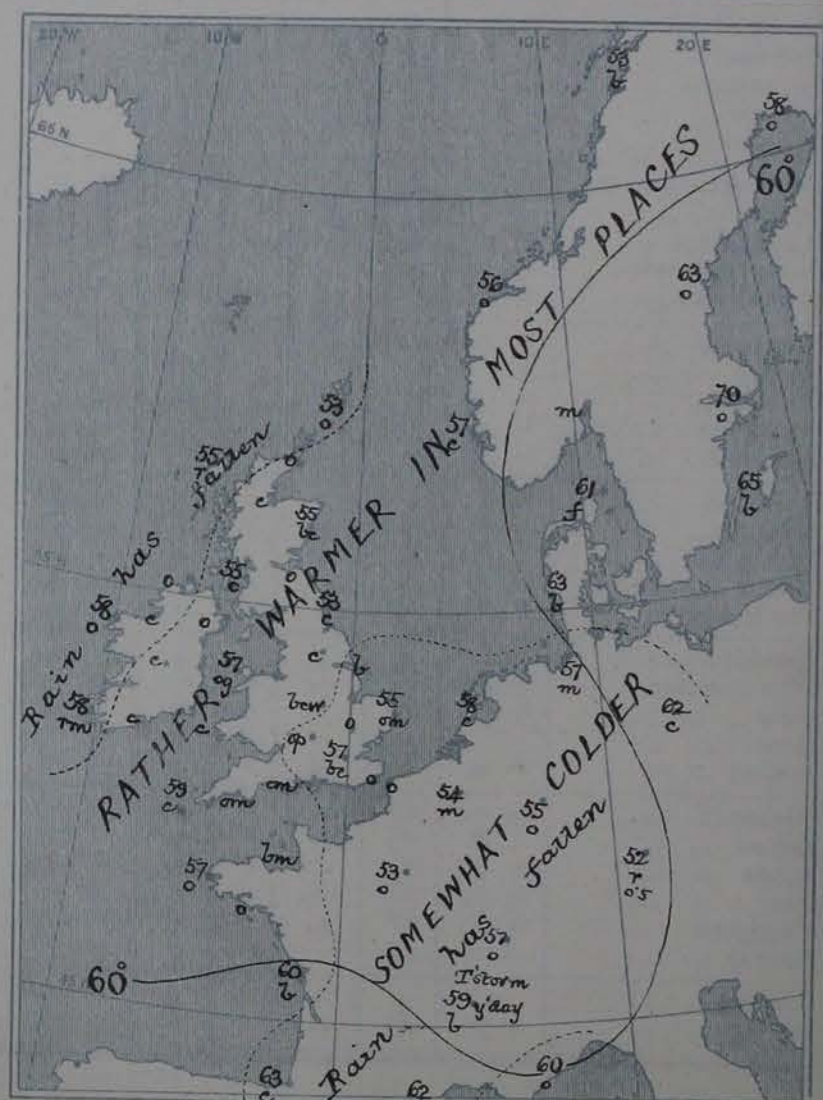
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.7	48.4	53.4	51.7	3.16
Stornoway .....	59.8	48.8	54.9	53.2	3.07
Wick.....	61.1	48.3	55.2	53.2	2.57
Nairn.....	63.4	50.3	55.5	52.7	2.75
Aberdeen.....	63.1	50.1	56.5	53.4	3.03
Leith.....	65.7	51.3	57.5	54.4	2.50
Shields.....	64.6	51.9	57.2	54.5	2.85
Spurn Head.....	61.3	55.0	58.8	56.6	1.86
York.....	67.9	51.3	57.7	55.0	2.54
Loughborough .....	70.4	51.8	59.3	56.9	2.53
Ardrossan.....	67.6	52.8	57.2	54.8	3.78
Mullaghmore .....	63.3	53.8	57.3	54.5	3.65
Donaghadee.....	62.2	52.2	56.9	55.3	3.04
Holyhead.....	64.1	54.8	58.4	56.2	2.77
Liverpool.....	65.8	54.1	58.5	55.2	2.53
Parsonstown.....	66.9	51.4	57.3	55.2	3.38
Valencia.....	64.7	54.1	59.3	56.9	1.70
Roche's Point.....	60.1	53.8	58.9	56.3	3.62
Pembroke.....	63.2	55.6	58.6	56.5	2.77
Seilly.....	64.9	57.0	60.9	58.8	2.39
Prawle Point.....	65.3	54.4	60.1	57.9	2.14
Jersey.....	68.6	57.1	62.8	59.6	2.24
Hurst Castle.....	68.1	55.9	61.0	59.0	2.28
Dover.....	67.2	56.7	62.0	58.0	2.04
LONDON.....	71.8	53.5	60.9	57.3	2.21
Oxford.....	69.3	53.0	58.8	56.0	2.24
Cambridge.....	71.3	51.8	60.0	57.1	2.19
Yarmouth.....	66.3	54.8	60.5	57.6	2.15

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.1 ins. and more to 30.0 ins. over the Bay of Biscay, France, and our southeastern districts; 29.9 ins. and more over Ireland.  
 Lowest, 29.8 ins. and less, over the Orkneys and north of Scotland, and below 29.9 ins. over the North Sea and Denmark.  
 Gradients slight and irregular.  
 Barometer still falling in the north and west, rising over France.

## TEMPERATURE

Highest, (1) 70° at Stockholm, 65° at Ulsby, 64° at Lunden; (2) 68° at Linstow, 63° at Bismitz, 62° at Berlin.  
 Lowest, 53° at Christiansund and Sumburgh Hd., 54° at Oxford, 57° at Malin Hd., Holyhead, Cambridge and London.  
 The daily maxima recorded since yesterday morning were very little above 60° except at the most southern stations. At most of the Scotch stations they were below 60°.

## WIND

Light to moderate from the S.W. at our northern and northwestern stations. Light N.W. over England and the Bay of Biscay and W. in the south of Ireland. In Denmark it is S.

## WEATHER

Fine on our northeast coasts, cloudy or overcast in most other places, with rain at Stromway and Valencia Island.  
 Showers fell yesterday over Germany, the North Sea, and the eastern parts of Great Britain and France.

## SEA

Very little disturbed on any part of our coasts.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fresh fall of the barometer which had just shown itself at Stromway yesterday morning has continued steadily, and spread to all but our southeastern coasts. Thus, while the weather has improved a little in some parts of England it has become cloudy and unsettled in Ireland and Scotland, with rain at a few stations. Temperature has risen a little in most places, but is still low for the time of year. An early renewal of showery weather is likely to take place over England.

## FORECASTS

For the 24 hours ending at NOON on 2<sup>nd</sup> AUGUST 1891.

### DISTRICTS.

### FORECASTS.

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

SW<sup>2</sup> and W<sup>2</sup> winds; showery, unsettled.  
 NW<sup>2</sup> to SW<sup>2</sup> winds, light, changeable, some rain, close.

### DISTRICTS.

### FORECASTS.

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

Same as No 0 to 2.  
 W<sup>2</sup> winds, 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:		WIND		WEA	SEA		BAR:	THER:		WIND		WEA	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.84	63	56	NW	4	6	2	Holyhead ...	30.02	56	53	N	4	C	4
Sumburgh Head ...	29.91	53	50	W	1	0	3	Valencia ...	30.14	59	54	NNW	3	0	3
Stornoway ...	29.92	57	56	SW	3	0	3	Scilly ...	30.05	60	56	NNW	4	6C	4
Aberdeen ...	29.97	56	51	N	2	6C	3	Jersey ...	29.97	64	57	NNW	4	6	3
Shields ...	29.95	57	53	NNW	3	0	3	Dungeness ...	29.84	60	55	NNW	4	6C	3
Ardrossan ...	29.76	63	58	W	3	6	2	London ...	29.86	62	56	NNW	4	9f	*
Mulin Head ...	30.03	59	54	W	3	0	2	Yarmouth ...	29.84	62	58	N	4	6C	4
Mullaghmore ...	30.08	58	53	NNW	4	0	2	Rochefort ...	29.74	68	60	NNW	4	6	?
Belmullet ...	30.07	61	57	W	2	0	*								

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

Weather fine in the extreme south of our Islands and also in Sweden, Denmark, Russia, Italy, and Algeria. Clouds or overcast elsewhere, with rain over the central parts of Ireland and England, as well as in the south of France and the northeast of Spain. Rain falling later over the Netherlands, Germany, the southeast of England, and the greater part of France, but sky clearing in the east and northeast of our Islands.

Temperatures highest 83° at Sfax, 81° at Brindisi, 80° at La Caille, and 79° at Palma and Algiers; above 70° at most of the Mediterranean and Adriatic stations, as well as in the south of Russia. Lowest, 43° at Sumburgh Hd and Wick, 50° at Nainan and Aberdeen, and 51° at Bodø, Archangel, Shields, and Caronskua; below 55° in many parts of the United Kingdom. Daily maxima below in the north of our Islands, and below 65° at all but the extreme southern stations, but thermometer exceeding 70° in some parts of France.

Winds moderate or fresh from the N<sup>or</sup> or NW<sup>or</sup> over the greater part of our Islands as well as over the Bay of Biscay and Spain, but light from the SW<sup>or</sup> in the Hebrides. Light from the SW<sup>or</sup> in the east of France, from S. or SE. over Denmark and Germany, and from the NE<sup>or</sup> over the greater part of Scandinavia. Very variable over Russia and Austria, but chiefly NW<sup>or</sup> in Italy, and SE<sup>or</sup> in Algeria. Subsequently backing to the W<sup>or</sup> over all the more northern parts of the United Kingdom.

Barometer highest, 30.1 in: and upwards, in an anticyclone extending from the Atlantic over the southwest of Ireland. Lowest 29.7 in: and less, in a small depression lying over Holland, and 29.8 in: and less in three other systems lying respectively over the Gulf of Bothnia, the Baltic Provinces and the north of Russia. Depression over Holland subsequently moving slowly eastwards, but new disturbance beginning to approach our extreme north and northwest coasts from the westward.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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„ Weekly „ „ „ £1 10 0 „



# DAILY WEATHER REPORT.

for Sunday 2<sup>nd</sup> August 1891.  
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.			BAROMETER.		SHADE TEMP.			WIND.					SHADE TEMP.		Amount of Rainfall.
	Reading at 32° F. and Sea Level.	Dry.	Dirce.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ...	29.94	58	Z	0	c	29.97	+ .05	62	60	+ 4	SE	2	bc	*	68	45	—
	Hernösand ...	29.96	60	NE	2	b	29.89	+ .01	63	60	— 0	NE	4	o	*	82	55	—
	Stockholm ...	29.88	63	Z	0	o	29.76	— .15	65	60	— 5	E	2	o	*	73	57	0.04
	Wisby ...	29.86	58	ESE	4	b	29.63	— .27	65	59	— 0	ESE	4	o	*	73	55	—
	Bodö ...	29.86	53	N	1	bc	29.83	— .02	55	?	+ 2	NNW	1	bc	1	59	48	—
	Christiansund	29.82	56	NW	1	bc	29.76	— .08	56	?	— 0	SW	1	bc	1	61	52	—
	Skudesnaes ...	29.83	57	NW	2	c	29.75	— .11	58	?	+ 1	SE	2	o	2	61	54	—
	Christiania Fjord (Færdor)	29.78	64	SSW	2	bc	29.73	— .12	62	60	— 2	ENE	3	r	2	68	61	—
	Skagen (The Seaw)	29.79	59	S	2	o	29.79	— .04	61	59	— 0	WSW	2	b	2	70	55	0.05
	Fanö ...	29.80	57	NW	2	b	29.78	— .08	61	57	— 2	NW	3	c	*	66	55	—
BRITISH ISLANDS.	Sumburgh Head	29.72	53	S	2	o	29.60	— .18	54	54	+ 1	Z	0	o	2	57	50	0.05
	Stornoway ...	29.67	58	SW	3	o	29.52	— .23	56	55	+ 1	W	3	o	3	60	49	0.02
	Wick ...	29.71	57	SW	1	bc	29.63	— .15	56	53	— 1	SW	3	b	0	64	48	—
	Nairn ...	29.69	63	W	1	bc	29.59	— .20	58	52	— 1	W	1	bc	1	66	47	—
	Aberdeen ...	29.73	62	NW	2	o	29.65	— .20	60	53	+ 5	SSW	3	bc	1	67	51	—
	Leith ...	29.79	60	SW	1	o	29.68	— .20	60	54	+ 3	W	3	c	*	66	53	—
	Shields ...	29.83	63	WSW	2	c	29.71	— .19	63	57	+ 10	SW	3	c	2	64	50	—
	Spurn Head ...	29.88	60	W	3	c	29.80	— .12	59	57	+ 4	WSW	4	c	2	61	54	—
	York ...	29.89	60	W	1	o	29.81	— .13	62	56	+ 5	WSW	3	bc	*	66	52	—
	Loughborough	29.94	61	W	2	o	29.87	— .11	60	57	+ 3	WSW	2	c	*	65	55	—
GERMANY & HOLLAND.	Arrossan ...	29.81	58	SSW	2	c	29.68	— .21	56	55	+ 1	SW	3	c	3	59	54	—
	Malin Head ...	29.80	58	WSW	2	o	29.66	— .22	55	52	— 2	WSW	4	cp	3	64	52	—
	Mullaghmore ...	29.86	60	WSW	4	c	29.73	— .21	55	53	— 3	SW	5	cp	3	63	54	0.03
	Belmullet ...	29.86	60	W	3	bc	29.75	— .18	57	56	— 1	W	3	c	*	62	53	0.08
	Donaghadee ...	29.84	64	W	3	c	29.73	— .21	59	55	— 1	W	3	c	1	67	55	—
	Liverpool (Bidston)	29.92	59	WSW	1	o	29.81	— .16	60	54	+ 5	SW	2	c	2	62	55	—
	Holyhead ...	29.91	58	SW	3	c	29.81	— .17	58	55	+ 1	SW	4	c	3	60	53	—
	Parsonstown ...	29.93	62	Z	0	c	29.83	— .16	58	54	— 0	SW	1	c	*	66	53	0.01
	Valencia ...	30.00	59	W	3	om	29.90	— .15	55	53	— 3	WNW	2	op	3	65	53	0.07
	Roche's Point...	29.94	62	WNW	2	cp	29.89	— .15	60	55	+ 1	WNW	3	b	3	64	55	—
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.99	57	SW	3	c	29.88	— .14	58	57	+ 1	SW	4	pq	3	59	50	—
	Scilly ...	30.06	62	W	3	bc	29.98	— .09	62	60	+ 3	WSW	4	c	2	63	56	0.10
	Prawle Point ...	30.04	57	W	3	o	29.97	— .04	57	56	— 1	W	4	b	3	62	55	0.03
	Jersey (St. Aubin's)	30.09	62	W	3	bc	30.05	— .01	60	57	— 0	SW	4	opgm	3	63	57	0.01
	Hurst Castle ...	30.01	61	W	4	c	29.95	— .07	60	60	— 0	WSW	3	c	3	66	58	—
	Dungeness ...	29.96	61	W	4	c	29.94	— .05	60	59	+ 3	W	5	c	3	66	55	0.10
	London ...	29.96	63	W	2	o	29.95	— .04	59	57	+ 2	SW	1	omap	*	67	55	—
	Oxford ...	29.98	58	W	1	o	29.90	— .11	60	57	+ 6	SW	1	b	*	64	54	—
	Cambridge ...	29.96	62	NW	1	o	29.88	— .09	59	58	+ 2	SW	1	o	*	66	51	—
	Yarmouth ...	29.92	60	S	2	c	29.86	— .05	60	57	+ 5	SW	2	c	2	62	54	—
GERMANY & HOLLAND.	Cuxhaven ...	29.87	59	SSW	1	r	29.87	— .01	59	59	+ 2	WSW	4	bc	*	64	57	0.08
	Berlin ...	29.89	61	W	1	b	29.88	— .04	57	56	— 5	W	3	o	*	68	54	0.24
	Wiesbaden ...	*	*	*	*	*	30.08	+ .10	58	55	+ 3	W	4	bc	*	66	52	0.12
	Munich ...	30.12	53	NW	4	r	30.19	+ .14	57	52	+ 5	SW	5	b	*	57	48	0.12
	The Helder ...	29.94	60	WNW	2	c	29.91	+ .01	60	57	+ 2	WSW	1	f	1	63	59	0.32
	Brussels (8 a.m.)	*	*	*	*	*	30.00	+ .06	59	58	+ 5	SW	3	bc	*	64	52	0.12
	Cape Gris Nez	29.95	60	WSW	5	m	29.95	+ .02	59	57	+ 4	SW	4	o	5	61	54	—
	Paris ...	30.06	64	SW	2	bc	30.10	+ .08	59	55	+ 6	WSW	1	c	*	68	53	—
	Brest ...	30.14	61	NW	2	o	30.10	?	59	57	+ 2	W	2	c	4	70	55	—
	Lorient ...	30.13	62	W	3	bc	30.12	— .01	60	57	+ 3	W	3	o	2	64	55	—
FRANCE AND BELGIUM.	Rochefort ...	30.12	66	WNW	3	c	30.18	+ .11	62	59	+ 2	WNW	3	o	2	73	59	—
	Belfort ...	?	61	W	2	o	?	?	59	55	+ 2	W	2	bc	*	68	45	—
	Lyons ...	30.11	64	N	1	bc	30.15	+ .07	58	53	— 1	NW	1	b	*	73	50	—
	Nice ...	29.96	68	SE	2	c	30.07	+ .08	62	57	+ 2	ENE	2	o	3	77	59	—
	Perpignan ...	30.10	72	NW	2	b	30.15	+ .06	66	60	+ 4	W	1	b	*	75	54	—
	Biarritz ...	30.14	69	N	2	b	30.19	+ .09	65	63	+ 2	SE	2	b	1	73	59	—
	Corunna ...	*	*	*	*	*	30.15	?	63	63	?	N	3	bc	2	66	54	—
	Lisbon ...	30.04	70	NNW	5	b	30.09	+ .06	69	60	+ 1	NE	3	b	2	84	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 Sunday, 2<sup>nd</sup> August, 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

≡ = Rough. ≡ = High.

### MEAN HEIGHT OF THE BAROMETER

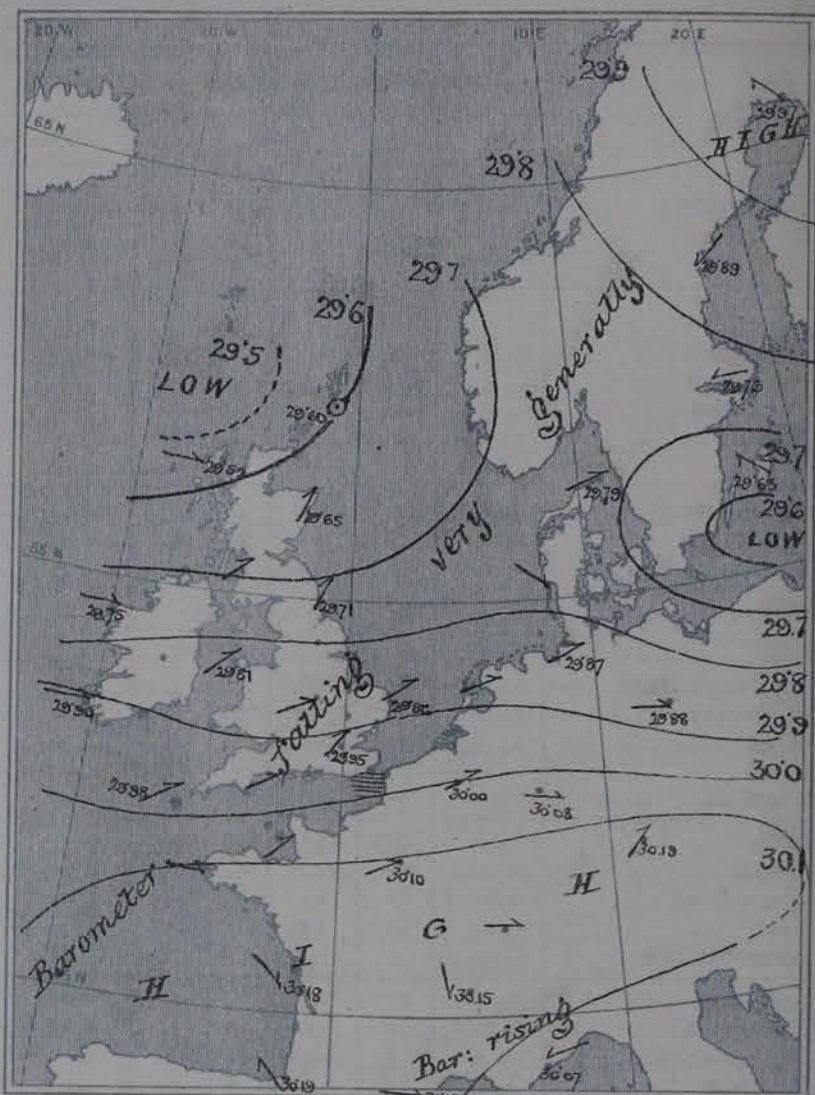
at 8.0 a.m. for the month of August

During the 20 Years: 1871—1890.

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.928
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roches Point	29.927
Pembroke	29.928
Seilly	29.962
Prawle Point	29.975
Jersey	29.981
Hurst Castle	29.965
Dover	29.949
LONDON	29.954
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

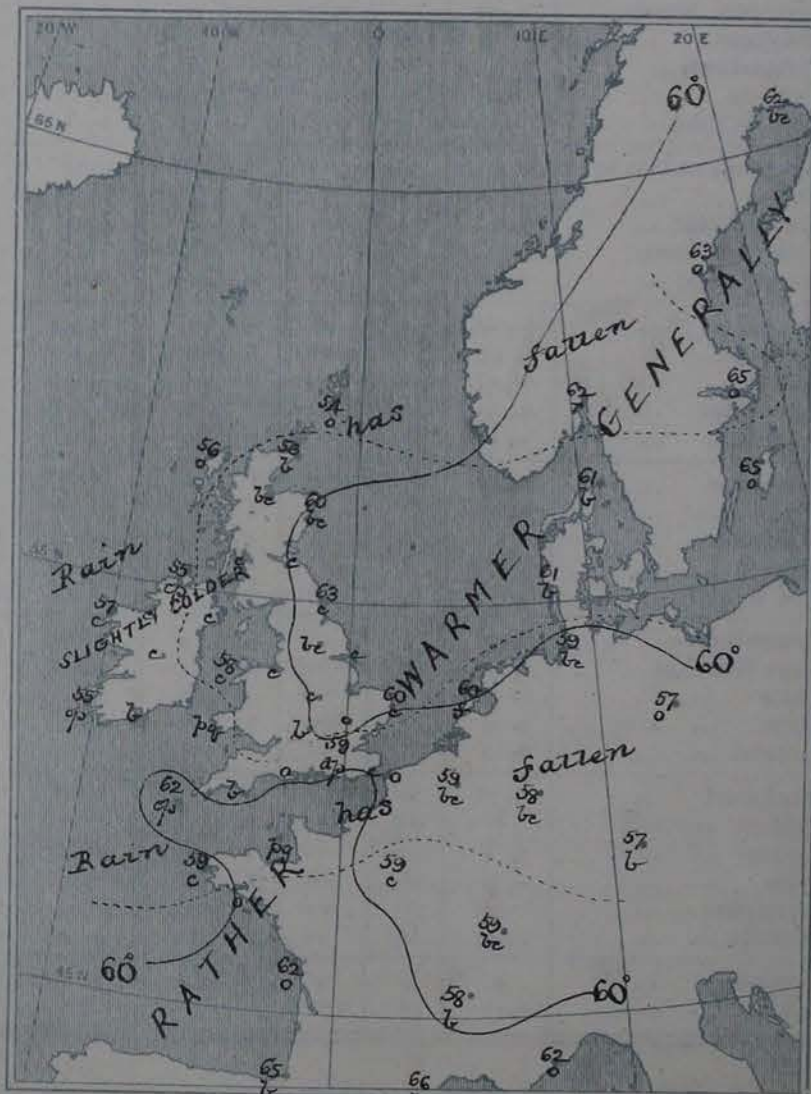
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	at 8 a.m. Wet.	
Sumburgh Head	57.7	48.4	53.4	51.7	3.16
Stornoway	59.8	48.8	54.9	53.2	3.67
Wick	61.1	48.3	55.2	53.2	2.57
Nairn	63.4	50.3	55.5	52.7	2.75
Aberdeen	63.1	50.1	56.5	53.4	3.08
Leith	65.7	51.3	57.5	54.4	2.56
Shields	64.0	51.9	57.2	54.5	2.85
Spurn Head	61.3	55.0	58.8	56.6	1.86
York	67.9	51.3	57.7	55.0	2.54
Loughborough	70.4	51.8	59.3	56.9	2.53
Ardrossan	63.6	52.8	57.2	54.8	3.78
Mullaghmore	63.3	53.8	57.3	54.5	3.65
Donaghadee	62.2	52.2	56.9	55.3	3.01
Holyhead	64.1	54.8	58.4	56.2	2.77
Liverpool	65.8	54.1	58.5	55.2	2.83
Parsonstown	66.0	54.4	57.3	55.2	3.38
Valencia	64.7	54.1	59.3	56.9	4.70
Roches Point	66.1	53.8	58.9	56.3	3.62
Pembroke	63.2	55.6	58.6	56.5	2.77
Seilly	64.9	57.0	60.0	58.8	2.39
Prawle Point	65.3	54.4	60.1	57.9	2.14
Jersey	68.8	57.1	62.8	59.6	2.24
Hurst Castle	68.1	55.9	61.0	58.9	2.28
Dover	67.1	56.7	62.0	58.6	2.04
LONDON	71.8	53.5	60.9	57.3	2.21
Oxford	69.3	53.0	58.8	56.0	2.24
Cambridge	71.3	51.8	60.0	57.1	2.19
Yarmouth	66.3	54.8	60.5	57.6	2.15

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.1 ins: and more, over South Germany, France, Spain and the Bay of Biscay.  
 Lowest, about 29.5 ins: in a depression off the northwest of Scotland; 29.6 ins: in another over the Baltic.  
 Gradients are moderate and mainly favourable for W<sup>1</sup> winds over our Islands.  
 Barometer falling irregularly, but not rapidly.

## TEMPERATURE

Highest (1) 69° at Leobov, 66° at Perpignan, 62° at Nice and Rochefort; (2) 65° at Misk and Stockholm, 63° at Helsingfors, 62° at Haparanda.  
 Lowest, 54° at Simsbury H<sup>d</sup>, 55° at Malin H<sup>d</sup>, 56° at Stromsø, Thib. and Androssan, 57° at Berlin, 59° in London and at Brussels.  
 It failed to reach 70° in our Islands, Germany, and the north of France throughout the preceding 24 hours. In London the maximum was 66°.

## WIND

E<sup>1</sup> over the greater part of Scandinavia, but W<sup>1</sup> to SW<sup>1</sup> over the United Kingdom; in force it is light or moderate generally.  
 Over France and the Bay of Biscay variable airs prevail, while in Spain the wind is NE<sup>3</sup>.

## WEATHER

Becoming very unsettled. In most places the sky is cloudy, in some overcast, and at several western stations showers are falling.

## SEA

Very little disturbed

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

# FORECASTS

For the 24 hours ending at NOON on 3<sup>rd</sup> August 1891.

## DISTRICTS.

## FORECASTS.

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

none issued

## DISTRICTS.



## FORECASTS.

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

## WARNINGS

none issued

none issued

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.84	61	54	WNW	2	6	2	Holyhead ...	29.95	61	57	SW	3	6	2
Sumburgh Head ...	29.74	56	55	S	2	0	3	Valencia ...	30.03	64	60	W	4	0	4
Stornoway ...	29.71	59	57	SW	3	0	3	Scilly ...	30.07	59	58	W	3	0	2
Aberdeen ...	29.77	63	57	SSE	3	0	2	Jersey ...	?	63	57	W	4	6c	3
Shields ...	29.86	61	57	W	2	0	2	Dungeness ...	29.98	62	58	W	4	0	3
Ardrossan ...	29.84	59	58	SSW	2	0	2	London ...	29.97	66	57	W	1	0	8
Malin Head ...	29.84	62	59	W	3	0	2	Yarmouth ...	29.92	62	53	NE	2	0	3
Mullaghmore ...	29.89	60	58	SW	4	0	2	Rocheport ...	30.12	68	61	WNW	4	0	2
Belmullet ...	29.89	61	59	WSW	2	0	*								

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

Weather fine on our northeast coasts, as well as over the greater part of southern and eastern Europe. Cloudy or overcast elsewhere, with rain in many parts of Germany and Austria, as well as at St Petersburg, Stornoway and Valencia Islands and a thunderstorm at Leghorn. Showers falling later in the southwest, west, and extreme north of our Islands, and thunderstorms occurring over Western Germany.

Temperature highest 80° at Constantinople, 79° at Naples and Malta, and 78° at La Caille, above 70° over the greater part of southern Europe and the Mediterranean and just reaching that point at Stockholm. Lowest 52° at Munich, 53° at Bodo, Sumburgh Hd, Shields, and Paris, and 54° at Oxford and Brussels; below 60° in nearly all parts of the United Kingdom, as well as over France, Central Spain and the greater part of Germany. Daily maxima below 70° over nearly the whole of our Islands, but thermometer exceeding that point in France, and rising to between 80° and 90° in many parts of southern Europe. Highest readings of all 95° at Previdis, and 93° at Cagliari.

Wind light from the S or SW over the northern parts of our Islands, but W or NW over England, Ireland, and France, and NE in Spain. Light from SW in Germany, from SE in Denmark, and from NE in Finland and the north of Sweden. Chiefly N over Italy and the south of Russia, but variable in Austria; S or SW in Algeria. Subsequently backing to the SW in many parts of England.

Barometer highest 30.1 ins: and upwards, in an anticyclone lying over the Bay of Biscay, the west and south-west of France and the north of Spain; 30.0 ins: and upwards over the south of Russia. Lowest 29.8 ins: and less, in a depression lying over the north of Scotland, and also in another system lying between St Petersburg and Moscow. Former disturbance subsequently spreading southward over all the more northern parts of the United Kingdom; latter disturbance partially filling up.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
\* AN ASTERISK is inserted in all places for which information is not usually received.  
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.

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„ Weekly „ „ „ £1 10 0 „



# DAILY WEATHER REPORT.

for *Monday 30<sup>th</sup> August.* 1891.  
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 6.)	SHADE TEMP.				
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Max.	Min.	Amount of Rainfall.		
SCANDINAVIA.																		
Haparanda ...	29.86	57	2	0	6	29.81	-16	60	58	-2	2	0	6	*	70	52	—	
Hernösand ...	29.78	62	NE	2	6	29.82	-07	63	59	0	2	0	6	*	71	50	—	
Stockholm ...	29.69	63	2	0	6	29.71	-05	67	59	+2	NE	4	6	*	72	58	—	
Wisby ...	29.79	62	N	4	6	29.69	+06	64	57	-1	ESE	4	6	*	61	53	0.32	
Bodö ...	29.80	61	2	0	6	29.80		61	55		2	0	6	*	63	50	—	
Christiansund	29.72	59	NW	1	6	29.75		60	57		SW	1	6	0	63	53	—	
Skudesnaes ...	29.71	58	SE	2	7	29.64		59	57		E	2	7	2	63	57	1.78	
Christiania Fjord (Fierder)	29.71	62	NW	2	0	29.71	-02	63	59	+1	E	4	0	2	63	61	0.12	
Skagen (The Scaw)	29.68	59	NW	1	7	29.67	-12	59	57	-2	SE	2	7	1	64	53	0.55	
Fanö ...	29.73	66	WNW	4	6	29.66	-12	62	57	+1	S	3	6	*	64	57	—	
Sumburgh Head	29.55	56	S	1	6	29.63	+08	53	53	+1	NE	4	6	3	60	48	—	
Stornoway ...	29.53	60	W	3	6	29.57	+06	53	54	-1	NE	2	0	3	61	45	0.05	
Wick ...	29.57	59	NE	1	6	29.59	-04	56	55	0	NE	1	0	1	66	52	—	
Nairn ...	29.54	60	2	0	6	29.56	-02	54	52	-4	2	0	6	1	65	46	—	
Aberdeen ...	29.58	58	S	2	6	29.54	-11	56	53	-4	NNE	1	6	1	65	47	0.14	
Leith ...	29.67	61	W	1	6	29.57	-17	58	54	-2	NW	1	0	*	68	49	0.25	
Shields ...	29.63	59	SW	3	6	29.50	-21	54	52	-3	NNE	1	0	2	65	51	0.12	
Spurn Head ...	29.67	59	W	4	6	29.53	-27	56	54	-3	SW	3	0	2	69	53	0.04	
York ...	29.67	63	W	1	6	29.52	-25	52	51	-10	SW	1	0	*	68	49	0.14	
Loughborough	29.72	67	W	2	6	29.56	-31	56	54	-4	SW	2	6	*	71	53	0.09	
Arrossan ...	29.61	59	SW	3	6	29.51	-17	53	54	-1	2	0	0	0	61	51	0.22	
Main Head ...	29.63	58	WNW	2	0	29.53	-13	53	52	0	NNW	2	6	2	62	50	0.03	
Mullaghmore ...	29.64	56	W	5	6	29.56	-17	53	52	0	NW	5	6	3	61	51	0.09	
Belmullet ...	29.65	57	W	3	6	29.60	-15	54	53	-3	WNW	2	6	*	60	51	0.08	
Donaghadee ...	29.63	55	W	2	0	29.54	-19	54	52	-5	NE	2	6	0	65	53	0.57	
Liverpool (Bidston)	29.70	57	WNW	3	6	29.53	-28	51	50	-9	WNW	1	7	2	65	50	0.20	
Holyhead ...	29.72	59	SW	3	6	29.54	-27	54	53	-4	WNW	4	6	4	65	51	0.17	
Parsonstown ...	29.71	59	2	0	6	29.63	-20	53	51	-3	2	0	6	*	63	45	0.04	
Valencia ...	29.79	58	W	3	6	29.71	-19	56	53	+1	WNW	3	6	3	63	50	0.09	
Roche's Point...	29.78	60	W	3	6	29.68	-21	54	50	-6	WNW	4	6	3	63	50	0.03	
Pembroke (St. Ann's Hd.)	29.77	59	SW	5	6	29.67	-25	54	52	-4	W	4	6	4	61	53	0.05	
Scilly ...	29.72	61	WNW	5	6	29.73	-25	56	52	-6	WNW	5	6	4	65	52	0.06	
Prawle Point ...	29.86	59	W	4	6	29.68	-25	55	54	-1	WNW	4	6	3	63	53	0.01	
Jersey (St. Aubin's)	29.94	63	W	4	6	29.75	-30	58	55	-2	WNW	5	6	4	86	51	0.19	
Hurst Castle ...	29.82	61	W	7	6	29.65	-30	58	57	-2	W	7	6	4	65	53	0.07	
Dungeness ...	29.83	62	W	6	6	29.63	-31	60	57	0	WNW	7	6	5	65	56	0.05	
London ...	29.78	61	SW	2	6	29.60	-35	58	54	-1	SW	3	6	*	66	53	0.07	
Oxford ...	29.77	59	SW	3	6	29.59	-31	53	52	-3	WNW	2	6	*	67	51	0.14	
Cambridge ...	29.76	65	W	1	6	29.57	-31	56	54	-3	SW	1	6	*	70	51	0.04	
Yarmouth ...	29.76	64	SW	2	6	29.58	-32	56	53	-4	SW	3	6	4	66	52	0.26	
Cuxhaven ...	29.85	59	W	2	0	29.74	-13	59	58	0	SW	3	6	*	65	57	0.04	
Berlin ...	29.86	63	W	3	6	29.85	-03	63	58	+6	WNW	5	6	*	70	54	—	
Wiesbaden ...	*	*	*	*	*	29.87	-19	59	56	+1	SW	2	0	*	70	52	—	
Munich ...	30.05	59	SE	2	6	30.02	-17	61	56	+4	SW	1	6	*	66	52	—	
The Helder ...	29.81	60	SW	2	6	29.65	-26	60	56	0	SW	3	7	3	63	59	0.04	
Brussels (9 a.m.)	*	*	*	*	*	29.83	-17	55	54	-4	SW	2	7	*	68	55	0.35	
Cape Gris Nez	29.84	60	SW	5	6	29.66	-25	58	55	-1	SW	5	0	5	61	58	0.12	
Paris ...	29.95	64	SW	2	0	29.85	-25	58	56	-1	SW	3	0	*	68	58	0.16	
Brest ...	30.03	61	W	4	0	29.85	-25	58	56	-1	W	4	6	4	68	56	0.20	
Lorient ...	30.04	62	W	3	0	29.84	-28	58	55	-2	W	4	0	4	66	57	0.16	
Rocheport ...	30.06	63	WNW	4	0	29.88	-30	61	60	-1	WNW	4	0	2	75	57	0.04	
Belfort ...	30.00	61	W	2	6	29.94	-06	59	57	0	W	2	6	*	71	49	—	
Lyons ...	30.06	67	N	1	6	30.01	-14	60	54	+2	SE	1	6	*	76	53	—	
Nice ...	30.02	64	S	2	6	30.00	-07	62	58	0	2	0	6	1	73	57	—	
Perpignan ...	30.08	73	W	1	6	30.02	-33	66	62	0	2	0	6	*	80	55	—	
Biarritz ...	30.13	70	NE	3	6	30.02	-37	63	58	-2	SW	3	6	0	75	59	—	
Corunna ...	*	*	*	*	*	30.03	-06	67	58	-2	NNE	3	6	2	86	63	—	
Lisbon ...	30.04	75	NNW	5	6	30.03	-06	67	58	-2	NNE	3	6	2	86	63	—	
PENINSULA.																		



# WEATHER CHARTS

for 8 a.m. on Monday, 3<sup>rd</sup> Aug. 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 show the prevalent winds. They fly with the wind and

their bars and feathers refer to force thus—

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

→ = forces 5 to 7; → = forces 1 to 4.

☉ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

☼ = Rough. ☼ = High.

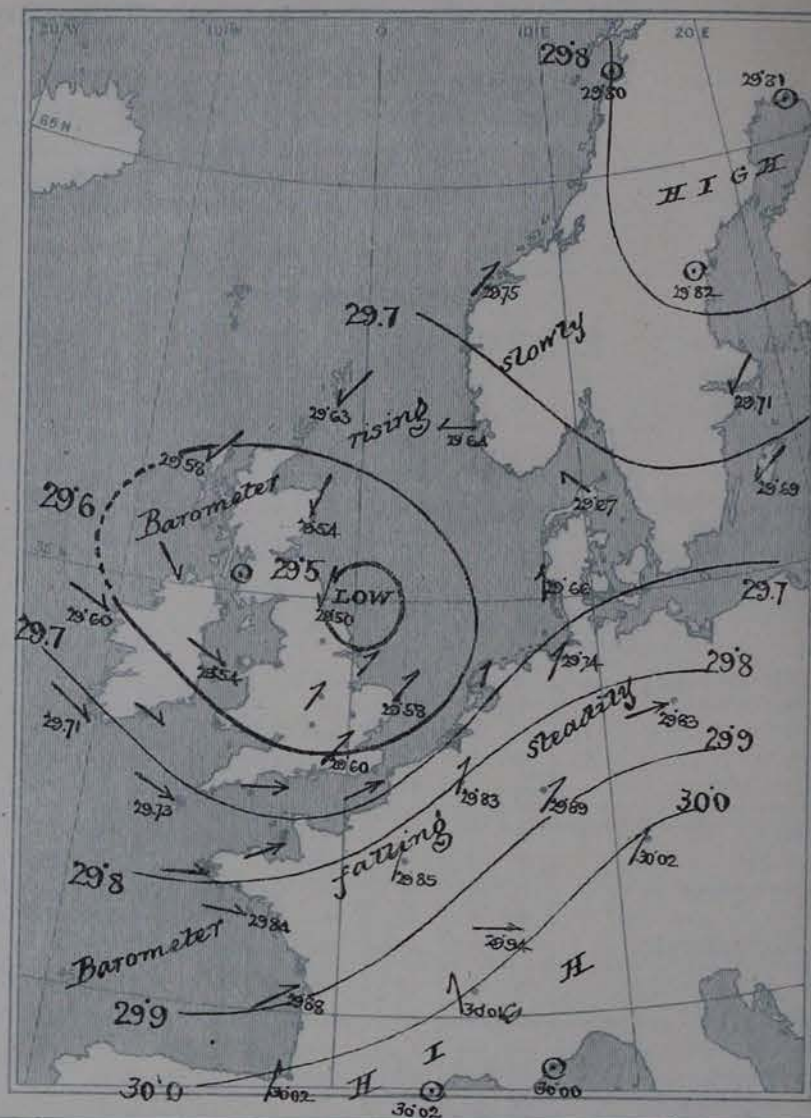
### MEAN HEIGHT OF THE BAROMETER

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

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.904
York	29.906
Loughborough	29.928
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.870
Holyhead	29.907
Liverpool	29.908
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Sally	29.962
Prawle Point	29.975
Jersey	29.981
Hurst Castle	29.965
Dover	29.949
LONDON	29.931
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

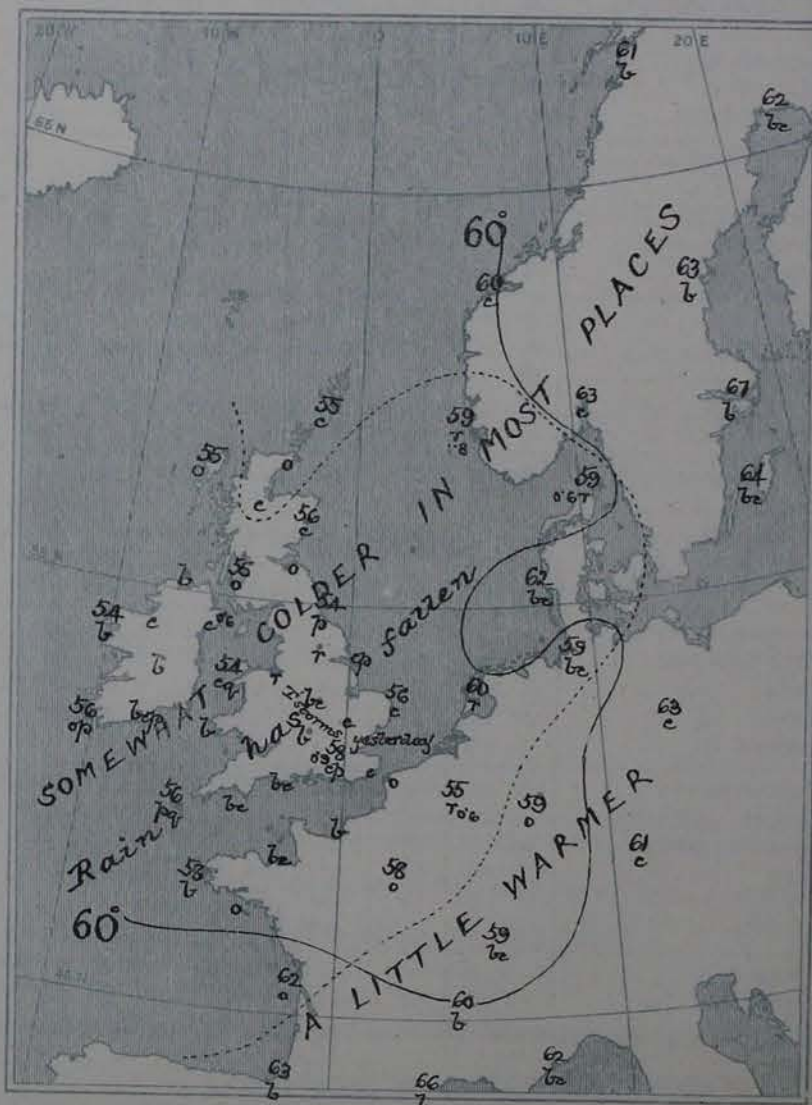
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily	Daily	at 8 a.m.		
	Max.	Min.	Dry.	Wet.	
Sumburgh Head.....	57.7	48.4	53.4	51.7	3.16
Stornoway .....	59.8	48.8	54.9	53.2	3.67
Wick.....	61.1	48.3	55.2	53.2	2.57
Nairn.....	62.4	50.3	55.5	52.7	2.75
Aberdeen.....	63.1	50.1	56.5	53.4	3.03
Leith.....	63.7	51.3	57.5	54.4	2.56
Shields.....	63.6	51.9	57.2	54.5	2.85
Spurn Head.....	64.3	55.0	58.8	56.6	1.86
York.....	67.9	51.3	57.7	55.0	2.51
Loughborough .....	70.4	51.8	59.3	56.9	2.53
Ardrossan .....	67.6	52.8	57.2	54.8	3.78
Mullaghmore .....	63.3	53.8	57.3	54.5	3.65
Donaghadee.....	62.2	52.2	56.9	55.3	3.04
Holyhead.....	64.1	54.8	58.4	56.2	2.77
Liverpool.....	65.8	54.1	58.5	55.2	2.83
Parsonstown.....	66.9	54.4	57.3	55.2	3.38
Valencia.....	64.7	54.1	59.3	55.9	1.70
Roche's Point.....	66.1	53.8	58.8	56.3	3.62
Pembroke.....	63.2	55.6	58.6	56.5	2.77
Sally.....	64.9	57.0	60.9	58.8	2.39
Prawle Point .....	65.3	54.4	60.1	57.9	2.14
Jersey.....	68.8	57.1	62.8	59.6	2.24
Hurst Castle.....	68.1	55.9	61.0	58.9	2.28
Dover.....	67.2	56.7	62.0	58.6	2.04
LONDON.....	71.8	53.5	60.9	57.3	2.21
Oxford.....	69.3	53.0	58.8	56.0	2.24
Cambridge.....	71.3	51.8	60.0	57.1	2.19
Yarmouth.....	68.2	54.8	60.5	57.6	2.15

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.0 in. and upwards, over Spain and the southern parts of France and Germany.

Lowest, 29.5 in. and less, in a small depression lying off the northeast of England.

Gradients slight generally. Barometer rising in the north of Scotland and also at some of the Scandinavian stations, but falling elsewhere.

## TEMPERATURE

Highest, 67° at Stockholm and Lisbon, 66° at Perpignan, 64° at Miele, and 63° at Remond, Berlin, and Riga.

Lowest, 51° at Liverpool, 52° at York, and 54° at Nain, Shields, Bilmullet, Donaghadee, Holyhead and Pembroke.

The highest maxima registered over our Islands yesterday were 71° at Foughborough, 70° at Cambridge, and 69° at Spinn 11<sup>th</sup>.

## WIND

Light or moderate from the NE<sup>wd</sup> in Scotland and the south of Scandinavia.

Moderate to fresh from the NW<sup>wd</sup> on the west coasts of our Islands.

SW<sup>1</sup> on our eastern coasts, and also over France, Germany, and the Netherlands.

## WEATHER

Changeable and showery over the greater part of the United Kingdom, as well as on the eastern shores of the North Sea.

Fine at most of the Scandinavian stations, and also in the south of France.

Thunderstorms were experienced yesterday in several parts of England, with heavy rain (0.9 in.) in London.

## SEA

Moderate to smooth generally, but rather rough in the Straits of Dover.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off our northeast coasts will probably travel southwards over the southern parts of the North Sea. Shallow secondary disturbances are still moving eastwards across Ireland and England, and showery thunder weather is likely to continue in many districts.

## FORECASTS

For the 24 hours ending at NOON on 4<sup>th</sup> August 1891.

### DISTRICTS.

### FORECASTS.

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

NE<sup>2</sup> winds, light, cloudy, showery.

SW<sup>2</sup> to NW<sup>2</sup> winds, light, unsettled, showery, thunder locally.

SW<sup>2</sup> and W<sup>2</sup> winds, moderate or fresh, changeable, showery, thunder locally.

### DISTRICTS.



### FORECASTS.

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

NW<sup>2</sup> winds, moderate or fresh; changeable, some showers.

### WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	27.77	63	55	SE	2	c	2		Holyhead ...	27.76	64	57	SW	4	3
Sumburgh Head									Valencia ...						
Stornoway ...	27.53	59	56	W	3	c	3		Scilly ...						
Aberdeen ...									Jersey ...	29.77	63	60	W	3	3
Shields ...									Dungeness ...	27.85	64	60	W	6	4
Ardrossan ...									London ...						*
Malin Head ...	27.65	60	53	W	3	bc	3		Yarmouth ...						
Mullaghmore ...									Rochefort ...	30.07	63	62	WNW	4	2
Belmullet ...	27.70	59	57	W	3	o	*								

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

*Weather* fine in the north and east of our Islands as well as over Denmark and the greater part of southern Europe. Cloudy elsewhere with showers over the southern parts of the United Kingdom and steady rain at some of the German stations. Showers falling during day over nearly the whole of western Europe, and thunderstorm with heavy rain occurring over England.

*Temperature* highest 80° at Naples, Brindisi and Constantinople, 79° at Lissa, and 78° at Odessa; above 70° in most parts of southern and eastern Europe. Lowest 46° at Archangel, 54° at Sumburgh Head and Munster, and 55° at Dodi, Malin Head and Mullaghmore; below 60° in nearly all parts of the United Kingdom, as well as over Germany, Austria and central France. Daily maxima below 70° in most parts of our Islands but thermometer exceeding that point over France and reaching 86° at Lisbon.

*Wind* light or moderate from the SW or W over our Islands, the Netherlands, Germany, Austria and the north of France; light from the E or NE over Sweden and northern Russia, as well as over the Spanish Peninsula. Light from the N in Italy; variable in Algeria. Very little change occurring over western Europe during day.

*Barometer* highest 30.1 ins. and upwards in an anticyclone lying over the Bay of Biscay, France, south Germany and the greater part of Spain, as well as in a smaller system lying over the south of Russia. Lowest 29.5 ins. and less in a depression lying off the northwest of Scotland; 29.6 ins. and less in another disturbance lying over the Baltic. Former depression spreading southwards later; shallow secondary systems passing eastward across Ireland and England.

### SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 26<sup>TH</sup> JULY TO 1<sup>ST</sup> AUGUST 1891.

During this week there has been a continuation of cold wet unsettled weather in all parts of Great Britain. The rainfall, which was at first heaviest in Scotland, and afterwards over England, was accompanied in many cases by severe storms of thunder and lightning, and in some instances was exceptionally heavy (from 1 to 2 inches in a few hours). These conditions were mainly due to depressions which passed in a southeasterly to southwesterly direction across Scotland and the North Sea, and which were only just disappearing at the close of the week. The heavy downpour which fell over our southeastern counties and the Channel on Monday, however, was due to a very shallow local system the central part of which lay at 8 a.m. between the Sussex coast and Boulogne.

#### 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 4<sup>th</sup> August. 1891.  
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										FAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.74	60	N	2	C	29.73	-0.01	58	56	-2	E	2	C	*	70	58	—
	Hernösand ...	29.78	?	S	2	G	29.78	-0.04	66	59	+7	SEW	2	G	*	81	58	—
	Stockholm ...	29.78	59	2	0	G	29.80	+0.02	64	59	-5	NNE	2	C	*	72	58	—
	Wisby ...	29.76	57	ENE	4	G	29.75	+0.01	64	59	0	E	4	bc	*	70	55	—
	Bodö ...	29.81	56	N	1	G	29.77	-0.04	54	57	-7	N	2	0	1	63	50	—
	Christiansund	29.73	61	WNW	1	G	29.75	0.0	62	57	+2	W	1	G	1	66	57	—
	Skudesnaes ...	29.64	60	E	2	0	29.68	+0.04	65	58	+6	E	2	C	2	?	57	0.24
	Christiania Fjord (Fierder)	29.72	62	E	3	0	29.73	+0.02	61	57	-2	NNE	4	bc	2	64	57	1.20
	Skagen (The Seaw)	29.66	59	SE	1	G	29.64	-0.02	61	57	+2	ENE	3	C	1	68	57	0.04
	Fanö ...	29.58	59	E	5	C	29.57	-0.01	57	55	-5	SW	2	C	*	66	55	0.32
BRITISH ISLANDS.	Sumburgh Head	29.68	58	NE	2	T	29.71	+0.03	53	53	-2	NE	3	1	4	58	51	0.13
	Stornoway ...	29.66	56	NE	4	C	29.74	+0.08	55	54	0	E	4	0	4	55	52	—
	Wick ...	29.65	57	NE	3	0	29.70	+0.05	54	54	-2	E	2	1	1	62	53	0.05
	Nairn ...	29.57	56	E	2	bc	29.65	+0.08	55	54	+1	ENE	3	1	3	60	52	0.17
	Aberdeen ...	29.57	54	NE	4	0.9T	29.64	+0.07	58	56	+2	NE	3	bc	4	60	52	0.28
	Leith ...	29.51	57	NE	2	bc	29.58	+0.07	56	54	-2	NE	1	0	*	62	52	0.61
	Shields ...	29.48	60	ENE	2	C	29.53	+0.05	52	50	-2	NNE	2	bc	2	62	50	0.32
	Spurn Head ...	29.47	57	S	3	C	29.57	-0.02	53	52	-1	W	2	bc	1	60	51	0.17
	York ...	29.47	57	W	1	C	29.54	+0.02	53	51	+1	W	1	0	*	60	47	0.23
	Loughborough	29.53	58	W	3	C	29.56	0.0	54	51	-2	SE	1	C	*	65	45	0.05
GERMANY & HOLLAND.	Ardrossan ...	29.51	58	WNW	2	C	29.58	+0.07	55	56	+4	N	3	C	2	61	51	0.45
	Malin Head ...	29.53	57	N	4	0	29.62	+0.09	54	53	-1	N	5	0T	4	58	54	0.05
	Mullaghmore ...	29.58	58	N	5	bc	29.67	+0.09	56	54	+1	WNW	6	0.9T	4	61	54	0.03
	Belmullet ...	29.62	55	N	2	0.9T	29.73	+0.11	57	57	+3	N	4	0	*	60	54	0.12
	Donaghadee ...	29.52	55	NNE	4	0	29.59	+0.07	54	54	0	NNE	5	T	3	60	53	0.17
	Liverpool (Bidston)	29.53	58	W	4	C	29.55	+0.02	55	53	+4	ENE	1	0	1	59	50	0.44
	Holyhead ...	29.53	56	WNW	3	G	29.55	+0.02	55	54	+3	N	3	G	2	63	53	0.03
	Parsonstown ...	29.59	58	2	0	C	29.67	+0.08	54	53	-1	NW	1	0	*	62	47	0.26
	Valencia ...	29.70	56	WNW	2	C	29.78	+0.08	56	58	0	WNW	2	0.9T	4	61	52	0.15
	Roche's Point...	29.63	57	NW	5	bc	29.68	0.0	56	52	+2	NW	4	0	4	59	50	0.35
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.57	57	W	4	bc	29.61	-0.02	55	53	+1	NW	3	bc	4	61	53	—
	Scilly ...	29.70	56	WNW	4	bc	29.65	-0.04	58	55	+2	WNW	4	bc	4	60	51	0.10
	Prawle Point ...	29.66	56	WNW	4	bc	29.66	-0.02	56	54	0	WNW	3	bc	2	58	49	0.01
	Jersey (St. Aubin's)	29.73	59	W	5	0.9T	29.70	-0.03	58	53	0	WNW	6	bc	4	63	52	0.78
	Hurst Castle ...	29.61	60	W	7	bc	29.64	-0.01	58	57	0	W	5	bc	3	66	54	0.07
	Dungeness ...	29.56	60	W	7	bc	29.64	+0.01	54	52	-6	WNW	4	T	3	64	52	0.40
	London ...	29.56	57	SEW	2	C	29.61	+0.01	54	49	-4	SEW	2	bc	*	66	46	0.01
	Oxford ...	29.58	53	SW	3	G	29.59	0.0	54	52	-1	SW	1	bc	*	62	46	0.18
	Cambridge ...	29.54	60	SW	1	bc	29.59	+0.02	56	54	0	SW	1	G	*	67	43	0.01
	Yarmouth ...	29.52	56	SEW	1	C	29.60	+0.02	58	54	+2	SW	2	G	2	60	46	0.43
PENINSULA.	Cuxhaven ...	29.65	59	S	3	bc	29.63	-0.02	56	55	-1	SW	3	bc	*	66	50	0.36
	Berlin ...	29.75	65	SW	1	C	29.75	-0.0	61	57	-2	W	3	bc	*	72	57	0.08
	Wiesbaden ...	29.83	*	*	*	*	29.83	-0.06	58	54	-1	SW	4	bc	*	68	52	0.04
	Munich ...	29.88	56	N	1	0	29.97	-0.09	57	54	-4	SW	4	G	*	70	52	0.75
	The Helder ...	29.57	59	SW	2	G	29.65	0.0	57	54	-3	SEW	2	C	2	64	53	0.12
	Brussels (9 a.m.)	*	*	*	*	*	29.73	-0.10	56	52	+1	S	5	C	*	65	48	0.20
	Cape Gris Nez	29.60	59	SW	6	bc	29.62	-0.04	54	52	-4	SW	4	T	*	61	52	0.12
	Paris ...	29.75	57	SW	2	C	29.82	-0.07	54	52	-4	SEW	3	0	*	64	48	0.20
	Brest ...	29.83	61	W	4	G	29.78	-0.05	57	53	-1	WNW	4	bc	4	68	54	0.12
	Lorient ...	29.83	60	WNW	6	C	29.80	-0.04	57	54	-1	W	4	G	4	63	53	—
FRANCE AND BELGIUM.	Rochefort ...	29.88	64	WNW	5	C	29.86	-0.02	60	57	-1	W	5	C	2	68	57	0.08
	Belfort ...	29.90	63	W	3	bc	29.90	-0.04	59	54	0	W	3	bc	*	68	48	0.12
	Lyons ...	29.85	72	WNW	3	C	29.97	-0.04	58	52	-2	WNW	2	bc	*	75	57	—
	Nice ...	29.91	66	SE	1	bc	29.90	-0.10	65	60	-5	ENE	2	G	1	75	57	—
	Perpignan ...	29.93	73	NW	3	0	29.98	-0.04	65	60	-1	NW	1	0	*	77	64	—
	Biarritz ...	29.95	68	NW	5	C	29.92	-0.10	63	59	0	SW	3	C	3	73	59	—
	Corunna ...	*	*	*	*	*	30.01	-0.02	62	58	-5	NNE	5	G	3	?	59	—
Lisbon ...	29.98	64	N	6	G	30.01	-0.02	62	58	-5	NNE	5	G	3	?	59	—	

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, 4<sup>th</sup> August, 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

☉ = dead calm.

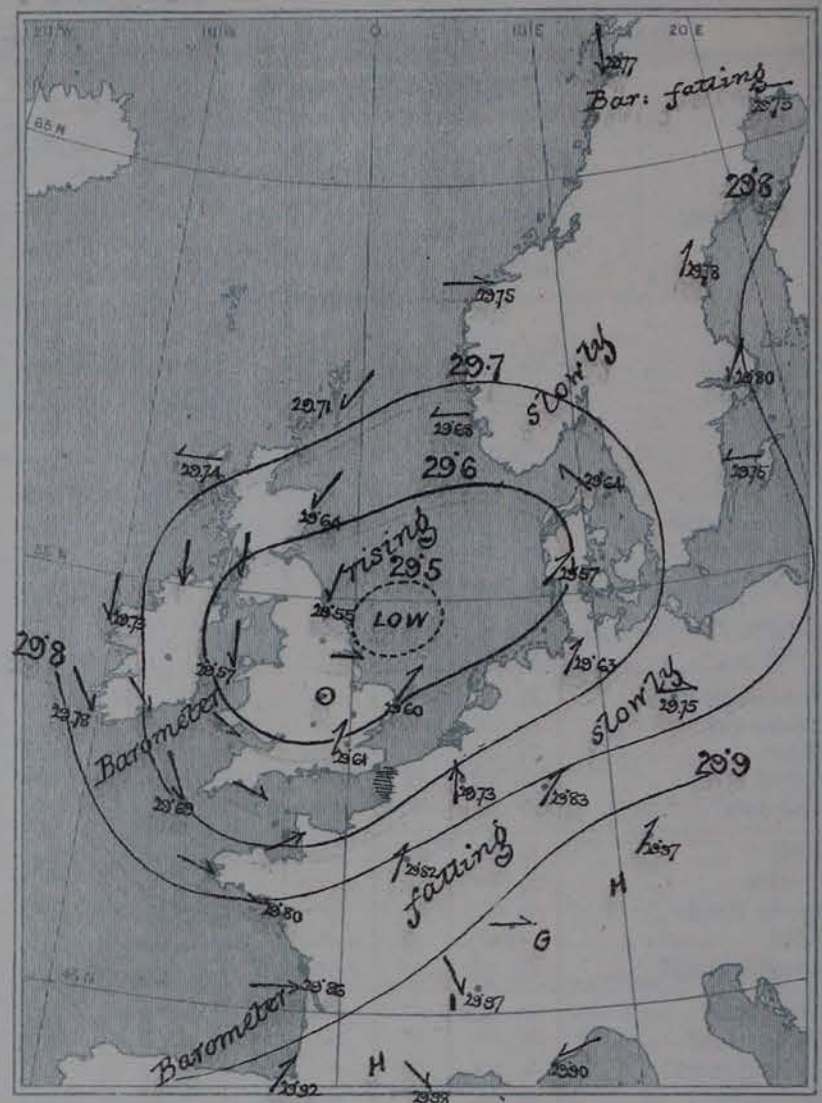
**SEA DISTURBANCE**—Where considerable, is shown thus:

☰ = Rough. ☱ = High.

### MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
	ins.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.928
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.870
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Silly	29.952
Prawle Point	29.975
Jersey	29.984
Hurst Castle	29.965
Dover	29.919
LONDON	29.951
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

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

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.7	48.4	53.4	51.7	3.16
Stornoway .....	59.8	48.8	54.9	53.2	3.67
Wick .....	61.1	48.3	55.2	53.2	2.57
Nairn .....	63.4	50.3	55.5	52.7	2.75
Aberdeen .....	63.1	50.1	56.5	53.4	3.03
Leith .....	65.7	51.3	57.5	54.4	2.56
Shields .....	63.0	51.9	57.2	54.5	2.85
Spurn Head.....	64.8	55.0	58.8	56.0	1.86
York .....	67.9	51.3	57.7	55.0	2.51
Loughborough .....	70.4	51.8	59.3	56.9	2.53
Ardrossan .....	63.6	52.8	57.2	54.8	3.78
Mullaghmore .....	63.3	53.8	57.3	54.5	3.65
Donaghadee .....	62.2	52.2	56.9	55.3	3.04
Holyhead.....	64.1	54.8	58.4	56.2	2.77
Liverpool.....	65.8	54.1	58.5	55.2	2.83
Parsonstown .....	66.0	54.4	57.3	55.2	3.38
Valencia .....	64.7	54.1	59.3	56.9	4.70
Roche's Point.....	66.1	53.8	58.9	56.3	3.62
Pembroke.....	63.2	55.6	58.6	56.5	2.77
Silly .....	64.9	57.0	60.9	58.8	2.30
Prawle Point.....	65.3	54.4	60.1	57.9	2.11
Jersey .....	68.8	57.1	62.8	59.6	2.24
Hurst Castle .....	68.1	55.9	61.0	58.9	2.28
Dover .....	67.3	56.7	62.0	58.6	2.04
LONDON .....	71.8	53.5	60.0	57.3	2.21
Oxford .....	69.3	53.0	58.8	56.0	2.21
Cambridge .....	71.3	51.8	60.0	57.1	2.19
Yarmouth .....	66.3	54.8	60.5	57.6	2.15

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 29.9 in. to 30.0 in. over Spain and the southern parts of France and Germany.

Lowest, 29.5 in. and less, in a small depression lying off the northeast of England.

Gradients slight. Barometer rising at all but the French and Danish stations, but change very gradual.

## TEMPERATURE

Highest, 65° at Rennes and Perpignan, 63° at Biarritz, 62° at Christiansund and Lisbon, and 61° at Tassin, Skagen and Berlin.

Lowest, 52° at Shields, 53° at Lumburg, Hl and York, and 54° at Bodo, Wick, Bangor, Loughborough, Oxford, Dungeness, Cric. Ny. and in London.

The highest maxima registered over our Islands yesterday were 67° at Lumburg, and 66° at Hurst Castle and in London.

## WIND

Light or moderate from the NE. over Norway, Scotland, and the northeast of England.

Light to fresh from the N. or NW. on our western coasts; moderate from the W. in the west of France.

SW. over Denmark, Germany, the Netherlands, and the southeast of England.

## WEATHER

Changeable and showery in many parts of the United Kingdom, with a thunderstorm at Shields.

Fine at most of the Continental stations.

Thunderstorms occurred yesterday over England and Holland, and heavy rain fell in many places, the largest amount being 0.8 in. at Jersey and 0.6 in. at Leith.

## SEA

Moderate to smooth generally, but rather rough in the Strait of Dover.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the depression in the northeast fills up the weather over our islands will probably improve gradually. Showers are, however, probable today in many districts with local thunderstorms.

## FORECASTS

For the 24 hours ending at NOON on 5<sup>th</sup> AUG<sup>st</sup> 1891.

### DISTRICTS.

### FORECASTS.

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

NE<sup>2</sup> winds, light or moderate; changeable, some showers, thunder locally.

SW<sup>2</sup> winds, light; fair generally, but local thundershowers.

### DISTRICTS.

### FORECASTS.

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

NE<sup>2</sup> winds, light; changeable, some showers, thunder locally.

NW<sup>2</sup> winds, moderate; changeable, some showers.

NE<sup>2</sup> winds, moderate or fresh; changeable, some showers.

### WARNINGS

NONE ISSUED.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

		THER:		WIND						THER:		WIND					
	BAR:	D	W.	D	F	WEA.	SEA			BAR:	D	W.	D	F	WEA.	SEA	
Skudesnaes ...	27.64	62	57	E	1	7	2	Holyhead ...	...	29.54	62	57	WNW	3	6	3	
Sumburgh Head ...	27.65	57	57	NE	2	0	3	Valencia ...	...	29.71	57	54	NW	4	6C 8P	5	
Stornoway ...	27.62	57	58	NE	4	6	4	Scilly ...	...	29.72	57	56	W	4	6C 7P	4	
Aberdeen ...	27.58	57	56	ENE	3	C	3	Jersey ...	...	29.78	62	56	W	5	C 7N	3	
Shields ...	27.48	60	56	ESE	2	C	2	Dungeness ...	...	29.56	63	57	W	7	6C 9P	5	
Ardrossan ...	27.50	61	60	NE	2	0 6L	1	London ...	...	29.56	65	56	WNW	3	6C	8	
Malin Head ...	27.58	58	54	N	3	5	3	Yarmouth ...	...	29.53	57	53	SW	1	0 6L 7P	3	
Mullaghmore ...	27.57	57	54	WNW	5	C 1	4	Rochefort ...	...	29.89	63	?	WNW	5	0	2	
Belmullet ...	27.60	58	56	N	2	6C	*										

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

Weather in morning fine and bright over the whole of southwestern, southern, and southeastern Europe, changeable and very unsettled elsewhere, with showers in many places especially over the British Islands. Thunderstorms, varying in severity, experienced in all parts of Great Britain and France later, rain in considerable quantities over Ireland, Germany, and the eastern shore of the North Sea. Night fine over England, but much lightning seen in London.

Temperature fallen in our Islands, and low generally for time of year. Morning readings exceeding 70° in the extreme south and southeast only (80° at Constantinople, 82° at Brindisi), and exceeding 60° in many parts of Germany and Scandinavia but below 60° over the greater part of France, the British Islands, and all the northern half of Russia, and as low as 48° at Archangel. Rising unsteadily later to 58° and 67° over Great Britain and to between 55° and 62° over Ireland. Maxima of 70° to 79° recorded over the south of France.

Wind light to moderate, and variable, over the southern countries, more fresh in the northwest and north. Well marked cyclonic circulation prevailing over the British Islands, and over the Baltic and Western Russia; the W<sup>2</sup> wind fresh to strong in force over the English Channel, but the E<sup>2</sup> wind over Scandinavia and the north of Scotland only light to moderate in force.

Barometer highest 30.0 ins: and more to 29.9 ins: over all the southwestern, southern, and southeastern countries, and exceeding 29.8 ins: over Finland, the Gulf of Bothnia, and the north of Sweden. Lowest 29.5 ins: and less, in two depressions — one lying over the Baltic Provinces, and the other over the British Islands and North Sea. Very little change later.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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 5<sup>th</sup> August.* 1891.  
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																	
55, Victoria Street, London.																	
YESTERDAY EVENING.																	
8 A.M. TO DAY.																	
PAST 24 HOURS.																	
STATIONS.																	
BAROMETER.																	
SHADE TEMP.																	
WIND.																	
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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, 5<sup>th</sup> Aug., 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

⊞ = Rough. ⊞ = High.

## MEAN HEIGHT OF THE BAROMETER

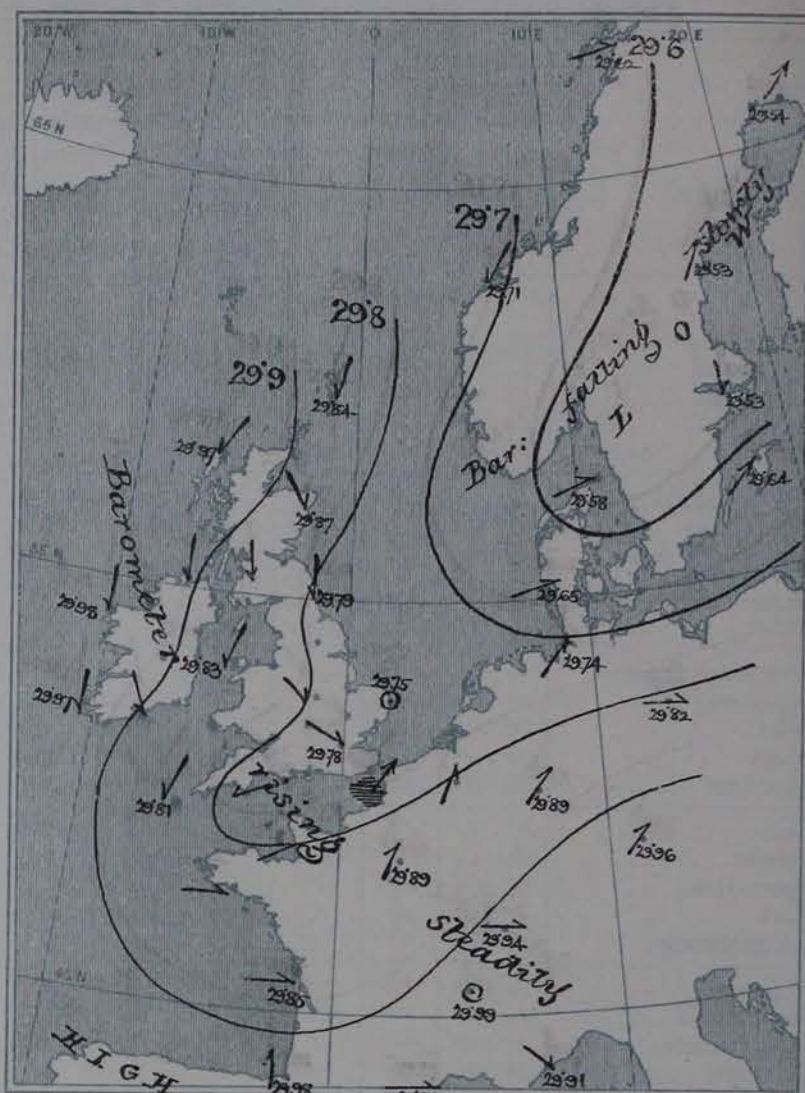
at 8.0 a.m. for the month of August

During the 20 Years: 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head.....	29.781
Stornoway.....	29.796
Wick.....	29.810
Nairn.....	29.819
Aberdeen.....	29.832
Leith.....	29.840
Shields.....	29.871
Spurn Head.....	29.905
York.....	29.906
Loughborough.....	29.928
Ardrossan.....	29.857
Mullaghmore.....	29.868
Donaghadee.....	29.879
Holyhead.....	29.907
Liverpool.....	29.906
Parsonstown.....	29.920
Valencia.....	29.927
Roche's Point.....	29.927
Pembroke.....	29.928
Seilly.....	29.962
Prawle Point.....	29.975
Jersey.....	29.984
Hurst Castle.....	29.965
Dover.....	29.949
LONDON.....	29.951
Oxford.....	29.948
Cambridge.....	29.937
Yarmouth.....	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

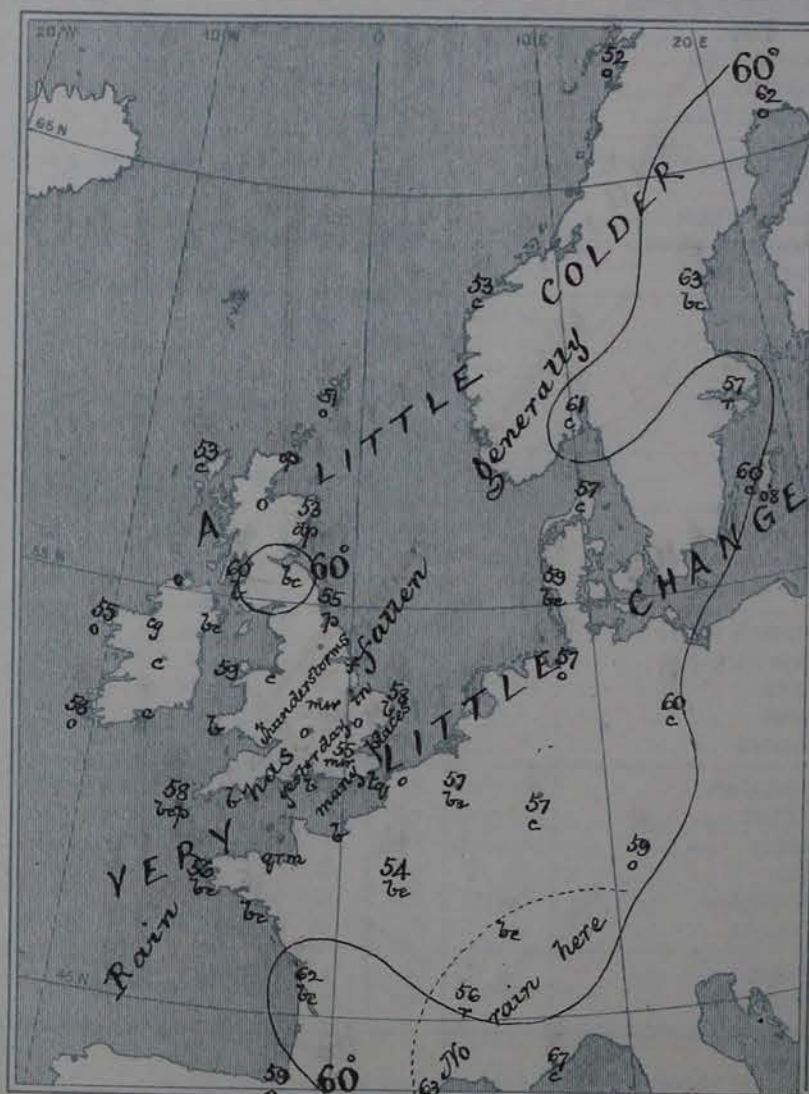
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.7	48.4	53.4	51.7	3.16
Stornoway.....	59.8	48.8	54.9	53.2	3.07
Wick.....	61.1	48.3	55.2	53.2	2.57
Nairn.....	63.4	50.3	55.5	52.7	2.75
Aberdeen.....	63.1	50.1	56.5	53.4	3.03
Leith.....	65.7	51.3	57.5	54.4	2.56
Shields.....	63.0	51.9	57.2	54.5	2.85
Spurn Head.....	61.3	53.0	58.8	56.6	1.86
York.....	67.0	51.3	57.7	55.0	2.64
Loughborough.....	70.4	51.8	59.3	56.9	2.53
Ardrossan.....	63.6	52.8	57.2	54.8	3.78
Mullaghmore.....	63.3	53.8	57.3	54.5	3.65
Donaghadee.....	62.2	52.2	56.9	55.3	3.04
Holyhead.....	64.1	54.8	58.4	56.2	2.77
Liverpool.....	65.8	54.1	58.5	55.2	2.83
Parsonstown.....	66.0	51.4	57.3	55.2	1.38
Valencia.....	64.7	54.1	59.3	56.9	1.70
Roche's Point.....	66.1	53.8	58.9	56.3	3.62
Pembroke.....	63.2	55.6	58.6	56.5	2.77
Seilly.....	64.9	57.0	60.9	58.8	2.30
Prawle Point.....	65.3	54.4	60.1	57.9	2.14
Jersey.....	68.8	57.1	62.8	59.6	2.24
Hurst Castle.....	68.1	55.9	61.0	58.9	2.28
Dover.....	67.2	56.7	62.0	58.6	2.04
LONDON.....	71.8	53.5	60.9	57.3	2.21
Oxford.....	69.3	53.0	58.8	56.0	2.24
Cambridge.....	71.3	51.8	60.0	57.1	2.10
Yarmouth.....	66.3	54.8	60.5	57.6	2.15

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, to the westward of our islands.

Lowest, 29.6 ins. and less, over the greater part of Sweden.

Gradients slight. Barometers rising at all but the Scandinavian and Danish stations.

## TEMPERATURE

Highest, 67° at Nice, 63° at Helsingfors and Copenhagen, 62° at Haparanda, Leth, and Rochfort, and 61° at Færevik and Liden.

Lowest, 51° at Lumburg Ht., 52° at Loughborough and Oxford and 53° at Christiansund, Stromsøy, Naime, and Aberdeen.

The highest maxima registered over our islands yesterday were 63° in London, 63° at Cambridge, and 64° at Loughborough.

## WIND

Light or moderate from the N.W. in all the more western and northern part of the United Kingdom, but W. in the southeast of England, as well as in the west and south of France.

SW. over Scandinavia, Denmark, Germany, the Netherlands, and the east of France; strong in force at some of the Swedish stations.

## WEATHER

Fair over the greater part of Western Europe, but dull and showery at some of our own stations, and raining at Lyons. Thunder reported at Helsingfors.

Thunderstorms occurred yesterday at most of the English stations, and showers fell in nearly all other parts of Western Europe.

## SEA

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

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The rise of the barometer in the west seems to be fairly decided, and an anticyclone is apparently extending eastwards from the Atlantic. The conditions are not yet settled, but a gradual improvement in the weather seems probable over the United Kingdom.

## FORECASTS

For the 24 hours ending at NOON on 6<sup>th</sup> AUG<sup>r</sup> 1891.

### DISTRICTS.

### FORECASTS.

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

N<sup>2</sup> winds, light or moderate; changeable, showery.

W<sup>2</sup> to NW<sup>2</sup> winds, light; fair generally but perhaps local showers.

### DISTRICTS.



### FORECASTS.

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

N<sup>2</sup> winds, light or moderate; fair generally

### WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

THER: WIND								THER: WIND							
BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA	
Skudesnaes ...	29.68	71	59	E	2	C	2	Holyhead ...	29.61	60	56	NNE	2	C	2
Sumburgh Head ...	29.76	56	56	NE	2	O	4	Valencia ...	29.80	58	56	NNW	4	hazy	4
Stornoway ...	29.81	53	53	NE	4	O	4	Scilly ...	29.72	61	57	NNW	4	cp	4
Aberdeen ...	29.69	61	58	NE	5	bcg	5	Jersey ...	29.74	62	56	WSW	4	bm	3
Shields ...	29.61	58	56	NNE	2	C	2	Dungeness ...	29.65	62	57	W	6	bcg	4
Ardrossan ...	29.66	63	60	N	2	O	1	London ...	29.64	57	54	WSW	2	ofc	*
Malin Head ...	29.69	58	53	N	5	C	3	Yarmouth ...	29.63	60	58	S	4	br	3
Mullaghmore ...	29.70	62	57	N	7	cm	4	Rocheport ...	29.04	66	57	W	5	C	!
Belmullet ...	29.76	58	57	N	6	og	*								

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

Weather continuing fine over the most southern countries only; fair over the northern parts of Scandinavia, and temporarily fair in the east and south of England; dull and very unsettled elsewhere, with rain in the north and west of our Islands and in several parts of Germany, thunder in places. Rainfall during day less heavy than on Monday, but thunderstorms of considerable violence reported in the northeast, east, and southeast of England.

Temperature still low over our Islands and France, and falling over North Germany. Morning readings exceeding 70° in extreme southwest, south, and southeast only (81° at Constantinople), and exceeding 60° over the south of France, south Germany, southern and western Russia, and at most of the Danish, Swedish, and Norwegian stations. Lowest over the British Isles, northern and central Russia, and as low as 50° at Archangel, 52° at Shields, 53° at Lumburgh 11<sup>th</sup>, 54° at St. Petersburg, 55° at Malin 11<sup>th</sup>, Oxford, London, and Paris. Rising later to between 60° and 69° over our Islands, Germany, and the northern half of France, but very cold again at night, for time of year.

Wind light and variable over southwestern, southern, southeastern, eastern and northern Europe, light to moderate in the northwest over our Islands. Variable in direction over Scandinavia, NE<sup>3</sup> in Scotland, N<sup>3</sup> in Ireland and the Irish Channel, W<sup>3</sup> and SW<sup>3</sup> in the English Channel, and north of France, SW<sup>3</sup> over the Netherlands and N. Germany, S<sup>3</sup> to SE<sup>3</sup> over the Baltic. N<sup>3</sup> wind increasing in force at the Irish stations later, and NE<sup>3</sup> wind becoming more N<sup>3</sup> in Scotland.

Barometer highest 30.0 ins. and more over the Spanish Peninsula, southern Europe, and the Mediterranean; (2) over southern Russia and the Black Sea; exceeding 29.8 ins. over Finland, and exceeding 29.7 ins. at our most northern stations and over Scandinavia. Lowest, 29.4 ins. to 29.5 ins. in a complex depression over the North Sea and northern part of England. Rising throughout our Islands later - most in the west and north, but depression over North Sea extending 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 *Thursday 6th August.* 1891.  
 Issued by the Meteorological Office, 63, Victoria Street, London. *R. H. SCOTT, Secretary.*

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.						
	BAROM :	TEMP.	WIND.			BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.		Amount of Rainfall.					
			Reading at 32° F. and Sea Level.	Dry.		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.	Direc.		Force. (0 to 12.)	Weather.	Sea. (0 to 3.)	Max.	Min.
SCANDINAVIA.	Haparanda ...	29.50	61	2	0	C	29.44	-10	60	55	-2	SE	2	C	*	70	50	—				
	Hernösand ...	29.42	60	N	4	0	29.38	-15	53	51	-8	N	4	0	*	79	52	—				
	Stockholm ...	29.47	56	SW	2	0	29.41	-12	55	55	0	WSE	2	T	*	63	48	0.43				
	Wisby ...	29.55	57	SW	4	6	29.48	-19	60	58	0	WSE	4	bc	*	68	54	—				
	Bodö ...	29.62	57	S	0	C	29.54	-10	57	48	-1	NNE	2	0	1	54	48	—				
	Christiansund ...	29.72	53	NNE	4	bc	29.70	-10	57	49	-2	NNE	4	f	3	55	48	—				
	Skudesnaes ...	29.53	57	NNW	8	bc	29.63	+10	57	57	-3	NNW	9	bc	5	61	55	—				
	Christiania Fjord (Færdar)	29.48	56	N	5	T	29.54	-10	53	47	?	NNW	6	C	2	64	53	0.57				
	Skagen (The Scaw)	29.44	55	WSE	1	C	29.45	-13	53	53	+1	NE	2	bc	1	66	55	0.04				
	Fanö ...	29.57	55	N	4	C	29.53	-12	56	55	-3	NNW	6	C	*	63	?	0.75				
BRITISH ISLANDS.	Sumburgh Head	29.86	51	NNW	3	0	29.84	0.0	57	51	0	NNW	1	T	3	55	45	0.05				
	Stornoway ...	30.01	53	N	3	bc	30.00	+10	53	53	+2	N	3	0	3	53	45	—				
	Wick ...	29.72	52	NNW	4	0	29.72	+10	53	52	-2	NW	5	0	3	55	48	—				
	Nairn ...	29.54	55	E	1	C	29.56	+10	53	49	0	SEW	1	C	1	55	48	0.03				
	Aberdeen ...	29.54	53	NW	3	C	29.55	+10	54	49	+1	NNW	3	C	3	57	49	—				
	Leith ...	29.55	56	E	2	C	29.58	+14	53	52	-7	SW	2	C	*	63	50	—				
	Shields ...	29.87	57	NNW	4	C	29.58	+19	53	50	-2	N	2	0	3	55	49	0.01				
	Spurn Head ...	29.87	57	NNW	4	0	29.58	+23	54	52	0	NW	4	C	3	60	51	0.03				
	York ...	29.52	56	NNW	3	0	30.00	+22	54	50	-1	NNW	1	0	*	55	48	0.02				
	Loughborough	29.52	58	N	2	0	30.04	+24	57	50	-1	S	0	ogm	*	66	51	0.03				
GERMANY & HOLLAND.	Ardrossan ...	29.50	64	NNW	2	C	30.01	+16	56	53	-4	N	6	C	4	67	57	—				
	Malin Head ...	30.01	53	NNW	4	0	30.10	+19	54	50	0	NNW	4	0	2	55	57	—				
	Mullaghmore ...	30.07	55	NNW	5	0	30.16	+24	56	52	0	NNW	4	0	2	58	52	—				
	Belmullet ...	30.08	56	NNE	2	0	30.20	+22	56	54	+1	NNW	2	0	*	57	52	0.01				
	Donaghadee ...	29.55	59	N	4	C	30.08	+20	54	50	-3	NNE	4	C	2	65	53	—				
	Liverpool (Bidston)	29.53	62	NNW	2	bc	30.03	+20	53	53	-1	NNW	4	0	4	63	55	—				
	Holyhead ...	29.56	58	N	2	C	30.08	+25	54	51	-5	NNW	4	cg	3	61	53	—				
	Parsonstown ...	30.02	60	2	0	C	30.15	+26	54	50	-3	2	0	0	*	67	57	—				
	Valencia ...	30.09	58	N	4	cg	30.25	+28	56	52	-2	N	2	0	3	63	54	—				
	Roche's Point...	29.55	64	N	4	bc	30.18	+21	53	51	-2	NNW	3	bc	3	69	52	—				
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.55	60	N	2	bc	30.12	+20	54	57	-4	NNW	4	cg	2	65	57	—				
	Scilly ...	29.57	60	N	4	bc	30.12	+21	58	56	0	N	4	C	3	62	55	—				
	Prawle Point ...	29.50	55	NNW	1	C	30.09	+20	53	57	-1	NNW	1	ogm	0	63	52	—				
	Jersey (St. Aubin's)	29.88	61	N	3	bc	30.06	+26	60	57	+2	NW	2	ogm	2	64	49	0.02				
	Hurst Castle ...	29.89	64	WSE	2	bc	30.07	+28	58	57	-2	NW	1	mo	1	66	52	0.01				
	Dungeness ...	29.86	61	N	3	bc	30.00	+23	57	53	-3	NW	3	C	1	65	45	—				
	London ...	29.87	64	NW	1	bc	30.03	+25	54	53	-1	NNW	1	odg	*	68	53	0.01				
	Oxford ...	29.53	57	N	2	C	30.04	+25	53	53	+3	NW	1	0	*	68	50	—				
	Cambridge ...	29.89	53	N	1	T	30.04	+26	52	51	-3	N	1	T	*	70	50	0.02				
	Yarmouth ...	29.84	60	N	3	cg	29.55	+20	53	52	-3	NNW	4	C	4	64	50	0.02				
PENINSULA.	Cuxhaven ...	29.74	58	N	4	T	29.69	-15	58	56	+1	NNW	5	bc	*	63	55	0.36				
	Berlin ...	29.78	60	N	2	bc	29.78	-10	55	53	-1	NNW	3	bc	*	70	50	0.04				
	Wiesbaden ...	*	*	*	*	*	29.93	+10	56	53	-1	SW	1	bc	*	68	46	0.04				
	Munich ...	30.01	52	N	1	0	29.95	+10	55	52	-4	WSE	4	C	*	59	52	0.35				
	The Helder ...	29.82	59	N	3	T	29.87	+15	57	52	-1	NW	3	bc	3	63	56	0.12				
	Brussels (9 a.m.)	*	*	*	*	*	29.56	?	57	56	0	NNW	2	0	*	66	49	0.16				
	Cape Gris Nez	29.85	60	WSE	3	bc	29.56	+23	57	53	-1	N	3	0	2	63	53	—				
	Paris ...	29.91	64	NNW	2	0	30.02	+13	56	54	+2	NW	1	bc	*	70	46	—				
	Brest ...	61	NW	3	bc	?	?	?	55	?	+1	N	2	m	2	64	54	—				
	Lorient ...	29.88	62	N	1	bc	30.07	+23	52	57	-7	NNE	2	bc	2	64	50	—				
FRANCE AND BELGIUM.	Rochefort ...	29.51	65	WSE	5	C	29.55	+10	58	56	-4	E	3	C	2	72	55	0.04				
	Belfort ...	29.56	52	N	3	C	29.56	+10	59	57	0	N	3	C	*	68	43	—				
	Lyons ...	29.58	62	WSE	1	bc	30.02	+13	58	53	+2	NNW	2	C	*	67	51	—				
	Nice ...	29.83	69	WSE	2	bc	29.84	-10	64	61	-3	2	0	T	1	79	63	—				
	Perpignan ...	29.96	66	NW	2	0	30.01	+10	64	57	+1	NNW	3	bc	*	71	53	—				
	Biarritz ...	30.00	66	NW	4	bc	30.01	+10	58	53	-1	WSE	5	T	5	70	57	1.02				

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, 6<sup>th</sup> August, 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 show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

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

→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shewn thus:

▨ = Rough. ▨ = High.

## MEAN HEIGHT OF THE BAROMETER

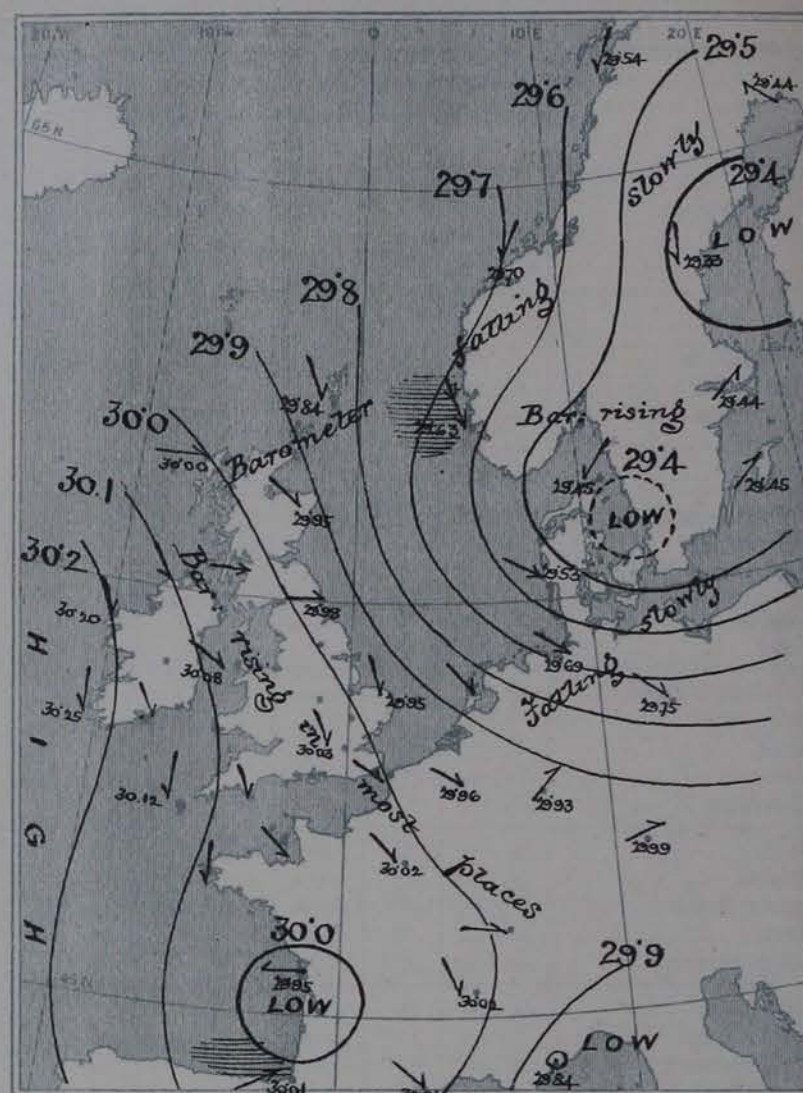
at 8.0 a.m. for the month of August

During the 20 Years: 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sunbury Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shield	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.928
Ardrossan	29.937
Mullaghmore	29.968
Donaghadee	29.979
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Silly	29.962
Prawle Point	29.975
Jersey	29.984
Hurst Castle	29.965
Dover	29.949
LONDON	29.954
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER**—is shown by Letters of the Beaufort Scale.

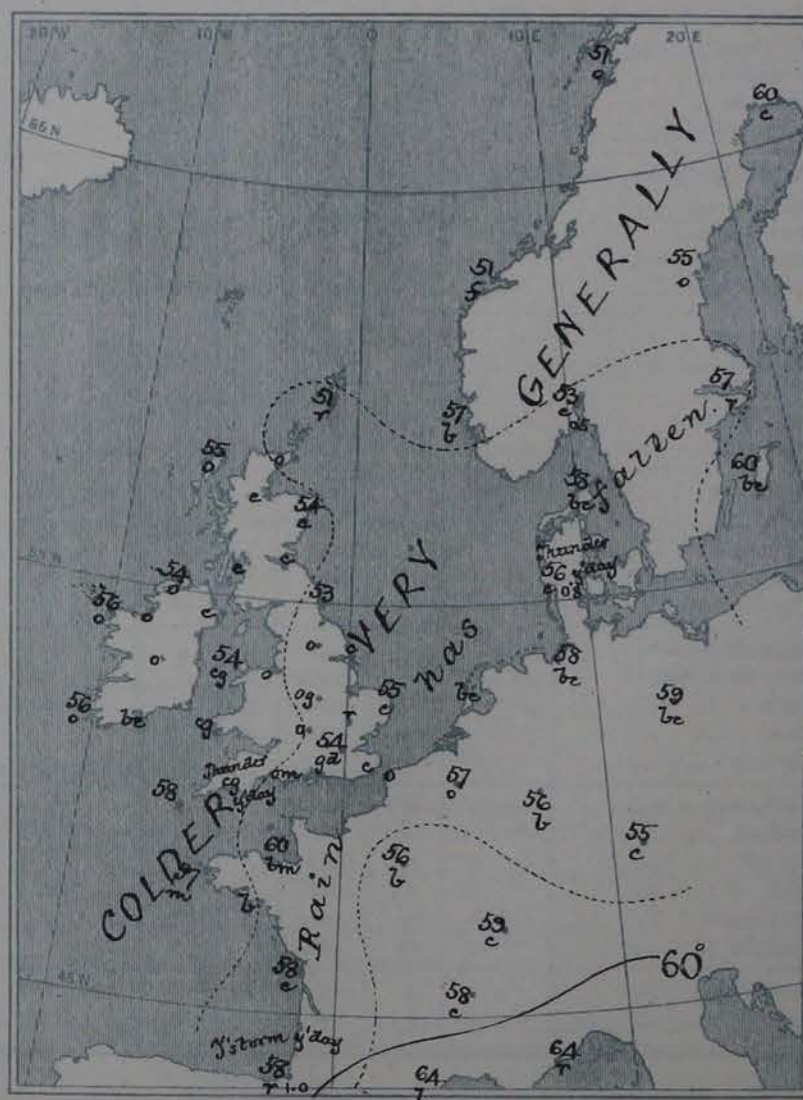
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sunbury Head	57.7	48.4	53.4	51.7	3.16
Stornoway	59.8	48.8	54.9	53.2	3.67
Wick	61.1	48.3	55.2	53.2	2.57
Nairn	63.4	50.3	55.5	52.7	2.75
Aberdeen	63.1	50.1	56.5	53.4	3.03
Leith	65.7	51.3	57.5	54.4	2.56
Shield	63.6	51.9	57.2	54.5	2.85
Spurn Head	61.3	55.0	58.8	56.6	1.86
York	67.0	51.3	57.7	55.0	2.54
Loughborough	70.4	51.8	59.3	56.9	2.53
Ardrossan	67.6	52.8	57.2	54.8	3.78
Mullaghmore	63.3	53.8	57.3	54.5	3.65
Donaghadee	62.2	52.2	56.9	55.3	3.04
Holyhead	64.1	54.8	58.4	56.2	2.77
Liverpool	65.8	54.1	58.5	55.2	2.83
Parsonstown	66.0	51.4	57.3	55.2	3.38
Valencia	64.7	54.1	59.3	56.9	4.70
Roche's Point	66.1	53.8	58.9	56.3	3.62
Pembroke	63.2	55.6	58.6	56.5	2.77
Silly	64.9	57.0	60.9	58.8	2.39
Prawle Point	65.3	54.4	60.1	57.9	2.14
Jersey	68.8	57.1	62.8	60.6	2.24
Hurst Castle	68.1	55.9	61.0	58.9	2.28
Dover	67.1	56.7	62.0	58.0	2.04
LONDON	71.8	53.5	60.9	57.3	2.21
Oxford	69.3	53.0	58.8	56.0	2.24
Cambridge	71.3	51.8	60.0	57.1	2.19
Yarmouth	68.3	54.8	60.5	57.6	2.15

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.2 ins. and upwards, in an anticyclone extending from the Atlantic over Portugal and the west of Ireland.  
 Lowest, 29.4 ins. and less, in a depression lying over the southern part of the Gulf of Bothnia, and also in another system lying over the Sound.  
 Gradients moderate over North Germany and the eastern shore of the North Sea, but slight elsewhere.

Barometer rising in most parts of our Islands, and France, but falling in the extreme north of Scotland, as well as in Scandinavia, Denmark and Germany.

## TEMPERATURE

Highest, 64° at Nice and Perpignan, 61° at Lisbon, 60° at Haparanda and Jersey, and 59° at Gravesend, Berlin, and Belfast.  
 Lowest, 51° at Rode, Christiansund, Loughborough, 52° at Cambridge, and 53° at Faeder, Theek, Nauru, and Shields.

The highest maxima registered over our Islands yesterday were 70° at Cambridge, and 68° in London and at Oxford.

## WIND

Light or moderate from the NW<sup>th</sup> or N<sup>th</sup> over the United Kingdom and the Netherlands; strong from the same quarters on the eastern shore of the North Sea, with a gale at Skudesnaes.

Moderate from the NW<sup>th</sup> or SW<sup>th</sup> over Germany and the south of Sweden, as well as in the extreme south of France.

## WEATHER

Cloudy over the greater part of Western Europe, with rain in London and at Cambridge, as well as at Stockholm, Biarritz and Nice.

Fine in Denmark, Germany, the south of Norway and the northern parts of France.

Since yesterday morning showers have fallen in many parts of Great Britain, with thunderstorms at some of the south coast stations.

## SEA

Slight or smooth generally, but rather rough at Skudesnaes and also at Biarritz.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone in the west appears to be still spreading eastwards. Over Great Britain, however, there are indications of the presence of shallow local depressions so that showers are still probable over the eastern part of the Kingdom.

## FORECASTS

For the 24 hours ending at NOON on 7<sup>th</sup> AUGUST 1891.

### DISTRICTS.

### FORECASTS.

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

W<sup>th</sup> and NW<sup>th</sup> winds, moderate;  
 cloudy, some showers.  
  
 NW<sup>th</sup> winds, light; cloudy, local showers.

### DISTRICTS.

### FORECASTS.

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

Same as N<sup>os</sup> 0 to 2.  
 NW<sup>th</sup> winds, moderate; fair generally.  
 N<sup>th</sup> winds, light or moderate; fair generally.  
 Same as N<sup>os</sup> 0 to 2.  
 Same as N<sup>o</sup> 8.

### WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.53	61	53	NW	3	C	3		Holyhead ...	29.92	61	57	NNE	2	6C
Sumburgh Head ...	29.86	57	48	N	4	0	4		Valencia ...	30.05	62	59	N	3	6C
Stornoway ...	30.00	54	52	NE	3	0	3		Scilly ...	29.89	61	58	N	4	6C
Aberdeen ...	29.92	53	49	NNW	4	Cg	4		Jersey ...	29.86	63	58	WNW	3	Cm
Shields ...	29.88	56	54	NNW	4	0	3		Dungeness ...	29.83	64	57	N	5	6C
Ardrossan ...	29.89	66	61	NNW	2	6C	1		London ...	29.84	64	56	NW	2	C
Malin Head ...	29.77	53	51	NNW	3	0	3		Yarmouth ...	29.81	63	58	NNE	3	6
Mullaghmore ...	30.03	57	54	N	5	Cm	4		Rocheport ...	29.89	66	60	WNW	5	C
Belmullet ...	30.06	57	53	N	3	0	*								

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

Weather in morning still cloudy and unsettled over northern and northwestern Europe, with rain in several places, but improving as a whole over the British Islands, especially in the west; fine and bright over southeastern, southern, and southeastern Europe. A good deal of rain over Denmark and central Europe later, but little or none at the Norwegian, Irish, and most of the French stations, thunderstorms at Paris, Kew Point, and Biarritz.

Temperature fallen a little over Central Europe, and remaining low in the southwest. Morning readings exceeding 70° at nearly all the Mediterranean stations (80° at Brindisi, 81° at Malta, and 84° at La Spezia) and exceeding 60° over Spain, Austria, Germany and Sweden, lower elsewhere. Lowest 50° at Archangel, 51° at Sumburgh Hd., 52° at Rangoon, Loughborough and Belfast, 53° at Stornoway and Aberdeen, 54° at Paris, and 55° in London. Rising to between 65° and 70° over the southern and midland parts of our Islands later, as well as over Germany and the north of France, and to nearly 80° in the south of France. Successive night less cold than of late.

Wind moderate N in Scotland, Ireland, the west of England and Portugal; SW over the northern parts of France, the Netherlands and the Baltic; nearly S over the Gulf of Bothnia, light and very variable over the east and south of England, and over southern and southeastern Europe. Little change later beyond an increase of NW wind to a gale at Skudesnaes.

Barometer highest 30.1 ins. and more to 30.0 ins. over Portugal and the southwest of Spain, and 30.0 ins. and more over the southeast of Russia; exceeding 29.9 ins. over nearly the whole of southern, southeastern, and central Europe, as well as in the western parts of Ireland and Scotland. Lowest 29.6 ins. and less, in a depression over Sweden, and 29.6 ins. to 29.8 ins. in a "V" shaped secondary extending thence in a southwesterly direction across the North Sea to England and the Channel. Rising throughout our Islands during day, but falling in south of 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 3 p.m. (Christiania time).

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" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT.

for *Friday, 7<sup>th</sup> August, 1891.*  
*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 4.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.34	55	NE	4	C	29.40	- .04	50	48	- 10	NE	4	0	*	65	48	0.24
	Hernösand ...	29.36	56	NW	4	C	29.31	- .07	55	53	0	NNW	4	0	*	70	50	0.16
	Stockholm ...	29.41	55	Z	0	0	29.42	+ .01	53	48	- 4	W	4	0	*	63	52	0.12
	Wisby ...	29.43	56	NW	6	C	29.48	+ .03	58	54	- 2	NW	6	0	*	66	55	-
	Bodö ...	29.51	53	Z	0	0	29.53	- .01	48	47	- 3	SW	2	0	1	53	46	-
	Christiansund	29.71	48	N	2	C	29.65	- .05	50	47	- 1	WNW	2	0	2	54	48	0.24
	Skudesnaes ...	29.72	54	NNW	6	0	29.64	+ .01	54	51	- 3	ESE	1	0	3	7	50	-
	Christiania Fjord (Færd)	29.53	61	WSW	5	0	29.56	+ .02	54	46	+ 1	NNE	5	0	2	61	53	0.12
	Skagen (The Scaw)	29.55	56	NW	1	0	29.44	+ .04	60	57	+ 2	NW	3	0	2	64	54	-
	Fanö ...	29.75	55	WNW	6	0	29.73	+ .02	57	56	+ 1	WNW	6	0	*	63	54	0.04
BRITISH ISLANDS.	Sumburgh Head	29.78	52	WNW	2	f	29.64	- .20	50	50	- 1	NNW	3	0	4	54	49	0.12
	Stornoway ...	29.99	56	W	3	0	29.85	- .15	56	56	+ 1	NW	4	0	4	57	52	0.05
	Wick ...	29.90	55	NW	5	0	29.75	- .17	55	54	+ 2	NW	6	0	5	58	50	0.02
	Nairn ...	29.95	56	W	3	C	29.81	- .15	56	55	+ 3	WSW	3	0	1	60	51	0.04
	Aberdeen ...	29.95	58	WNW	3	0	29.81	- .14	56	54	+ 2	W	2	0	2	62	54	0.12
	Leith ...	29.98	62	SW	3	0	29.94	- .04	55	55	0	W	4	0	*	71	52	0.04
	Shields ...	29.98	57	SE	3	C	29.95	- .03	56	52	+ 3	W	4	0	3	59	50	-
	Spurn Head ...	30.01	59	ESE	3	C	29.98	- .00	56	52	+ 2	W	5	0	4	60	51	-
	York ...	30.02	62	W	3	0	30.02	+ .02	56	52	+ 2	W	3	0	*	64	47	-
	Loughborough	30.08	59	W	3	0	30.09	+ .01	54	51	+ 3	W	3	0	**	61	49	0.01
GERMANY & HOLLAND.	Ardrossan ...	30.06	58	W	4	0	30.00	- .01	58	57	+ 2	WNW	5	0	4	60	54	-
	Malin Head ...	30.15	55	NW	3	0	30.05	- .05	56	56	+ 2	W	4	0	3	57	54	-
	Mullaghmore ...	30.22	56	NW	5	0	30.17	+ .01	57	56	+ 1	SW	5	0	3	59	54	-
	Belmullet ...	30.25	58	WNW	3	0	30.17	+ .03	58	58	+ 2	W	3	0	*	60	55	-
	Donaghadee ...	30.14	57	N	5	C	30.10	+ .02	57	54	+ 3	WNW	3	0	1	60	53	-
	Liverpool (Bidston)	30.10	57	WNW	5	C	30.11	+ .08	56	57	+ 1	W	6	0	4	60	54	-
	Holyhead ...	30.15	58	NNW	2	C	30.16	+ .08	58	54	+ 4	WNW	4	0	3	62	53	-
	Parsonstown ...	30.23	59	Z	0	C	30.23	+ .06	56	52	+ 2	SW	1	0	*	63	49	-
	Valencia ...	30.31	59	NNW	2	0	30.31	+ .06	59	57	+ 3	W	2	0	3	62	50	-
	Roche's Point...	30.22	62	NNW	4	0	30.30	+ .12	53	50	- 2	NW	2	0	3	63	49	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.19	55	WNW	3	0	30.23	+ .11	55	52	+ 1	NW	4	0	3	58	53	-
	Scilly ...	30.22	58	NNW	4	C	30.27	+ .15	58	56	0	NNW	4	0	3	60	55	-
	Prawle Point ...	30.16	60	NNW	3	C	30.24	+ .15	58	55	- 1	NNW	1	0	0	67	48	-
	Jersey (St. Aubin's)	30.16	64	WNW	3	0	30.24	+ .18	59	65	- 1	NW	3	0	3	67	54	-
	Hurst Castle ...	30.12	63	NW	3	0	30.18	+ .11	57	55	- 1	WNW	2	0	1	67	51	-
	Dungeness ...	30.07	58	W	4	0	30.11	+ .11	58	58	+ 1	N	6	0	3	60	50	0.03
	London ...	30.08	59	N	1	0	30.14	+ .11	57	52	+ 3	WNW	2	0	*	62	48	0.02
	Oxford ...	30.13	57	WNW	3	0	30.15	+ .11	55	51	0	W	1	0	*	64	47	-
	Cambridge ...	30.07	58	NW	1	0	30.09	+ .05	58	53	+ 6	W	2	0	*	62	46	0.02
	Yarmouth ...	30.04	59	NNW	3	C	30.03	+ .08	56	53	+ 1	NW	4	0	3	60	50	-
PENINSULA.	Cuxhaven ...	29.78	57	WNW	6	0	29.85	+ .16	57	56	- 1	W	5	0	*	61	55	0.04
	Berlin ...	29.79	58	WNW	3	0	29.91	+ .16	56	53	- 3	W	4	0	*	64	52	0.08
	Wiesbaden ...	*	*	*	*	*	30.12	+ .19	57	54	+ 1	Z	0	0	*	68	52	-
	Munich ...	30.06	54	SW	6	0	30.15	+ .16	54	52	- 1	NW	3	0	*	64	50	0.04
	The Helder ...	30.01	55	NW	3	0	30.01	+ .12	59	57	+ 2	W	2	0	3	59	55	0.08
	Brussels (9 a.m.)	*	*	*	*	*	30.11	+ .15	55	54	- 2	SSW	2	0	*	63	51	0.04
	Cape Gris Nez	30.04	57	W	3	f	29.99	+ .03	55	52	- 2	WNW	4	0	4	59	52	0.04
	Paris ...	30.13	62	NNW	2	0	30.19	+ .17	58	?	+ 2	W	2	0	*	71	55	-
	Brest ...	30.25	61	N	4	0	?	?	57	56	0	NNW	1	0	1	66	55	-
	Lorient ...	30.17	64	N	4	0	30.30	+ .23	57	53	+ 5	NW	3	0	3	68	52	-
PENINSULA.	Rochefort ...	?	65	WNW	4	0	?	?	59	56	+ 1	NNW	4	0	2	72	55	-
	Belfort ...	30.03	63	W	3	C	?	?	56	50	- 3	W	3	0	*	72	45	-
	Lyons ...	30.04	62	WNW	3	0	30.17	+ .15	59	54	+ 1	N	3	0	*	71	53	-
	Nice ...	29.79	78	S	6	0	29.95	+ .11	67	59	+ 3	W	1	0	2	81	63	-
	Perpignan ...	30.20	62	W	3	0	30.01	0.00	65	57	+ 1	W	3	0	*	76	59	0.04
	Biarritz ...	30.17	65	NNW	4	0	30.27	+ .26	63	60	+ 5	NNW	5	0	5	68	58	-
	Corunna ...	*	*	*	*	*	30.21	- .03	67	57	+ 6	NNE	4	0	2	72	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, 7<sup>th</sup> August, 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

— = Rough. — = High.

### MEAN HEIGHT OF THE BAROMETER

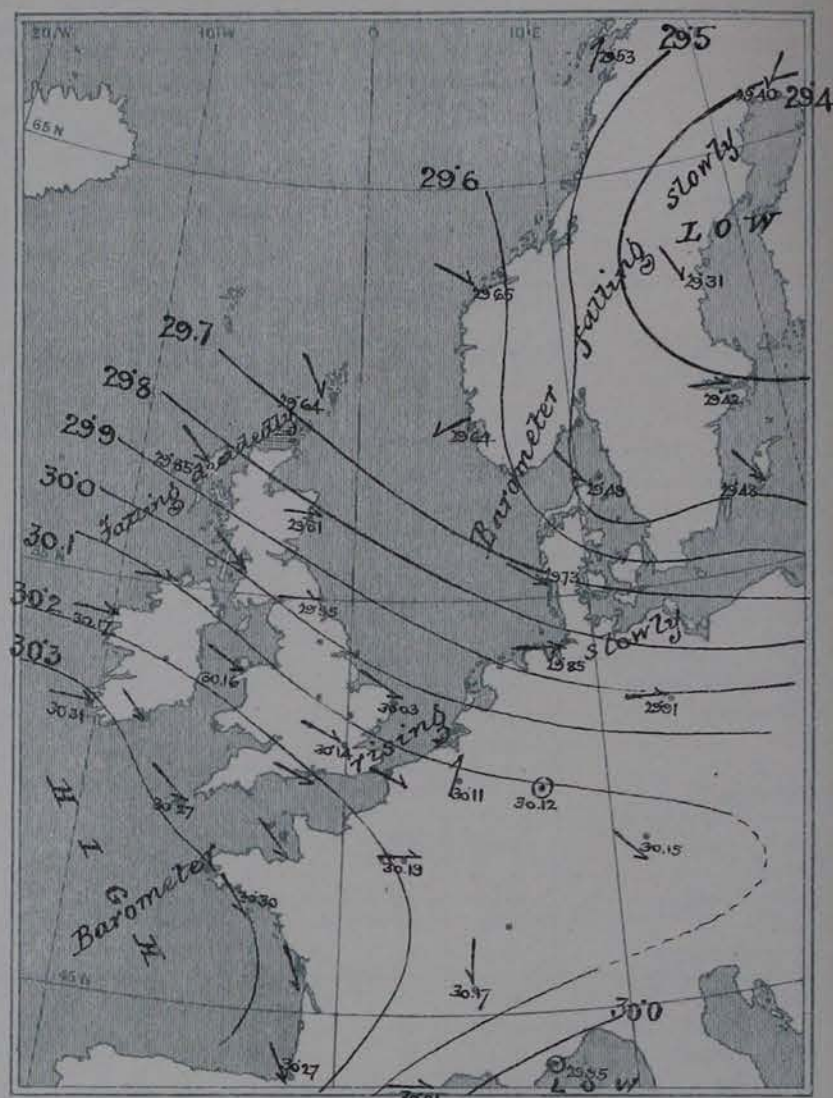
at 8.0 a.m. for the month of August

During the 20 Years: 1871—1890.

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.923
Ardrrossan	29.937
Mullaghmore	29.968
Donaghadee	29.979
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Sally	29.962
Prawle Point	29.975
Jersey	29.984
Hurst Castle	29.965
Dover	29.949
LONDON	29.954
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

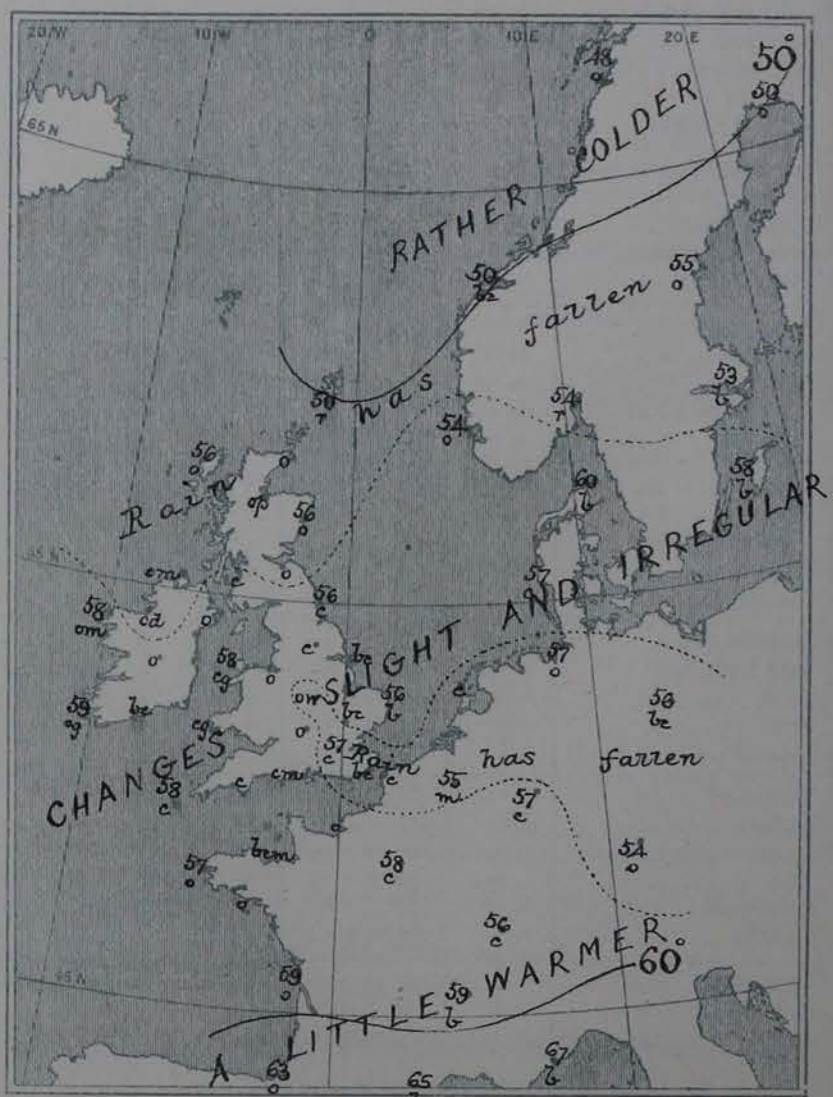
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	57.7	48.4	53.4	51.7	3.10
Stornoway	59.8	48.8	51.9	53.2	3.67
Wick	61.1	48.3	55.2	53.2	2.57
Nairn	63.4	50.3	55.5	52.7	2.75
Aberdeen	63.1	50.1	56.5	53.4	3.08
Leith	65.7	51.3	57.5	54.4	2.66
Shields	63.6	51.9	57.2	54.5	2.85
Spurn Head	64.3	55.0	58.8	56.6	1.86
York	67.9	51.3	57.7	55.0	2.54
Loughborough	70.4	51.8	59.3	56.9	2.53
Ardrrossan	63.6	52.8	57.2	51.8	3.78
Mullaghmore	63.3	53.8	57.3	54.5	3.65
Donaghadee	62.2	52.2	56.9	55.3	3.01
Holyhead	64.1	54.8	58.4	56.2	2.77
Liverpool	65.8	51.1	58.5	55.2	2.83
Parsonstown	66.0	51.4	57.3	55.2	3.33
Valencia	64.7	54.1	59.3	56.9	4.70
Roche's Point	66.1	53.8	58.9	56.3	3.62
Pembroke	63.2	55.0	58.6	56.5	2.77
Sally	64.9	57.0	60.9	58.8	2.39
Prawle Point	65.3	54.4	60.1	57.9	2.14
Jersey	68.8	57.1	62.8	59.6	2.24
Hurst Castle	68.1	55.9	61.0	58.9	2.28
Dover	67.1	56.7	62.0	58.6	2.04
LONDON	71.8	53.5	60.9	57.3	2.21
Oxford	69.3	53.0	58.8	56.0	2.24
Cambridge	71.3	51.8	60.0	57.1	2.19
Yarmouth	66.3	54.8	60.5	57.6	2.15

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 the central portion of which lay over the Bay of Biscay and the extreme south of Ireland.

Lowest 29.4 ins. and less in a depression lying over the Gulf of Bothnia.

Gradients moderate over the North Sea, Denmark and the Baltic, but slight elsewhere.

Barometer falling decidedly over the northern parts of the United Kingdom and slightly at some of the Scandinavian and Danish stations, but rising elsewhere.

## TEMPERATURE

Highest 67° at Nice and Lisbon, 65° at Perpignan, 63° at Biarritz, 60° at Skagen, and 59° at Jersey, the Helder, Rochefort and Lyons.

Lowest 48° at Bodø, 50° at Akerand, Christiansand & Lumburg Head, & 54° at Skudesnaes, Faerder & Loughborough.

The highest maxima registered over our Islands yesterday were 71° at Leith, & 69° at Braek P., Jersey & Hurst Castle; in London the thermometer did not exceed 62°.

## WIND

Chiefly W. or NW. and light or moderate in force, but fresh or strong at some of our northern stations.

In the west of Norway light variable breezes were reported.

## WEATHER

Cloudy or overcast in most parts of western Europe, but fine in the southeast of England and also in the south of Sweden.

Showers falling at some of our northern stations.

A little rain fell yesterday over Germany, the Netherlands and the southeast of England.

## SEA

moderate to smooth generally but rather rough at Wick.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further depressions are approaching our extreme northern coasts from the north-westward, and cloudy showery weather is likely to again spread southwards over the Kingdom.

## FORECASTS

For the 24 hours ending at NOON on 8<sup>th</sup> AUGUST 1891.

### DISTRICTS.

### FORECASTS.

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

W. and NW. winds, fresh or strong, squally, some rain.

W. to NW. winds, moderate, cloudy, showery

NW. to W. winds, moderate, cloudy, some showers.

### DISTRICTS.

### FORECASTS.

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

W. to NW. winds, fresh or strong, cloudy, showery.

NW. winds, moderate, fair to cloudy and showery.

Same as Nos. 6. and 7.

Same as No. 8.

### WARNINGS

None Issued.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.67	58	51	NW	8	c	5	Holyhead ...	30.14	60	55	NW	2	c	2
Sumburgh Head ...	29.84	57	52	WNW	3	r	3	Valencia ...	30.30	61	56	NNW	4	bcq	4
Stornoway ...	30.02	57	56	W	3	o	3	Scilly ...	30.22	59	57	N	4	bc	3
Aberdeen ...	29.96	61	54	WNW	4	cq	3	Jersey ...	30.13	67	60	WNW	3	bc	1
Shields ...	29.98	58	53	E	3	b	3	Dungeness ...	30.07	60	57	N	2	o	1
Ardrossan ...	30.05	60	58	W	5	o	4	London ...	30.07	61	57	Z	0	m	8
Malin Head ...	30.14	56	53	NW	3	o	2	Yarmouth ...	30.03	58	53	NNW	4	c	4
Mullaghmore ...	30.22	57	53	NW	5	eg	2	Rochefort ...	30.01	70	63	WNW	3	bc	2
Belmullet ...	30.24	59	56	NW	1	o	*								

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

Weather in morning fine and bright over central and southern Russia, and in some parts of Germany and France, cloudy and unsettled everywhere else, with rain in several localities, but less disturbed over the British Isles than of late. Rain recommencing in Scotland later, and further falls of rain over northern and central Europe (Newspaper report heavy rain storms in Austria).

Temperature falling over Sweden, northern and central Europe, and low generally for time of year except in the extreme south and southeast. Morning readings 70° and more at most Mediterranean stations and over Hungary and southern Russia (80° and more at La Cella, Laxa, Brindisi and Constantinople); below 60° over all the central and northern countries and as low as 51° in the Shetlands and northwest of Norway and also at Loughborough, 51° at St. Petersburg and Cambridge, 53° at Nairn, 54° at Malin Head, Holyhead and in London, 55° at Munich, 56° at Paris. Not touching 70° in our Islands later (except at Leith) or in Germany and barely exceeding that value even in the south of France and at Lisbon.

Wind mainly N<sup>2</sup> to NW<sup>2</sup> over the British Islands and northwestern Europe, and blowing strongly on the eastern side of the North Sea; W<sup>2</sup> to SW<sup>2</sup> over Germany and Austria, SW<sup>2</sup> over the Baltic, SE<sup>2</sup> over northern Russia. Very variable elsewhere, and generally light in force. Increasing to a gale from NNW at Skudesnaes during day and becoming variable over the northeast of England.

Barometer highest (1) 30.2 ins. and more to 30.0 ins. over the western parts of the British Islands, the Bay of Biscay, Portugal and Spain, with neighbouring parts of the Atlantic; (2) 30.0 ins. and more over the southern half of Russia and in Algeria. Lowest 29.5 ins. and less in a large complex depression over Sweden, Finland and the Baltic; 29.8 ins. and less in another (shallow one) over Italy and in a third (very shallow) one over Austria-Hungary. Rising throughout our Islands during day - but rise ceasing in north towards night.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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 8<sup>th</sup> August.* 1891.  
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																	
YESTERDAY EVENING.																	
8 A.M. TO DAY.																	
PAST 24 HOURS.																	
STATIONS.																	
BAROMETER.																	
SHADE TEMP.																	
WIND.																	
SEA.																	
SHADE TEMP.																	
Amount of Rainfall.																	
SCANDINAVIA.																	
Haparanda ...																	
Hernösand ...																	
Stockholm ...																	
Wisby ...																	
Bodö ...																	
Christiansund ...																	
Skudesnaes ...																	
Christiania Fjord (Færdar) ...																	
Skagen (The Scaw) ...																	
Fanö ...																	
Sumburgh Head ...																	
Stornoway ...																	
Wick ...																	
Nairn ...																	
Aberdeen ...																	
Leith ...																	
Shields ...																	
Spurn Head ...																	
York ...																	
Loughborough ...																	
Ardrossan ...																	
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Mullaghmore ...																	
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Parsonstown ...																	
Valencia ...																	
Roche's Point ...																	
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Scilly ...																	
Prawle Point ...																	
Jersey (St. Aubin's) ...																	
Hurst Castle ...																	
Dungeness ...																	
London ...																	
Oxford ...																	
Cambridge ...																	
Yarmouth ...																	
Cuxhaven ...																	
Berlin ...																	
Wiesbaden ...																	
Munich ...																	
The Helder ...																	
BRUSSELS (9 a.m.) ...																	
Cape Gris Nez ...																	
Paris ...																	
Brest ...																	
Lorient ...																	
Rochefort ...																	
Belfort ...																	
Lyons ...																	
Nice ...																	
Perpignan ...																	
Biarritz ...																	
CORTUNNA ...																	
Lisbon ...																	



# WEATHER CHARTS

for 8 a.m. on Saturday, 8<sup>th</sup> August, 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 show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

⊙ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

## MEAN HEIGHT OF THE BAROMETER

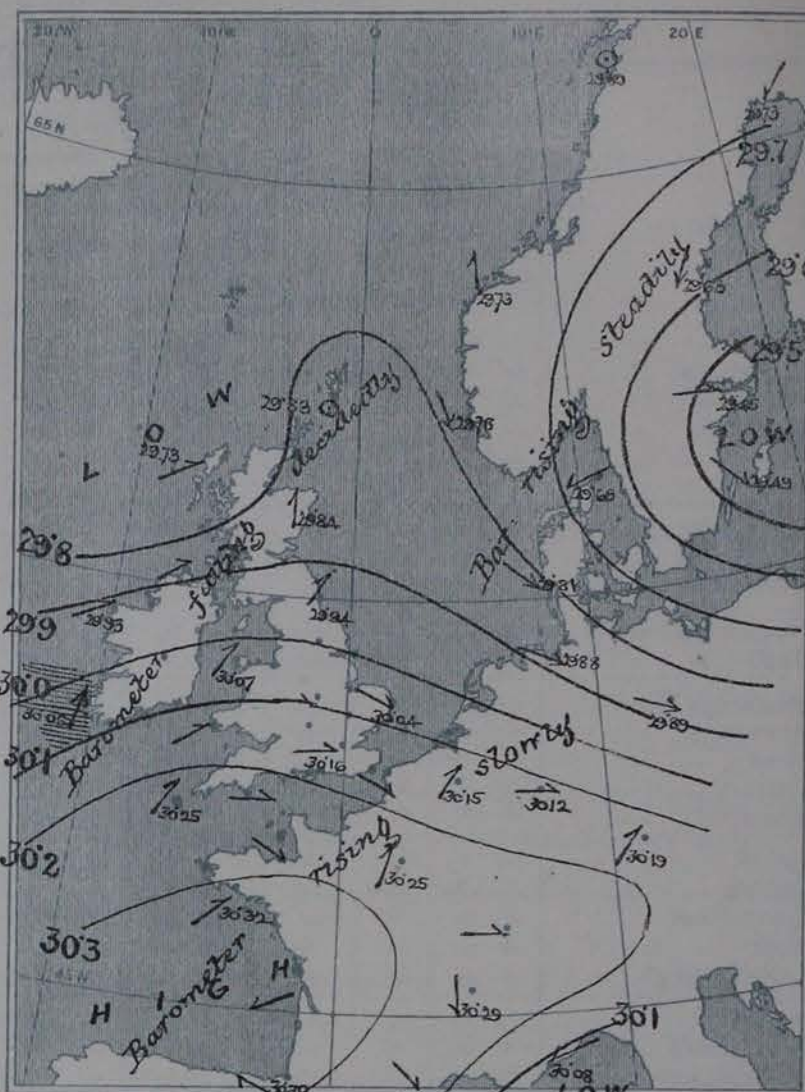
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During the 20 Years: 1871—1890.

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### MEAN READINGS.

STATIONS.	MEAN READINGS.
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Loughborough	29.923
Ardrossan	29.937
Mullaghmore	29.968
Donaghadee	29.979
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Scilly	29.962
Prawle Point	29.975
Jersey	29.981
Hurst Castle	29.985
Dover	29.919
LONDON	29.954
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

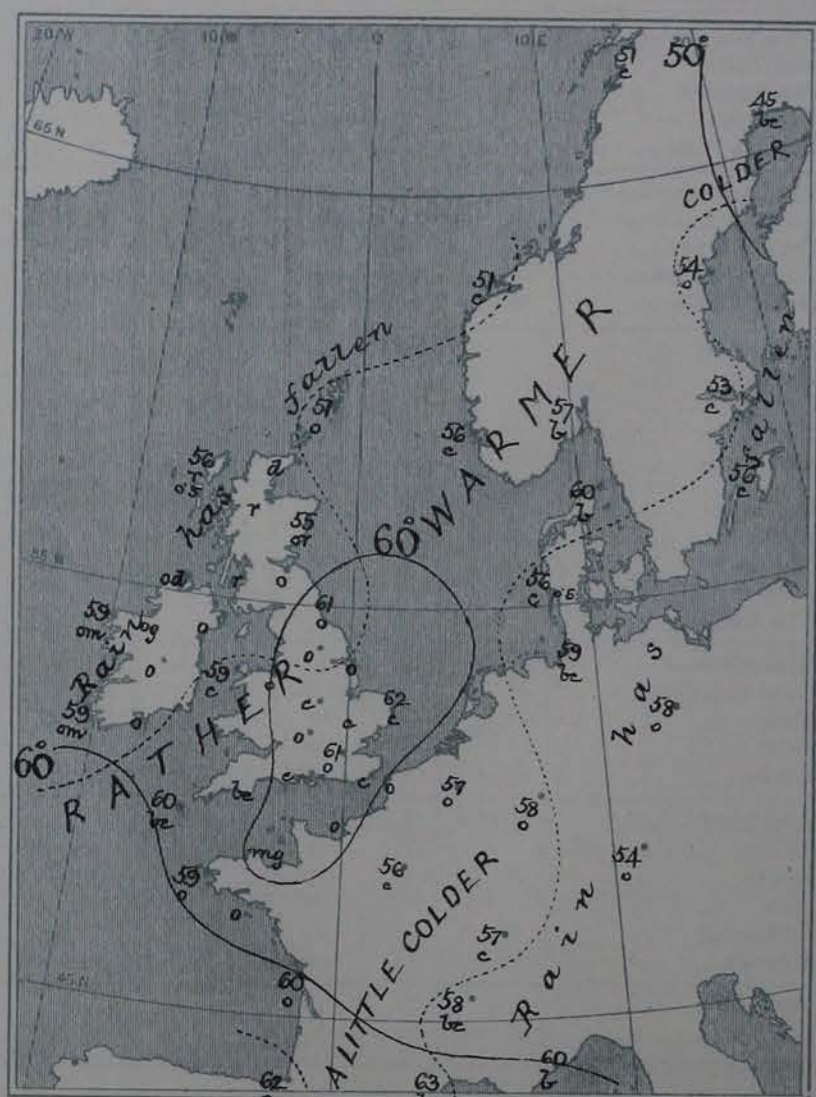
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	at 8 a.m. Wet.	
Sumburgh Head	57.7	48.4	53.4	51.7	3.16
Stornoway	59.8	48.8	54.9	53.2	3.07
Wick	61.1	48.9	55.2	53.2	2.57
Nairn	63.4	50.3	55.5	52.7	2.75
Aberdeen	63.1	50.1	56.5	53.4	3.03
Leith	65.7	51.3	57.5	54.4	2.56
Shields	63.6	51.9	57.2	54.5	2.85
Spurn Head	61.3	50.0	58.8	56.6	1.86
York	67.0	51.3	57.7	55.0	2.51
Loughborough	70.4	51.8	59.3	56.9	2.53
Ardrossan	63.6	52.8	57.2	54.8	3.78
Mullaghmore	63.3	53.8	57.3	54.5	3.65
Donaghadee	62.2	52.2	56.9	55.3	3.01
Holyhead	64.1	54.8	58.4	56.2	2.77
Liverpool	65.8	54.1	58.5	55.2	2.83
Parsonstown	66.0	54.4	57.3	55.2	3.38
Valencia	64.7	54.1	59.3	56.9	4.70
Roche's Point	66.1	53.8	58.9	56.3	3.62
Pembroke	63.2	55.6	58.6	56.5	2.77
Scilly	64.9	57.0	60.0	58.8	2.39
Prawle Point	65.3	54.4	60.1	57.9	2.14
Jersey	68.8	57.1	62.8	59.6	2.24
Hurst Castle	68.1	55.9	61.0	58.9	2.28
Dover	67.2	56.7	62.0	58.6	2.04
LONDON	71.8	53.5	60.9	57.3	2.21
Oxford	69.3	53.0	58.8	56.0	2.24
Cambridge	71.3	51.8	60.0	57.1	2.19
Yarmouth	66.3	54.8	60.5	57.6	2.15

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, in an anticyclone lying over the Bay of Biscay and western parts of France.  
 Lowest, 29.5 in: and less, in a depression lying over the northern part of the Baltic; 29.8 in: and less, in another system off the northwest of Scotland.  
 Gradients slight generally, but inclined to increase over our western coasts.  
 Barometer falling steadily in the west and north of our Islands, but rising elsewhere.

## TEMPERATURE

Highest, 70° at Fife, 63° at Perpignan, and 62° at Speen H<sup>ts</sup>, Leythborough, Cambridge, Yarmouth and Bournemouth.  
 Lowest, 45° at Haparanda, 51° at Bodø, Christiansund and Lumburg H<sup>ts</sup>, 52° at Wick, and 53° at Stockholm.  
 The highest maxima registered over our Islands yesterday were 68° at Leth and Donaghadee, and 67° at Shields and Cambridge.

## WIND

SW<sup>3</sup> in all the more western and northern parts of the United Kingdom; light or moderate in force generally, but strong at Valencia Island.  
 Moderate from W. over the eastern, central, and southern parts of England.  
 Strong from NW. on the eastern shores of the North Sea; light from the E<sup>nd</sup> in the west and south of France.

## WEATHER

Fine in the east and south of England, as well as in Norway, Denmark, and the east and south of France.  
 Dull elsewhere, with rain in Scotland and the extreme north of Ireland.  
 Since yesterday morning rain has fallen at most of our western and northern stations, the largest amount being 0.5 in: at Stromsøy.

## SEA

Moderate to smooth generally, but rough at Valencia Island.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The fall of the barometer is rather decided in the west of Ireland, and the new depressions which are beginning to approach our Islands from the Atlantic are probably larger and deeper than those observed of late. Unsettled weather is likely to spread eastwards over the greater part of the Kingdom.

## FORECASTS

For the 24 hours ending at NOON on 9<sup>th</sup> AUGUST 1891.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	SW <sup>2</sup> winds, freshening; unsettled, rain at times.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW <sup>2</sup> winds, moderate or fresh; cloudy, showery.
3	ENGLAND EAST	W <sup>2</sup> winds, moderate, to SW <sup>2</sup> , fresh; fair to dull and showery.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	SW <sup>2</sup> winds, freshening; cloudy, some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	SW <sup>2</sup> to W <sup>2</sup> winds, strong; dull, some rain.
10	IRELAND SOUTH	

### WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

THER: WIND								THER: WIND							
BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA	
Skudesnaes ...	28.62	59	52	NW	4	C	3	Holyhead ...	30.14	60	57	WSPW	4	C	3
Sumburgh Head	27.74	56	54	NB	3	C	4	Valencia ...	30.30	63	61	WSPW	4	C	4
Stornoway ...	27.90	60	59	NW	4	0	4	Scilly ...	30.30	61	52	NW	4	bc	3
Aberdeen ...	27.83	65	56	WNW	6	bcy	4	Jersey ...	30.25	63	56	WNW	3	bc	3
Shields ...	27.92	64	60	W	4	0	3	Dungeness ...	30.10	62	57	W	5	C	4
Ardrossan ...	27.99	60	53	WNW	4	0	3	London ...	30.11	63	56	WNW	3	C	*
Malin Head	30.04	58	57	W	4	0	3	Yarmouth ...	30.01	63	57	WNW	4	6	3
Mullaghmore	30.14	60	59	WSPW	6	0 m	4	Rochefort ...	30.26	65	58	WNW	5	6	2
Belmullet ...	30.15	60	60	W	4	0 m	*								

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

The Continental Information will appear in Sunday'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 Sunday 9<sup>th</sup> August. 1891.  
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 1.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.76	43	W	1	bc	29.82	+0.06	51	?	+6	SW	1	bc	*	53	41	—
	Hernösand ...	29.80	52	NNE	4	0	29.86	+0.06	51	?	+3	N	2	bc	*	63	48	—
	Stockholm ...	29.67	56	N	4	C	29.78	+0.11	55	?	+2	N	4	0	*	64	48	0.04
	Wisby ...	29.65	63	NNW	8	C	29.76	+0.11	58	?	+2	NNW	6	0	*	63	48	0.12
	Bodö ...	29.83	54	2	0	6	29.84	+0.01	52	50	+1	N	1	6	1	59	45	—
	Christiansund	29.75	56	NE	3	bc	29.68	-0.07	57	52	+6	ENE	1	C	1	57	57	—
	Skudesnaes ...	29.78	53	NW	1	0	29.65	-0.13	57	53	+4	SE	4	7	4	58	50	—
	Christiania Fjord (Færder)	29.74	63	WNW	3	C	29.76	+0.02	60	55	+5	SE	4	C	3	64	57	—
	Skagen (The Seaw)	29.75	58	WNW	1	0	29.74	+0.01	58	54	-2	S	2	0	1	72	54	—
	Fanö ...	29.85	56	2	0	7	29.75	-0.10	59	58	+3	WNW	4	7	*	61	54	0.29
BRITISH ISLANDS.	Sumburgh Head	29.66	51	SE	3	7	29.53	-0.13	52	52	+1	ENE	5	7	5	53	49	1.20
	Stornoway ...	29.68	59	SW	3	0	29.65	-0.03	57	56	+1	W	2	0	3	65	53	0.02
	Wick ...	29.67	60	S	1	C	29.63	-0.04	57	56	+5	WNW	4	C	2	65	52	0.24
	Nairn ...	29.67	63	W	1	6	29.64	-0.03	57	54	-1	W	1	bc	1	69	51	0.02
	Aberdeen ...	29.69	65	SW	1	C	29.65	-0.04	62	56	+7	S	1	bc	1	68	51	0.35
	Leith ...	29.77	62	WNW	3	0	29.67	-0.10	60	60	+1	2	0	7	*	65	56	0.09
	Shields ...	29.83	62	SWW	4	0	29.72	-0.11	62	57	+1	SWW	2	C	2	65	58	0.28
	Spurn Head ...	29.53	65	WNW	5	C	29.80	+0.27	59	57	-2	SWW	4	0	3	67	55	0.10
	York ...	29.53	63	WNW	3	0	29.78	+0.25	61	57	0	SWW	1	0	*	65	53	0.32
	Loughborough	30.02	64	WNW	3	0	29.84	-0.18	58	57	-4	SW	3	0	*	68	56	0.13
GERMANY & HOLLAND.	Ardrossan ...	29.82	60	SWW	2	C	29.66	-0.16	57	56	0	SWW	3	0	3	62	55	0.40
	Malin Head ...	29.82	58	WNW	3	0	29.68	-0.14	56	53	-3	WNW	2	0	2	62	55	0.31
	Mullaghmore ...	29.85	62	SW	3	0	29.70	-0.15	58	57	-3	SW	2	0	2	63	56	0.19
	Belmullet ...	29.85	60	WNW	2	0	29.72	-0.13	59	58	0	WNW	2	0	*	61	56	0.07
	Donaghadee ...	29.85	66	W	3	C	29.70	-0.15	61	60	+1	WNW	2	C	0	68	59	0.03
	Liverpool (Bidston)	29.54	57	SW	5	7	29.75	+0.21	57	58	-1	SE	1	7	2	67	56	0.12
	Holyhead ...	29.54	57	SW	5	7	29.74	+0.20	57	57	-2	SWW	3	7	3	64	55	0.70
	Parsonstown ...	29.91	63	2	0	0	29.75	-0.16	57	56	-3	2	0	0	*	63	55	0.73
	Valencia ...	29.94	61	WNW	3	0	29.81	-0.13	60	58	+1	WNW	3	0	4	62	56	0.69
	Roche's Point...	29.77	59	WNW	5	7	29.80	+0.03	58	56	-1	WNW	2	C	3	60	56	0.60
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.06	58	SWW	4	7	29.77	-0.29	58	58	0	SWW	5	7	5	61	55	0.72
	Scilly ...	30.15	61	SWW	4	C	29.87	-0.28	61	59	+1	SWW	5	7	5	66	57	0.26
	Prawle Point ...	30.17	58	W	2	C	29.93	-0.24	57	56	-2	SW	5	0	4	66	54	—
	Jersey (St. Aubin's)	30.23	64	W	3	C	30.05	-0.18	60	56	-1	SWW	3	bc	3	65	57	—
	Hurst Castle ...	30.14	60	WNW	6	C	29.97	-0.17	58	58	-3	SW	7	C	3	66	57	0.06
	Dungeness ...	30.09	61	W	6	C	29.97	-0.12	60	56	-1	WNW	6	C	4	67	59	—
	London ...	30.09	65	WNW	2	0	29.92	-0.17	59	57	-2	SWW	3	0	*	72	56	—
	Oxford ...	30.09	58	SW	2	7	29.90	-0.19	57	56	-4	SW	2	7	*	69	55	0.14
	Cambridge ...	30.07	65	SW	1	C	29.87	-0.20	59	53	-3	SW	1	7	*	72	54	0.10
	Yarmouth ...	30.00	67	W	3	C	29.89	-0.11	59	57	-3	WNW	4	C	3	70	55	0.07
PENINSULA.	Cuxhaven ...	29.88	59	W	1	7	29.90	+0.02	60	57	+1	WNW	2	7	*	60	58	0.40
	Berlin ...	30.00	61	WNW	4	C	29.97	+0.03	61	59	+3	WNW	4	0	*	64	57	0.12
	Wiesbaden ...	*	*	*	*	*	30.12	0.0	60	57	+2	W	2	0	*	68	58	—
	Munich ...	30.25	55	NW	2	6	30.21	+0.04	57	55	+3	SE	1	bc	*	63	45	—
	The Helder ...	30.02	61	SW	2	C	29.93	-0.09	60	58	-3	WNW	4	C	3	61	59	0.12
	Brussels (9 a.m.)	*	*	*	*	*	30.06	-0.03	61	55	+4	SW	3	C	*	67	54	0.04
	Cape Gris Nez	30.12	61	SW	4	C	30.00	-0.12	59	56	0	SW	5	0	5	64	54	—
	Paris ...	30.22	65	S	2	bc	30.12	-0.10	56	54	0	S	2	6	*	69	50	—
	Brest ...	?	64	W	2	bc	?	?	59	57	0	SW	3	C	3	68	54	—
	Lorient ...	30.25	62	SWW	2	C	30.08	-0.17	60	54	+3	SW	2	0	2	68	54	—
PENINSULA.	Rochefort ...	30.21	65	WNW	3	6	?	?	59	55	-1	ENE	3	6	2	75	54	—
	Belfort ...	?	58	W	3	bc	?	?	57	54	0	W	3	bc	*	67	41	—
	Lyons ...	30.23	64	N	3	6	30.18	-0.05	60	55	+2	E	1	6	*	71	49	—
	Nice ...	30.10	69	SW	3	6	30.13	+0.03	67	56	+7	ENE	1	6	1	81	59	—
	Perpignan ...	30.18	72	NW	2	6	30.15	-0.03	64	59	+1	2	0	6	*	78	55	—
	Biarritz ...	30.25	69	NNE	3	6	30.12	-0.13	59	56	-3	SE	3	6	1	75	54	—

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

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







# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 30.1 ins. to 30.2 ins. in an anticyclone lying over south Germany and the greater part of France.  
Lowest 29.6 ins. and less in a depression lying off the north of Scotland. Secondary disturbances are advancing over our western coasts.

Gradients slight generally and rather irregular. Barometer falling at all but the Swedish stations, <sup>W. and S.W. of England</sup> most in the

## TEMPERATURE

Highest 71° at Lisbon, 67° at Nice, 64° at Perpignan, 62° at Aberdeen and Shields, and 61° at York, Donaghadee, Berlin and Brussels.

Lowest 50° at Haparanda, 51° at Hernösand, 52° at Bodö and Lumburgh Head, 55° at Stockholm, 56° at Malin Head & Paris. The highest maxima registered over our Islands yesterday were 72° in London, 6° at Cambridge, 67° at Yarmouth.

## WIND

SW<sup>3</sup> over the greater part of our Islands as well as over Denmark, the Netherlands and the north of France, fresh or strong in force on our south coasts. SE<sup>3</sup> or E<sup>3</sup> in Norway and also over the southern parts of France; N<sup>4</sup> in Sweden.

## WEATHER

Fine over the central parts of Scotland and also in France and the north of Scandinavia, cloudy or overcast elsewhere with rain in many parts of England as well as at Leith and some of the Norwegian and Danish stations.

Large quantities of rain have fallen in the west and north, the heaviest amounts of all being 1.2 ins. at Lumburgh Head, and 0.7 ins. at Holyhead, Parsonstown, Valencia and Pembroke.

## SEA

Rather rough at some of the Channel stations, as well as at Lumburgh Head, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS

For the 24 hours ending at NOON on 10<sup>TH</sup> AUGUST. 1891.

### DISTRICTS.

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

### FORECASTS.

NONE ISSUED

### DISTRICTS.

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

### WARNINGS

### FORECASTS.

NONE ISSUED

NONE ISSUED

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND				SEA			BAR:	THER:		WIND				SEA		
		D.	W.	D.	F.	WEA.						D.	W.	D.	F.	WEA.				
Skudesnaes ...	29.82	58	50	WNW	4	C		2			Holyhead ...	30.00	60	57	SW	6	20pm		5	
Sumburgh Head ...	29.76	58	50	SE	2	0		3			Valencia ...	29.97	62	61	WNW	4	0		5	
Stornoway ...	29.70	64	62	SW	4	6c		4			Scilly ...	30.19	65	62	SW	4	C		4	
Aberdeen ...	29.75	67	63	SW	3	6c		2			Jersey ...	30.27	64	60	W	3	C		3	
Shields ...	29.91	63	62	SW	3	0		2			Dungeness ...	30.13	64	61	W	5	C		3	
Ardrossan ...	29.84	62	57	SW	3	0		3			London ...	30.12	70	63	WNW	2	0		8	
Mulin Head ...	29.83	60	58	W	5	0		3			Yarmouth ...	30.04	70	62	WNW	4	6c		3	
Mullaghmore ...	29.91	61	60	WNW	1	0m		2			Rochefort ...	?	73	64	NW	3	6		2	
Belmullet ...	29.93	60	60	WNW	3	0		*												

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

Weather fine in the south and southeast of England as well as over Norway, Denmark and the greater part of southern and eastern Europe. Dull elsewhere, with rain in Scotland and the extreme north of Ireland unsettled rainy weather spreading later to all parts of the United Kingdom as well as to the Netherlands; rain also falling over Finland and the Baltic provinces, - heavily (1.97 inches) at Hango.

Temperature highest 80° at Brindisi, 79° at Constantinople and Malta and 76° at La Caille; above 70° at several of the Mediterranean stations but below 65° in the Riviera. Lowest 45° at Haparanda, 46° at Archangel, 48° at Kuopio, and 49° at Uleaborg; below 55° in most parts of Scandinavia and northern Russia, as well as in the extreme north of Scotland; below 60° over the whole of Central Europe. Daily maxima below 70° in most parts of the United Kingdom but thermometer exceeding that point in France and exceeding 80° over the greater part of southern Europe; the highest reading of all being 93° at Brindisi.

Wind SW<sup>2</sup> in all the more western and northern parts of the United Kingdom; light or moderate in force generally but strong at Valencia Island. Moderate from the W<sup>2</sup> over the eastern, central and southern parts of England, as well as over Germany and the Netherlands; strong from the NW<sup>2</sup> on the eastern shores of the North Sea; NE<sup>2</sup> over the northern parts of Finland and Sweden. Light from E. in the west of France, from NE. in Spain and Algeria and from N. or NW in Italy. Wind subsequently increasing to a strong breeze from between N. and W. in Italy; no important change occurring elsewhere.

Barometer highest 30.3 ins. and upwards in an anticyclone lying over the Bay of Biscay and the west of France. Lowest 29.5 ins. and less in two depressions, - one lying over northern Russia, near Archangel, the other over the northern parts of the Baltic, 29.7 ins. and less in a third system lying off the northwest of Scotland. Two first named depressions subsequently filling up; disturbance off our own north-west coast spreading eastwards and southwards over all the more northern parts of the Kingdom.

### General Remarks on the Weather over Europe for the 24 hours ended at 8 a.m. Aug. 8<sup>th</sup>

Weather cloudy or overcast over the greater part of the Continent, but fine in the southeast of England, as well as in Austria, Spain, and the southern part of Sweden and France. Showers falling over the northern part of the United Kingdom. Slightly clearing later in many parts of our Islands and France but rain setting in at night over all our more western and northern districts.

Temperature highest 85° at Brindisi, 81° at Palermo, Constantinople, and Aumale, and 79° at Fez and Malta; above 70° at most of the Adriatic and Mediterranean stations. Lowest 48° at Rodo, 50° at Haparanda, Christiansund and Sumburgh 56°, and 54° at Archangel, Skudsmo, Trander, Loughor, Warsaw, Ragu, and Munich; below 60° in nearly all parts of northwestern, northern, and central Europe. Daily maxima over our Islands rather higher than of late, but thermometer remaining below 70° generally. Exceeding 70° in the south of France, and reaching 84° at Lisbon.

Wind light to fresh from the W<sup>2</sup> or NW<sup>2</sup> over the greater part of western, northern, and central Europe, but SW<sup>2</sup> over Northern Russia, and NE<sup>2</sup> in the north of Sweden. Light or moderate from the NE<sup>2</sup> in Spain, and from the N<sup>2</sup> (NE. to NW) over Italy. Chiefly SE<sup>2</sup> in Algeria. Subsequently backing to the SW<sup>2</sup> of W. on the extreme west coasts of our Islands.

Barometer highest 30.3 ins. and upwards, in an anticyclone the central portion of which lay over the Bay of Biscay and the extreme south of Ireland. Lowest 29.3 ins. and less, in two depressions lying respectively over Finland and over the extreme north of Russia - to the eastward of the White Sea; 29.6 ins. and less, in another disturbance lying near the Shetlands; 30.0 ins. and less, in a well marked system lying over Central Spain. Depressions near Shetlands subsequently moving east-south-eastwards, but new disturbances beginning to approach the Irish and Scotch coasts from the westward.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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„ Weekly „ „ „ „ £1 10 0 „



# DAILY WEATHER REPORT.

for *Monday, 10<sup>th</sup> August, 1891.*  
 Issued by the Meteorological Office, 63, Victoria Street, London. *R. H. SCOTT, Secretary.*

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.			BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.			
				Force.	Dir.		Reading	Difference	Dry.	Wet.	Difference	Dir.	Force.			Max.	Min.		Amount
		at 32° F. and Sea Level.	Dry.	Dir.	(0 to 12.)	Weather.	at 32° F. and Sea Level.	from 8 a.m. yesterday.	Dry.	Wet.	from 8 a.m. yesterday.	Dir.	Force.	Weather.	Sea.	Max.	Min.	of Rainfall.	
SCANDINAVIA.	Haparanda ...	29.82	50	Z	0	b	29.83	+0.01	58	54	+2	E	2	C	*	64	54		
	Hernösand ...	29.89	49	Z	0	b	29.89	+0.03	55	48	+4	S	2	C	*	66	41		
	Stockholm ...	29.88	54	E	2	c	29.88	+0.10	58	51	+3	ESE	2	C	*	63	50		
	Wisby ...	29.87	56	SE	4	bc	29.83	+0.07	58	51	0	SE	4	C	*	64	54		
	Bodö ...	29.82	54	Z	0	b	29.82	-0.02	53	50	+1	N	1	C	0	55	45		
	Christiansund	29.63	60	SE	2	C	29.67	-0.01	60	56	+3	ESE	2	C	1	66	57		
	Skudesnaes ...	29.66	59	S	1	O	29.58	-0.07	59	58	+2	NNE	3	T	3	61	55	0.32	
	Christiania Fjord	29.77	61	E	9	C	29.68	-0.08	57	56	-3	ESE	5	T	3	64	55	2.68	
	(Fæder)																		
	Skagen (The Scaw)	29.70	60	SE	4	T	?		60	58	+2	S	3	T	2	61	57	0.16	
Fanö ...	29.76	59	SW	4	O	29.62	-0.13	60	58	+1	SW	5	C	*	61	55	0.43		
BRITISH ISLANDS.	Sumburgh Head	29.61	54	NE	3	C	29.68	+0.15	53	52	+1	NW	2	C	4	56	45	0.01	
	Stornoway ...	29.68	54	E	3	O	29.81	+0.16	53	51	-4	NE	3	bc	3	59	45	0.01	
	Wick ...	29.67	52	N	2	O	29.75	+0.12	52	51	-5	N	4	Op	2	59	42	0.02	
	Nairn ...	29.65	56	E	2	O	29.78	+0.14	54	51	-3	N	1	bc	1	65	47	0.01	
	Aberdeen ...	29.61	56	N	2	O	29.75	+0.10	52	49	-10	NW	4	Cq	3	64	49	0.39	
	Leith ...	29.58	60	WSW	1	C	29.77	+0.10	61	55	+1	NW	1	C	*	61	51	0.62	
	Shields ...	29.57	58	SSW	2	O	29.72	-0.00	53	52	-9	NW	3	O	3	65	50	0.35	
	Spurn Head ...	29.62	61	SW	4	bc	29.71	-0.09	58	57	-1	WSW	3	Od	3	62	55	0.16	
	York ...	29.61	60	?	?	O	29.73	-0.05	59	56	-2	NW	1	O	*	62	53	0.24	
	Loughborough	29.71	62	WSW	3	b	29.77	-0.07	59	56	+1	W	3	CW	*	64	56	0.33	
GERMANY & HOLLAND.	Ardrossan ...	29.63	60	SSW	2	O	29.78	+0.12	58	55	+1	WSW	3	C	2	61	54	0.37	
	Malin Head ...	29.67	58	W	2	O	29.83	+0.15	56	55	0	NW	3	Op	2	61	54	0.01	
	Mullaghmore ...	29.70	59	NW	2	C	29.90	+0.20	57	55	-1	NW	6	Cq	4	63	55	0.04	
	Belmullet ...	29.73	60	NW	2	O	29.97	+0.25	56	56	-3	NW	2	O	*	63	55	0.01	
	Donaghadee ...	29.66	57	E	2	T	29.83	+0.13	57	56	-4	NE	4	C	2	61	55	0.21	
	Liverpool (Bidston)	29.69	61	W	3	C	29.78	+0.03	57	55	-2	NW	4	O	3	63	57	0.51	
	Holyhead ...	29.70	61	SSW	3	C	29.83	+0.09	57	56	0	NW	4	Cq	4	64	56	0.30	
	Parsonstown ...	29.72	61	Z	0	C	29.93	+0.15	58	56	+1	SW	2	O	*	65	55	0.36	
	Valencia ...	29.80	60	W	3	Oq	30.06	+0.25	58	56	-2	NW	4	Cq	4	63	56	0.09	
	Roche's Point...	29.76	62	NW	3	C	29.94	+0.14	59	56	+1	NW	4	b	3	65	55	0.45	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.78	59	SW	4	C	29.89	+0.12	57	56	-1	NW	4	C	4	60	56	0.32	
	Scilly ...	29.89	61	SW	4	C	29.96	+0.09	59	57	-2	NW	4	Cp	5	64	56	0.21	
	Prawle Point ...	29.67	57	SW	3	O	29.88	-0.05	60	59	+3	SW	4	bc	3	60	55	0.20	
	Jersey (St. Aubin's)	29.94	62	WSW	3	Omtg	29.93	-0.12	61	59	+1	WSW	5	Oq p	4	70	58	0.26	
	Hurst Castle ...	29.85	61	WSW	7	C	29.84	-0.13	60	59	+2	W	5	C	3	61	58	0.12	
	Dungeness ...	29.85	61	SW	6	T	29.82	-0.15	59	58	-1	W	4	C	3	64	56	0.11	
	London ...	29.79	60	SW	4	Or	29.82	-0.10	61	58	+2	WSW	3	C	*	62	54	0.11	
	Oxford ...	29.79	60	SW	3	C	29.81	-0.09	56	55	-1	WSW	2	T	*	61	54	0.16	
	Cambridge ...	29.80	58	SW	2	C	29.78	-0.11	60	58	+1	SW	2	O	*	61	54	0.14	
	Yarmouth ...	29.75	60	SW	4	C	29.74	-0.15	59	57	0	W	4	C	3	60	55	0.10	
PENINSULA.	Cuxhaven ...	29.88	59	W	3	O	29.73	-0.17	59	58	-1	SW	3	T	*	62	57	0.16	
	Berlin ...	29.95	63	SW	3	O	29.85	-0.12	61	59	0	SW	4	C	*	66	59	0.04	
	Wiesbaden ...	*	*	*	*	*	29.93	-0.19	60	58	0	W	2	bc	*	70	54		
	Munich ...	30.06	61	SE	2	bc	30.04	-0.17	59	53	+2	NW	4	b	*	70	50		
	The Helder ...	29.81	60	WSW	4	O	29.75	-0.18	60	59	0	NW	2	T	3	63	59	0.04	
	Brussels (8 a.m.)	*	*	*	*	*	29.87	-0.19	57	56	-4	SW	2	O	*	69	54	0.04	
	Cape Gris Nez	29.91	61	SW	5	O	29.83	-0.17	59	58	0	WSW	5	T	5	63	54		
	Paris ...	29.96	68	SSW	3	bc	29.98	-0.14	58	57	+2	SSW	2	C	*	75	53		
	Brest ...	?	58	SW	5	bc	?	?	58	57	-1	WSW	3	C	4	70	54	0.16	
	Lorient ...	30.01	60	WSW	3	O	30.02	-0.06	60	58	0	W	4	C	4	68	57	0.12	
FRANCE AND BELGIUM.	Rochefort ...	30.03	65	NW	3	bc	30.04	?	64	60	+5	NW	5	bc	2	73	59		
	Belfort ...	30.04	61	W	3	bc	30.04	?	59	52	+2	W	3	bc	*	73	46		
	Lyons ...	29.96	78	S	1	b	30.04	-0.14	64	56	+4	S	1	b	*	84	55		
	Nice ...	30.07	71	SW	4	b	30.06	-0.07	65	55	-2	Z	0	b	0	81	59		
	Perpignan ...	30.05	72	NE	2	b	30.09	-0.06	68	63	+4	W	1	b	*	76	61		
	Biarritz ...	30.06	70	NW	3	b	30.15	+0.03	66	63	+7	WSW	3	O	2	81	57		
PENINSULA.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Lisbon ...	29.96	71	N	6	b	30.06	+0.02	64	60	-7	N	5	b	3	90	63		



# WEATHER CHARTS

for 8 a.m. on Monday, 10<sup>th</sup> August, 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 show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shewn thus:

▨ = Rough, ▨ = High.

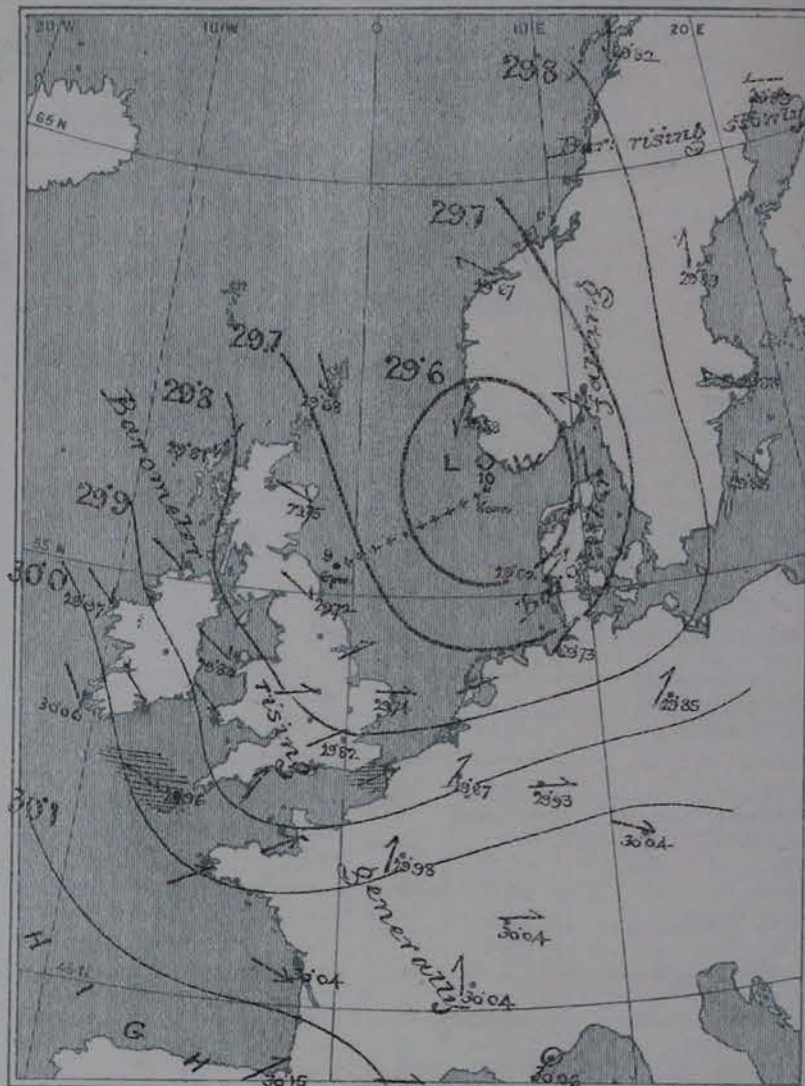
## MEAN HEIGHT OF THE BAROMETER

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

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.928
Ardrrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Scilly	29.962
Prawle Point	29.975
Jersey	29.984
Hurst Castle	29.965
Dover	29.949
LONDON	29.954
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

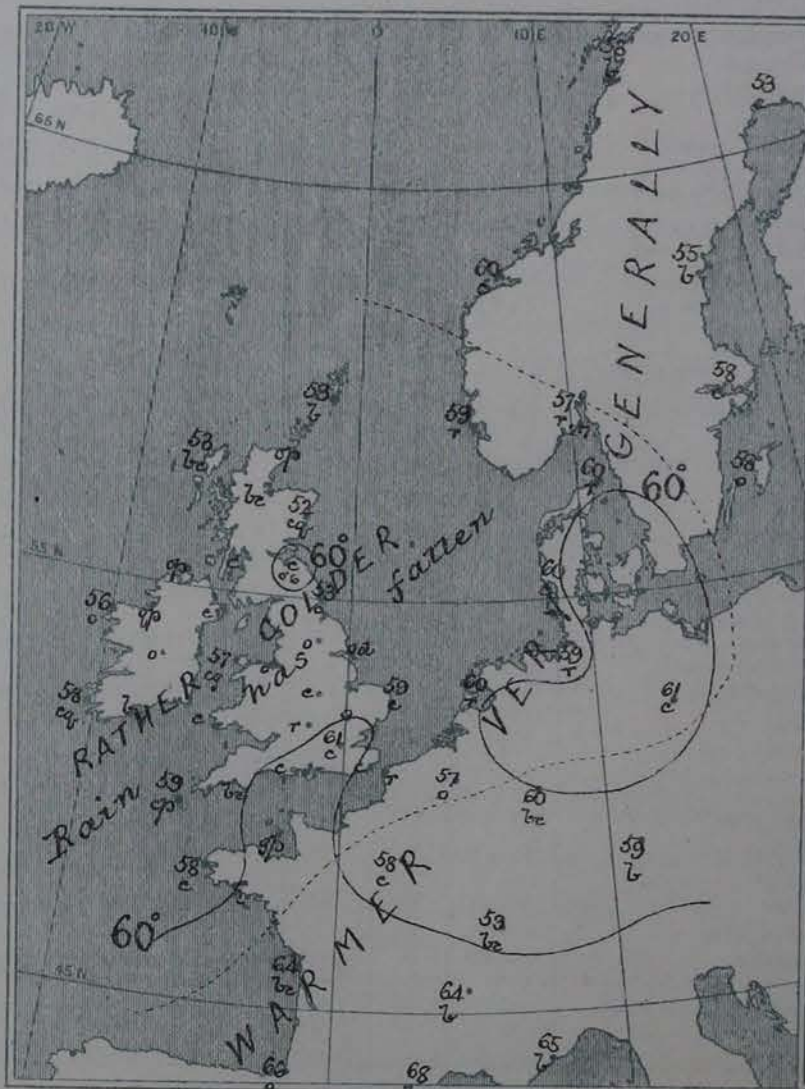
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.7	48.4	53.4	51.7	3.16
Stornoway .....	59.8	48.8	54.9	53.2	3.67
Wick.....	61.1	48.3	55.2	53.2	2.57
Nairn.....	63.4	50.3	55.5	52.7	2.75
Aberdeen.....	63.1	50.1	56.5	53.4	3.03
Leith.....	65.7	51.3	57.5	54.4	2.56
Shields.....	63.6	51.9	57.2	54.5	2.85
Spurn Head.....	64.3	55.0	58.8	56.5	1.86
York.....	67.9	51.3	57.7	55.0	2.54
Loughborough .....	70.4	51.8	59.3	56.9	2.53
Ardrrossan .....	63.6	52.8	57.2	54.8	3.78
Mullaghmore .....	63.3	53.8	57.3	54.5	3.65
Donaghadee.....	62.2	52.2	56.9	55.3	3.04
Holyhead.....	64.1	54.8	58.4	56.2	2.77
Liverpool.....	65.8	54.1	58.5	55.2	2.83
Parsonstown .....	66.0	51.4	57.3	55.2	3.38
Valencia.....	64.7	54.1	59.3	56.9	4.70
Roche's Point.....	66.1	53.8	58.9	56.3	3.62
Pembroke.....	63.2	55.6	58.6	56.5	2.77
Scilly.....	64.9	57.0	60.9	58.8	2.30
Prawle Point.....	65.3	54.4	60.1	57.9	2.14
Jersey.....	68.8	57.1	62.8	59.6	2.24
Hurst Castle .....	68.1	55.9	61.0	58.9	2.28
Dover.....	67.2	56.7	62.0	58.6	2.04
LONDON.....	71.8	53.5	60.9	57.3	2.21
Oxford.....	69.3	53.0	58.8	56.0	2.24
Cambridge.....	71.3	51.8	60.0	57.1	2.19
Yarmouth.....	66.3	54.8	60.5	57.6	2.15

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest 30.1 ins. and upwards over Spain, the southwest of France and the southern part of the Bay of Biscay.</p> <p>Lowest 29.6 ins. and less in a shallow depression lying off the south of Norway.</p> <p>Gradients slight. Barometer falling in Denmark, Germany, the Netherlands and the south of Norway, but rising elsewhere.</p>
TEMPERATURE	<p>Highest 68° at Perpignan, 66° at Biarritz, 65° at Nice, 64° at Rochefort, Lyons and Lisbon, and 61° at Leith, Jersey, London and Berlin.</p> <p>Lowest 52° at Wick and Aberdeen, 53° at Haparanda, Porto, Sumburg H., Stornoway &amp; Shields, &amp; 54° at Naism.</p> <p>The highest maxima registered over our islands yesterday were 70° at Jersey, and 65° at Naism, Shields and Parsonstown; in London the thermometer did not rise above 62°.</p>
WIND	<p>Light or moderate from the N.W. and in the western and northern parts of the United Kingdom generally, but N.W. or N.E. in the extreme north of Scotland.</p> <p>Moderate from the W. over France and the greater part of England.</p> <p>S.W. over Denmark, Germany and the Netherlands, S.E. or E. in Scandinavia.</p>
WEATHER	<p>Changeable and showery over the greater part of the United Kingdom; rainy in the Netherlands &amp; south of Norway.</p> <p>Fine in the north of Scandinavia, as well as in Germany and the east and south of France.</p> <p>Rain fell yesterday over the entire Kingdom, the largest amounts being 0.6 in. at Leith, and 0.5 ins. at Liverpool and Roches Point.</p>
SEA	<p>Moderate to smooth generally, but rather rough at Scilly and Cape Gris Nez.</p>

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Although the barometer is at present rising in most parts of our islands the distribution of pressure is somewhat irregular, shallow local disturbances being shown over our western and northern districts. Showery weather seems likely to continue over England for a time with thunder in some places.

## FORECASTS

For the 24 hours ending at NOON on 11<sup>TH</sup> AUGUST 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW <sup>2</sup> and N <sup>2</sup> winds, light; changeable, some showers.	6 SCOTLAND WEST	NW <sup>2</sup> winds, moderate, fair generally, but local showers.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	Same as No. 5.	8 ENGLAND S.W.	
3 ENGLAND EAST		9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	None Issued.
5 ENGLAND SOUTH	W <sup>2</sup> to NW <sup>2</sup> winds, moderate; changeable, some showers, thunder locally.	WARNINGS	

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.65	60	58	SSW	4	7	3		Holyhead ...	29.72	63	60	SW	3	3
Sumburgh Head									Valencia ...						
Stornoway ...	29.66	56	56	E	3	7	3		Scilly ...						
Aberdeen ...									Jersey ...	29.97	67	61	SSW	4	3
Shields ...									Dungeness ...	29.91	63	58	WSW	6	4
Ardrossan ...									London ...						*
Malin Head ...	29.67	60	58	W	2	0	1		Yarmouth ...						
Mullaghmore ...									Rochefort ...	30.08	69	62	NNW	3	2
Belmullet ...	29.71	63	61	WSW	2	C	*								

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

Weather—rainy over the greater parts of England, Holland, and Germany, as well as over the Netherlands, the south of Norway, Denmark and the Baltic Provinces; dull in Ireland and the west of Scotland and also at most of the Russian stations. Fine and bright over France and southern and eastern Europe as well as over the central parts of Scotland. Rain falling during day over the whole of the United Kingdom, the largest amounts being 0.6 inch at Leith, and 0.5 inch at Liverpool and Roche's Point; as much as 2.7 inches reported next morning at Fastnet.

Temperature, highest 79° at Brindisi, 78° at Constantinople, 77° at Malta and 75° at Barcelona; above 70° at many of the Adriatic and Mediterranean stations. Lowest 41° at Archangel, 45° at Kuspio, 47° at Ulenborg and 55° at Tsaparanda; below 55° over the northern parts of Scandinavia and Russia generally, below 60° in many parts of the United Kingdom. Daily maxima below 65° at nearly all our own stations, but thermometer reaching 70° in some parts of Germany and exceeding 80° in the south of France.

Wind, S.W. over the greater part of our islands as well as over Denmark, Germany, the Netherlands and the north of France;—fresh or strong in force on our southern coasts; S.E. or E. in Norway. N.E. over Northern Russia, N. in Sweden, N.W. in the west and south of Russia. Light from the North in Italy and from the north-east over Spain and Algeria. Subsequently veering to the West in Ireland; no important change occurring elsewhere.

Barometer highest 30.1 to 30.2 inches in a large anticyclone covering Spain, France, S. Germany, Switzerland, Austria, northern Italy and the western parts of the Mediterranean. Lowest 29.5 inches and less in a depression lying over the Baltic Provinces; 29.6 inches and less in another disturbance lying off the north of Scotland. Depression off Scotch coasts filling up later, but new system forming over the northeast of Great Britain and barometer falling at all the English stations.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM SUNDAY 2<sup>ND</sup> TO SATURDAY 8<sup>TH</sup> AUGUST 1891.

During the early part of last week the weather remained in a very changeable and unsettled state, with heavy showers in nearly all parts of the United Kingdom, and with severe thunderstorms at many of the English stations. Towards the close of the week a slight improvement was observed, but the conditions were still cool and unsettled, especially in the western and northern districts.

At the beginning of the period an anticyclone lay over France and the Bay of Biscay, and while a well defined depression existed to the northwest of Scotland, some small secondary disturbances travelled eastwards across Ireland and England; in London a smart thunderstorm with very heavy rain was experienced on the 2<sup>ND</sup> inst. The depression in the northwest now travelled south-eastwards to our northeast coasts, where it gradually filled up, the ultimate disposal of the system taking place during the 4<sup>TH</sup>. In its rear the barometer rose steadily in the west and north, and moderate breezes from the North-West or North set in over the whole Kingdom, with very cool weather and occasional thunder showers.

On the 6<sup>TH</sup> a definite anticyclone appeared off our extreme southwest coasts and in the course of the two following days this system moved south-eastward to the Bay of Biscay and France. The wind therefore backed to the west and ultimately to the South-West, and at the close of the week further low pressure areas were approaching our western and northern coasts from the Atlantic, freshening S.W. breezes being reported on the Irish coasts, with rain in the west and north generally.

Temperature has been uniformly low, the maximum readings being for the most part below 70° and frequently below 65° even in the warmest districts. In the northwest and north the thermometer has on many occasions failed to reach 60° all 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).

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„ Weekly „ „ „ £1 10 0 „



# DAILY WEATHER REPORT.

for *Tuesday 11th August.* 1891.  
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.80	52	2	0	C	29.80	0.0	58	55	0	SE	2	C	*	64	45	—
	Hernösand ...	29.82	50	2	0	C	29.82	-0.7	54	57	-1	S	2	bc	*	66	37	—
	Stockholm ...	29.76	53	E	2	T	29.60	-2.8	53	56	+1	ENE	4	T	*	64	45	0.57
	Wisby ...	29.69	55	ENE	4	T	29.65	-1.8	60	58	+2	WPN	6	bc	*	61	52	0.63
	Bodö ...	29.76	53	2	0	C	29.71	-1.1	62	53	+9	E	1	C	1	2	46	—
	Christiansund	29.60	64	NNE	2	bc	29.61	-0.6	62	56	+2	ENE	1	C	1	70	57	—
	Skudesnaes ...	29.57	57	NNW	2	T	29.70	+1.2	54	52	-5	NW	6	0	4	61	50	0.55
	Christiania Fjord (Fæder)	29.57	58	ENE	5	T	29.62	-0.6	53	54	-2	NNE	3	T	2	59	55	0.75
	Skagen (The Seaw)	29.73	60	SW	1	0	?	?	60	57	0	2	0	C	0	66	55	0.24
	Fanö ...	29.62	57	WPN	5	C	29.70	+0.8	56	56	-4	NW	6	T	*	64	55	0.08
BRITISH ISLANDS.	Sumburgh Head	29.73	52	NNW	3	C	29.68	0.0	58	49	-9	SW	1	0	2	55	46	—
	Stornoway ...	29.85	57	W	2	C	29.61	-2.0	54	54	+1	SW	4	T	4	60	50	0.04
	Wick ...	29.86	51	N	2	bc	29.73	-0.2	44	44	-8	W	2	0	0	58	44	0.05
	Nairn ...	29.84	53	2	0	bc	29.70	-0.8	54	52	0	2	0	T	1	65	51	0.01
	Aberdeen ...	29.84	57	NW	2	C	29.77	+0.2	56	52	+4	SW	2	0	1	59	46	—
	Leith ...	29.84	61	ENE	2	C	29.84	+0.7	54	52	-7	SW	1	T	*	63	50	—
	Shields ...	29.84	58	N	3	C	29.87	+1.5	57	54	+4	W	3	C	2	59	46	—
	Spurn Head ...	29.88	56	N	4	bc	29.83	+1.2	57	53	-4	W	3	bc	3	59	52	—
	York ...	29.86	60	ENE	1	C	29.84	+1.1	59	55	0	W	1	bc	*	64	47	0.01
	Loughborough	29.51	58	NNE	1	0	30.00	+2.8	58	55	-1	WPN	2	ow	*	68	52	0.13
GERMANY & HOLLAND.	Ardrossan ...	29.87	60	W	3	C	29.81	+0.3	53	54	-3	SW	4	Tm	3	65	53	0.01
	Malin Head ...	29.85	56	NW	3	0	29.68	-1.5	53	54	-1	S	4	0	2	62	53	0.08
	Mullaghmore ...	30.02	58	NNW	5	0	29.74	-1.6	58	57	+1	SW	6	0	5	61	54	0.24
	Belmullet ...	30.07	59	NNW	3	C	29.78	-1.9	58	58	+2	NW	5	0	*	61	56	0.40
	Donaghadee ...	29.92	58	NE	3	C	29.90	+0.7	56	55	-1	S	2	T	0	62	53	0.05
	Liverpool (Bidston)	29.91	60	W	4	bc	29.88	+1.20	56	53	-3	WPN	3	0	2	62	56	—
	Holyhead ...	29.94	59	NNW	2	bc	29.88	+1.15	56	54	-2	SW	4	0	3	66	53	—
	Parsonstown ...	30.04	60	NW	1	C	29.89	-0.4	56	55	-2	SW	2	0	*	65	54	0.14
	Valencia ...	30.15	59	NW	3	cm	29.92	-1.4	59	59	+1	SW	6	Tm	6	63	56	0.22
	Roche's Point...	30.05	61	NNW	4	C	29.97	+0.9	58	58	-1	SW	5	T	4	64	54	0.20
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.00	59	NNW	2	C	30.06	+1.7	57	56	0	WPN	3	0	3	61	55	—
	Scilly ...	30.08	60	NW	4	bc	30.12	+1.6	59	57	0	WPN	3	0	5	62	56	—
	Prawle Point ...	30.00	63	NNW	4	C	30.12	+2.4	59	58	-1	W	2	bc	1	68	54	0.03
	Jersey (St. Aubin's)	30.02	64	W	5	cm	30.15	+2.2	61	59	0	NW	4	cm	3	65	57	—
	Hurst Castle ...	29.95	60	NNW	4	fbct	30.08	+2.4	61	59	+1	W	3	bc	2	67	53	0.19
	Dungeness ...	29.86	63	W	4	C	29.94	+1.2	62	58	+3	NNW	1	bc	1	66	57	0.30
	London ...	29.92	61	NNW	2	cp	30.04	+2.2	63	58	+2	W	1	C	*	68	49	0.07
	Oxford ...	29.96	58	NNW	2	C	30.04	+2.3	58	56	+2	W	2	C	*	66	57	0.03
	Cambridge ...	29.89	58	N	1	C	30.03	+2.5	60	56	0	SW	1	C	*	68	48	0.21
	Yarmouth ...	29.84	56	N	1	C	29.97	+2.3	55	54	-4	W	2	C	2	63	49	0.17
PENINSULA.	Cuxhaven ...	29.74	58	W	3	C	29.82	+0.9	58	57	-1	NNW	4	0	*	64	57	0.28
	Berlin ...	29.69	66	2	0	T	29.91	+0.6	60	57	-1	W	4	C	*	77	54	—
	Wiesbaden ...	30.00	*	*	*	*	30.03	+1.0	60	57	0	W	2	bc	*	70	54	—
	Munich ...	30.00	63	2	0	bc	30.11	+0.7	60	57	+1	SW	3	0	*	75	57	0.08
	The Helder ...	29.85	58	NW	2	C	30.00	+2.5	58	52	-2	NNW	2	C	3	63	57	0.12
	Brussels (9 a.m.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cape Gris Nez	29.85	61	WPN	4	C	29.94	+1.1	58	55	-1	WPN	3	0	4	63	54	0.16
	Paris ...	29.97	59	W	2	C	30.12	+1.4	58	57	0	WPN	1	0	*	75	52	0.08
	Brest ...	30.08	62	NW	3	C	30.19	+1.7	59	57	-1	NNW	2	C	2	66	55	—
	Lorient ...	30.08	62	NNW	3	0	30.19	+1.7	59	57	-2	NW	1	bc	2	66	55	—
FRANCE AND BELGIUM.	Rocheport ...	?	65	NNW	4	C	?	?	61	58	-3	N	4	C	2	70	53	—
	Belfort ...	30.05	66	W	3	bc	30.12	+0.8	59	52	0	W	3	bc	*	75	50	—
	Lyons ...	30.01	73	NNW	2	C	30.11	+0.7	62	56	-2	NW	3	0	*	81	58	—
	Nice ...	29.98	65	SW	2	C	29.95	-1.1	66	62	+1	ENE	2	C	0	75	57	—
	Perpignan ...	30.02	74	NW	3	0	30.12	+0.3	66	59	-2	NW	3	0	*	82	64	0.04
	Biarritz ...	30.17	68	NNW	3	C	30.19	+0.4	66	61	0	N	3	0	2	73	61	0.08
PENINSULA.	Corunna ...	30.04	65	NW	6	C	30.05	-0.1	66	58	+2	NNW	4	C	5	77	59	—
	Lisbon ...	30.04	65	NW	6	C	30.05	-0.1	66	58	+2	NNW	4	C	5	77	59	—

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, 11<sup>th</sup> August, 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

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

→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

### MEAN HEIGHT OF THE BAROMETER

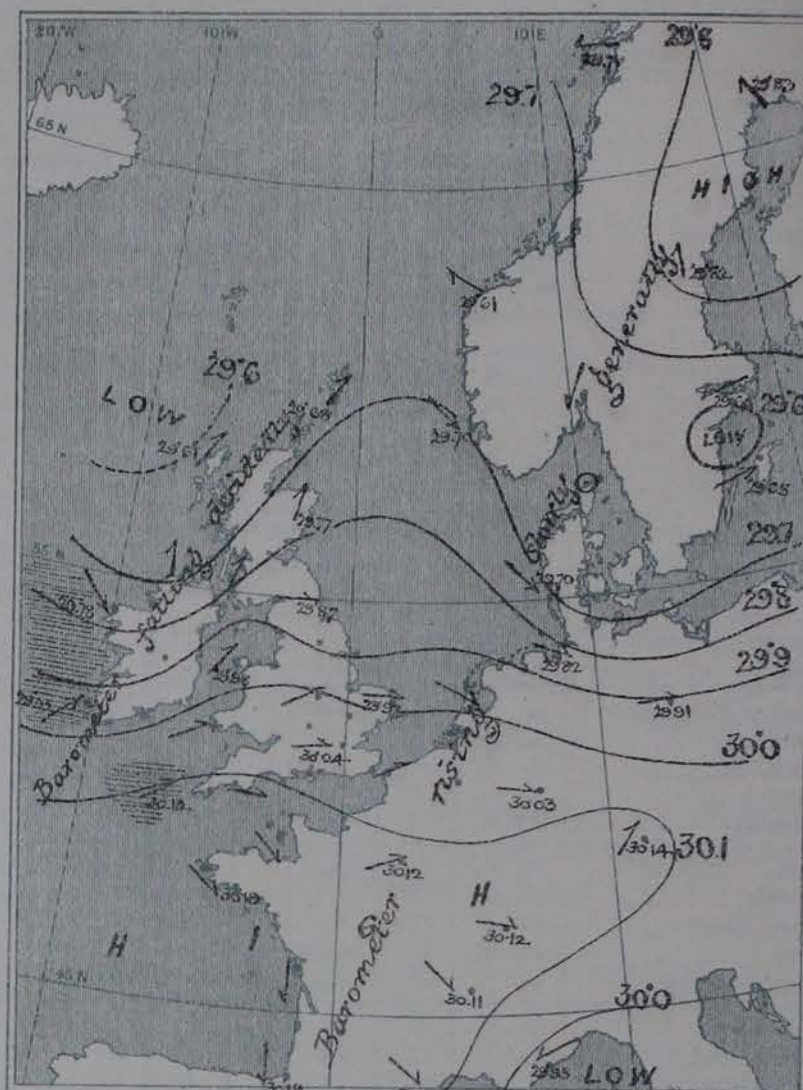
at 8.0 a.m. for the month of August

During the 20 Years: 1871—1890.

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.903
York	29.906
Loughborough	29.925
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Rocha's Point	29.927
Pembroke	29.928
Scilly	29.932
Prawle Point	29.975
Jersey	29.984
Hurst Castle	29.965
Dover	29.949
LONDON	29.954
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

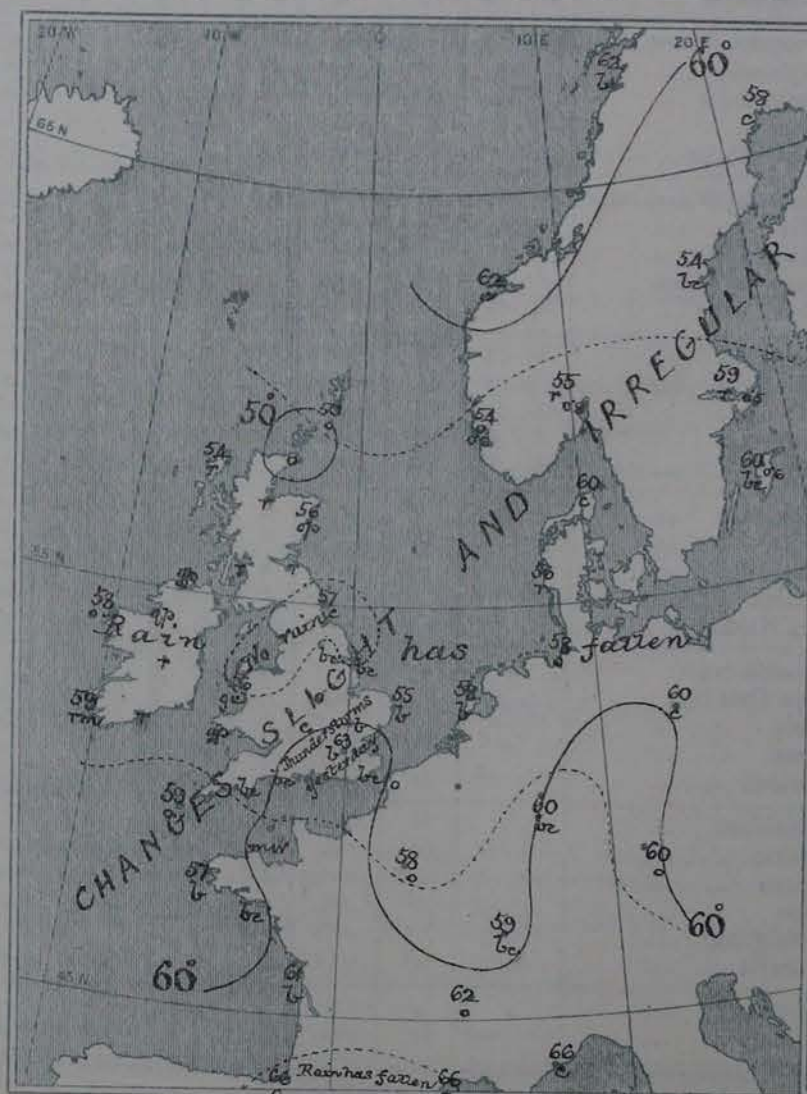
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 a.m.	
			Dry.	Wet.	
Sumburgh Head	57.7	48.4	53.4	51.7	3.10
Stornoway	59.8	48.8	51.9	53.2	3.67
Wick	61.1	48.3	55.2	53.2	2.57
Nairn	63.4	50.3	55.5	52.7	2.75
Aberdeen	63.1	50.1	56.5	53.4	3.03
Leith	65.7	51.3	57.5	54.1	2.60
Shields	63.6	51.9	57.2	54.5	2.85
Spurn Head	61.3	55.0	58.8	56.6	1.80
York	67.9	51.3	57.7	55.0	2.54
Loughborough	70.4	51.8	59.3	56.0	2.53
Ardrossan	63.6	52.8	57.2	54.8	3.78
Mullaghmore	63.3	53.8	57.3	54.6	3.05
Donaghadee	62.2	52.2	56.9	55.3	3.04
Holyhead	64.1	54.8	58.4	56.2	2.77
Liverpool	65.8	54.1	58.5	55.2	2.83
Parsonstown	65.0	51.4	57.3	55.2	3.38
Valencia	64.7	54.1	59.3	56.0	1.70
Rocha's Point	66.1	53.8	58.9	56.3	3.62
Pembroke	63.2	55.6	58.6	56.5	2.77
Scilly	64.9	57.0	60.9	58.8	2.39
Prawle Point	65.3	54.4	60.1	57.9	2.14
Jersey	68.8	57.1	62.8	59.6	2.24
Hurst Castle	68.1	55.9	61.0	58.9	2.25
Dover	67.2	56.7	62.0	58.6	2.04
LONDON	71.8	53.5	60.9	57.3	2.21
Oxford	69.3	53.0	58.8	56.0	2.24
Cambridge	71.3	51.8	60.0	57.1	2.19
Yarmouth	69.3	54.8	60.5	57.6	2.15

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 ins. and upwards in an anticyclone lying over France, south Germany, the Bay of Biscay and the western part of the English Channel.
	Lowest 29 ins. and less in a depression the centre of which lies off the north west of Scotland and also in two other disturbances lying respectively over the W. of Norway and in the neighbourhood of Stockholm.
TEMPERATURE	Gradients moderate over the northwest of our Islands, but slight elsewhere.
	Barometer falling decidedly in the western and northern parts of the United Kingdom, but rising elsewhere.
WIND	Highest 66° at Biarritz, Perpignan, Nice and Lisbon, 65° in London, and 62° at Oslo, Christiansund, Dungeness & Lyons.
	Lowest 44° at Wick, 50° at Loughborough Head, 56° at Harwich, Sandness, Stornoway, Hain and Leith.
WEATHER	The highest maxima registered over our Islands yesterday were 68° at Loughborough, Pwll Point, Cambridge and in London, and 67° at Hart Castle.
	Light to fresh from the S.W. at most of our western and northern stations, but N.W. at Belmullet.
SEA	Light or moderate from the W. over Germany, the Netherlands and the east and south of England.
	Light from the N.W. over the greater part of France; strong from the same quarter on the eastern shores of the North Sea; E. in the north of Scandinavia.
SEA	Dull and rainy at most of the Irish and Scotch stations and showery in the west of England.
	Fine in the east and south of England and the west of France. Cloudy in Norway, Denmark, and many parts of England.
SEA	Germany with rain at Saarbrücken and Trier. Thunderstorms and heavy showers were experienced yesterday in
SEA	Rough off the west of Ireland, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off our northwest coasts will probably move eastwards and rainy weather is therefore likely to set in again over England. The wind will probably increase considerably from Southwest and west on our southern coasts.

## FORECASTS

For the 24 hours ending at NOON on 12<sup>TH</sup> AUGUST 1891.

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

0	SCOTLAND NORTH	{ S.W. to W. or N.W. winds; rainy at first, some improvement later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	{ Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	{ S.W. to W. winds, freshening considerably, fair to squally and some rain.

6	SCOTLAND WEST	{ S.W. to W. or N.W. winds, increasing in force; squally, rain at times.
7	ENGLAND N.W.	
8	ENGLAND S.W.	{ W. to N.W. winds, fresh or strong; squally, showery.
9	IRELAND NORTH	
10	IRELAND SOUTH	

### WARNINGS

None Issued.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	27.54	61	57	ENE	2	T	3		Holyhead ...	27.52	65	NW	2	b	2
Sumburgh Head ...	27.72	54	52	NNW	3	c	3		Valencia ...	30.14	62	NW	4	og	4
Stornoway ...	27.85	57	57	SW	2	c	2		Scilly ...	30.05	62	NW	4	bc	5
Aberdeen ...	27.81	56	51	NNW	4	cg	4		Jersey ...	30.00	64	W	5	cm	3
Shields ...	27.82	58	52	NNE	3	c	3		Dungeness ...	27.83	63	WNW	6	cp	4
Ardrossan ...	27.84	65	58	W	3	b	2		London ...	27.83	67	W	3	c	*
Malin Head ...	27.92	58	56	NW	4	o	3		Yarmouth ...	27.75	61	N	3	c	3
Mullaghmore ...	30.00	55	57	WNW	5	o	2		Rochefort ...	30.05	68	WNW	5	bc	?
Belmullet ...	30.05	60	58	NW	2	bc	*								

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

Weather changeable and showery over the greater part of the United Kingdom; rainy in the Netherlands, western Germany and the south of Norway, as well as at some of the Baltic stations - Fine in nearly all other parts of Europe. Thunderstorms and heavy showers occurring later at many of the English stations; considerable quantities of rain falling in the southern parts of Scandinavia.

Temperature highest 81° at Annale, 78° at Spas, 77° at Palma and Brindisi and 76° at Cagliari, La Calle and Malta; above 70° at most of the Adriatic and Mediterranean stations. Lowest 46° at Archangel, 49° at St Petersburg, and 52° at Uleaborg, Kuopio, Wick and Aberdeen; below 60° in nearly all parts of northern and northwestern Europe. Remaining below 60° all day at some of our own northern and northeastern stations but rising to between 65° and 68° over the central and southern districts. Exceeding 70° over France generally and exceeding 80° in the extreme south of that country.

Wind light or moderate from the NW<sup>nd</sup> in the western and northern parts of the United Kingdom generally but N<sup>th</sup> or NE<sup>th</sup> in the north of Scotland. Moderate from the W<sup>nd</sup> over France and the greater part of England, from the SW<sup>nd</sup> over Denmark, Germany and the Netherlands and from the SE<sup>nd</sup> or E<sup>nd</sup> in Scandinavia. Light from the N<sup>th</sup> at most of the Russian and Italian stations; variable in Austria and also in Algeria. Subsequently backing to the W<sup>nd</sup> in the extreme northwest of our Islands.

Barometer highest 30.1 ins. and upwards over the southwest of France, the north of Spain and the southern parts of the Bay of Biscay, 30.0 ins. and upwards over all the more southern countries. Lowest 29.6 ins. and less in a well defined depression lying off the south of Norway, 29.7 ins. and less in a large shallow area lying over Russia. Former disturbance subsequently moving eastwards and beginning to fill up; new depression approaching our northwest coasts 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).

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„ Weekly „ „ „ £1 10 0 „



# DAILY WEATHER REPORT.

for *Wednesday, 12<sup>th</sup> August, 1891.*  
 Issued by the Meteorological Office, 63, Victoria Street, London. *R. H. SCOTT, Secretary.*

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	29.82	52	Z	0	bc	29.84	+ 01	57	55	- 1	SE	2	b	*	64	45	-
	Hernösand ...	29.82	56	E	2	b	29.82	+ 00	57	54	+ 3	Z	0	bc	*	72	39	-
	Stockholm ...	29.63	55	W	4	T	29.66	+ 06	56	54	- 3	WNW	2	T	*	61	46	0.35
	Wisby ...	29.71	57	SSW	4	b	29.77	+ 12	59	58	- 1	W	6	0	*	66	54	0.04
	Bodö ...	29.51	60	Z	0	b	29.74	+ 03	64	54	+ 2	E	2	b	1	64	54	-
	Christiansund	29.65	56	W	2	f	29.60	- 01	59	56	- 3	SE	2	c	2	62	54	0.12
	Skudesnaes ...	29.75	57	SSW	4	o	29.60	- 10	60	58	+ 6	SSW	6	0	5	60	54	0.28
	Christiania Fjord (Færdø)	29.70	58	WNW	2	o	29.73	+ 11	60	56	+ 5	WSW	5	bc	3	60	?	-
	Skagen (The Scaw)	29.74	58	NW	1	o	29.76	?	58	55	- 2	WSW	3	0	3	64	54	-
	Fanö ...	29.88	58	W	4	c	29.82	+ 12	60	59	+ 4	SSW	4	0	*	61	55	-
BRITISH ISLANDS.	Sumburgh Head	29.47	53	WSW	3	T	29.41	- 27	53	52	+ 3	S	3	0	4	56	44	0.10
	Stornoway ...	29.52	58	W	4	c	29.29	- 32	55	55	+ 1	W	4	T	4	59	50	0.04
	Wick ...	29.53	52	W	3	c	29.39	- 34	53	53	?	SW	3	0	2	63	52	0.13
	Nairn ...	29.54	60	W	2	o	29.36	- 44	58	54	+ 4	WSW	3	c	2	66	52	0.04
	Aberdeen ...	29.60	59	S	2	c	29.46	- 31	53	51	- 3	SSW	3	Op	2	60	51	0.05
	Leith ...	29.67	56	WSW	4	c	29.51	- 33	57	53	+ 3	SW	3	0	*	63	51	0.03
	Shields ...	29.73	64	SW	2	o	29.59	- 28	59	55	+ 2	SSW	4	c	2	64	54	-
	Spurn Head ...	29.86	64	SSW	4	bc	29.69	- 14	62	58	+ 5	SW	4	bc	3	66	56	-
	York ...	29.85	60	S	2	o	29.68	- 16	60	56	+ 1	W	3	c	*	64	53	-
	Loughborough	29.92	60	SSW	4	o	29.74	- 26	60	57	+ 2	SW	2	c	*	66	57	-
GERMANY & HOLLAND.	Ardrossan ...	29.71	59	W	4	o	29.52	- 29	55	54	0	SW	4	T	3	61	54	0.13
	Malin Head ...	29.71	57	WSW	4	o	29.47	- 21	55	54	0	SW	5	Op	4	60	53	0.10
	Mullaghmore ...	29.77	60	WSW	5	c	29.61	- 13	56	54	- 2	WSW	4	Op	6	63	55	0.02
	Belmullet ...	29.77	59	SW	3	o	29.65	- 13	58	56	0	WNW	6	c	*	61	55	0.06
	Donaghadee ...	29.76	59	S	1	c	29.60	- 30	57	55	+ 1	WSW	3	o	1	68	53	0.03
	Liverpool (Bidston)	29.82	62	SW	4	o	29.70	- 28	61	55	+ 5	WSW	3	bc	4	63	55	-
	Holyhead ...	29.81	57	SW	5	2 m	29.71	- 27	60	57	+ 4	SW	4	bc	4	60	54	0.10
	Parsonstown ...	29.64	62	SW	1	bc	29.73	- 16	59	53	+ 3	Z	0	bc	*	65	56	-
	Valencia ...	29.90	60	WSW	2	0 m	29.86	- 06	60	57	+ 1	W	3	o	4	63	54	0.14
	Roche's Point...	29.90	61	W	4	c	29.82	- 15	58	56	0	W	4	bc	3	64	55	0.06
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.89	58	SSW	4	f	29.81	- 25	57	56	0	SW	3	bc	4	58	55	0.20
	Scilly ...	30.00	60	SSW	4	T m	29.90	- 22	60	60	+ 1	WSW	4	f	5	62	57	0.40
	Prawle Point ...	30.05	58	WSW	5	c	29.90	- 22	58	58	- 1	WSW	2	f	2	59	52	0.37
	Jersey (St. Aubin's)	30.05	58	WSW	5	c	29.95	- 20	62	61	+ 1	W	5	ogmp	4	63	58	0.39
	Hurst Castle ...	30.06	60	WSW	5	c	29.86	- 22	61	61	0	W	5	cr	3	64	58	0.12
	Dungeness ...	30.02	61	WSW	5	c	29.82	- 12	60	59	- 2	SW	6	d	4	65	58	0.05
	London ...	30.00	63	WSW	3	o	29.80	- 24	61	60	- 2	SW	3	Op	*	68	58	0.05
	Oxford ...	29.97	59	SSW	3	o	29.80	- 24	58	57	0	WSW	2	T	*	64	57	0.03
	Cambridge ...	29.97	62	WSW	1	o	29.76	- 27	60	60	0	SW	1	0	*	66	57	0.08
	Yarmouth ...	29.95	64	WSW	3	c	29.75	- 22	60	59	+ 5	WSW	3	Cg	3	64	54	0.02
PENIN- SULA.	Cuxhaven ...	29.98	55	W	3	c	29.92	+ 10	57	55	- 1	S	2	0	*	60	55	-
	Berlin ...	30.03	62	W	2	b	30.06	+ 15	59	55	- 1	SW	4	b	*	70	50	-
	Wiesbaden ...	*	*	*	*	*	30.04	+ 06	57	54	- 3	N	1	b	*	70	57	-
	Munich ...	30.15	60	SW	2	c	30.15	+ 04	58	55	- 2	Z	0	b	*	66	52	0.04
	The Helder ...	30.00	61	SW	2	c	29.85	- 15	59	57	+ 1	SSW	4	0	3	64	57	-
	Brussels (9 a.m.)	*	*	*	*	*	29.93	- 09	61	57	0	S	5	0	*	68	52	-
	Cape Gris Nez	30.03	60	WSW	5	o	29.85	- 09	58	58	0	SSW	6	T	6	64	55	0.04
	Paris ...	30.12	66	WNW	1	c	30.06	- 06	59	57	+ 1	SSW	2	0	*	72	53	-
	Brest ...	?	60	WSW	3	o	?	?	60	60	+ 3	WSW	4	f	4	66	55	0.12
	Lorient ...	30.19	62	W	3	o	30.05	- 14	61	61	+ 3	W	4	T	5	64	57	0.12
PENIN- SULA.	Rocheport ...	30.19	64	WNW	5	o	30.15	?	64	59	+ 3	W	4	0	2	70	59	-
	Belfort ...	30.42	64	W	3	b	30.12	- 00	60	53	+ 1	W	3	bc	*	72	45	-
	Lyons ...	30.10	66	N	2	bc	30.16	+ 05	62	55	0	N	1	b	*	73	57	-
	Nice ...	29.93	65	SE	4	c	29.99	+ 04	66	61	0	ENE	2	b	2	77	59	-
	Perpignan ...	30.10	72	NW	5	b	30.18	+ 06	67	59	+ 1	W	4	bc	*	77	63	-
	Biarritz ...	30.24	68	N	4	b	30.25	+ 06	63	59	- 3	S	2	b	2	73	59	-

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, 12<sup>TH</sup> AUG. 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 show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

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

→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

### MEAN HEIGHT OF THE BAROMETER

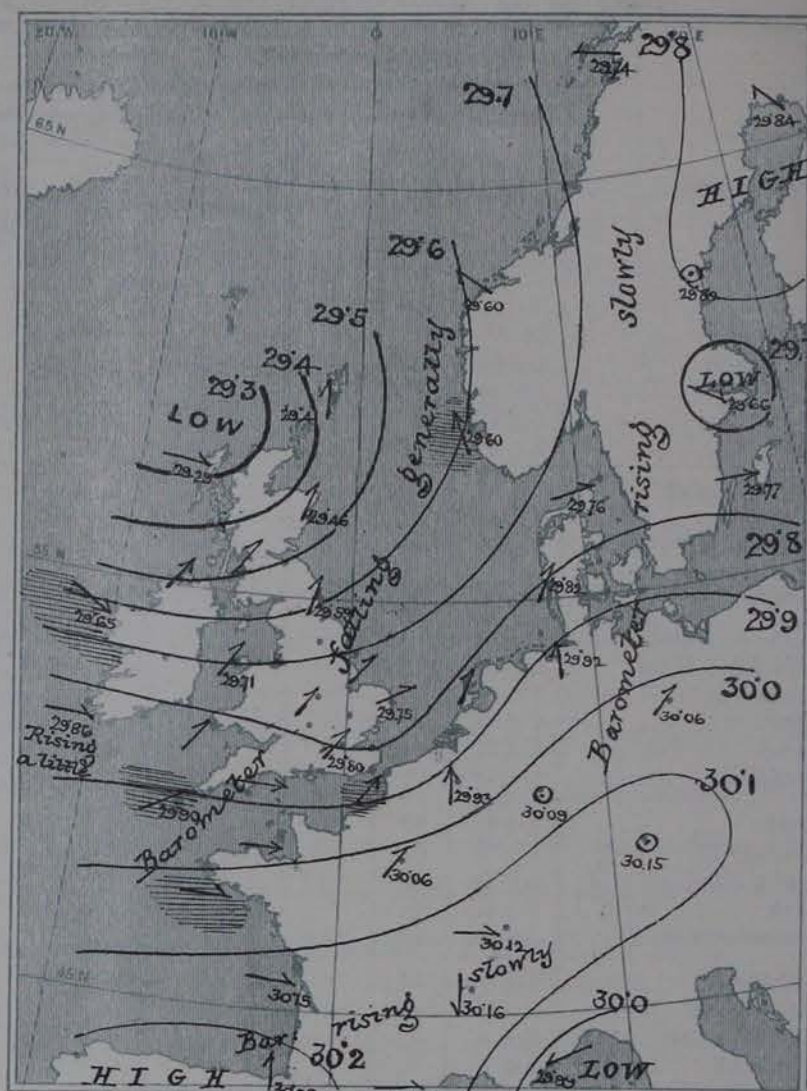
at 8.0 a.m. for the month of August

During the 20 Years: 1871—1890.

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Sornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.928
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Scilly	29.962
Prawle Point	29.975
Jersey	29.981
Hurst Castle	29.965
Dover	29.949
LONDON	29.951
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

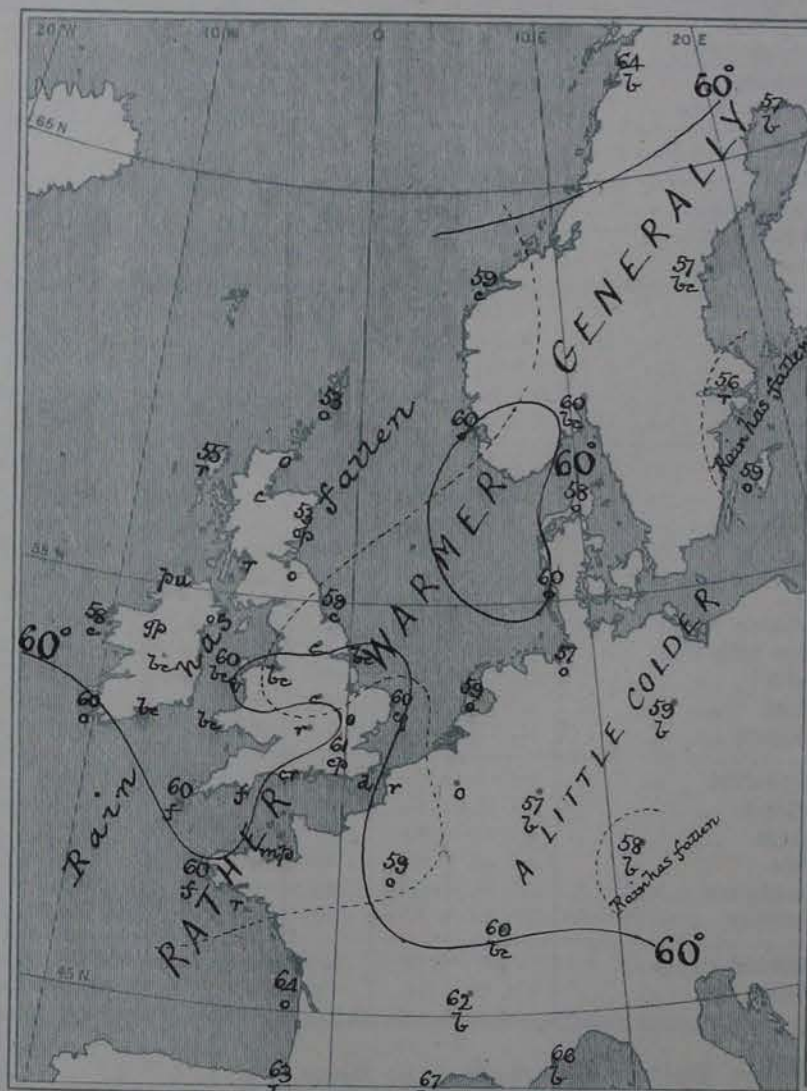
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.7	48.4	53.4	51.7	3.16
Sornoway .....	59.8	48.8	54.9	53.2	3.67
Wick.....	61.1	48.3	55.2	53.2	2.57
Nairn .....	63.1	50.3	55.5	52.7	2.75
Aberdeen .....	63.1	50.1	56.5	53.4	3.03
Leith.....	65.7	51.3	57.5	54.1	2.56
Shields .....	63.6	51.9	57.2	54.5	2.85
Spurn Head.....	61.3	55.0	58.8	56.6	1.86
York.....	67.9	51.3	57.7	55.0	2.51
Loughborough .....	70.4	51.8	59.3	56.0	2.53
Ardrossan .....	63.6	52.8	57.2	54.8	3.78
Mullaghmore .....	63.3	53.8	57.3	54.5	3.65
Donaghadee.....	62.2	52.2	56.9	55.3	3.04
Holyhead.....	64.1	54.8	58.4	56.2	2.77
Liverpool.....	65.8	54.1	58.5	55.2	2.83
Parsonstown.....	66.0	51.4	57.5	55.2	3.38
Valencia.....	64.7	51.1	59.3	56.9	4.70
Roche's Point .....	66.1	53.8	58.9	56.3	3.62
Pembroke.....	63.2	55.0	58.0	56.5	2.77
Scilly.....	64.9	57.0	60.9	58.8	2.39
Prawle Point .....	65.3	54.4	60.1	57.9	2.14
Jersey.....	68.8	57.1	62.8	59.6	2.24
Hurst Castle .....	68.1	55.9	61.0	58.9	2.28
Dover.....	67.2	56.7	62.0	58.6	2.04
LONDON .....	71.8	53.5	60.9	57.3	2.21
Oxford.....	69.3	53.0	58.8	56.0	2.24
Cambridge.....	71.3	51.8	60.0	57.1	2.10
Yarmouth.....	66.3	54.8	60.5	57.6	2.15

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 the north of Spain and the extreme southwest of France.

Lowest 29.3 ins. and less in a depression lying to the northward of the Hebrides.

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

Barometer falling at all but the Swedish, German and southern French stations, - most in the north of Scotland.

## TEMPERATURE

Highest 72° at Lisbon, 67° at Perpignan, 66° at Nice, 64° at Bodo and Rochefort, and 63° at Biarritz & Mullaghmore.

Lowest 53° at Lumburg Head, Wick and Aberdeen, 55° at Hornumay, Ardrossan and Malin Ht. and 56° at Stockholm.

The highest maxima registered over our Islands yesterday were 68° at Donaghadee and in London, and 66° at Nairn, Spurn Head and Cambridge.

## WIND

Light to fresh from the SW<sup>w</sup> over our Islands and from the S<sup>w</sup> on the eastern shores of the North Sea.

W<sup>2</sup> over the south of Sweden and the greater part of France; light from the E<sup>w</sup> in the N. of Scandinavia.

## WEATHER

Changeable and showery over the greater part of northwestern Europe but fine in Germany, the north of Scandinavia and the south of France. Fog is reported at the mouth of the English Channel.

Since yesterday morning rain has fallen at all but our northwestern stations - rather heavily in the southwest.

## SEA

Rough at Mullaghmore and Cape Gris Nez and rather rough at Skudesnaes & Scilly, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure remains favourable for the advance of cyclonic systems from the Atlantic and showery weather is likely to continue in most parts of the United Kingdom.

## FORECASTS

For the 24 hours ending at NOON on 13<sup>TH</sup> AUGUST 1891.

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

0 SCOTLAND  
NORTH

1 SCOTLAND  
EAST

2 ENGLAND  
N.E.

3 ENGLAND  
EAST

4 MIDLAND  
COUNTIES

5 ENGLAND  
SOUTH

SW<sup>2</sup> winds, light, changeable, some showers.

Same as N<sup>o</sup> 5.

SW<sup>2</sup> winds, moderate or fresh, changeable, some showers, possibly thunder.

6 SCOTLAND  
WEST

7 ENGLAND  
N.W.

8 ENGLAND  
S.W.

9 IRELAND  
NORTH

10 IRELAND  
SOUTH

SW<sup>2</sup> and W<sup>2</sup> winds, moderate or fresh, changeable, some showers.

W<sup>2</sup> to SW<sup>2</sup> winds, fresh, changeable, showery.

### WARNINGS

None issued.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

THER: WIND								THER: WIND							
BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA	
Skudesnaes ...	29.76	59	52	W	2	0	3	Holyhead ...	29.87	57	57	SW	6	2qm	5
Sumburgh Head	29.56	54	52	S	2	1	3	Valencia ...	29.93	61	59	WSW	3	om	3
Stornoway ...	29.52	59	57	W	4	0	5	Scilly ...	30.08	61	59	SSW	4	1	5
Aberdeen ...	29.64	56	53	S	3	0g	3	Jersey ...							
Shields ...	29.79	61	56	SW	3	c	2	Dungeness ...	30.04	62	60	W	5	c	3
Ardrossan ...	29.71	59	54	W	4	c	3	London ...	30.03	67	59	SW	4	0	*
Malin Head ...	29.73	59	54	WSW	4	0	3	Yarmouth ...	29.98	64	58	W	2	6c	2
Mullaghmore ...	29.81	60	57	W	5	c	4	Rochefort ...	30.18	68	62	WNW	4	6	*
Belmullet ...	29.83	60	57	W	3	0	*								

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

Weather rainy in Ireland and Scotland as well as in the south of Scandinavia, some parts of Denmark and the extreme south of France; showery in the west of England; dull at many of the German stations. Fine in nearly all other parts of Europe, but dull in Algeria. Showers falling during day in many parts of England and solar halos seen over our southern countries.

Temperature highest 79° at Tunis, 77° at Cagliari, Brindisi and Constantinople, and 76° at Palermo and La Calle, above 70° at most of the Adriatic and Mediterranean stations, above 60° in the west of Norway. Lowest 45° at Archangel, 50° at Sumburgh Head and Moscow, 53° at Uleaborg and Helsingfors, and 54° at St. Petersburg, Hernösand, Skudesnaes, Stornoway, Nairn and Leith, below 60° in all but the southeastern part of the United Kingdom. Rising during day to between 65° and 68° in many parts of Great Britain, and exceeding 70° in France.

Wind light to fresh from the SW<sup>nd</sup> in the west and north of our Islands; light or moderate from the W<sup>nd</sup> over Germany, the Netherlands and the east and south of England. Strong from the NW<sup>nd</sup> over the eastern shores of the North Sea; moderate from the same quarter over France; N<sup>3</sup> or NE<sup>2</sup> in Spain and Algeria. Light from the E<sup>nd</sup> over the Gulf of Finland and the north of Scandinavia; variable over Italy, Austria and the south of Russia. Subsequently veering to the SW<sup>nd</sup> in the extreme west of our Islands, but backing to the SW<sup>nd</sup> again at night.

Barometer highest 30.1 ins. to 30.2 ins. in an anticyclone lying over the Bay of Biscay, France, south Germany and the north of Spain, and also in another system lying over the south of Russia. Lowest 29.6 ins. and less in three depressions, - one lying off the northwest of Scotland, another over the west of Norway and the third near Stockholm, 29.9 ins. and less in a shallow disturbance off the Tunisian coasts. Depression to northwest of Scotland subsequently moving northeastwards but further systems advancing 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 *Thursday, 13<sup>th</sup> August, 1891.*  
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.  Reading at 32° F. and Sea Level.	TEMP.  Dry.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.			
			Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	29.85	53	Z	0	b	29.87	+ 03	59	57	+ 2	S	2	b	*	64	45	-
	Hernösand ...	29.83	54	E	2	0	29.72	- 10	59	56	+ 2	E	2	0	*	68	43	0.08
	Stockholm ...	29.78	57	Z	0	b	29.62	- 04	57	57	+ 1	E	4	0	*	66	52	-
	Wisby ...	29.83	58	SSW	4	b	29.59	- 18	59	57	0	SSW	6	1	*	64	55	0.08
	Bodö ...	29.74	59	Z	0	b	29.72	- 02	63	53	- 1	E	2	b	1	68	52	-
	Christiansund	29.55	61	NE	4	0	29.52	- 08	63	56	+ 4	SE	3	bc	2	66	57	-
	Skudesnaes ...	29.48	59	E	4	0	29.47	- 13	59	57	- 1	NNW	2	0	3	61	54	-
	Christiania Fjord (Færder)	29.62	59	SSW	5	1	29.43	- 30	58	56	- 2	ENE	5	1	3	61	57	0.23
	Skagen (The Scaw)	?	57	SSW	4	0	29.35	- 41	56	55	- 2	NNW	4	1	3	63	54	0.95
	Fanö ...	29.55	57	WSW	4	0	29.52	- 30	55	54	- 5	W	4	1	*	61	55	0.75
BRITISH ISLANDS.	Sumburgh Head	29.41	55	Z	0	0	29.56	+ 15	52	52	- 1	N	1	0	2	58	50	0.01
	Stornoway ...	29.43	56	W	4	0	29.72	+ 43	55	54	0	W	3	bc	3	60	50	0.20
	Wick ...	29.43	55	W	2	0	29.57	+ 18	55	54	+ 2	NW	2	0	2	64	44	0.31
	Nairn ...	29.42	58	WSW	3	0	29.70	+ 34	55	53	- 3	W	3	bc	3	65	49	0.01
	Aberdeen ...	29.44	59	N	2	0	29.71	+ 25	58	52	+ 5	NNW	3	bcqpp	3	65	47	0.10
	Leith ...	29.50	60	W	3	bc	29.77	+ 26	59	54	+ 2	WSW	4	bc	*	64	51	0.11
	Shields ...	29.56	62	W	4	bc	29.76	+ 17	57	54	- 2	NNW	3	b	2	63	50	0.02
	Spurn Head ...	29.66	62	W	7	0	29.81	+ 12	59	54	- 3	W	6	bcq	4	66	53	-
	York ...	29.65	62	W	5	0	29.85	+ 17	59	54	- 1	W	4	b	*	66	52	0.01
	Loughborough	29.76	65	W	4	0	29.93	+ 19	59	55	- 1	W	4	bq	*	70	54	-
GERMANY & HOLLAND.	Ardrossan ...	29.58	58	W	4	0	29.84	+ 32	59	55	+ 4	W	4	0	3	61	53	0.13
	Malin Head ...	29.62	57	W	6	0	29.87	+ 40	56	52	+ 1	W	3	0	3	59	53	0.03
	Mullaghmore ...	29.76	58	W	8	0	29.91	+ 30	57	55	+ 1	SW	4	0	3	63	55	-
	Belmullet ...	29.82	59	NNW	5	0	29.91	+ 26	57	57	- 1	SSW	2	1	*	62	54	0.12
	Donaghadee ...	29.68	61	NW	4	0	29.91	+ 31	60	56	+ 3	NW	3	0	1	66	55	0.03
	Liverpool (Bidston)	29.73	61	W	7	0	29.93	+ 23	59	55	- 2	W	6	bc	4	65	56	-
	Holyhead ...	29.77	60	W	3	0	29.96	+ 25	61	58	+ 1	W	2	bc	2	64	54	-
	Parsonstown ...	29.84	60	SW	1	0	29.95	+ 22	55	54	- 4	Z	0	1	*	65	53	0.10
	Valencia ...	29.96	60	W	2	0	30.01	+ 15	61	61	+ 1	WSW	3	0	4	64	57	0.10
	Roche's Point ...	29.92	63	NNW	4	0	29.99	+ 17	62	59	+ 4	W	4	bc	4	65	55	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.89	59	WSW	4	bc	30.03	+ 22	58	57	+ 1	WSW	2	0	2	62	56	0.01
	Scilly ...	30.03	61	NNW	4	bc	30.11	+ 21	60	60	0	WSW	4	1	5	62	58	0.01
	Prawle Point ...	29.94	60	NNW	5	b	30.08	+ 18	59	59	+ 1	W	4	1	3	62	56	0.04
	Jersey (St. Aubin's)	30.01	62	W	5	0	30.14	+ 19	62	61	0	W	4	0	3	64	59	0.05
	Hurst Castle ...	29.89	65	NW	4	bc	30.06	+ 20	63	60	+ 2	W	4	bc	2	68	58	-
	Dungeness ...	29.78	63	NNW	6	mq	29.99	+ 17	61	58	+ 1	NNW	5	bc	4	66	54	-
	London ...	29.81	66	W	3	0	29.99	+ 19	62	56	+ 1	WSW	3	bc	*	73	54	-
	Oxford ...	29.87	59	SW	3	bc	30.00	+ 20	59	54	+ 1	SW	3	b	*	68	52	-
	Cambridge ...	29.76	67	W	2	bc	29.96	+ 20	62	56	+ 2	SW	3	b	*	72	52	-
	Yarmouth ...	29.71	66	NNW	3	bc	29.88	+ 13	60	56	0	NNW	5	b	3	69	55	-
PENIN- SULA.	Cuxhaven ...	29.71	58	SSW	4	1	29.67	+ 25	58	57	+ 1	WSW	4	0	*	60	57	0.66
	Berlin ...	29.84	65	S	4	0	29.79	- 27	60	59	+ 1	W	2	0	*	72	57	0.08
	Wiesbaden ...	*	*	*	*	*	29.98	- 11	62	58	+ 5	SW	2	0	*	72	55	0.12
	Munich ...	30.08	62	SW	1	bc	30.08	- 07	59	59	+ 1	W	5	0	*	72	57	0.20
	The Helder ...	29.74	61	SW	2	0	29.81	- 04	60	56	+ 1	W	5	0	4	63	59	0.28
	Brussels (9 a.m.)	*	*	*	*	*	29.98	+ 05	59	56	- 2	WSW	5	0	*	64	55	0.04
	Cape Gris Nez	29.81	60	SW	6	0	29.94	+ 09	59	56	+ 1	W	6	0	6	61	55	0.08
	Paris ...	29.98	66	NW	4	0	30.13	+ 07	59	57	0	SW	2	0	*	69	53	0.08
	Brest ...	?	61	WSW	3	1	?	?	60	59	0	W	2	1	2	63	55	-
	Lorient ...	30.10	62	W	4	1	30.20	+ 15	61	61	0	W	3	1	4	63	59	0.08
FRANCE AND BELGIUM.	Rocheport ...	30.11	66	W	4	0	?	?	64	64	0	NNW	3	0	2	70	61	-
	Belfort ...	?	64	W	7	0	30.11	- 01	62	57	+ 2	W	4	0	*	73	46	0.16
	Lyons ...	30.14	70	N	1	0	30.22	+ 06	63	61	+ 1	NNW	1	1	*	77	61	-
	Nice ...	30.03	67	Z	0	0	30.05	+ 06	69	60	+ 3	Z	0	0	0	82	63	-
	Perpignan ...	30.13	77	NW	3	b	30.21	+ 03	73	64	+ 6	NW	3	b	*	82	65	-
	Biarritz ...	30.25	70	NE	3	b	30.26	+ 01	65	61	+ 2	SE	3	b	2	77	59	-

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, 13<sup>th</sup> Aug: 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

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

**SEA DISTURBANCE**—Where considerable, is shown thus:

☼ = Rough. ☼ = High.

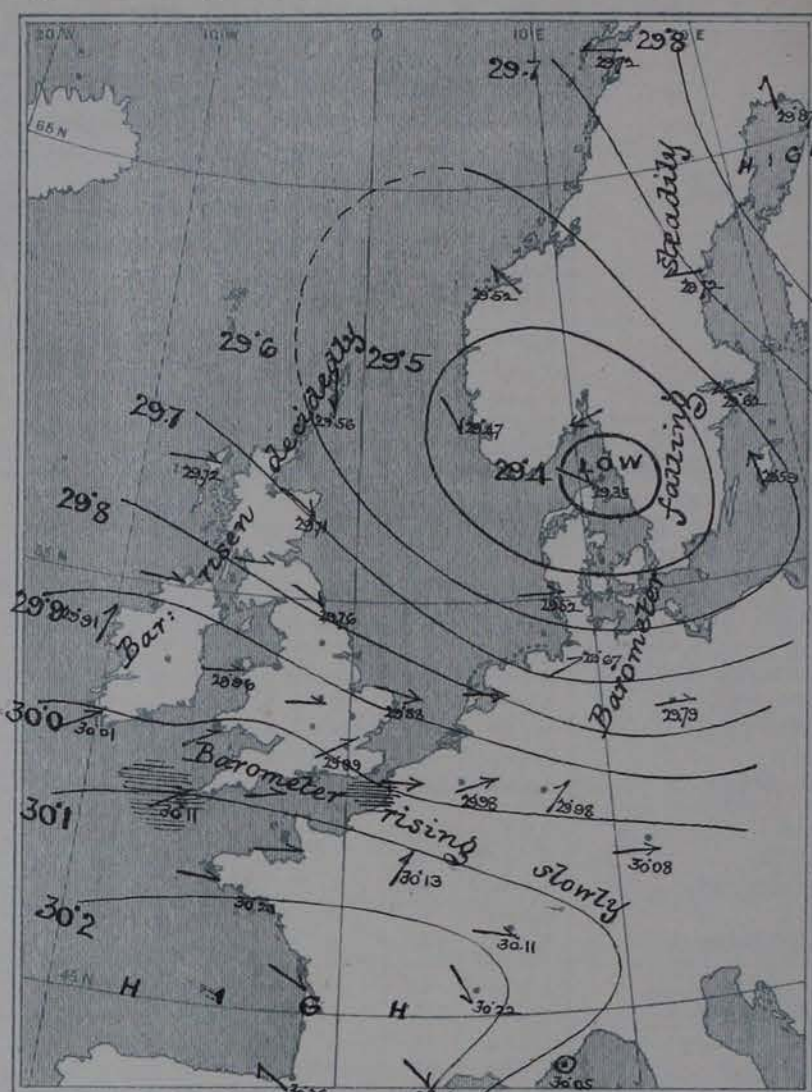
## MEAN HEIGHT OF THE BAROMETER

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

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.903
York	29.906
Loughborough	29.923
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Sailly	29.962
Prawle Point	29.975
Jersey	29.984
Hurst Castle	29.985
Dover	29.919
LONDON	29.934
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

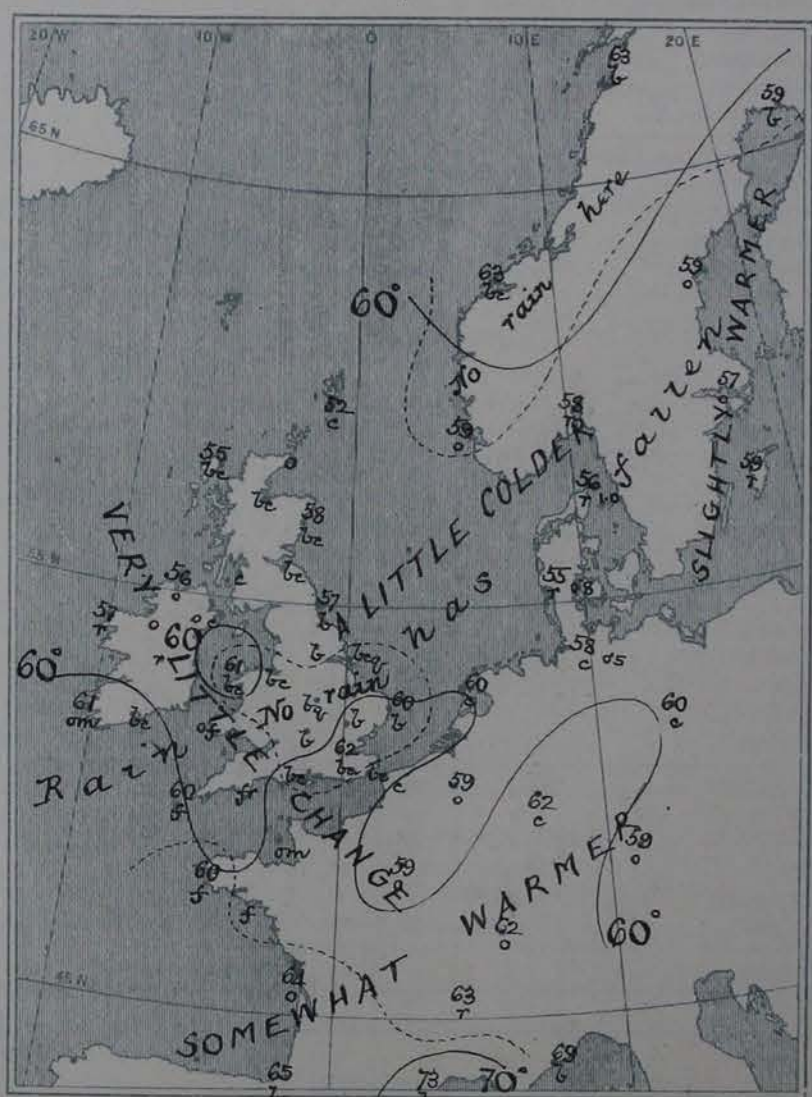
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	at 8 a.m. Wet.	
Sumburgh Head	57.7	48.4	53.4	51.7	3.18
Stornoway	59.8	48.8	54.9	53.2	3.07
Wick	61.1	48.3	55.2	53.2	2.57
Nairn	63.4	50.3	55.5	52.7	2.75
Aberdeen	63.1	50.1	56.5	53.4	3.93
Leith	65.7	51.3	57.5	54.4	2.59
Shields	63.6	51.9	57.2	54.5	2.85
Spurn Head	64.3	55.0	58.8	56.0	1.86
York	67.9	61.3	57.7	55.0	2.51
Loughborough	70.4	61.8	59.3	56.9	2.53
Ardrossan	68.6	52.8	57.2	54.8	3.78
Mullaghmore	63.3	53.8	57.3	54.5	3.05
Donaghadee	62.2	52.2	56.9	55.3	3.04
Holyhead	64.1	54.8	58.4	56.2	2.77
Liverpool	65.8	54.1	58.5	55.2	2.83
Parsonstown	66.0	54.4	57.3	55.2	3.38
Valencia	64.7	54.1	59.3	56.9	1.70
Roche's Point	66.1	53.8	58.9	56.3	3.02
Pembroke	63.2	55.6	58.6	56.5	2.77
Sailly	64.9	57.0	60.0	58.8	2.39
Prawle Point	65.3	54.4	60.1	57.9	2.14
Jersey	68.8	57.1	62.8	59.6	2.24
Hurst Castle	68.4	55.9	61.0	58.9	2.28
Dover	67.7	56.7	62.0	58.0	2.04
LONDON	71.8	53.5	60.9	57.3	2.21
Oxford	69.3	58.0	58.8	56.0	2.24
Cambridge	71.3	51.8	60.0	57.1	2.19
Yarmouth	66.3	54.8	60.5	57.6	2.15

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 southern parts of France and the north of Spain.  
 Lowest 29.4 ins. and less in a small depression lying in the neighbourhood of the Skager Rack.  
 Gradients slight generally. Barometer rising in our Islands and France, but falling in Scandinavia, Denmark and North Germany.

## TEMPERATURE

Highest 73° at Perpignan and Lisbon, 69° at Nice, 65° at Biarritz, 64° at Rochefort, and 63° at Bodo, Christiansund, Hurst Castle and Lyons.  
 Lowest 52° at Sumburgh Head, 55° at Faro, Stormoway, Wick, Nairn and Parsonstown, & 56° at Skagen & Melin H.  
 The highest maxima registered over our Islands yesterday were 73° in London, 72° at Cambridge, & 70° at Loughborough.

## WIND

Light to fresh from the W<sup>nd</sup> over the greater part of western Europe, but SW<sup>ly</sup> or S<sup>ly</sup> in the west of Ireland.  
 E<sup>ly</sup> at most of the Scandinavian stations; variable in the south of France.

## WEATHER

Fine in nearly all parts of Great Britain, as well as in the north of Scandinavia and south of France.  
 Cloudy or overcast elsewhere, with rain at some of the Irish stations, and also in Denmark and the south of Scandinavia. Fog prevails at the mouth of the Channel.  
 Showers fell yesterday in many parts of the United Kingdom and heavy rain in Denmark & north Germany.

## SEA

Rough at Cape Gris Nez and rather rough at Scilly, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is apparently rising even at our extreme western stations, but the winds in Ireland are backing to the S<sup>nd</sup> again, with rain, so that fresh disturbances are probably approaching from the Atlantic. Unsettled, showery weather seems likely to again spread eastwards over the United Kingdom.

## FORECASTS

For the 24 hours ending at NOON on 14<sup>th</sup> AUGUST 1891.

### DISTRICTS.

### FORECASTS.

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

W<sup>ly</sup> to SW<sup>ly</sup> winds, light; fine to unsettled and some rain

Same as No. 5.

W<sup>ly</sup> to SW<sup>ly</sup> winds, moderate or fresh; fine and warm at first, then cloudy & showery.

### DISTRICTS.

### FORECASTS.

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

Same as Nos. 0. and 1.

Same as No. 5

SW<sup>ly</sup> winds, freshening; cloudy, some rain.

### WARNINGS

None Issued.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...								Holyhead ...	29.72	61	57	SW	4	c q	4
Sunburgh Head	29.40	56	54	S	2	o	4	Valencia ...	29.93	62	57	W	4	c m q	4
Stornoway ...	29.35	60	58	W	3	c	3	Scilly ...	29.97	62	60	W N W	4	c	5
Aberdeen ...	29.40	59	55	SW	2	c p	2	Jersey ...	29.98	64	63	W	6	o d	4
Shields ...	29.54	61	56	W	4	c	2	Dungeness ...	29.80	63	61	W	6	c	4
Ardrossan ...	29.52	58	54	W	4	p	3	London ...	29.77	71	64	W N W	3	c	3
Malin Head ...	29.54	57	55	W	6	o	5	Yarmouth ...	29.72	67	60	W	4	b	3
Mullaghmore ...	29.70	60	56	W	8	c	6	Rochefort ...	30.12	68	63	W	5	o	4
Belmullet ...	29.76	61	59	W N W	6	b c	*								

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

Weather changeable and showery over the greater part of the United Kingdom; dull over Denmark and the Baltic, with rain at Stockholm. Fine in nearly all other parts of Europe, but cloudy at some of the Italian stations. Improvement taking place later over England but showers falling in Scotland, Ireland and France and heavy rain over Denmark and North Germany.

Temperature highest 80° at Spas, 77° at Constantinople, 76° at Brindisi and Algiers, and 75° at Gran, Tunis and Malta; above 70° at most of the Adriatic and Mediterranean stations. Lowest 45° at Archangel, 53° at Sunburgh Head, Wick and Aberdeen, 54° at St Petersburg, and 55° at Helsingfors, Stornoway, Ardrossan and Malin Head; below 60° over the greater part of northwestern, northern and central Europe, but above that point at some of the English stations and also in the north of Norway. Rising during day to a little above 70° over the inland parts of England, to 80° or more in the south of France and to 90° at Lisbon.

Wind light to fresh from the SW<sup>nd</sup> over our Islands, the Netherlands and Germany and from the S<sup>nd</sup> on the eastern shores of the North Sea, light from the E<sup>nd</sup> over Finland and the north of Scandinavia. Light from the N<sup>nd</sup> in the south of Russia, and from the NE<sup>nd</sup> in Spain and Italy; variable or E<sup>nd</sup> at the Algerian stations. Subsequently veering to the W<sup>nd</sup> or NW<sup>nd</sup> in all parts of the United Kingdom and increasing to a fresh gale at Mullaghmore.

Barometer highest 30.2 ins. and upwards in an anticyclone lying over the southwest of France and the northern parts of Spain; 30.1 ins. and upwards in another system over the south of Russia. Lowest 29.3 ins. and less in a well marked depression lying to the north of the Hebrides, 29.7 ins. and less in a small shallow system lying near Stockholm. Depression off the Scotch coast subsequently moving slowly in an E.S.E. direction; barometer rising in most parts of the United Kingdom.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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, 14<sup>th</sup> August, 1891.  
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																	
8 A.M. TO DAY.																	
PAST 24 HOURS.																	
STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.	
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.
	Reading at 32° F. and Sea Level.	Dry.	Dirce.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12.)			Max.	Min.	
SCANDINAVIA.																	
Haparanda ...	29.83	54	Z	0	b	29.84	-0.03	59	54	0	Z	0	b	*	68	39	-
Hernösand ...	29.70	59	ESE	2	o	29.72	-0.00	60	58	+1	ESE	2	o	*	66	54	0.08
Stockholm ...	29.55	55	E	2	b	29.57	-0.05	59	57	+2	N	2	o	*	68	50	0.20
Wisby ...	29.56	55	S	4	?	29.54	-0.05	60	57	+1	NNE	2	bc	*	64	54	1.26
Bodö ...	29.74	59	Z	0	b	29.76	+0.04	64	55	+1	E	2	b	1	64	54	-
Christiansund	29.63	60	W	1	bc	29.73	+0.21	59	56	-4	SW	1	m	1	68	57	-
Skudesnaes ...	29.66	59	NNW	6	o	29.82	+0.35	58	54	-1	NW	4	o	3	63	54	-
Christiania Fjord (Færdar)	29.49	59	NNW	5	o	29.69	+0.26	59	55	+1	NNW	5	b	3	59	57	0.08
Skagen (The Scaw)	29.46	58	N	1	c	29.68	+0.33	60	57	+4	N	3	c	2	68	56	0.12
Fanö ...	29.74	58	NW	6	c	29.84	+0.32	58	53	+3	NW	4	c	*	59	55	0.04
Sumburgh Head	29.76	52	NNW	2	c	29.82	+0.26	50	53	-2	Z	0	o	2	58	49	-
Stornoway ...	29.82	57	Z	0	o	29.74	+0.02	56	56	+1	SE	2	o	2	59	50	-
Wick ...	29.86	54	NW	2	bc	29.75	+0.18	54	54	-1	S	2	o	0	61	46	0.06
Nairn ...	29.82	60	SW	1	c	29.76	+0.06	55	54	0	Z	0	c	0	65	45	0.03
Aberdeen ...	29.85	59	NW	2	c	29.83	+0.12	55	53	-3	SSE	2	o	1	63	52	0.03
Leith ...	29.88	62	WSW	3	c	29.80	+0.03	55	55	-4	Z	0	T	*	68	53	0.08
Shields ...	29.90	62	W	3	c	29.83	+0.07	56	56	-1	SE	2	T	2	66	52	0.10
Spurn Head ...	29.95	61	W	3	c	29.90	+0.09	63	62	+4	SW	4	o	3	68	56	0.17
York ...	29.96	61	W	3	bc	29.91	+0.06	62	62	+3	WSW	1	T	*	67	54	0.54
Loughborough	30.01	60	WSW	2	o	29.98	+0.05	67	63	+8	WSW	4	bcq	*	68	59	-
Ardrossan ...	29.89	57	SW	3	o	29.79	-0.05	58	57	-1	SW	3	o	2	62	54	0.37
Malin Head ...	29.85	57	SSE	2	OT	29.77	-0.10	59	58	+3	WSW	4	Op	2	61	55	0.25
Mullaghmore ...	29.87	61	SW	2	T	29.84	-0.07	58	58	+1	SW	5	OT	4	63	56	0.80
Belmullet ...	29.87	60	WSW	4	Om	29.86	-0.05	58	57	+1	WSW	5	o	*	61	56	0.63
Donaghadee ...	29.91	56	SSW	3	T	29.84	-0.07	64	63	+4	WSW	4	bc	2	65	56	0.29
Liverpool (Bidston)	29.97	57	W	1	o	29.94	+0.01	61	60	+2	SW	4	T	4	62	57	0.30
Holyhead ...	29.95	59	SSW	4	ogm	29.93	-0.03	59	59	-2	SW	5	omgqr	5	66	56	0.31
Parsonstown ...	29.94	64	SW	2	T	29.94	-0.01	60	58	+5	SW	2	o	*	66	55	0.23
Valencia ...	30.02	62	SW	5	Om	30.01	-0.01	61	60	0	WSW	4	Om	5	64	59	0.07
Roche's Point...	30.03	62	WSW	4	T	30.01	+0.02	61	60	-1	WSW	4	T	4	67	58	0.01
Pembroke (St. Ann's Hd.)	30.04	59	SW	5	o	30.04	+0.01	60	59	+2	SW	4	cf	4	60	57	0.02
Scilly ...	30.16	62	SSW	4	o	30.12	+0.01	62	60	+2	SW	4	c	4	66	60	0.02
Prawle Point ...	30.14	59	WNW	4	f	30.15	+0.07	60	59	+1	SW	3	o	2	60	57	0.01
Jersey (St. Aubin's)	30.21	64	W	4	Om	30.21	+0.07	63	61	+1	W	4	cq	3	68	60	-
Hurst Castle ...	30.11	63	WSW	5	cq	30.13	+0.07	63	61	0	WSW	4	b	2	67	59	-
Dungeness ...	30.04	63	W	6	c	30.09	+0.10	61	60	0	W	5	c	3	70	60	-
London ...	30.03	68	W	2	o	30.08	+0.09	64	62	+2	WSW	3	o	*	70	61	-
Oxford ...	30.06	63	WSW	4	o	30.07	+0.07	62	60	+3	WSW	3	o	*	69	59	-
Cambridge ...	30.01	63	W	1	o	30.01	+0.05	67	58	+5	WSW	2	b	*	70	59	-
Yarmouth ...	29.98	65	NW	1	c	29.97	+0.09	65	63	+5	WNW	4	bc	2	66	58	0.07
Cuxhaven ...	29.78	60	WNW	6	o	29.94	+0.27	61	59	+3	NW	4	c	*	61	58	0.08
Berlin ...	29.87	58	W	4	c	29.93	+0.14	58	55	-2	WNW	5	b	*	68	55	0.28
Wiesbaden ...	*	*	*	*	*	30.12	+0.14	64	61	+2	WSW	3	o	*	70	55	-
Munich ...	30.21	57	Z	0	b	30.23	+0.15	63	60	+4	W	5	o	*	70	55	0.32
The Helder ...	30.02	60	W	2	c	29.99	+0.18	60	59	0	W	1	T	1	63	59	0.08
Brussels (a.m.)	*	*	*	*	*	30.09	+0.11	63	61	+4	SW	5	o	*	69	57	-
Cape Gris Nez	30.03	60	W	6	o	30.09	+0.15	59	59	0	WSW	6	o	6	63	57	-
Paris ...	30.19	69	W	2	c	30.22	+0.09	64	62	+5	SW	2	bc	*	73	59	-
Brest ...	?	63	W	2	f	?	?	60	60	0	SSW	1	m	3	68	57	0.04
Lorient ...	30.23	63	WSW	1	o	30.21	+0.01	58	58	-3	Z	0	bc	2	66	55	-
Rochefort ...	30.24	69	WNW	3	b	30.18	?	64	64	0	E	3	b	2	75	61	-
Belfort ...	30.21	75	NNW	2	bc	30.24	+0.02	66	60	+3	N	1	b	*	78	58	-
Lyons ...	30.05	70	SE	1	b	30.10	+0.05	69	64	0	SW	1	b	0	84	61	-
Nice ...	30.14	84	W	2	b	30.17	+0.04	69	62	-4	W	2	b	*	88	61	-
Perpignan ...	30.18	72	NE	6	b	30.15	+0.11	66	63	+1	ESE	2	b	2	79	61	-
Biarritz ...	30.18	72	NE	6	b	30.15	+0.11	66	63	+1	ESE	2	b	2	79	61	-
Corunna ...	*	*	*	*	*	30.08	+0.02	72	61	-1	NE	3	b	4	95	68	-
Lisbon ...	30.00	83	NNW	4	b	30.08	+0.02	72	61	-1	NE	3	b	4	95	68	-
PENINSULA.																	

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, 14<sup>th</sup> Aug., 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

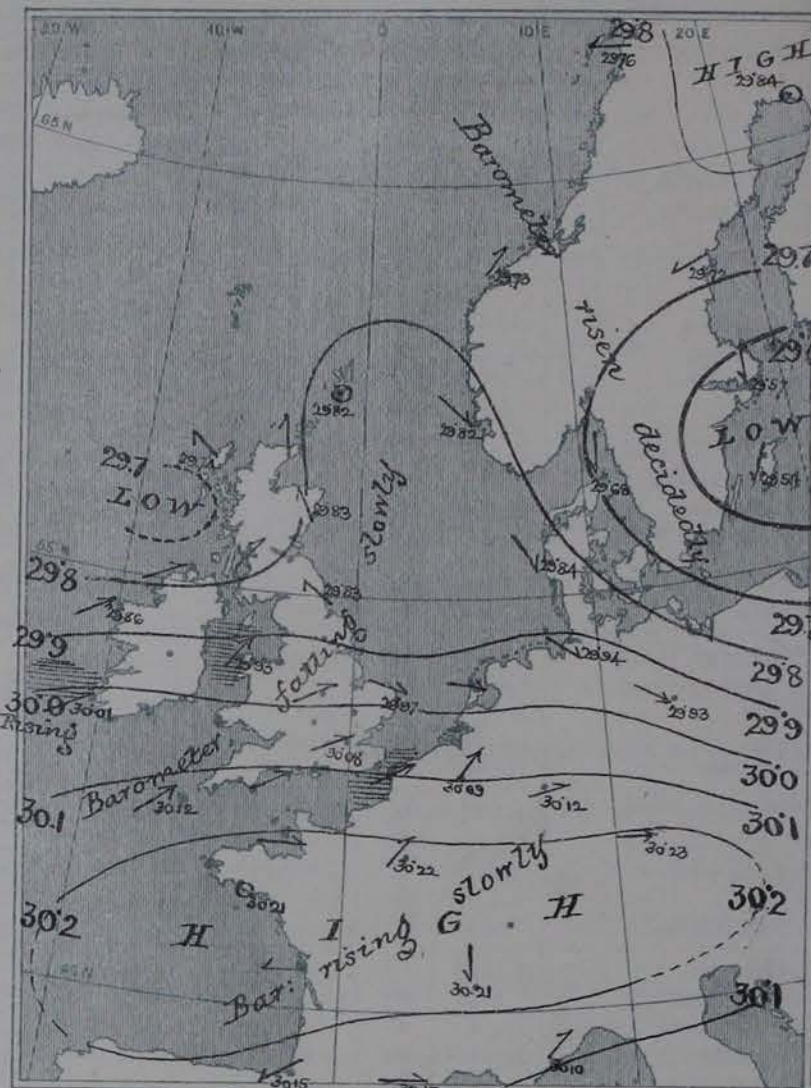
**SEA DISTURBANCE**—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

## MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.925
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Scilly	29.962
Prawle Point	29.975
Jersey	29.981
Hurst Castle	29.985
Dover	29.949
LONDON	29.954
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

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

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.7	48.4	53.4	51.7	3.16
Stornoway .....	59.8	48.8	54.9	53.2	3.67
Wick.....	61.3	48.3	55.2	53.2	2.57
Nairn .....	63.4	50.3	55.5	52.7	2.75
Aberdeen .....	63.1	50.1	56.5	53.4	3.03
Leith.....	65.7	51.3	57.5	54.1	2.56
Shields .....	63.0	51.9	57.2	54.5	2.85
Spurn Head.....	61.3	55.0	58.8	56.6	1.86
York .....	67.9	51.3	57.7	55.0	2.54
Loughborough .....	70.4	51.8	59.3	56.9	2.58
Ardrossan .....	63.6	52.8	57.2	54.8	3.78
Mullaghmore .....	63.3	53.8	57.3	54.5	3.65
Donaghadee.....	62.2	52.2	56.9	55.3	3.04
Holyhead.....	64.1	54.8	58.4	56.2	2.77
Liverpool .....	65.8	54.1	58.5	55.2	2.83
Parsonstown .....	66.0	54.4	57.3	55.2	3.38
Valencia .....	64.7	54.1	59.3	56.9	4.70
Roche's Point .....	66.1	53.8	58.9	56.3	3.62
Pembroke.....	63.2	55.0	58.6	56.5	2.77
Scilly .....	64.9	57.0	60.9	58.8	2.39
Prawle Point .....	65.3	54.4	60.1	57.9	2.14
Jersey .....	68.8	57.1	62.8	59.6	2.24
Hurst Castle .....	68.1	55.9	61.0	58.9	2.28
Dover .....	67.2	56.7	62.0	58.6	2.04
LONDON .....	71.8	53.5	60.9	57.3	2.21
Oxford .....	69.3	53.0	58.8	56.0	2.21
Cambridge .....	71.3	51.8	60.0	57.1	2.19
Yarmouth .....	66.3	54.8	60.5	57.6	2.15

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 elongated anticyclone extending from the Bay of Biscay to S. Germany.  
Lowest 29.6 ins. and less in a depression lying over the northern part of the Baltic; 29.7 ins. and less in another system lying off the west of Scotland.  
Gradients slight generally. Barometer falling a little in most parts of the United Kingdom, and also in the west of France, but rising elsewhere.

## TEMPERATURE

Highest 71° at Lisbon, 69° at Nice and Perpignan, 67° at Loughborough and Cambridge, 66° at Lyons and Biarritz, and 65° at Charnmouth.  
Lowest 50° at Lumburg Head, 54° at Wick, 55° at Hain, Aberdeen and Leith, and 56° at Shields.  
The highest maxima registered over our Islands yesterday were 70° at Dungeness, Cambridge and in London, and 69° at Dover.

## WIND

Moderate or fresh from the SW<sup>W</sup> over the greater part of Ireland and England, but light from the SE<sup>W</sup> in Scotland.  
Variable in the north of Scandinavia, light from the NW<sup>W</sup> in the south of Sweden; moderate or fresh from the NW<sup>W</sup> in Denmark and the south of Norway, and from the W<sup>W</sup> in Germany.  
Light from E. in the southwest of France.

## WEATHER

Fine on the south and southeast coasts of England, as well as at most of the Continental stations.  
Dull in all the more western and northern parts of the United Kingdom, with rain in the north of England, as well as at many of the Irish stations.  
Since yesterday morning 0.5 in. of rain has fallen at York, 0.6 in. at Belmullet, and 0.8 in. at Mullaghmore.

## SEA

Rough at Cape Gris Nez and rather rough at Holyhead and Valencia Island, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the west of Scotland seems inclined to move north-eastwards but secondary disturbances are likely to appear over Ireland and England, so that some extension of unsettled showery weather is probable.

## FORECASTS

For the 24 hours ending at NOON on 15<sup>th</sup> AUGUST 1891.

### DISTRICTS.

### FORECASTS.

- |   |                  |  |
|---|------------------|--|
| 0 | SCOTLAND NORTH   | { SE <sup>W</sup> to S <sup>W</sup> winds, light; cloudy, some rain.                             |
| 1 | SCOTLAND EAST    |  |
| 2 | ENGLAND N.E.     | { SW <sup>W</sup> and S <sup>W</sup> winds, light; dull and rainy at first, but improving later. |
| 3 | ENGLAND EAST     |  |
| 4 | MIDLAND COUNTIES | { SW <sup>W</sup> winds, moderate or fresh; fair generally, but local showers.                   |
| 5 | ENGLAND SOUTH    |  |

### DISTRICTS.

### FORECASTS.

- |    |               |  |
|----|---------------|--|
| 6  | SCOTLAND WEST | { SW <sup>W</sup> to W <sup>W</sup> winds, moderate; dull and rainy at first, but improving later. |
| 7  | ENGLAND N.W.  |  |
| 8  | ENGLAND S.W.  | Same as Nos. 3. to 5.  |
| 9  | IRELAND NORTH | { SW <sup>W</sup> and W <sup>W</sup> winds, fresh; changeable, some showers.                       |
| 10 | IRELAND SOUTH |  |

### WARNINGS

None Issued.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

THER: WIND								THER: WIND							
BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA	
Skudesnaes ...	29.56	62	55	nnw	6	c	3	Holyhead ...	29.99	56	56	sw	3	dm g	3
Sumburgh Head	29.70	57	56	nnw	2	c	2	Valencia ...	30.04	63	63	nnw	5	om	5
Stornoway ...	29.81	56	55	s	3	c	3	Scilly ...	30.15	65	63	nnw	4	m	5
Aberdeen ...	29.81	63	55	nw	3	bc	3	Jersey ...	30.20	66	63	w	4	om	3
Shields ...	29.87	64	58	w	3	c	2	Dungeness ...	30.03	66	62	w	6	bc	5
Ardrossan ...	29.89	60	55	sw	3	c	2	London ...	30.04	70	62	w	2	o	*
Malin Head ...	29.88	59	53	z	0	o	2	Yarmouth ...	29.96	65	58	nw	4	bc	3
Mullaghmore ...	29.89	59	57	ne	1	ot	3	Rocheport ...	30.25	71	68	nnw	3	c	*
Belmullet ...	29.88	61	60	sw	2	om	*								

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

Weather fine over nearly the whole of Great Britain as well as over the northern parts of Russia and Scandinavia and the greater part of southern and eastern Europe. Dull elsewhere with rain at some of the Irish stations and also in Denmark, eastern Germany and the south of Sweden. Dull weather spreading later from the westward to nearly all parts of Great Britain; rain falling in the west and north generally, - heavily in the north of Ireland.

Temperature highest 79° at Brindisi, 78° at Barcelona, Sfax and Constantinople, and 76° at Trieste, Toulon and Malta; above 70° at nearly all the Adriatic and Mediterranean stations and above 60° in the west of Norway and many parts of England and Ireland. Lowest 46° at Archangel, 52° at Sumburgh Head, 53° at St. Petersburg, 54° at Uleaborg, and 55° at Leno, Stornoway, Wick, Naism and Parsonstown. Rising later to between 65° and 70° in many parts of the United Kingdom to 80° or more in the south of France, and to 95° at Lisbon.

Wind light to fresh from the W<sup>nd</sup> in most of the western and central countries but SW<sup>nd</sup> or S<sup>nd</sup> in the west of Ireland. Light from the SW<sup>nd</sup> over eastern Germany, from the S<sup>nd</sup> in Russia and from E<sup>nd</sup> at most of the Scandinavian stations. Light from the NW<sup>nd</sup> or NW<sup>nd</sup> in Italy and Tunis but very variable over Spain, Algeria and the south of France. Subsequently backing to the SW<sup>nd</sup> in all the more western parts of the United Kingdom.

Barometer highest 30.2 ins. and upwards in an anticyclone extending from the Bay of Biscay and France across the northeast of Spain to Algeria; 30.0 ins. and upwards over Russia. Lowest 29.4 ins. and less in a well marked depression lying in the neighbourhood of the Skager Rack. Depression subsequently moving slowly eastwards but new disturbance beginning to approach our northwest coasts 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.

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„ Weekly „ „ „ „ £1 10 0 „



# DAILY WEATHER REPORT.

for *Saturday, 15<sup>th</sup> August, 1891.*  
*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 12.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.83	56	Z	0	b	29.86	+0.2	59	53	0	E	2	b	*	72	43	-
	Hernösand ...	29.79	59	Z	0	b	29.82	+1.0	61	56	+1	NNE	2	c	*	72	54	-
	Stockholm ...	29.67	57	N	2	c	29.73	+1.6	60	56	+1	NW	2	b	*	64	52	-
	Wisby ...	29.64	60	NW	4	bc	29.71	+1.7	59	57	-1	NW	4	0	*	66	48	-
	Bodö ...	29.78	62	E	1	b	29.87	+1.1	57	54	-7	Z	0	b	*	68	52	-
	Christiansund	29.82	58	N	2	f	29.78	+0.5	59	56	0	NE	3	f	2	61	57	-
	Skudesnaes ...	29.84	57	Z	0	0	29.76	-0.6	59	55	+1	SSE	4	0	3	66	52	-
	Christiania Fjord (Færder)	29.76	63	N	3	b	29.79	+1.0	62	59	+3	SSW	2	bc	2	66	59	-
	Skagen (The Scaw)	29.75	62	NW	1	b	29.80	+1.2	58	55	-2	SSE	1	c	0	66	54	-
	Fanö ...	29.89	56	Z	0	c	29.81	-0.3	60	60	+2	SSW	2	0	*	63	55	-
BRITISH ISLANDS.	Sumburgh Head	29.81	54	ESE	1	c	29.67	-1.5	53	53	+3	E	1	T	2	56	48	0.20
	Stornoway ...	29.69	54	NE	2	f	29.62	-1.2	54	54	-2	NW	2	T	2	56	52	0.70
	Wick ...	29.73	54	SE	2	T	29.59	-1.6	56	56	+2	SW	1	d	0	58	52	0.32
	Nairn ...	29.70	60	Z	0	0	29.63	-1.3	57	55	+2	N	1	bc	1	61	53	0.03
	Aberdeen ...	29.76	55	SSE	2	om	29.65	-1.8	59	55	+4	N	1	c	1	59	52	0.06
	Leith ...	29.79	60	WSW	2	0	29.71	-0.9	58	54	+3	SW	3	b	*	67	53	0.04
	Shields ...	29.82	68	N	3	bc	29.78	-0.5	57	54	+1	SSW	2	c	2	72	54	-
	Spurn Head ...	29.89	64	N	4	c	29.82	-0.8	60	58	-3	SSW	2	0	2	66	59	0.05
	York ...	29.91	65	N	2	c	29.84	-0.7	57	55	-5	N	2	0	*	69	51	0.25
	Loughborough	29.98	67	WSW	2	c	29.89	-0.9	57	55	-10	N	2	og	*	74	57	0.01
GERMANY & HOLLAND.	Ardrossan ...	29.81	60	WSW	3	op	29.76	-0.3	57	54	-1	SW	3	c	2	60	54	-
	Malin Head ...	29.81	58	WSW	4	odp	29.76	-0.1	55	53	-4	SSW	3	bc p	2	61	52	0.02
	Mullaghmore ...	29.89	58	SW	5	c	29.80	-0.4	56	54	-2	WSW	2	bc p	2	62	54	0.16
	Belmullet ...	29.91	56	WSW	3	0	29.85	-0.1	57	54	-1	NW	2	bc	*	60	54	0.16
	Donaghadee ...	29.85	67	N	3	c	29.81	-0.3	56	55	-8	N	3	c	1	69	53	0.01
	Liverpool (Bidston)	29.93	63	SW	3	0	29.85	-0.9	58	54	-3	WSW	3	bc	3	64	55	0.18
	Holyhead ...	29.94	59	WSW	2	c	29.87	-0.6	58	55	-1	WSW	4	cq	3	63	55	0.02
	Parsonstown ...	29.95	60	SW	2	c	29.87	-0.7	57	54	-3	SW	2	c	*	64	54	0.03
	Valencia ...	30.01	61	WSW	3	c	29.97	-0.4	60	57	-1	N	4	op	5	62	55	0.05
	Roche's Point...	30.00	62	SW	4	c	29.97	-0.4	58	55	-3	N	3	b	3	66	55	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.92	58	SW	4	0	29.94	-1.0	58	57	-2	WSW	4	bc	4	61	56	0.02
	Scilly ...	30.08	62	SW	4	m	30.02	-1.0	60	59	-2	WNW	3	c	3	63	58	0.01
	Prawle Point ...	30.10	60	N	3	bc	30.00	-1.5	59	59	-1	WSW	2	c	1	63	56	0.07
	Jersey (St. Aubin's)	30.12	66	NW	3	b	30.03	-1.8	60	58	-3	WNW	3	cq	3	67	57	-
	Hurst Castle ...	30.09	63	WSW	4	bc	29.98	-1.5	61	61	-2	WSW	2	odm	2	66	59	-
	Dungeness ...	30.04	63	N	6	bc	29.96	-1.3	60	58	-1	WSW	6	0	3	67	57	-
	London ...	30.03	69	SW	3	0	29.92	-1.6	66	62	+2	WSW	2	0	*	76	58	-
	Oxford ...	30.03	64	WSW	3	0	29.92	-1.5	59	58	-3	SW	3	od	*	73	59	-
	Cambridge ...	29.99	70	SW	1	bc	29.89	-1.2	65	61	-2	SW	1	c	*	76	58	-
	Yarmouth ...	29.96	72	N	3	bc	29.90	-0.7	63	60	-2	N	3	bc	2	74	58	-
GERMANY & HOLLAND.	Cuxhaven ...	29.94	61	Z	0	T	29.90	-0.4	62	61	+1	SW	2	0	*	64	60	0.04
	Berlin ...	29.95	62	N	2	0	29.95	+0.2	61	59	+3	N	2	0	*	68	57	0.04
	Wiesbaden ...	*	*	*	*	*	30.06	-0.6	60	57	-4	SW	1	b	*	73	54	-
	Munich ...	30.19	63	N	2	c	30.14	-0.9	64	60	+1	SW	4	b	*	73	55	0.04
	The Helder ...	30.00	62	WSW	1	T	29.93	-0.6	62	61	+2	WSW	1	c	2	64	59	0.28
	Brussels (9 a.m.)	*	*	*	*	*	30.00	-0.9	57	56	-6	S	2	m	*	73	54	-
	Cape Gris Nez	30.06	61	SW	5	c	29.98	-1.1	57	57	-2	SW	4	f	4	64	55	-
	Paris ...	30.11	73	Z	0	b	30.02	-2.0	61	60	-3	Z	0	b	*	79	55	-
	Brest ...	?	64	WSW	1	b	?	?	58	58	-2	N	1	m	2	73	54	-
	Lorient ...	30.13	73	Z	0	b	30.02	-1.9	58	57	0	NE	2	m	2	75	54	-
FRANCE AND BELGIUM.	Rocheport ...	30.02	79	NW	3	b	29.86	-3.2	67	64	+3	NE	3	tl	*	86	63	-
	Belfort ...	?	65	N	3	b	?	?	62	57	?	N	4	b	*	77	51	-
	Lyons ...	30.10	78	NNE	1	b	30.06	-1.8	66	60	0	ESE	1	b	*	85	59	-
	Nice ...	30.07	70	SW	4	b	30.06	-0.4	71	66	+2	SE	1	b	0	79	61	-
	Perpignan ...	30.05	79	SE	2	b	?	?	71	67	+2	?	?	b	*	71	62	-
	Biarritz ...	30.02	80	E	2	b	29.96	-1.9	68	67	+2	WNW	4	0	2	95	66	-
GERMANY & HOLLAND.	Corunna ...	*	*	*	*	*	30.12	+0.4	64	59	-8	N	3	b	2	88	61	-
	Lisbon ...	30.02	76	WSW	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 Saturday, 15<sup>th</sup> Aug., 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 show the prevalent winds. They fly with the wind and

their bars and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

— dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

— Rough. — High.

## MEAN HEIGHT OF THE BAROMETER

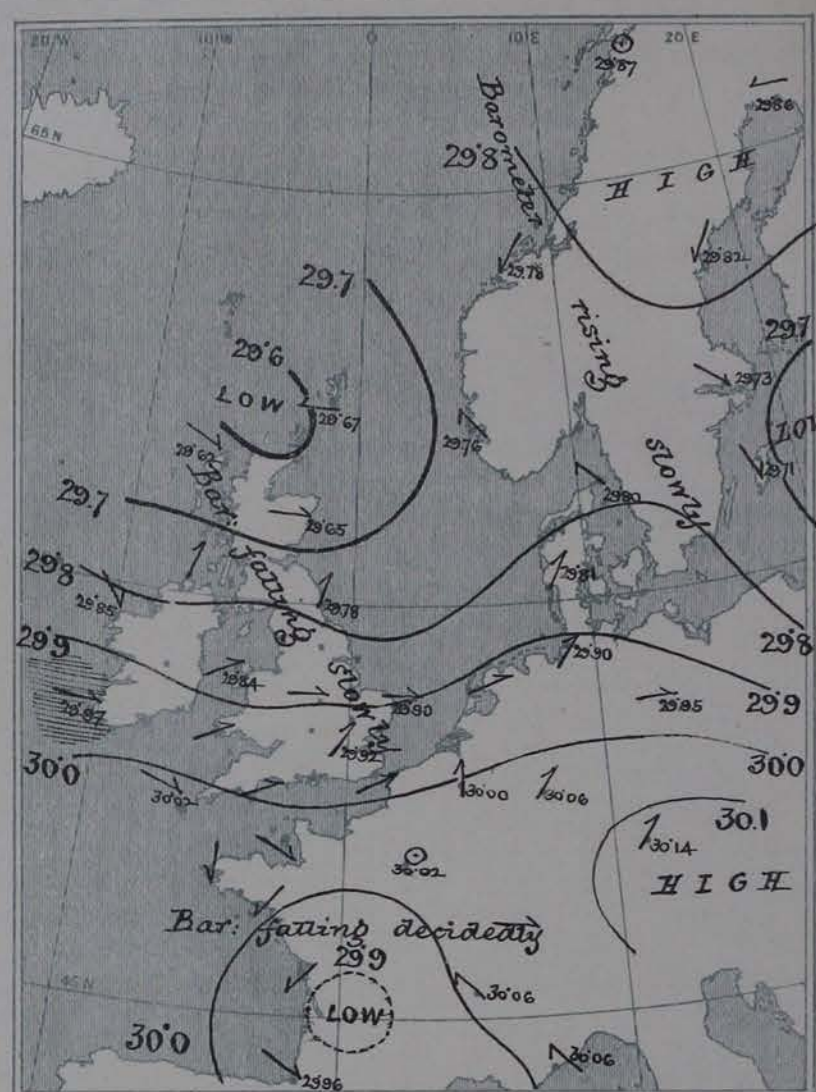
at 8.0 a.m. for the month of August

During the 20 Years: 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.790
Wick	29.810
Nairn	29.810
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.928
Ardrossan	29.857
Mullaghnore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Silly	29.962
Prawle Point	29.975
Jersey	29.981
Hurst Castle	29.965
Dover	29.947
LONDON	29.941
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER**—is shown by Letters of the Beaufort Scale.

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

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
Sumburgh Head	57.7	48.4	53.4	51.7	3.16
Stornoway	59.8	48.8	54.9	53.2	3.07
Wick	61.1	48.3	55.2	53.2	2.57
Nairn	63.4	50.3	55.5	52.7	2.75
Aberdeen	63.1	50.1	56.5	53.4	3.03
Leith	65.7	51.3	57.5	54.4	2.50
Shields	63.0	51.9	57.2	54.5	2.85
Spurn Head	64.3	55.0	58.8	56.0	1.86
York	67.9	51.3	57.7	55.0	2.54
Loughborough	70.4	61.8	59.3	56.9	2.53
Ardrossan	67.6	52.8	57.2	54.8	3.78
Mullaghnore	69.3	53.8	57.3	54.5	3.65
Donaghadee	62.2	52.2	56.9	55.3	3.04
Holyhead	61.1	54.8	58.4	56.2	2.77
Liverpool	65.8	51.1	58.5	55.2	2.83
Parsonstown	66.0	51.4	57.3	55.2	3.38
Valencia	64.7	54.1	59.3	56.9	4.70
Roche's Point	66.1	53.8	58.9	56.3	3.62
Pembroke	63.2	55.6	58.6	56.5	2.77
Silly	64.9	57.0	60.9	58.8	2.30
Prawle Point	65.3	51.4	60.1	57.9	2.14
Jersey	68.8	57.1	62.8	59.6	2.24
Hurst Castle	68.1	55.9	61.0	58.9	2.28
Dover	67.2	56.7	62.0	58.6	2.04
LONDON	71.8	53.5	60.9	57.3	2.21
Oxford	69.3	53.0	58.8	56.0	2.24
Cambridge	71.3	51.8	60.0	57.1	2.19
Yarmouth	66.3	54.8	60.5	57.0	2.15

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	<p><u>Highest</u> 30.1 ins. and upwards over South Germany; 30.0 ins. and upwards in a narrow belt extending thence across the east and north of France to our own southwest coasts.</p> <p><u>Lowest</u> 29.6 ins. and less in a depression lying off the north of Scotland; 29.7 ins. and less in another lying over the northern parts of the Baltic; 29.9 ins. and less in a third lying over the southwest of France.</p> <p><u>Gradients</u> slight. <u>Barometer</u> falling at all but the Swedish stations, - most in the west of France.</p>
TEMPERATURE	<p><u>Highest</u> 71° at Nice and Perpignan, 68° at Biarritz, 67° at Brussels and Rochefort, &amp; 66° in London and at Lyons.</p> <p><u>Lowest</u> 53° at Lavalburgh Head, 54° at Stornoway, 55° at Malin Head, and 56° at Wick, Mullaghmore &amp; Donaghadee.</p> <p>The highest maxima registered over our Islands yesterday were 76° in London and at Cambridge, and 74° at Loughborough and Harmouth.</p>
WIND	<p>Light or moderate from the W<sup>nd</sup> or S.W.<sup>nd</sup> over the greater part of our Islands, &amp; also over Germany &amp; the Netherlands.</p> <p>S.E.<sup>ly</sup> on the eastern shores of the North Sea; N.E.<sup>ly</sup> in the north of Scandinavia; N.W.<sup>ly</sup> in the south of Sweden.</p> <p>A cyclonic circulation of light winds is reported over the southern parts of France.</p>
WEATHER	<p>Fine in some parts of the United Kingdom, but cloudy on the whole, with local showers &amp; heavy rain in the north of Scotland.</p> <p>Dull in the W. of France, with a thunderstorm at Rochefort; fine in Sweden as well as in S. Germany &amp; the E. &amp; S. of France.</p> <p>Rain fell yesterday in all the more western and northern parts of the Kingdom. (The newspapers report very heavy rain in some parts of Lancashire.)</p>
SEA	<p>Slight or smooth generally, but rather rough at Valencia Islands.</p>

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small depression over the south west of France is likely to spread northwards, and thunderstorms are therefore probable over our southern and southeastern counties.

## FORECASTS

For the 24 hours ending at NOON on 16<sup>TH</sup> AUGUST 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W <sup>ly</sup> and S.W <sup>ly</sup> winds, light; rainy to fair.	6 SCOTLAND WEST	Same as Nos 1. and 2.
1 SCOTLAND EAST	S.W <sup>ly</sup> winds, light; changeable, some showers.	7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	W <sup>ly</sup> to N.W <sup>ly</sup> or N <sup>ly</sup> winds, light, fair to unsettled and some rain, possibly thunder.
3 ENGLAND EAST	S.W <sup>ly</sup> to variable breezes; cloudy, some rain, thunder locally.	9 IRELAND NORTH	W <sup>ly</sup> winds, light; changeable, some showers.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as No 8.
5 ENGLAND SOUTH			None Issued.
		WARNINGS	

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.84	66	57	WNW	2	c	3	Holyhead ...	29.95	62	60	SW	4	cqm	4
Sumburgh Head ...	29.81	53	51	NE	1	c	2	Valencia ...	30.04	61	59	W	3	op	4
Stornoway ...	29.71	54	54	W	0	T	2	Scilly ...	30.11	68	63	SW	4	bc	4
Aberdeen ...	29.79	55	54	SEE	2	0	1	Jersey ...	30.18	66	62	WSW	3	c	3
Shields ...	29.80	72	64	W	3	c	2	Dungeness ...	30.08	67	62	W	6	bc	4
Ardrossan ...	29.82	60	58	WSW	3	0	2	London ...	30.05	74	66	WSW	3	c	*
Mulin Head ...	29.78	61	59	WSW	5	0	2	Yarmouth ...	29.97	74	66	W	3	b	2
Mullaghmore ...	29.88	59	58	SW	5	od	3	Rochefort ...	?	81	74	NW	3	b	2
Belmullet ...	29.91	60	57	WSW	3	0	*								

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

Weather fine in the south and southeast of England as well as over the greater part of the Continent, but dull over Finland, Sweden and the Baltic, with rain at Riga. Dull also in all the more western and northern parts of the United Kingdom, with rain in the north of England, as well as at many of the Irish stations. Rain extending later to Scotland and small amounts falling in many parts of Germany.

Temperatures highest 83° at Oporto, 81° at Barcelona, 79° at Brindisi, and 78° at Bilbao and Constantinople, above 70° in most parts of southern and eastern Europe, and above 65° at some of the English stations. Lowest 49° at Archangel, 50° at Sumburgh Head, 54° at Wick, and 55° at Nairn, Aberdeen and Leith, below 60° in the northern parts of our Islands generally, and also in most parts of northern and central Europe. Rising during day to a little above 75° at some of the inland English stations to 80° or more in France, & to 95° at Biarritz.

Wind moderate or fresh from the SW<sup>nd</sup> over the greater part of Ireland and England but light from the south-eastward in Scotland. Light from E<sup>nd</sup> over Finland and the north of Scandinavia, moderate from NW<sup>nd</sup> in Denmark and the south of Norway; fresh or strong from the W<sup>nd</sup> over Germany and Austria, E<sup>nd</sup> in the southwest of France and NE<sup>nd</sup> in Spain, but variable in Italy and Austria. No important change occurring during day.

Barometer highest 30.2 ins. and upwards in an anticyclone extending from the Bay of Biscay to South Germany, and also in a smaller system lying over the southeast of Spain. Lowest 29.5 ins. and less in a well marked depression over the Baltic Provinces; 29.7 ins. and less in a small shallow system lying off the west of Scotland. Latter disturbance subsequently moving north-eastwards; decided fall of barometer setting in over France in evening.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
\* AN ASTERISK is inserted in all places for which information is not usually received.  
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 16th August 1891.  
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																	
Victoria Street, London.																	
8 A.M. TO DAY.																	
PAST 24 HOURS.																	
YESTERDAY EVENING.																	
BAROMETER.																	
SHADE TEMP.																	
WIND.																	
SEA.																	
SHADE TEMP.																	
Amount of Rainfall.																	
STATIONS.																	
Reading at 32° F. and Sea Level.																	
Dry.																	
Dirac.																	
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.																	
Dirac.																	
Force (0 to 12.)																	
Weather.																	
Sea (0 to 9.)																	
Max.																	
Min.																	
Amount of Rainfall.																	
SCANDINAVIA.																	
Haparanda ...																	
Hernösand ...																	
Stockholm ...																	
Wisby ...																	
Bodö ...																	
Christiansund																	
Skudesnaes ...																	
Christiania Fjord																	
(Færd)																	
Skagen (The Scaw)																	
Fanö ...																	
Sumburgh Head																	
Stornoway ...																	
Wick ...																	
Nairn ...																	
Aberdeen ...																	
Leith ...																	
Shields ...																	
Spurn Head ...																	
York ...																	
Loughborough																	
Ardrossan ...																	
Malin Head ...																	
Mullaghmore ...																	
Belmullet ...																	
Donaghadee ...																	
LIVERPOOL (Bidston)																	
Holyhead ...																	
Parsonstown ...																	
Valencia ...																	
Roche's Point...																	
Pembroke (St. Ann's Hd.)																	
Scilly ...																	
Prawle Point ...																	
Jersey (St. Aubin's)																	
Hurst Castle ...																	
Dungeness ...																	
London ...																	
Oxford ...																	
Cambridge ...																	
Yarmouth ...																	
Oxhaven ...																	
Berlin ...																	
Wiesbaden ...																	
Munich ...																	
The Helder ...																	
BRUSSELS (9 a.m.)																	
Cape Gris Nez																	
Paris ...																	
Brest ...																	
Lorient ...																	
Rocheport ...																	
Belfort ...																	
Lyons ...																	
Nice ...																	
Perpignan ...																	
Biarritz ...																	
CORUNNA ...																	
Lisbon ...																	



# WEATHER CHARTS

for 8 a.m. on Sunday, 16<sup>th</sup> August, 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 show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

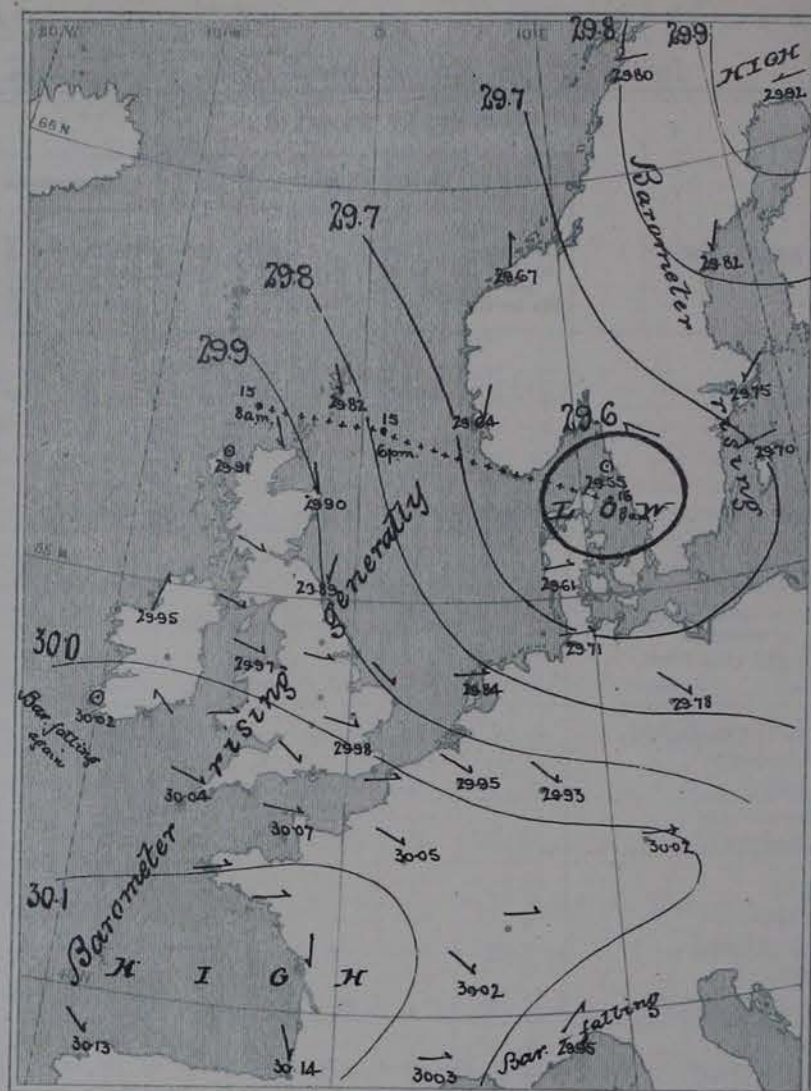
▨ = Rough. ▨ = High.

## MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of August

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sunburgh Head	29.781
Stornoway	29.706
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.903
York	29.906
Loughborough	29.928
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Seilly	29.902
Prawle Point	29.975
Jersey	29.984
Hurst Castle	29.963
Dover	29.949
LONDON	29.934
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 30.1 ins. and upwards in an anticyclone lying over the Bay of Biscay, the west of France and the north of Spain; 29.9 ins. and upwards in the north of Sweden.  
Lowest 29.6 ins. and less in a depression lying over the north of Denmark.  
Gradients slight. Barometer rising in most parts of our Islands & France, but beginning to fall at Valencia, <sup>Islands</sup>

## TEMPERATURE

Highest 72° at Perpignan, 71° at Belfort, 70° at Lisbon, 68° at Lyons and Biarritz, and 67° at Nice.  
Lowest 50° at Lumburgh Head, 51° at Wick, 53° at Stormorway, Nairn and Aberdeen, and 54° at Shields.  
 The highest maxima registered over our Islands yesterday were 71° in London, and 70° at Cambridge.

## WIND

Light from the NW<sup>W</sup> over Great Britain and France, but backing to the S<sup>W</sup> in Ireland, moderate from the W<sup>W</sup> over Germany and the Netherlands.  
 Light or moderate from the E<sup>W</sup> or NE<sup>W</sup> at the Scandinavian stations.

## WEATHER

Fair over the greater part of western Europe, but dull on the west coasts of Ireland and France.  
 Rain is falling at Prague and Munich.  
 Rain fell yesterday in the N. and E. of our Islands, as well as in Denmark and Germany.

## SEA

Slight or smooth on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS

For the 24 hours ending at NOON on 17 AUGUST 1891.

### DISTRICTS.

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

### FORECASTS.

NONE ISSUED

### DISTRICTS.

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

### WARNINGS

### FORECASTS.

NONE ISSUED

NONE ISSUED

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA			BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.						D.	W.	D.	F.		
Skudeanaes ...	29.73	59	53	SE	4	0	3			Holyhead ...	29.86	63	58	SW	4	6
Sumburgh Head ...	29.63	52	52	NE	1	7	3			Valencia ...	30.01	62	53	W	4	0
Stornoway ...	29.70	53	53	N	4	0	4			Scilly ...	30.04	63	59	WNW	3	3
Aberdeen ...	29.64	63	56	WNW	3	C	1			Jersey ...	30.03	65	61	WNW	3	C
Shields ...	29.72	64	58	W	3	C	2			Dungeness ...	29.91	62	61	WNW	5	0
Ardrossan ...	29.76	60	53	W	4	C	2			London ...	29.88	70	55	W	3	6C
Malin Head ...	29.81	58	53	WNW	4	6C	2			Yarmouth ...	29.83	63	60	NW	2	6C
Mullaghmore ...	29.88	60	57	WNW	5	6C	2			Rocheport ...	?	58	77	E	3	6C
Belmullet ...	29.92	59	53	WNW	2	6C	*									

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

Weather varying greatly over the United Kingdom; fine in some places but cloudy and showery in others; heavy rain falling in the Shetlands and Hebrides. Fine and bright over the greater part of the Continent, but dull over Finland, the Baltic, Denmark and the north and east of Germany, with rain at Helsingfors and Memel; cloudy also in the west of France with a thunderstorm at Rocheport. General improvement taking place over our Islands later, but they becoming cloudy in France and thunderstorms occurring at some of the German stations.

Temperature highest 85° at Barcelona and Nemours, 79° at Brindisi and Constantinople and 78° at Sfax; above 70° over the greater part of southern Europe and varying between 60° and 65° in the southeast of England. Lowest (1) 43° at Archangel, 54° at St. Petersburg, and 55° at Uleaborg, Helsingfors and Moscow; (2) 53° at Sumburgh Head, 54° at Stornoway, and 55° at Malin Head; below 60° in most parts of northwestern, northern and central Europe but a little above that level in the south of Scandinavia. Rising during day to between 65° and 70° over the greater part of the United Kingdom, and to 80° or more in most parts of France and southern Europe, the highest readings of all being 99° at Rocheport, and 97° at Madrid.

Wind light or moderate from the W<sup>nd</sup> or SW<sup>nd</sup> over the greater part of our Islands and central Europe but SE<sup>nd</sup> on the eastern shores of the North Sea. NE<sup>nd</sup> in Finland, NW<sup>nd</sup> over the Baltic, and W<sup>nd</sup> or SW<sup>nd</sup> over central Russia. Cyclonic circulations of light winds reported over the southern parts of France but very variable breezes over Italy and Algeria. Subsequently veering to the NW<sup>nd</sup> in the north of Scotland and shifting to the NW<sup>nd</sup> over the greater part of France.

Barometer highest 30.0 ins. and upwards in a large anticyclone covering the greater part of central and southern Europe with the addition of France and the Channel, but below 29.9 ins. in a small shallow depression lying over the southwest of France. Lowest 29.4 ins. and less in a well defined cyclonic disturbance lying over the Baltic Provinces; 29.6 ins. and less in a shallow system lying off the north of Scotland. Both depressions subsequently moving eastwards; new but shallow disturbances appearing over central Spain in evening.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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„ Weekly „ „ „ £1 10 0 „



# DAILY WEATHER REPORT.

for *Monday, 17<sup>th</sup> August, 1891.*  
 Issued by the Meteorological Office, 63, Victoria Street, London. *R. H. SCOTT, Secretary.*

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 4.)	SHADE TEMP.		Amount of Rainfall.		
	Reading at 32° F. and Sea Level.	Dry.	Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)		Max.	Min.			
SCANDINAVIA.	Haparanda ...	29.91	51	Z	0	0	29.96	+0.04	53	50	-5	Z	0	bc	*	72	45	-
	Hernösand ...	29.86	54	N	2	b	29.92	+0.10	54	51	-3	EHE	2	bc	*	77	43	-
	Stockholm ...	29.79	59	EHE	2	0	29.82	+0.07	62	56	+2	NE	2	b	*	68	48	-
	Wishy ...	29.82	62	Z	0	b	29.86	+0.06	63	51	-2	E	2	b	*	73	55	-
	Bodö ...	29.82	62	Z	0	b	29.86	+0.06	63	51	-2	E	2	b	*	73	55	-
	Christiansund	29.80	58	NW	1	T	29.95	+0.28	55	53	-4	NE	1	r	1	61	54	0.75
	Skudesnaes ...	29.81	57	NW	5	0	29.91	+0.27	59	55	-4	NW	4	c	2	63	54	0.04
	Christiania Fjord (Færdar)	29.73	61	N	2	b	29.89	+0.26	59	55	-2	NNE	3	b	2	66	59	-
	Skagen (The Scaw)	29.67	59	E	1	c	29.84	+0.29	60	57	+3	E	3	b	1	61	57	0.04
	Fanö ...	29.75	57	Z	0	T	29.85	+0.24	61	58	+4	N	2	bc	*	63	54	-
BRITISH ISLANDS.	Sumburgh Head	29.89	52	NW	2	c	29.94	+0.12	53	52	+3	Z	0	c	1	55	42	-
	Stornoway ...	29.92	54	SE	2	0	29.73	-0.18	55	54	+2	SE	4	c	4	57	47	-
	Wick ...	29.95	53	E	1	b	29.89	-0.02	53	51	+2	SE	4	b	1	61	47	-
	Nairn ...	29.92	56	NE	2	c	29.81	-0.10	58	53	+5	ESE	2	c	1	60	43	-
	Aberdeen ...	29.99	51	EHE	3	c	29.92	+0.02	52	49	-1	SE	3	0	4	59	44	-
	Leith ...	29.93	59	SEE	4	0	29.86	-0.05	54	52	-4	SE	1	0	*	62	47	-
	Shields ...	29.98	54	NE	1	c	29.90	+0.01	56	54	+2	SE	4	0	3	58	49	-
	Spurn Head ...	29.99	56	NHE	2	0	29.93	+0.05	58	55	+1	SE	5	c	4	60	54	-
	York ...	30.00	56	NE	1	0	29.92	-0.01	57	55	0	SEE	1	c	*	60	49	0.01
	Loughborough	30.00	63	NW	1	0	29.93	-0.04	60	56	+2	GSE	2	cw	*	67	51	-
GERMANY & HOLLAND.	Ardrossan ...	29.91	59	SSW	3	b	29.75	-0.17	55	53	-4	E	5	r	4	63	49	-
	Malin Head ...	29.90	56	ESE	3	op	29.50	-0.43	54	53	-1	SE	6	ogr	3	60	53	0.06
	Mullaghmore ...	29.88	61	SEE	2	0	29.44	-0.54	57	57	+2	SE	7	ogr	6	63	56	0.16
	Belmullet ...	29.88	60	SW	3	bc	29.38	-0.58	60	59	+1	S	4	0	*	63	56	0.13
	Donaghadee ...	29.95	58	SSW	2	0	29.62	-0.33	55	54	-3	SSE	4	r	2	61	55	0.04
	Liverpool (Bidston)	30.00	57	SW	1	0	29.83	-0.13	56	54	-1	SE	3	0	3	64	53	-
	Holyhead ...	29.90	59	SW	2	cq	29.76	-0.21	59	55	0	SSE	5	ogu	4	63	51	-
	Parsonstown ...	29.93	62	Z	0	c	29.52	-0.47	61	60	+4	Z	0	r	*	64	55	0.35
	Valencia ...	29.88	57	SE	4	tm	29.52	-0.50	60	59	0	NSW	5	og	5	62	56	0.49
	Roche's Point...	29.98	58	SW	3	T	29.57	-0.45	58	58	0	SSW	4	rm	4	63	55	0.96
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.02	59	SW	2	bc	29.74	-0.28	59	58	+2	S	5	rgm	5	63	56	0.08
	Scilly ...	30.02	64	S	3	0	29.74	-0.30	61	60	+1	S	5	r	3	67	56	0.23
	Prawle Point ...	30.05	58	NW	1	c	29.88	-0.17	58	58	-2	S	4	gp	3	61	55	0.02
	Jersey (St. Aubin's)	30.08	64	NW	3	b	29.95	-0.12	64	60	+1	SE	4	bc	3	66	53	-
	Hurst Castle ...	30.03	65	WSW	3	bc	29.94	-0.07	61	61	+1	SSW	3	c	1	69	56	-
	Dungeness ...	30.00	62	N	4	c	29.98	+0.01	61	58	+1	NSW	4	bc	2	67	58	-
	London ...	30.00	66	N	2	c	29.95	-0.03	64	58	+4	S	2	bc	*	69	50	-
	Oxford ...	30.02	61	N	1	0	29.94	-0.05	57	54	0	SSE	1	bc	*	66	49	-
	Cambridge ...	30.00	63	Z	0	0	29.95	-0.00	60	56	0	NW	1	b	*	68	52	-
	Yarmouth ...	30.00	59	N	2	cv	29.98	+0.01	60	59	+1	SE	4	b	3	62	55	-
GERMANY & HOLLAND.	Cuxhaven ...	29.74	60	NW	7	0	29.85	+0.14	61	60	+1	NW	5	c	*	62	59	0.04
	Berlin ...	29.82	63	N	5	0	29.90	+0.12	56	55	-3	NW	4	r	*	68	55	0.08
	Wiesbaden ...	*	*	*	*	*	30.06	+0.13	61	56	-1	Z	0	bc	*	70	57	-
	Munich ...	30.08	61	SW	3	c	30.10	+0.08	60	56	-4	NW	2	c	*	68	55	0.28
	The Helder ...	30.01	58	NW	2	c	30.04	+0.20	58	54	-1	NW	1	b	1	61	57	-
	Brussels (9 a.m.)	*	*	*	*	*	29.98	+0.04	60	58	+3	SW	3	c	3	64	54	-
	Cape Gris Nez	30.01	64	SW	4	c	30.04	-0.01	59	57	-1	NE	1	b	*	72	52	-
	Paris ...	30.06	68	NW	2	b	?	?	60	60	+1	SSE	4	0	4	73	57	-
	Brest ...	?	68	WSW	1	b	?	?	60	60	+1	SSE	1	c	2	68	55	-
	Lorient ...	30.10	64	N	3	b	29.97	-0.15	60	59	0	SSE	1	c	2	68	55	-
FRANCE AND BELGIUM.	Rocheport ...	?	67	NW	4	bc	?	?	62	59	-2	NW	2	b	*	72	57	-
	Belfort ...	30.04	64	SW	4	bc	30.08	?	63	57	-3	SW	2	b	*	71	44	-
	Lyons ...	?	?	?	?	?	29.93	-0.02	68	66	+1	NE	1	b	0	79	63	-
	Nice ...	29.91	68	W	3	b	29.99	-0.04	69	64	-3	W	2	b	*	84	60	-
	Perpignan ...	29.99	78	NHE	3	b	30.00	-0.14	65	62	-3	ESE	2	c	2	75	63	-
	Biarritz ...	30.10	70	NHE	3	b	30.00	-0.14	65	62	-3	ESE	2	c	2	75	63	-
	Corunna ...	*	*	*	*	*	30.04	-0.03	64	60	-6	N	4	b	2	84	63	-
	Lisbon ...	30.01	70	NW	5	b	30.04	-0.03	64	60	-6	N	4	b	2	84	63	-
	Corunna ...	*	*	*	*	*	30.04	-0.03	64	60	-6	N	4	b	2	84	63	-
	Lisbon ...	30.01	70	NW	5	b	30.04	-0.03	64	60	-6	N	4	b	2	84	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 Monday, 17<sup>th</sup> August, 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

≡ = Rough. ≡ = High.

## MEAN HEIGHT OF THE BAROMETER

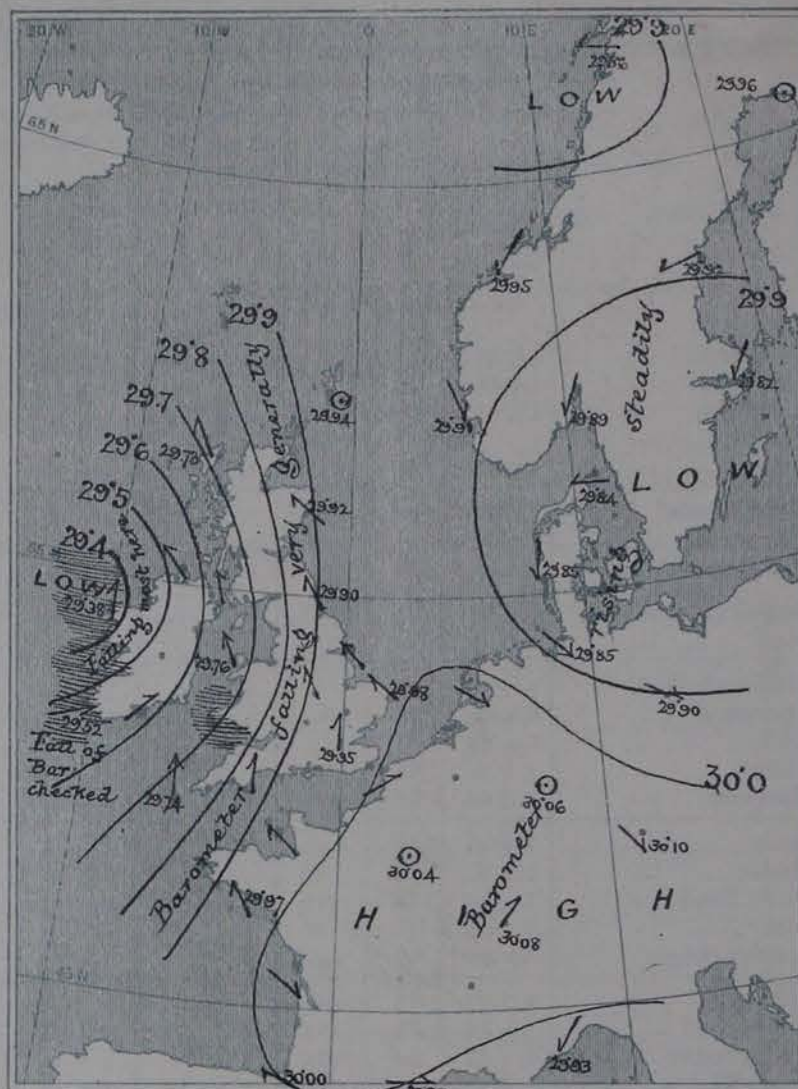
at 8.0 a.m. for the month of August

During the 20 Years: 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.874
Spurn Head	29.903
York	29.906
Loughborough	29.923
Ardrossan	29.937
Mullaghnore	29.958
Donaghadee	29.979
Holyhead	29.997
Liverpool	29.996
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Scilly	29.902
Prawle Point	29.875
Jersey	29.984
Hurst Castle	29.985
Dover	29.949
LONDON	29.954
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 30.0 ins. and upwards in an anticyclone lying over France, the Netherlands and South Germany.  
Lowest 29.4 ins. and less in a depression the centre of which lies off the west of Ireland.  
Gradients moderate to rather steep over our western and northern coasts but slight elsewhere.  
Barometer falling in all parts of our Islands and France, - briskly in the NW. - but rising elsewhere.

## TEMPERATURE

Highest 69° at Perpignan, 68° at Nice, 65° at Biarritz, 64° in London and at Jersey, 63° at Porto and Belfort.  
Lowest 52° at Aberdeen, 53° at Haparanda, Lumburgh Head and Wick, 54° at Hornsund, Leith and Malin Head.  
The highest maxima registered over our Islands yesterday were 69° at Hurst Castle & in London, 68° at Cambridge.

## WIND

S<sup>3</sup> or SE<sup>2</sup> over the greater part of our Islands and the west of France, but SW<sup>2</sup> in the south of Ireland, strong in force at some of our western stations.  
Light from E. or NE. in Scandinavia; NW<sup>2</sup> or W<sup>2</sup> over Denmark and the Netherlands.

## WEATHER

Rainy over the western parts of the United Kingdom and dull at some of our northern stations.  
Fair over our eastern, midland and southeastern counties, fine and bright at the Continental stations.  
Since yesterday morning 0.8 in. of rain has fallen at Valencia Island, and 1.0 inch at Roche's Point.

## SEA

Rough off the west of Ireland and rather rough at Penbrooke, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the west of Ireland will probably move northwards and occasion a considerable increase of wind from the SE<sup>2</sup> on our extreme north and northwest coasts. In the southwest there are some indications of the advance of secondary disturbances, so that unsettled rainy weather is likely to spread eastwards.

## FORECASTS

For the 24 hours ending at NOON on 18<sup>TH</sup> AUGUST 1891.

### DISTRICTS.

### FORECASTS.

10	SCOTLAND NORTH	SE <sup>2</sup> winds, increasing to a gale; fair to dull and rainy.
1	SCOTLAND EAST	SE <sup>2</sup> winds, freshening; fair to dull and some rain.
2	ENGLAND N.E.	
3	ENGLAND EAST	S <sup>2</sup> winds, freshening; fair to dull and some rain.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

### DISTRICTS.

### FORECASTS.

6	SCOTLAND WEST	SE <sup>2</sup> to SW <sup>2</sup> winds, strong, a gale in places; squally, rain at times.
7	ENGLAND N.W.	S <sup>2</sup> winds, fresh or strong, squally, rain at times.
8	ENGLAND S.W.	
9	IRELAND NORTH	Same as No. 6.
10	IRELAND SOUTH	SW <sup>2</sup> and S <sup>2</sup> winds, fresh or strong, squally, showery.
WARNINGS		The S. cone has been hoisted this morning in districts 6. 8. and 9.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.72	60	58	NNW	6	+	3		Holyhead ...	30.00	63	58	SW	3	2
Sumburgh Head									Valencia ...						
Stornoway ...	29.92	57	55	SE	3	6	3		Scilly ...						
Aberdeen ...									Jersey ...	30.10	64	59	WNW	4	3
Shields ...									Dungeness ...	30.00	63	60	WSW	4	3
Ardrossan ...									London ...						*
Mulin Head ...	29.94	57	54	SE	2	0	1		Yarmouth ...						
Mullaghmore ...									Rocheport ...	?	70	68	NW	3	2
Belmullet ...	29.93	60	55	SSE	1	0	*								

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

Weather fair or fine over by far the greater portion of Europe, but dull on the west coasts of Ireland and France as well as at many of the German stations, and rainy in Denmark. Heavy rain falling in later part of the south of Ireland; smaller amounts falling in many parts of Germany.

Temperature highest 81° at Algiers, 80° at Trieste, 79° at San Remo, and 78° at Barcelona, and in Gallic, above 70° in most parts of Southern Europe. Lowest (1) 42° at Archangel, 53° at Uleaborg and Kieps and 53° at St. Petersburg. (2) 50° at Sumburgh Head, 51° at Wick, and 53° at Stornoway, Nairn and Aberdeen; above 60° at several of the Scandinavian stations, but below that level in all but the extreme southern parts of the United Kingdom. Remaining below 60° all day at some of our northern and northern stations, but rising to between 65° and 69° over our eastern, midland, and southern counties. Exceeding 70° in France and reaching 84° at Perpignan and Lisbon.

Wind lights from the Northwest over Great Britain and France, but backing to the southwest or south in Ireland; varying between North and East in Spain; light and variable in Austria, Italy and Algeria. Moderate from the West over Germany, but E. or NE. over Scandinavia and northern Russia. Subsequently backing to the South-East in the west of Ireland and to the South-West on other parts of our western coast.

Barometer highest 30.1 inches and upwards in an anticyclone lying over the Bay of Biscay, the west of France and the north of Spain; 29.9 inches and upwards over Lapland. Lowest 29.5 inches and less in a small depression lying over Central Russia, 29.6 inches and less in another system over the north of Denmark. Danish depression subsequently moving slowly eastwards and partially filling up but new disturbance beginning to approach the Irish coast from the southwest.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 9<sup>TH</sup> TO THE 15<sup>TH</sup> AUGUST 1891.

The weather of last week was generally unsettled, with frequent falls of rain in all the more western and northern parts of the Kingdom. In the east and southeast of England, however, the showers were on a rule slight and were interspersed with considerable intervals of fine, bright weather.

Barometric pressure has been highest in an anticyclone lying over the Bay of Biscay and France, and lowest over the northern part of the United Kingdom. The prevailing winds over England and Ireland have therefore been Westerly, but in the extreme north there has been considerable variability, and on some occasions the wind in that locality has been Easterly. Several depressions have passed over or near our northern coasts and in many instances these have been accompanied by secondary disturbances which have traversed our Central and southern districts. Of the main systems the principal have been:—

- (1) A well marked depression which formed over the northeast of England on the 10<sup>th</sup>, and which subsequently travelled away to the south of Sweden.
- (2) A 'V' shaped disturbance which appeared off the west of Scotland on the morning of the 11<sup>th</sup>, and which was joined in the succeeding nights by
- (3) A deeper system which shifted the north of Scotland, and which ultimately travelled eastwards across the North Sea and the south of Scandinavia to the northern part of the Baltic.
- (4) A shallow depression which appeared off the west of Scotland on the night of the 13<sup>th</sup>, and which afterwards passed away to the northward of that country. The passage of this system was attended by very heavy rain over the northern parts of England and Ireland. At the close of the week the anticyclone over France was giving way and small disturbances were beginning to appear over the west of that country.

Temperature was uniformly low during the early part of the week but afterwards rose decidedly over England. On the 14<sup>th</sup> maximum readings exceeding 75° were recorded in some parts of our E. and S.E. counties.

### 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 18TH AUGUST. 1891.

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

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.			BAROMETER.		SHADE TEMP.			WIND.					SHADE TEMP.		Amount of Rainfall.
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.		Dir.	Force (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ...	29.91	56	2	0	6c	29.88	-0.03	60	56	+7	N	2	6	*	68	43	—
	Hernösand ...	29.95	55	2	0	6c	29.95	+0.00	56	53	+2	2	0	6	*	77	41	—
	Stockholm ...	29.95	55	2	0	6c	29.95	+0.00	56	53	+2	NW	2	6	*	68	50	—
	Wishby ...	29.94	55	N	4	6	29.90	-0.04	55	53	-2	NW	4	6	*	64	52	—
	Bodö ...	29.90	53	NW	2	0	30.02	+0.12	52	50	-11	SW	1	0	1	66	53	—
	Christiansund ...	29.95	58	NNE	0	0	30.04	+0.09	55	54	+2	ENE	0	6c	2	61	54	—
	Skudesnaes ...	29.96	58	2	0	6c	29.96	+0.00	53	53	+4	ENE	4	6	3	70	54	—
	Christiania Fjord (Færdø)	29.95	64	N	2	6c	30.01	+0.06	60	57	+1	NNE	2	6	1	68	59	—
	Skagen (The Scaw)	29.94	61	N	1	6	29.98	+0.04	62	59	+2	SE	1	6	0	70	57	—
	Fanø ...	29.94	57	2	0	6	29.94	+0.00	62	60	+1	SE	0	6	*	66	54	—
BRITISH ISLANDS.	Sumburgh Head	29.87	54	E	0	C	29.77	-0.10	57	55	+4	SE	0	C	5	58	53	—
	Stornoway ...	29.94	56	SE	6	P	29.91	-0.03	58	55	0	S	2	0	3	55	52	0.80
	Wick ...	29.76	54	SE	6	0	29.80	+0.04	54	54	+1	SE	6	7	5	55	49	0.54
	Nairn ...	29.64	55	SE	2	C	29.55	-0.09	55	56	+1	ENE	1	C	1	62	53	0.26
	Aberdeen ...	29.76	53	SE	7	0.99	29.65	-0.11	55	54	+3	SE	5	0.99	6	56	52	0.91
	Leith ...	29.64	55	SE	2	P	29.55	-0.09	62	60	+4	ENE	1	C	*	63	53	0.20
	Shields ...	29.78	57	SE	4	P	29.60	-0.18	58	55	+2	SE	3	P	4	55	45	0.28
	Spurn Head ...	29.74	60	ENE	6	C	29.65	-0.09	60	59	+2	SE	4	cd	4	61	55	0.12
	York ...	29.77	59	S	2	P	29.63	-0.14	60	60	+0	ENE	1	0	*	64	54	0.41
	Loughborough	29.76	60	SE	0	P	29.65	-0.11	59	58	-1	W	1	cm	*	66	57	0.27
GERMANY & HOLLAND.	Ardrossan ...	29.54	59	E	5	P	29.53	-0.01	59	56	+4	ENE	3	6c	2	59	54	0.49
	Malin Head ...	29.42	55	S	2	0.9	29.44	+0.02	58	53	+1	SE	4	6	2	55	50	0.62
	Mullaghmore ...	29.40	58	N	2	cg	29.38	-0.02	56	53	-3	ENE	6	cg	4	63	52	0.06
	Belmullet ...	29.44	58	NW	0	6	29.44	0.00	58	54	-4	SE	5	8	*	60	51	0.13
	Donaghadee ...	29.47	56	S	4	P	29.55	+0.08	56	56	+1	S	4	6	2	57	54	1.06
	Liverpool (Bidston)	29.61	59	ENE	5	0	29.61	0.00	60	58	+4	SE	1	6	2	61	52	0.22
	Holyhead ...	29.50	60	SE	6	7g	29.55	+0.05	60	55	+1	S	0	6	3	61	53	0.20
	Parsonstown ...	29.47	61	SW	1	C	29.37	-0.10	58	55	-3	2	0	0	*	63	48	0.31
	Valencia ...	29.53	61	NW	0	6cm	29.23	-0.30	59	55	-1	SW	6	0.9	4	64	56	0.24
	Roche's Point ...	29.53	62	W	4	6	29.35	-0.18	57	55	-1	SW	5	6	4	64	54	0.30
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.56	58	SW	4	C	29.56	0.00	59	58	0	S	5	6	5	60	56	0.67
	Scilly ...	29.64	61	W	4	C	29.56	-0.08	62	60	+1	SW	4	6c	5	63	57	0.54
	Prawle Point ...	29.65	59	SE	6	P	29.67	+0.02	59	58	0	SW	3	6	2	59	52	0.55
	Jersey (St. Aubin's)	29.78	66	S	3	0.9	29.72	-0.06	61	59	-2	W	4	6cm	*	64	58	0.81
	Hurst Castle ...	29.75	63	SE	2	cm	29.69	-0.06	60	60	-1	NW	2	C	1	65	59	0.44
	Dungeness ...	29.87	64	SW	2	6c	29.68	-0.19	62	61	+1	SW	3	C	3	67	61	0.04
	London ...	29.80	65	ENE	2	0	29.67	-0.13	61	60	-3	SW	1	0.9	0	71	55	0.22
	Oxford ...	29.74	59	SW	3	P	29.67	-0.07	59	56	0	NW	2	6	*	63	56	0.55
	Cambridge ...	29.80	63	SE	1	70	29.66	-0.14	62	62	+2	S	1	0	*	72	58	0.31
	Yarmouth ...	29.87	62	SE	4	C	29.71	-0.16	62	61	+2	S	5	C	4	63	59	—
PENINSULA.	Cuxhaven ...	29.97	55	NW	3	6	29.97	+0.00	55	55	-4	SE	1	f	*	61	55	—
	Berlin ...	29.95	61	NW	3	0	29.95	+0.00	59	58	+3	E	2	0	*	64	55	0.12
	Wiesbaden ...	30.02	59	NE	1	6c	29.90	-0.12	61	54	0	NW	4	6	*	70	52	—
	Munich ...	30.02	59	NE	1	6c	29.97	-0.05	59	56	-2	NW	1	6	*	70	48	—
	The Helder ...	29.95	61	E	1	6	29.84	-0.11	61	57	+3	ENE	2	6c	2	64	57	—
	Brussels (a.m.)	29.84	63	NE	2	C	29.77	-0.07	65	59	+2	SE	4	C	*	72	55	—
	Cape Gris Nez	29.84	63	NE	2	C	29.70	-0.14	63	59	+3	SW	3	C	2	70	55	—
	Paris ...	29.87	71	SE	2	6	29.75	-0.12	59	56	0	S	1	6c	*	75	53	—
	Brest ...	29.87	60	NW	2	P	29.75	-0.12	59	58	-2	SW	3	6	3	73	57	0.51
	Lorient ...	29.75	63	SW	4	P	29.77	+0.02	60	57	0	NW	3	6	4	68	57	0.43
FRANCE AND BELGIUM.	Rocheport ...	30.01	68	NW	3	6	?	?	64	64	+2	W	4	P	2	75	62	0.16
	Belfort ...	29.91	67	SW	3	6	?	?	66	59	+3	NW	3	6	*	75	46	—
	Lyons ...	29.91	76	E	1	6	29.85	-0.06	67	59	+4	ENE	1	6	*	82	56	—
	Nice ...	29.92	67	SW	1	6	29.82	-0.10	66	65	-2	E	1	6c	0	75	64	—
	Perpignan ...	29.88	72	NE	2	6	29.84	-0.04	67	64	-2	W	2	0	*	81	60	—
	Biarritz ...	29.90	70	N	2	C	29.84	-0.06	66	63	+1	SW	2	0	1	77	64	—
PENINSULA.	Corunna ...	30.05	68	NW	4	6	30.06	+0.01	65	60	+1	N	5	6c	3	77	63	—
	Lisbon ...	30.05	68	NW	4	6	30.06	+0.01	65	60	+1	N	5	6c	3	77	63	—



# WEATHER CHARTS

for 8 a.m. on Tuesday, 18<sup>th</sup> August, 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 show the prevalent winds. They fly with the wind and their bars and feathers refer to force thus—

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

→→ = forces 5 to 7; →→ = forces 1 to 4.

□ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

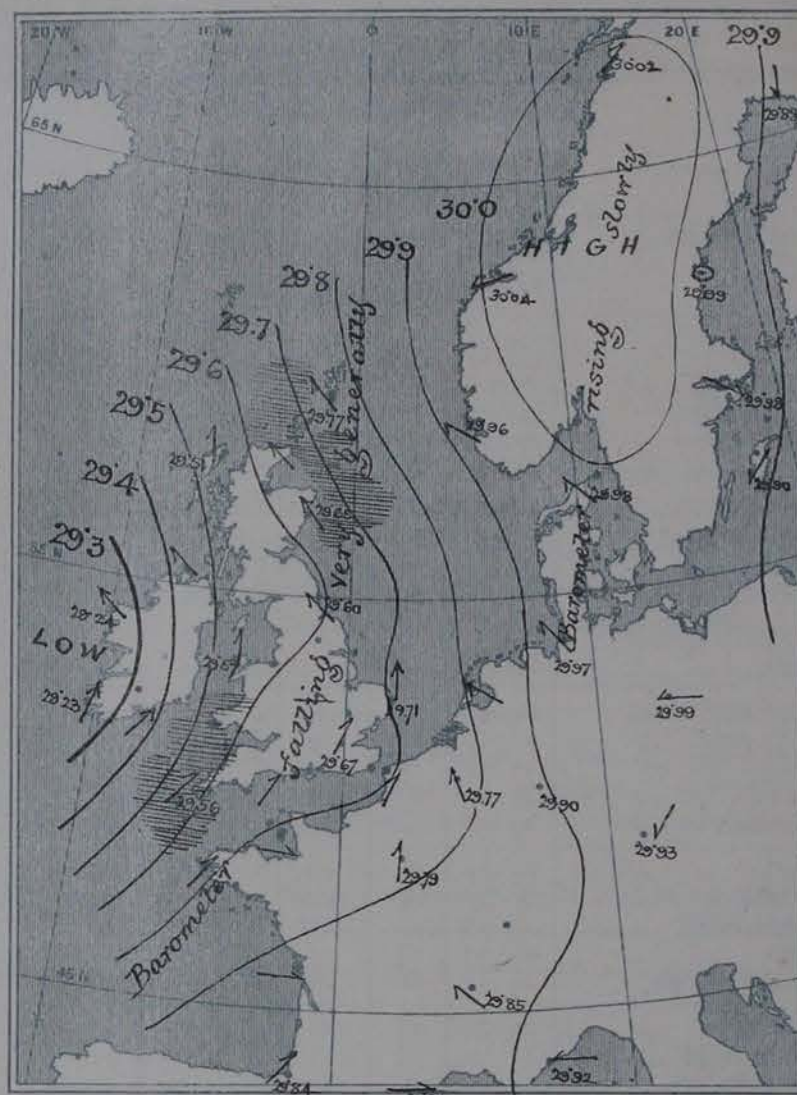
## MEAN HEIGHT OF THE BAROMETER

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

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.840
Shield	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.928
Ardrrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Silly	29.962
Prawle Point	29.975
Jersey	29.984
Hurst Castle	29.965
Dover	29.949
LONDON	29.951
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

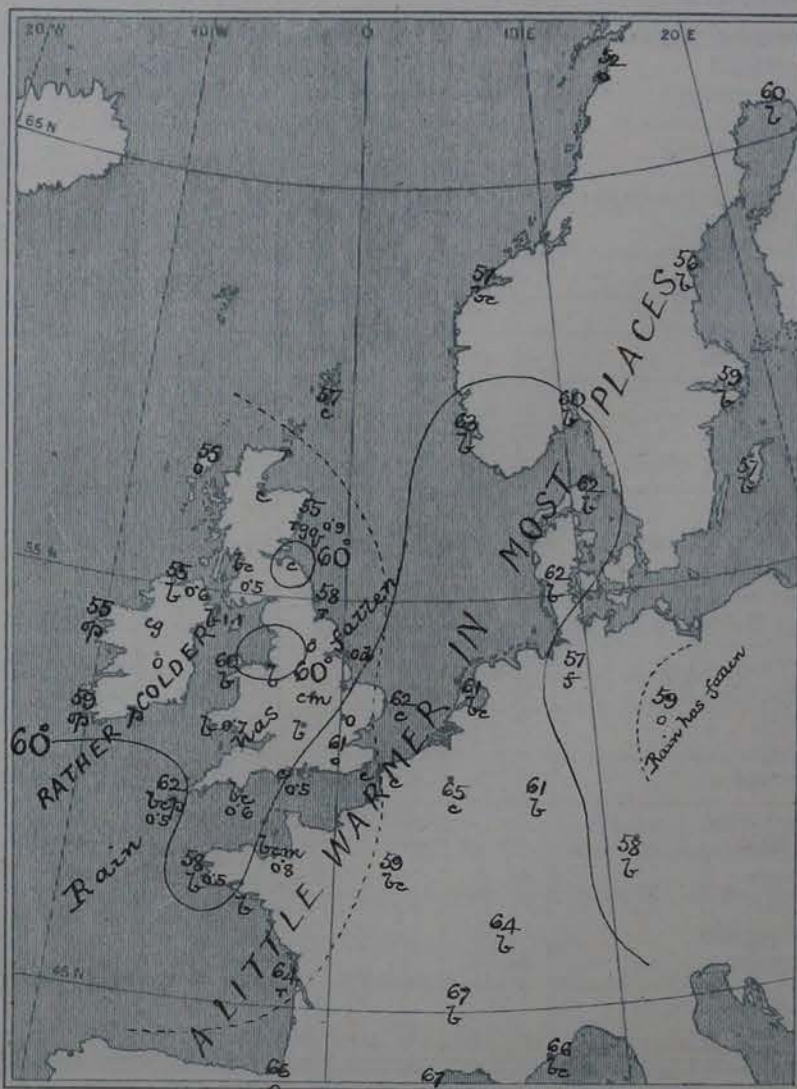
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	at 8 a.m. Wet.	
Sumburgh Head	57.7	48.4	53.4	51.7	3.16
Stornoway	59.8	48.8	51.9	53.2	3.07
Wick	61.1	48.3	55.2	53.2	2.57
Nairn	63.4	50.3	55.5	52.7	2.75
Aberdeen	63.1	50.1	56.5	53.4	3.03
Leith	65.7	51.3	57.5	54.4	2.56
Shield	63.6	51.9	57.2	51.5	2.85
Spurn Head	61.3	55.0	58.8	56.6	1.80
York	67.9	51.3	57.7	55.0	2.51
Loughborough	70.4	51.8	59.3	56.9	2.53
Ardrrossan	63.6	52.8	57.2	51.8	3.78
Mullaghmore	63.3	53.8	57.3	54.5	3.65
Donaghadee	62.2	52.2	56.9	55.3	3.01
Holyhead	61.1	51.8	58.4	56.2	2.77
Liverpool	65.8	51.1	58.5	55.2	2.83
Parsonstown	60.0	51.4	57.3	55.2	3.38
Valencia	64.7	51.1	59.3	56.9	1.70
Roche's Point	60.1	53.8	58.9	56.3	3.02
Pembroke	63.2	55.6	58.6	56.5	2.77
Silly	64.9	57.0	60.9	58.8	2.39
Prawle Point	65.3	51.4	60.1	57.9	2.14
Jersey	68.8	57.1	62.8	59.6	2.24
Hurst Castle	68.1	55.9	61.0	58.9	2.28
Dover	67.4	56.7	62.0	58.6	2.04
LONDON	71.8	53.5	60.9	57.3	2.21
Oxford	69.3	53.0	58.8	56.0	2.24
Cambridge	71.3	51.8	60.0	57.1	2.19
Yarmouth	66.3	54.8	60.5	57.6	2.15

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest 30.0 ins. and less in an anticyclone lying over Scandinavia and also in another system lying over the southern parts of the Iberian Peninsula.</p> <p>Lowest 29.3 ins. and less in a depression lying off the west of Ireland.</p> <p>Gradients rather steep over our western coasts, but moderate or slight elsewhere.</p> <p>Barometer falling at all the Scandinavian and Danish stations, - most in the south of Ireland.</p>
TEMPERATURE	<p>Highest 67° at Lyons and Perpignan, 66° at Belfort, Biarritz and Nice, 65° at Brussels &amp; Lisbon, &amp; 64° at Rochefort.</p> <p>Lowest 52° at Porto, 54° at Wick, and 55° at Stormoway, Aberdeen, Malin Head and Belmullet.</p> <p>The highest maxima registered over our Islands yesterday were 72° at Cambridge, and 71° in London; at many of our western and northern stations the thermometer did not reach 60°.</p>
WIND	<p>Moderate to strong from the S.E. over the northern parts of our Islands, light from the same quarter on the eastern shores of the North Sea.</p> <p>Moderate from the S.W. or S. over the south of the United Kingdom, W. in the west and south of France.</p> <p>A moderate to fresh gale from the S.E. was experienced yesterday in the north and northeast of Scotland.</p>
WEATHER	<p>Cloudy and showery in many parts of the United Kingdom, but fine in Wales, the N. of Ireland and W. of Scotland.</p> <p>Fine also at most of the Continental stations, but rainy at Rochefort.</p> <p>Heavy rain fell yesterday in many parts of our Islands, the largest amounts being 1.1 ins. at Donaghadee, 0.9 ins. at Aberdeen, and 0.8 ins. at Jersey.</p>
SEA	<p>Rather rough on our southwest coasts and also off the N. and E. of Scotland, but moderate or slight elsewhere.</p>

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression in the west will probably move northwards and occasion a renewal of strong winds or gales on many parts of our north and northwest coasts. There is still a tendency for the formation of secondary disturbances over England.

## FORECASTS

For the 24 hours ending at NOON on 19<sup>th</sup> AUGUST 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE winds, strong to a gale; dull, rain at times.	6 SCOTLAND WEST	SE winds, freshening; fair to dull and rainy.
1 SCOTLAND EAST	SE winds, moderate or fresh; unsettled, some rain, thunder locally.	7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	S and SW winds, fresh or strong; squally; showery.
3 ENGLAND EAST		9 IRELAND NORTH	SE to S strong winds or gales; squally, rain at times.
4 MIDLAND COUNTIES	S and SW winds, light or moderate; changeable, some showers, possibly thunder.	10 IRELAND SOUTH	Same as n° 8.
5 ENGLAND SOUTH		WARNINGS	The SOUTH CONE is still flying in districts N° 0, 6 and 9.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	27.78	59	55	W.S.W.	2	6	2		Holyhead ...	27.64	59	55	S.E.	6	7 m
Sumburgh Head ...	27.90	58	52	E	3	C	3		Valencia ...	29.54	62	57	W	4	C
Stornoway ...	27.61	56	56	S.E.	6	7	5		Scilly ...	29.60	62	62	W.S.W.	5	0
Aberdeen ...	27.84	54	51	S.E.	5	C	4		Jersey ...	27.85	61	63	S.E.	3	0
Shields ...	27.79	58	56	S.E.	5	C	4		Dungeness ...	27.93	65	60	S.W.	3	5
Ardrossan ...	27.64	58	56	E	6	7	3		London ...	27.88	66	60	S.E.	4	0
Malin Head ...	27.42	58	58	S.E.	5	0	3		Yarmouth ...	27.93	63	60	S.E.	5	6
Mullaghmore ...	27.42	62	55	S	5	0	3		Rochefort ...	27.93	73	59	W.N.W.	3	6
Belmullet ...	27.41	59	56	W.S.W.	3	C	*								

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

Weather rainy over the western parts of the United Kingdom, as well as at some of the German stations. Fair or fine in nearly all other parts of Europe but dull at many of the Russian stations. Rain falling during day over nearly the whole of the United Kingdom and also in the west of France, - amounts large at many of our western and northern stations, the heaviest of all being 1.1 inches at Donaghadee and 0.9 in. at Aberdeen.

Temperature highest 81° at La Calle, 80° at Spax and Constantinople, and 79° at Bilbao and Aumale, above 70° in most parts of southern and eastern Europe, and above 60° in the southeast of England. Lowest 41° at Archangel, 50° at Kuopio, and 52° at St Petersburg and Aberdeen; below 50° over the northern parts of Russia and Sweden and also in the north and east of Scotland, but above 60° in the northwest of Norway. Remaining below 60° all day at many of our own western and northern stations, but exceeding 70° in the southeast of England, and exceeding 80° in some parts of France.

Wind N<sup>2</sup> or S.E.<sup>2</sup> over the greater part of our Islands and the west of France, but S.W.<sup>2</sup> in the south of Ireland; strong in force at some of our western stations - Light from the N.E.<sup>2</sup> over Scandinavia and northern Russia, from the N.<sup>2</sup> or N.W.<sup>2</sup> in Denmark, from the W.<sup>2</sup> over Germany and from the S.W.<sup>2</sup> in Poland. Rather variable over southern Europe but chiefly N.E.<sup>2</sup>. Subsequently increasing to a gale from the S.E.<sup>2</sup> in the north of Scotland; veering to W.<sup>2</sup> and moderating on our extreme west and southwest coasts.

Barometer highest 30.0 ins. and upwards in an anticyclone lying over France, the Netherlands and south Germany, as well as in a smaller system lying over Central Finland. Lowest 29.4 ins. and less in a rather deep depression lying off the west of Ireland; 29.7 ins. and less in a shallower system over the Baltic Provinces and their immediate neighbourhood. Depression in west subsequently moving northwards, secondary disturbances appearing over Ireland and England.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
\* AN ASTERISK is inserted in all places for which information is not usually received.

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, 19<sup>th</sup> August, 1891.  
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																		
YESTERDAY EVENING.																		
8 A.M. TO DAY.																		
PAST 24 HOURS.																		
STATIONS.	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.89	53	NE	2	0	29.98	+10	47	45	-13	NE	6	C	*	70	50	0.08
	Hernösand ...	29.93	56	Z	0	C	29.90	-09	56	52	0	NNW	4	E	*	75	41	0.28
	Stockholm ...	29.98	57	S	2	b	29.92	-06	60	56	+1	SSW	2	b	*	68	48	0.08
	Wisby ...	29.94	55	ESE	4	b	29.93	+03	59	56	+2	SSW	2	b	*	63	52	-
	Bodö ...	30.03	50	Z	0	b	30.05	+03	50	45	-2	?N	4	b	2	52	46	-
	Christiansund	30.05	56	MNE	7	b	30.00	-04	55	50	-2	E NE	4	b	2	63	50	-
	Skudesnaes ...	29.94	63	E	2	0	29.86	-10	64	57	+1	E	4	C	2	67	57	-
	Christiania Fjord (Farder)	29.99	63	SSW	2	b	29.95	-06	61	58	+1	N	2	b	1	68	59	-
	Skagen (The Seaw)	29.97	62	S	1	b	29.93	-05	64	60	+2	S	1	b	0	70	59	-
	Fanö ...	29.87	57	SE	6	b	29.78	-16	58	56	-4	E	6	C	*	68	55	-
BRITISH ISLANDS.	Sumburgh Head	29.78	58	ESE	3	r	29.69	-08	57	56	0	E NE	4	0	6	58	53	0.09
	Stornoway ...	29.49	61	SE	4	b	29.45	-06	57	57	+2	E	4	0	4	62	52	0.01
	Wick ...	29.64	54	SE	6	r	29.55	-08	54	54	0	SE	1	r	1	57	54	0.72
	Nairn ...	29.54	63	E	1	bc	29.44	-11	59	56	0	SE	1	om	1	65	54	-
	Aberdeen ...	29.62	54	SE	6	oggy	29.55	-10	54	54	-1	SE	3	0	5	56	54	0.62
	Leith ...	29.52	68	E	2	C	29.49	-08	62	57	0	S	1	b	*	70	51	-
	Shields ...	29.56	60	SE	3	C	29.54	-06	57	55	-1	S	3	m	3	60	50	0.04
	Spurn Head ...	29.59	61	SE	4	0	29.61	-04	58	56	-2	SSW	4	bc	3	62	53	0.02
	York ...	29.59	61	SSW	1	C	29.58	-05	57	55	-3	SE	2	b	*	68	50	0.01
	Loughborough	29.61	67	SSW	3	bc	29.61	-04	59	55	0	SSW	3	cw	*	71	53	-
GERMANY & HOLLAND.	Ardrossan ...	29.48	63	ESE	3	C	29.42	-13	58	56	-1	SE	5	C	4	66	54	-
	Malin Head ...	29.31	59	SE	6	r	29.25	-19	54	53	-1	SE	5	op	2	63	54	0.02
	Mullaghmore ...	29.21	60	SE	5	cp	29.17	-18	56	54	0	SSW	5	cp	4	62	54	0.47
	Belmullet ...	29.16	60	SSW	5	bc	29.21	-03	56	55	+1	NNW	3	0	*	64	54	0.13
	Donaghadee ...	29.44	57	S	4	r	29.37	-18	57	55	+1	S	5	b	3	61	55	0.08
	Liverpool (Bidston)	29.52	63	SE	3	C	29.53	-08	58	55	-2	SE	3	C	3	68	52	0.13
	Holyhead ...	29.48	60	S	5	oggy	29.46	-11	60	56	0	SSW	5	bcy	4	67	56	0.04
	Parsonstown ...	29.27	59	SW	2	C	29.32	-05	54	53	-4	SW	1	r	*	64	53	0.59
	Valencia ...	29.30	57	W	7	oggy	29.49	+26	55	53	-4	W	6	omgy	6	60	53	0.39
	Roche's Point...	29.36	59	SW	5	C	29.48	+09	57	54	0	WSW	5	bc	4	62	53	0.10
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.50	59	S	5	C	29.53	-03	57	56	-2	SW	6	oggy	6	62	54	0.47
	Scilly ...	29.65	62	SW	4	C	29.67	+11	60	55	-2	W	6	oggy	6	66	55	-
	Prawle Point ...	29.64	60	SW	4	bc	29.67	00	59	56	+1	SW	5	bm	4	63	55	-
	Jersey (St. Aubin's)	29.72	65	WSW	3	bcy	29.77	+05	62	58	+1	WSW	5	bcm	3	68	59	0.08
	Hurst Castle ...	29.67	63	WSW	4	bc	29.68	-01	59	57	-1	WSW	5	bc	3	65	56	0.70
	Dungeness ...	29.69	62	WSW	5	bc	29.70	+02	61	59	-1	SW	6	bcu	4	66	59	0.03
	London ...	29.68	64	SW	3	bc	29.67	-01	59	57	-2	SW	4	or	*	70	54	0.07
	Oxford ...	29.65	58	S	3	b	29.63	-04	59	55	+2	S	3	C	*	68	55	0.02
	Cambridge ...	29.63	65	SW	1	C	29.65	-01	61	58	-1	S	2	bc	*	69	51	-
	Yarmouth ...	29.67	62	S	2	or	29.68	-03	60	58	-2	SW	3	bc	3	64	55	0.04
PENINSULA.	Cuxhaven ...	29.89	60	ESE	4	bc	29.77	-20	59	57	+2	SE	4	bc	*	65	57	-
	Berlin ...	29.93	64	NW	3	b	29.88	-11	61	57	+2	E	4	b	*	70	54	-
	Wiesbaden ...	*	*	*	*	*	29.85	-05	62	60	+1	SW	2	r	*	77	61	0.39
	Munich ...	29.86	68	NE	3	b	29.90	-07	62	59	+4	W	3	C	*	75	57	-
	The Helder ...	29.74	65	SE	5	r	29.74	-10	61	59	0	SW	2	C	2	70	61	0.20
	Brussels (9 a.m.)	*	*	*	*	*	29.80	+03	58	56	-7	SW	3	C	*	77	54	0.08
	Cape Gris Nez	29.70	60	SW	4	C	29.72	+02	60	58	-3	SW	4	b	4	68	55	0.08
	Paris ...	29.77	63	WSW	1	b	29.88	+09	59	56	0	SW	2	r	*	69	52	0.08
	Brest ...	?	63	SW	4	bc	?	?	59	58	+1	W	3	C	3	66	55	0.04
	Lorient ...	29.78	62	WSW	4	C	29.86	+09	60	57	0	W	5	bc	5	68	59	0.08
PENINSULA.	Rochefort ...	?	67	NNW	4	bc	?	?	63	60	-1	W	4	C	*	72	59	0.59
	Belfort ...	29.88	74	W	6	0	29.95	?	65	59	-1	W	3	0	*	82	54	0.16
	Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Nice ...	29.89	70	SSW	1	bc	29.84	-08	69	63	+3	?	2	f	0	81	63	-
	Perpignan ...	29.88	67	W	3	b	30.02	+18	63	58	-4	W	2	b	*	81	52	0.04
	Biarritz ...	29.97	69	WSW	2	b	30.04	+20	63	62	-3	S	3	0	3	72	61	0.65

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 19<sup>th</sup> August, 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

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

**SEA DISTURBANCE**—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

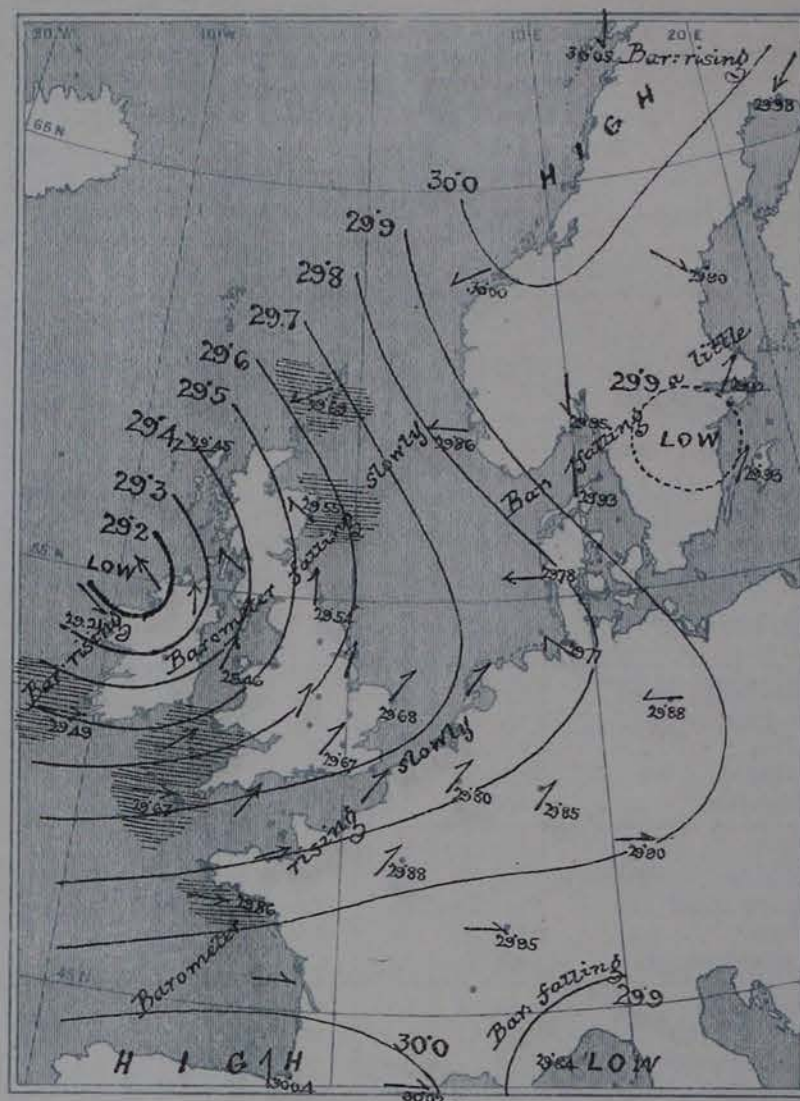
## MEAN HEIGHT OF THE BAROMETER

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

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.706
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.928
Ardrossan	29.857
Mullaghnore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Sally	29.962
Prawle Point	29.975
Jersey	29.984
Hurst Castle	29.965
Dover	29.949
LONDON	29.954
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER**—is shown by letters of the Beaufort Scale.

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

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily	Daily	at 8 a.m.		
	Max.	Min.	Dry.	Wet.	
Sumburgh Head.....	57.7	48.4	53.4	51.7	3.10
Stornoway .....	59.8	48.8	51.9	53.2	3.67
Wick.....	61.1	48.3	55.2	53.2	2.57
Nairn.....	63.4	50.3	55.5	52.7	2.75
Aberdeen.....	63.1	50.1	56.5	53.4	3.03
Leith.....	65.7	51.3	57.5	54.1	2.50
Shields.....	63.6	51.0	57.2	54.5	2.85
Spurn Head.....	64.3	55.0	58.8	56.6	1.86
York.....	67.9	51.8	57.7	55.0	2.51
Loughborough.....	70.4	51.8	59.3	56.0	2.53
Ardrossan.....	63.6	52.8	57.2	54.8	3.78
Mullaghnore.....	63.3	53.8	57.3	54.6	3.66
Donaghadee.....	62.2	52.2	56.9	55.3	3.04
Holyhead.....	61.1	51.8	58.4	56.2	2.77
Liverpool.....	65.8	51.1	58.5	55.2	2.83
Parsonstown.....	66.0	51.4	57.3	55.2	3.38
Valencia.....	64.7	54.1	59.3	56.9	1.70
Roche's Point.....	66.1	53.8	58.9	56.3	3.62
Pembroke.....	63.2	55.0	58.6	56.5	2.77
Sally.....	61.0	57.0	60.9	58.8	2.39
Prawle Point.....	65.3	54.4	60.1	57.9	2.14
Jersey.....	68.8	57.1	62.8	59.6	2.24
Hurst Castle.....	68.1	55.9	61.0	54.0	2.28
Dover.....	67.2	56.7	62.0	58.0	2.04
LONDON.....	71.8	58.5	60.9	57.3	2.21
Oxford.....	69.3	63.0	58.8	56.0	2.21
Cambridge.....	71.3	61.8	60.0	57.1	2.19
Yarmouth.....	66.3	51.8	60.5	57.6	2.15

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 30.1 ins. and upwards over the Spanish Peninsula, 30.0 ins. and upwards in the northwest of Norway.  
Lowest 29.2 ins. and less in a depression lying off the northwest of Ireland.

Gradients moderate over Ireland, but slight elsewhere.

Barometer rising over France and the southern parts of our Islands, but falling elsewhere.

## TEMPERATURE

Highest 69° at Nice, 64° at Skudsmoes and Skagen, and 63° at Rochefort, Biarritz, Perpignan and Lisbon.  
Lowest 47° at Haparanda, 50° at Bodø, 54° at Wick, Aberdeen, Malin Head and Parsonstown, and 55° at Christiansund and Valencia Island.

The highest maxima registered over our Islands yesterday were 71° at Loughborough, and 70° at Leith & in London.

## WIND

Fresh or strong from the W<sup>nd</sup> or SW<sup>nd</sup> on our south and southwest coasts, moderate from the same quarters over France and the Netherlands.

Light or moderate from the SE<sup>nd</sup> over the northern parts of the United Kingdom and from the eastward on the eastern shores of the North Sea.

N<sup>nd</sup> or NE<sup>nd</sup> in the north of Sweden; S<sup>nd</sup> or SW<sup>nd</sup> in the south.

## WEATHER

Changeable and showery over the greater part of the United Kingdom, as well as in Germany and the north of France. Fine in Scandinavia, Denmark, north Germany and the south of France.

Rain fell yesterday in most parts of western Europe, the largest amounts being 0.7 ins. at Wick, Hurst Castle and Biarritz and 0.6 in. at Aberdeen, Parsonstown and Rochefort.

## SEA

Rough on our southwest coasts and also off the north of Scotland, but moderate or slight elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the northwest of Ireland will probably continue to travel slowly in a northeasterly or northerly direction. There is still a tendency for the development of shallow secondary disturbances over our Islands, and showery weather is therefore likely to continue generally.

## FORECASTS

For the 24 hours ending at NOON on 20<sup>TH</sup> AUGUST 1891.

### DISTRICTS.

### FORECASTS.

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

SE<sup>nd</sup> winds, light or moderate, changeable, some showers.

S<sup>nd</sup> winds, light, changeable, some showers.

SW<sup>nd</sup> winds, moderate or fresh, changeable, some showers.

### DISTRICTS.

### FORECASTS.

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

Same as N<sup>o</sup>. 0. and 1.

Same as N<sup>o</sup>. 2.

SW<sup>nd</sup> and W<sup>nd</sup> winds, fresh, changeable some showers.

S<sup>nd</sup> winds, moderate or fresh, changeable, some showers.

Same as N<sup>o</sup>. 8.

### WARNINGS

None Issued.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

THER: WIND								THER: WIND							
BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA	
Skudesnaes ...	29.92	67	58	SSE	6	c	3	Holyhead ...	29.51	66	59	S	5	b	4
Sumburgh Head	29.78	55	55	ESE	3	1	5	Valencia ...	29.26	57	56	SW	7	o q p	6
Stornoway ...	29.54	62	61	S	3	c	3	Scilly ...	29.57	65	60	WSW	4	c p	5
Aberdeen ...	29.65	55	54	SE	7	o q g	7	Jersey ...	29.72	68	62	SSE	3	b c p	3
Shields ...	29.59	58	58	SE	3	c	4	Dungeness ...	29.68	63	61	WSW	4	o	3
Ardrossan ...	29.52	64	59	ESE	3	b	2	London ...	29.67	67	62	SSW	2	o	8
Malin Head ...	29.36	62	56	SE	6	o	3	Yarmouth ...	29.69	64	62	SSE	4	b c	4
Mullaghmore ...	29.25	60	56	ESE	6	c p	5	Rochefort ...	?	64	59	WSW	4	c	8
Belmullet ...	29.16	63	59	SSE	5	o p	8								

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

Weather cloudy and showery in many parts of the United Kingdom and France; fine in most other countries, but dull at several of the Russian and German stations. Heavy showers falling during day in many parts of western Europe, the largest amount of rain reported next morning being 0.7 in. at Wick, Hurst Castle and Biscarville. Thunderstorms occurring in south Wales and also at Perpignan.

Temperature highest 86° at La Calle, 81° at Brindisi and Aron, 80° at Barcelona, and 79° at Algiers; above 70° in nearly all parts of southern Europe. Lowest 39° at Archangel, 50° at Helsingfors, 51° at Hangö and St. Petersburg and 52° at Bodo; below 60° over nearly all the northern half of Europe. But a little above that point over Denmark and the south of Norway. Rising during day to 70° or a little above in some of the inland parts of Great Britain, and to 80° or more in the south and east of France.

Wind moderate to strong from the SE<sup>w</sup> over the northern parts of our Islands and light from the same quarter on the eastern shores of the North Sea. Moderate from the SW<sup>w</sup> or S<sup>w</sup> over the south of the United Kingdom, W<sup>?</sup> in the west and south of France. NE<sup>?</sup> over the Baltic and northern Russia; NW<sup>?</sup> or W<sup>?</sup> over the south of Russia. Variable in Spain, Italy and Algeria. Subsequently veering to the W<sup>w</sup> in the southwest of our Islands; no important change elsewhere.

Barometer highest 30.0 ins. and upwards in four areas, — one lying over Scandinavia, another over Finland, a third over Bohemia and a fourth over the extreme south of Spain. Lowest 29.3 ins. and less in a rather deep depression lying off the west of Ireland, 29.8 ins. and less in a shallow system over western Russia. Depression in west subsequently moving slowly northwards and barometer rising again in the south and southwest 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).

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TERMS:—For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.  
„ Weekly „ „ „ £1 10 0 „



# DAILY WEATHER REPORT.

for *Thursday, 20<sup>th</sup> August, 1891.*  
 Issued by the Meteorological Office, 63, Victoria Street, London. *R. H. SCOTT, Secretary.*

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.  Reading at 32° F. and Sea Level.	TEMP.  Dry.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 12.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	30.02	45	NE	2	b	30.01	+03	45	43	-2	N	4	0	*	55	43	-	
	Hernösand ...	29.99	54	NE	4	0	30.00	+10	55	50	-1	EHE	6	0	*	66	41	-	
	Stockholm ...	29.89	56	Z	0	b	29.89	-03	59	55	-1	E	4	bc	*	70	52	-	
	Wisby ...	29.88	56	SW	4	b	29.85	-08	59	56	0	SSE	2	bc	*	66	50	-	
	Bodö ...	30.04	52	EHE	2	c	30.02	-03	56	48	+6	E	2	b	1	?	48	-	
	Christiansund ...	29.93	52	NE	7	b	29.78	-22	53	51	-2	NE	3	b	3	59	50	-	
	Skudesnaes ...	29.80	63	ESE	2	0	29.69	-17	61	54	-3	SSE	2	0	3	67	57	-	
	Christiania Fjord (Færder) ...	29.84	64	WNW	2	b	29.76	-19	62	58	+1	ESE	4	0	2	68	61	-	
	Skagen (The Scaw) ...	29.87	58	SE	2	c	29.70	-23	58	57	-6	SE	3	r	1	66	57	0.04	
	Fanö ...	29.71	58	SW	4	r	29.70	-08	63	61	+5	SW	2	b	*	66	55	0.28	
BRITISH ISLANDS.	Sumburgh Head ...	29.69	55	EHE	3	r	29.69	-00	54	53	-3	NE	2	0	6	58	51	0.46	
	Stornoway ...	29.54	59	Z	0	c	29.59	+14	56	55	-1	E	3	0	3	66	54	-	
	Wick ...	29.64	54	ESE	4	b	29.65	+10	54	54	0	E	3	r	3	60	52	0.20	
	Nairn ...	29.54	64	E	2	bc	29.59	+15	57	55	-2	E	2	cm	1	70	47	-	
	Aberdeen ...	29.61	54	SE	3	om	29.61	+06	54	54	0	NE	2	odp	4	60	54	0.01	
	Leith ...	29.53	62	SE	2	bc	29.63	+11	55	54	-7	E	1	0	*	69	51	-	
	Shields ...	29.55	59	SE	2	bc	29.58	+04	56	54	-1	SSW	3	c	3	64	50	0.02	
	Spurn Head ...	29.53	61	S	3	c	29.65	+04	57	55	-1	WSW	4	c	2	65	53	-	
	York ...	29.53	63	S	1	0	29.63	+05	57	55	0	S	1	b	*	69	48	0.09	
	Loughborough ...	29.62	62	SW	3	bc	29.68	+07	59	55	0	WSW	4	cq	*	69	53	-	
GERMANY & HOLLAND.	Ardrossan ...	29.47	60	ESE	3	0	29.54	+12	59	56	+1	ESE	1	c	1	65	53	0.04	
	Malin Head ...	29.33	58	SSE	3	c	29.46	+21	57	55	+3	S	3	0	1	61	53	0.21	
	Mullaghmore ...	29.34	57	SW	5	op	29.48	+31	56	55	0	SSW	4	op	3	61	55	0.23	
	Belmullet ...	29.38	58	W	4	0	29.48	+27	57	56	+1	W	1	0	*	60	56	0.15	
	Donaghadee ...	29.42	59	SSW	3	bc	29.54	+17	56	55	-1	S	2	0	0	60	55	0.03	
	Liverpool (Bidston) ...	29.56	61	SW	3	c	29.62	+09	57	54	-1	SSW	2	bc	3	66	54	0.04	
	Holyhead ...	29.52	58	SSW	5	cq	29.61	+15	57	54	-3	SW	4	cq	3	63	54	-	
	Parsonstown ...	29.49	57	SW	1	c	29.56	+24	55	52	+1	SE	1	c	*	60	52	0.04	
	Valencia ...	29.64	57	W	5	bcq	29.56	+07	56	54	+1	ESE	1	og	1	62	52	0.04	
	Roche's Point ...	29.62	59	W	5	b	29.61	+13	57	55	0	SW	1	0	3	61	51	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.) ...	29.62	58	WSW	6	bc	29.65	+12	56	55	-1	SSW	3	cq	5	59	55	0.06	
	Scilly ...	29.76	60	WNW	5	cp	29.69	+02	56	55	-4	SSW	4	r	5	62	55	0.10	
	Prawle Point ...	29.74	58	W	5	b	29.75	+08	57	55	-2	SSW	3	c	2	61	54	-	
	Jersey (St. Aubin's) ...	29.82	62	W	4	bm	29.83	+06	60	57	-2	SW	3	om	3	65	56	-	
	Hurst Castle ...	29.75	61	W	6	bc	29.76	+08	60	57	+1	WSW	4	c	3	64	57	-	
	Dungeness ...	29.72	62	SW	6	bc	29.77	+07	55	54	-6	W	4	r	3	67	55	0.14	
	London ...	29.70	60	W	2	bc	29.74	+07	60	55	+1	SW	3	bc	*	67	49	0.30	
	Oxford ...	29.71	55	SW	3	b	29.73	+10	55	52	-4	SW	2	c	*	65	49	0.05	
	Cambridge ...	29.65	57	SW	1	b	29.71	+06	58	55	-3	SW	2	b	*	70	47	-	
	Yarmouth ...	29.66	61	WSW	2	bc	29.71	+03	58	55	-2	WSW	3	b	2	64	51	0.17	
GERMANY & HOLLAND.	Cuxhaven ...	29.78	59	Z	0	r	29.76	-01	59	58	0	SW	2	b	*	60	57	0.52	
	Berlin ...	29.81	57	NW	4	0	29.80	-08	59	56	-2	SW	3	c	*	75	52	0.04	
	Wiesbaden ...	*	*	*	*	*	29.97	+12	59	57	-3	W	1	c	*	68	57	0.24	
	Munich ...	29.97	55	SE	2	bc	29.93	+03	55	53	-7	W	5	0	*	63	48	0.16	
	The Helder ...	29.76	60	SW	1	b	29.75	+01	60	57	-1	SW	2	c	2	68	57	-	
	Brussels (9 a.m.) ...	*	*	*	*	*	29.84	+04	58	55	0	SW	2	b	*	69	50	0.04	
	Cape Gris Nez ...	29.73	60	SW	5	bc	29.76	+04	59	56	-1	WSW	4	0	5	63	55	-	
	Paris ...	29.84	64	W	2	b	29.91	+03	54	52	-5	S	1	r	*	?	?	0.08	
	Brest ...	?	64	W	3	bc	?	?	58	58	-1	WSW	3	r	3	66	55	0.16	
	Lorient ...	29.90	62	W	6	bc	29.88	+02	59	56	-1	WSW	2	r	5	64	57	0.28	
FRANCE AND BELGIUM.	Rochefort ...	?	65	W	5	c	?	?	64	64	+1	W	5	c	3	70	57	0.35	
	Belfort ...	?	65	SSE	3	bc	?	?	59	54	-6	W	3	c	*	72	55	-	
	Lyons ...	29.93	69	NW	1	bc	30.00	?	57	54	?	SE	1	0	*	77	55	-	
	Nice ...	29.69	80	SW	5	bc	29.76	-08	71	54	+2	NE	4	b	3	84	63	-	
	Perpignan ...	30.03	70	NW	3	0	30.07	+05	64	58	+1	NW	3	0	*	80	58	-	
	Biarritz ...	30.11	67	W	3	0	30.04	+00	68	64	+8	W	6	0	5	72	61	0.28	
	Corunna ...	*	*	*	*	*	?	?	?	?	?	?	?	?	?	?	?	-	
	Lisbon ...	30.19	66	N	4	b	30.15	-04	66	59	+3	NNE	4	b	3	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 Thursday, 20<sup>th</sup> Aug., 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

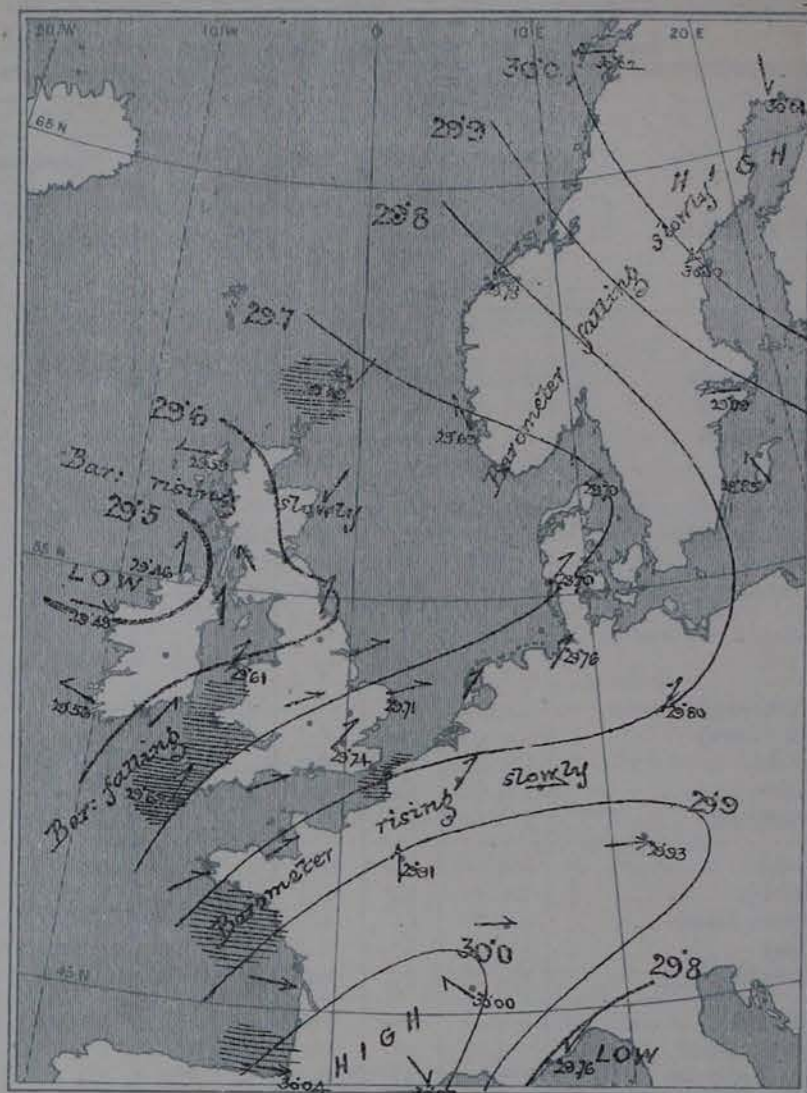
**SEA DISTURBANCE**—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

## MEAN HEIGHT OF THE BAROMETER

at 80 a.m. for the month of August  
During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shielda	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.928
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Sally	29.962
Prawle Point	29.975
Jersey	29.981
Hurst Castle	29.965
Dover	29.949
LONDON	29.954
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

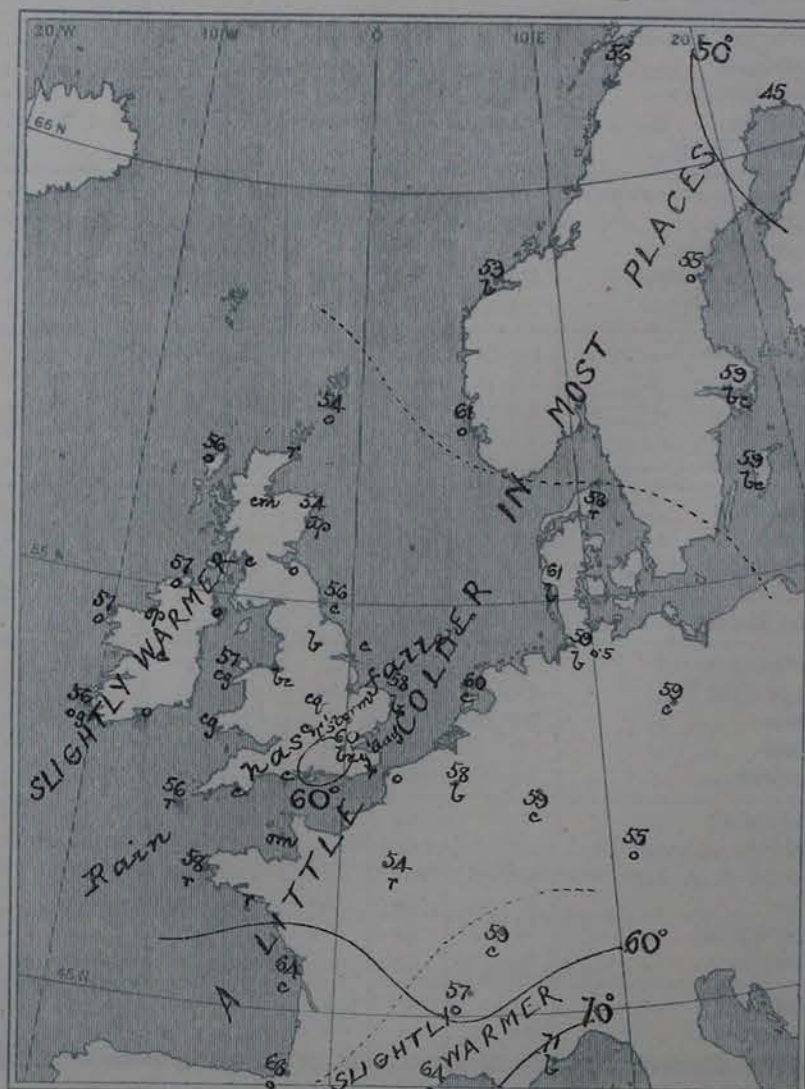
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

## MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	57.7	48.4	53.4	51.7	3.16
Stornoway	59.8	48.8	54.9	53.2	3.67
Wick	61.1	48.3	55.2	53.2	2.57
Nairn	63.4	50.3	55.6	52.7	2.75
Aberdeen	63.1	50.1	56.5	53.4	3.03
Leith	65.7	51.3	57.5	54.4	2.56
Shielda	63.6	51.9	57.2	54.5	2.85
Spurn Head	61.3	55.0	58.8	56.6	1.80
York	67.9	51.3	57.7	55.0	2.54
Loughborough	70.4	51.8	59.3	56.9	2.53
Ardrossan	63.6	52.8	57.2	54.8	3.78
Mullaghmore	63.3	53.8	57.3	54.5	3.65
Donaghadee	62.2	52.2	56.9	55.3	3.04
Holyhead	64.1	54.8	58.4	56.2	2.77
Liverpool	65.8	54.1	58.5	55.2	2.83
Parsonstown	66.0	51.4	57.3	55.2	3.38
Valencia	64.7	54.1	59.3	56.9	4.70
Roche's Point	66.1	53.8	58.9	56.3	3.62
Pembroke	63.2	55.6	58.6	56.5	2.77
Sally	64.2	57.0	60.9	58.8	2.30
Prawle Point	65.3	54.4	60.1	57.9	2.14
Jersey	68.8	57.1	62.8	59.6	2.24
Hurst Castle	68.1	55.0	61.0	58.9	2.28
Dover	67.1	56.7	62.0	58.6	2.04
LONDON	71.8	53.5	60.9	57.3	2.21
Oxford	69.3	53.0	58.8	56.0	2.21
Cambridge	71.3	51.8	60.0	57.1	2.19
Yarmouth	66.3	54.8	60.5	57.6	2.15

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 30.1 ins. and upwards in Portugal; 30.0 ins. and upwards over the north of Scandinavia.  
 Lowest 29.5 ins. and less in a depression lying off the north-west of Ireland.  
 Gradients slight. Barometer falling on our southwest coasts and also in Scandinavia, Denmark & Germany, but rising elsewhere.

## TEMPERATURE

Highest 71° at Nice, 68° at Biscaritz, 66° at Lisbon, 64° at Rochefort and Perpignan, and 63° at Faro.  
 Lowest 45° at Haparanda, 53° at Christiansund, and 54° at Lumburg Head, Wick, and Aberdeen.  
 The highest maxima registered over our Islands yesterday were 70° at Hain and Cambridge, & 69° at Leith.

## WIND

Light or moderate from the SW<sup>nd</sup> over England, the Netherlands and the northern parts of France and Ireland.  
 Light from the E<sup>nd</sup> over Scandinavia and Scotland, and also at Valence Island.  
 W<sup>nd</sup> over the southern parts of France and Germany.

## WEATHER

Cloudy in most parts of western Europe with passing showers at several of our own northern stations and steady rain over the southwest of England and the north of France.  
 Showers fell yesterday in most places, and thunderstorms occurred in the E. and S.E. of England.

## SEA

Rough at Lumburg Head, and rather rough at some of the Channel stations, but slight or smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression which is approaching our southwest coasts will probably move north-eastward and occasion rain in most districts, with strong southwesterly winds in the Channel.

# FORECASTS

For the 24 hours ending at NOON on 21<sup>ST</sup> AUGUST 1891.

## DISTRICTS.

## FORECASTS.

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

E<sup>nd</sup> winds, light or moderate; changeable, some showers.  
 SW<sup>nd</sup> to SE<sup>nd</sup> winds, light; fine to dull & rainy.  
 S<sup>nd</sup> and SW<sup>nd</sup> winds, freshening, fair to dull and rainy.

## DISTRICTS.

## FORECASTS.

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

Same as No. 0, and 1.  
 Same as No. 1.  
 SW<sup>nd</sup> winds, freshening considerably, squally, rainy.  
 SW<sup>nd</sup> to SE<sup>nd</sup> winds, moderate, changeable, showery.  
 SE<sup>nd</sup> winds, freshening, dull, 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.

		THER:		WIND						THER:		WIND					
	BAR:	D.	W.	D.	F.	WEA.	SEA			BAR:	D.	W.	D.	F.	WEA.	SEA	
Skudesnaes ...	29.83	67	58	ESE	4	0	2	Holyhead ...	...	29.50	60	57	SSW	5	cq	4	
Sumburgh Head ...	29.68	55	55	ENE	4	0	6	Valencia ...	...	29.61	61	56	WNW	5	cqm	6	
Stornoway ...	29.47	66	64	E	3	bc	3	Scilly ...	...	29.72	61	57	WNW	5	cp	6	
Aberdeen ...	29.59	59	57	SE	2	bcm	5	Jersey ...	...	29.82	65	58	SW	4	bc	4	
Shields ...	29.55	61	58	SE	3	C	2	Dungeness ...	...	29.71	66	60	SW	6	bc	5	
Ardrossan ...	29.45	64	58	ESE	3	0	2	London ...	...	29.68	62	58	W	2	clt	*	
Malin Head ...	29.28	56	55	SE	5	0	3	Yarmouth ...	...	29.67	62	59	S	5	op	4	
Mullaghmore ...	29.29	59	57	SW	5	op	4	Rochefort ...	...								
Belmullet ...	29.33	57	56	W	4	op	*										

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

*Weather* changeable and showery over the greater part of the United Kingdom and rainy in western Germany and the north of France but fine in nearly all other parts of the Continent. Rain falling later at all the German stations and thunderstorms occurring in the east and southeast of England.

*Temperature* highest 84° at Tunis, 82° at Algiers, 81° at Sfax, and 79° at Oran and Constantinople, above 70° in most parts of southern Europe, and above 60° in the south of Scandinavia. Lowest 42° at Archangel, 47° at Haparanda, 50° at Uleaborg, and 51° at St. Petersburg, a little below 55° at some of our own northern stations, and also over central Ireland. Rising during day to between 65° and 70° in most parts of St. Britain, exceeding 80° in the south of France, but only reaching 75° at Lisbon.

*Wind* fresh or strong from the W<sup>nd</sup> or SW<sup>nd</sup> on our south and southwest coasts and moderate from the same quarters over France and the Netherlands. Light or moderate from the SE<sup>nd</sup> over Denmark, North Germany and the north of our Islands, from the E<sup>nd</sup> in the west of Norway and from the NE<sup>nd</sup> at some of the Baltic stations. Cyclonic circulations of light winds reported over Finland and Sweden. Light from the NW<sup>nd</sup> in the south of Russia, variable over Spain, Italy and Algeria. No important change occurring during day.

*Barometer* highest 30.1 ins. and upwards in an anticyclone extending from the westward over Portugal and the southwest of Spain; 30.0 ins. and upwards in another system lying over the north of Scandinavia. Lowest 29.2 ins. and less in a well marked depression lying off the northwest of Ireland, 29.8 ins. and less in a large shallow system lying over Russia. Western depression filling up slowly during day and barometer rising in all parts 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).

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„ Weekly „ „ „ £1 10 0 „



# DAILY WEATHER REPORT.

for *Friday, 21<sup>st</sup> August, 1891.*  
*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		Barom.  Reading at 32° F. and Sea Level.	Temp.  Dry.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Weather.	Sea. (0 to 9.)	Shade Temp.		Amount of Rainfall.	
				Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	30.02	49	E	2	0	30.03	+0.2	47	44	+2	NNE	4	bc	*	52	36	-	
	Hernösand ...	30.02	46	N	2	0	30.04	+0.4	51	48	-4	NE	2	0	*	68	41	-	
	Stockholm ...	29.91	57	E	2	0	29.85	-0.4	60	55	+1	E	4	0	*	66	53	-	
	Wisby ...	29.83	57	SE	4	bc	29.76	-0.9	60	57	+1	E	4	0	*	70	48	-	
	Bodö ...	30.04	55	SE	2	0	30.04	+0.2	58	50	+2	E	1	?	*	?	48	-	
	Christiansund	29.69	59	ESE	3	0	29.77	-0.1	61	54	+8	E	3	0	1	61	?	-	
	Skudesnaes ...	29.66	57	SSE	5	?	29.64	-0.5	58	53	-3	E	4	0	4	?	57	0.39	
	Christiania Fjord (Færder)	29.80	59	E	3	0	29.69	-0.7	57	55	-5	ESE	6	?	4	63	57	-	
	Skagen (The Seaw)	29.65	57	SE	4	?	29.65	-0.5	60	57	+2	SSW	1	bc	1	61	55	0.55	
	Fanö ...	29.69	57	SW	2	0	29.54	-1.6	58	55	-5	E	5	0	*	64	52	0.04	
BRITISH ISLANDS.	Sumburgh Head	29.62	54	NE	4	0	29.59	-1.0	55	54	+1	Z	0	0	4	56	50	-	
	Stornoway ...	29.61	53	NE	4	?	29.64	+0.5	52	51	-4	NE	4	0	5	59	49	0.12	
	Wick ...	29.57	54	SE	3	0	29.58	-0.7	53	52	-1	E	2	0	3	57	51	0.40	
	Nairn ...	29.53	58	Z	0	0	29.55	-0.4	54	53	-3	ESE	3	0	2	63	51	0.01	
	Aberdeen ...	29.56	54	E	2	om	29.53	-0.8	54	54	0	NE	3	0	4	60	53	0.42	
	Leith ...	29.53	57	NE	1	bc	29.50	-1.0	55	54	0	ENE	2	om	*	61	53	-	
	Shields ...	29.53	57	SSW	2	op	29.42	-1.6	56	55	0	NW	3	0	3	63	52	0.04	
	Spurn Head ...	29.54	60	S	2	0	29.28	-3.7	57	55	0	SE	6	0	4	66	54	0.04	
	York ...	29.56	56	Z	0	0	29.37	-2.6	57	55	0	N	2	0	*	64	49	0.16	
	Loughborough	29.55	60	SE	1	0	29.33	-3.5	55	54	-4	NW	3	op	*	65	52	0.15	
GERMANY & HOLLAND.	Ardrossan ...	29.50	59	Z	0	0	29.50	-0.4	58	54	-1	NNE	1	0	1	65	52	0.02	
	Malin Head ...	29.48	56	E	2	cp	29.53	+0.7	54	54	-3	N	2	om	2	60	53	0.27	
	Mullaghmore ...	29.48	59	W	2	0	29.56	+0.8	55	54	-1	NW	5	og	3	62	55	0.06	
	Belmullet ...	29.50	58	NW	2	0	29.62	+1.4	56	53	-1	N	3	0	*	61	54	0.03	
	Donaghadee ...	29.49	57	SSW	2	0	29.50	-0.4	56	55	0	NE	3	0	1	63	55	0.18	
	Liverpool (Bidston)	29.51	58	NW	1	0	29.42	-2.0	58	55	+1	N	2	0	2	63	52	0.16	
	Holyhead ...	29.50	58	Z	0	0	29.47	-1.4	56	55	-1	N	3	0	2	62	55	-	
	Parsonstown ...	29.49	59	Z	0	0	29.56	+0.0	56	54	+1	Z	0	0	*	62	51	-	
	Valencia ...	29.55	57	NW	1	rm	29.64	+0.8	57	56	+1	NW	2	op	3	61	55	0.19	
	Roche's Point...	29.51	57	NE	1	0	29.55	-0.6	56	53	-1	NW	3	bc	3	60	54	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.41	55	ENE	4	?	29.50	-1.5	56	55	0	NW	3	0	3	59	54	0.20	
	Scilly ...	29.37	61	SW	4	?	29.58	-1.1	57	55	+1	NW	5	og	5	63	54	0.91	
	Prawle Point ...	29.41	59	WSW	4	?	29.52	-2.3	54	54	-3	NW	3	0	3	58	52	0.92	
	Jersey (St. Aubin's)	29.58	64	SSW	3	orm	29.55	-2.8	60	55	0	W	5	bcu	5	64	58	0.28	
	Hurst Castle ...	29.45	59	SW	5	?	29.40	-3.6	55	55	-5	NW	6	or	4	64	54	1.55	
	Dungeness ...	29.65	59	SW	4	?	29.16	-6.1	60	59	+5	SW	6	0	5	65	55	1.30	
	London ...	29.56	55	SE	2	or	29.23	-5.1	55	54	-5	NW	4	or	*	66	53	1.38	
	Oxford ...	29.45	52	W	2	?	29.32	-4.1	53	52	-2	NW	3	?	*	64	52	1.05	
	Cambridge ...	29.56	53	S	1	?	29.21	-5.9	56	55	-2	N	3	?	*	68	51	1.51	
	Yarmouth ...	29.62	60	SSW	3	0	29.15	-5.6	61	60	+3	Z	0	0	3	65	55	0.79	
PENINSULA.	Cuxhaven ...	29.78	56	NW	2	0	29.59	-1.7	56	55	-3	ESE	4	?	*	65	52	0.12	
	Berlin ...	29.80	64	Z	0	0	29.73	-0.7	57	55	-2	S	3	0	*	70	52	-	
	Wiesbaden ...	*	*	*	*	*	29.63	-3.4	61	59	+2	S	1	0	*	68	55	-	
	Munich ...	29.97	56	W	2	0	29.86	-0.7	62	57	+7	SE	4	bc	*	63	50	-	
	The Helder ...	29.71	57	S	1	bc	29.28	-4.7	59	58	-1	SE	2	?	3	64	57	0.63	
	Brussels (8 a.m.)	*	*	*	*	*	29.33	-5.1	62	58	+4	SSW	6	0	*	66	55	0.08	
	Cape Gris Nez	29.61	57	SW	4	?	?	?	59	58	0	?	8	?	?	63	52	0.67	
	Paris ...	29.77	60	SW	3	0	29.54	-3.7	60	56	+6	SW	4	?	*	66	54	0.32	
	Brest ...	?	60	SW	6	?	?	?	58	53	0	W	3	bc	5	61	54	0.59	
	Lorient ...	29.63	63	SW	7	?	29.68	-2.0	59	57	0	NW	7	bc	7	66	57	0.12	
FRANCE AND BELGIUM.	Rochefort ...	?	67	WSW	5	0	?	?	63	58	-1	WSW	6	0	*	72	59	0.28	
	Belfort ...	29.73	65	S	3	0	29.73	?	68	61	+9	S	6	0	*	70	56	-	
	Lyons ...	29.95	66	S	2	0	29.87	-1.3	60	58	+2	SSW	1	?	*	70	?	0.04	
	Nice ...	29.79	76	SE	4	0	29.94	+1.8	65	60	-6	SE	1	bc	2	88	61	-	
	Perpignan ...	29.99	74	Z	0	0	29.89	-1.8	72	64	+8	W	2	0	*	84	59	-	
	Biarritz ...	29.97	72	NE	2	0	29.95	-0.9	67	63	-1	NW	5	?	4	79	64	-	



# WEATHER CHARTS

for 8 a.m. on Friday, 21<sup>st</sup> August, 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

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

→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

⊞ = Rough. ⊞ = High.

## MEAN HEIGHT OF THE BAROMETER

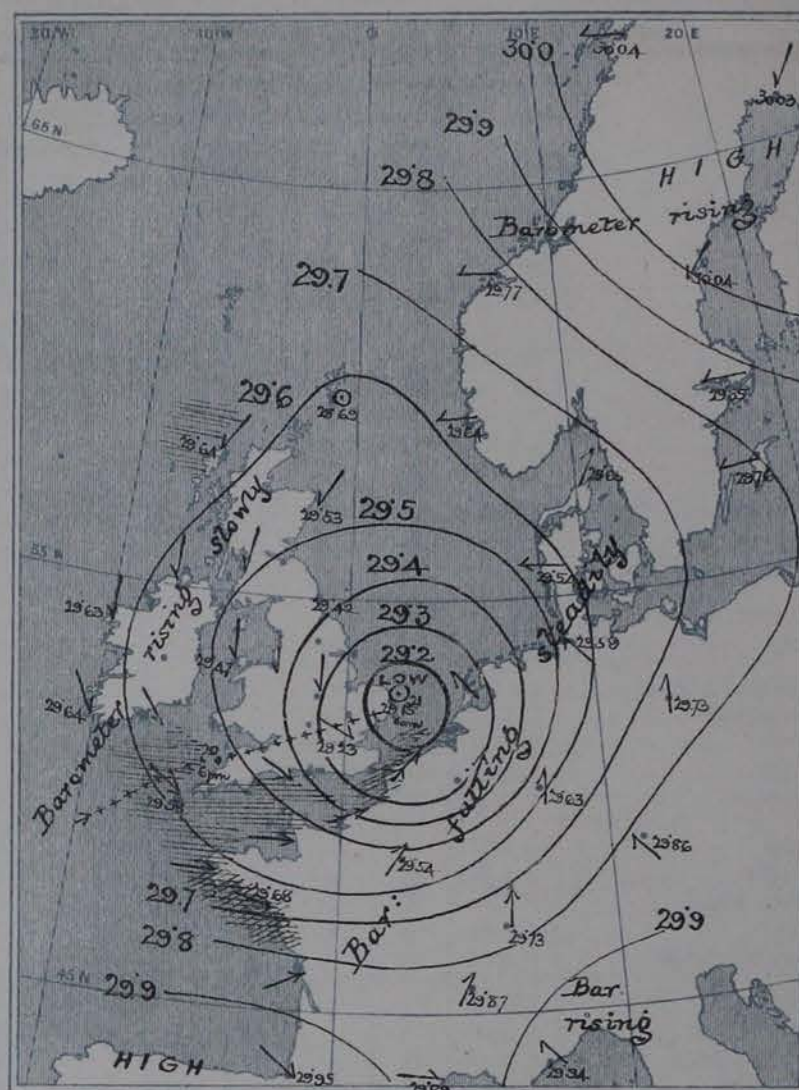
at 8.0 a.m. for the month of August

During the 20 Years: 1871-1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.925
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Selly	29.962
Prawle Point	29.975
Jersey	29.981
Hurst Castle	29.985
Dover	29.949
LONDON	29.951
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

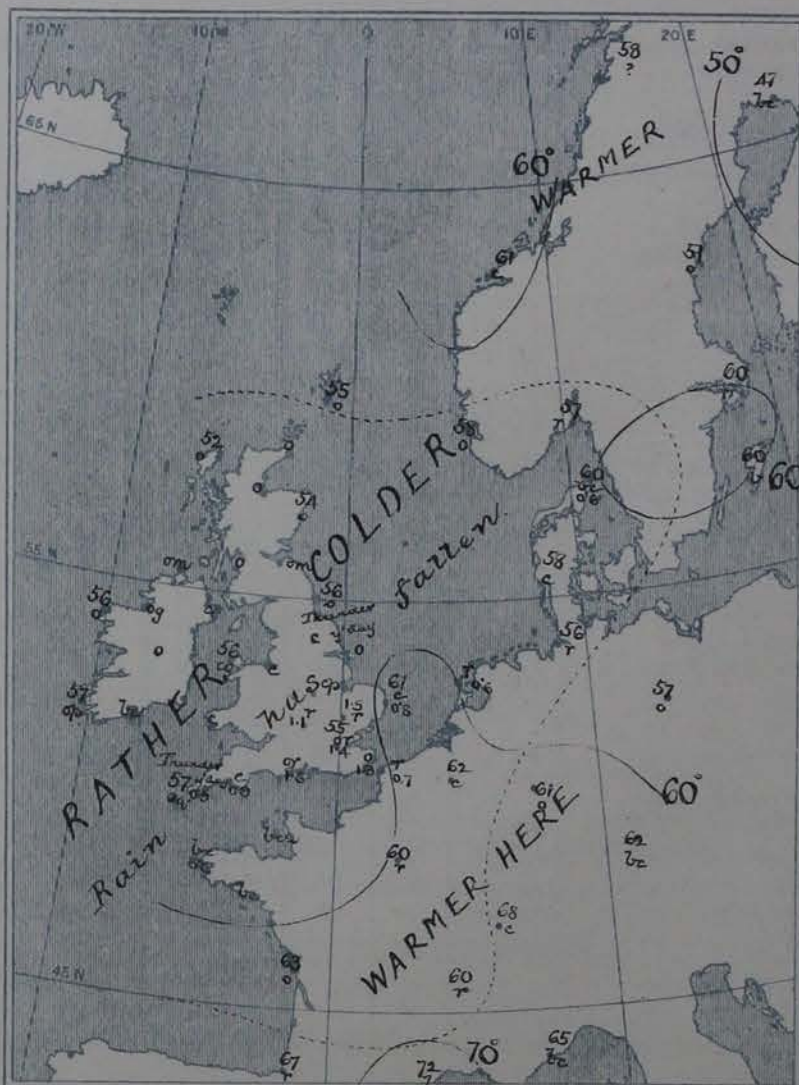
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	57.7	48.4	53.4	51.7	3.16
Stornoway	59.8	48.8	54.9	53.2	3.67
Wick	61.1	48.2	55.2	53.2	2.57
Nairn	63.4	50.3	55.5	52.7	2.75
Aberdeen	63.1	50.1	56.5	53.4	8.03
Leith	65.7	51.3	57.5	54.1	2.56
Shields	63.6	51.0	57.2	54.5	2.85
Spurn Head	64.3	55.0	58.8	56.6	1.86
York	67.9	51.3	57.7	55.0	2.54
Loughborough	70.4	51.8	59.3	56.9	2.53
Ardrossan	63.6	52.8	57.2	54.8	3.78
Mullaghmore	63.3	53.8	57.3	54.4	3.65
Donaghadee	62.2	52.2	56.9	55.8	3.04
Holyhead	64.1	54.8	58.4	56.2	2.77
Liverpool	65.8	54.1	58.5	55.2	2.83
Parsonstown	66.0	54.4	57.3	55.2	3.38
Valencia	64.7	54.1	59.3	56.9	4.70
Roche's Point	66.1	53.8	58.9	56.3	3.62
Pembroke	64.2	55.6	58.6	56.5	2.77
Selly	64.9	57.0	60.9	58.8	2.39
Prawle Point	65.3	54.4	60.1	57.9	2.14
Jersey	68.8	57.1	62.8	59.6	2.24
Hurst Castle	68.1	55.9	61.0	58.9	2.28
Dover	67.2	56.7	62.0	58.6	2.04
LONDON	71.8	53.5	60.9	57.3	2.21
Oxford	69.3	53.0	58.8	56.0	2.24
Cambridge	71.3	51.8	60.0	57.1	2.19
Yarmouth	69.3	54.8	60.5	57.6	2.15

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 Portugal and also over the northern parts of Scandinavia.  
 Lowest 29.2 ins. and less in a well marked depression lying off the southeast of England.  
 Gradients steep in the neighbourhood of the depression but slight elsewhere.  
 Barometer rising in the southwest and extreme N. of our Islands, as well as in the N. of Sweden, but falling elsewhere.

## TEMPERATURE

Highest 72° at Perpignan, 68° at Belfort, 67° at Biarritz, 66° at Lisbon, 65° at Nice, and 63° at Rochefort.  
 Lowest 47° at Haparanda, 51° at Helsingfors, 52° at Helsingfors, 53° at Uppsala and Oxford, and 54° at Hainan.  
 The highest maxima registered over our Islands yesterday were 68° at Cambridge, and 66° in London.

## WIND

Moderate or fresh from the E<sup>nd</sup> over Scandinavia and Denmark, light or moderate from the NE<sup>nd</sup> over the N. of our Islands.  
 Moderate or fresh from NW. on our west and southwest coasts. Strong from W. over the Channel and Bay of Biscay, with a gale at Havre and Cape Gris Nez. S<sup>nd</sup> over Germany and the Netherlands.

## WEATHER

Cloudy or overcast generally, with steady rain over England, the Netherlands and the central parts of France, and showers in many other localities.  
 Heavy rain has fallen over the southern parts of England and the north of France, the largest amounts being 1.6 inches at Hurst Castle, 1.5 ins. at Cambridge, and 1.4 ins. in London.

## SEA

High at Cape Gris Nez and Lorient and rather rough at the Channel stations generally, as well as at Helsingfors.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the south east of England will probably move away to the Continent and fill up gradually so that some improvement in the weather is likely. Showers are however, probable in most districts.

## FORECASTS

For the 24 hours ending at NOON on 22<sup>nd</sup> AUGUST 1891.

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

0 SCOTLAND

NORTH

NE<sup>nd</sup> winds, light or moderate, cloudy, some showers.

1 SCOTLAND

EAST

2 ENGLAND

N.E.

E<sup>nd</sup> to NE<sup>nd</sup> winds, moderate or fresh, cloudy, <sup>showery</sup>.

3 ENGLAND

EAST

N<sup>nd</sup> winds, moderate or fresh, changeable, showery.

4 MIDLAND

COUNTIES

5 ENGLAND

SOUTH

NW<sup>nd</sup> winds, strong at first, but moderating later; changeable, showery.

6 SCOTLAND

WEST

N<sup>nd</sup> winds, light; cloudy, some showers.

7 ENGLAND

N.W.

8 ENGLAND

S.W.

NW<sup>nd</sup> winds, fresh or strong; squally, showery.

9 IRELAND

NORTH

N<sup>nd</sup> winds, moderate; fair generally, but local showers.

10 IRELAND

SOUTH

### WARNINGS

The South Cone was hoisted yesterday in districts 5 and part of 8, and is still flying.

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



# YESTERDAY'S 2 P.M. REPORTS.

		THER:		WIND						THER:		WIND					
	BAR:	D.	W.	D.	F.	WEA.	SEA			BAR:	D.	W.	D.	F.	WEA.	SEA	
Skudesnaes ...	29.64	57	54	NNE	2	r	2	Holyhead ...	...	29.58	62	56	SSW	4	c	3	
Sumburgh Head ...	29.66	55	53	NE	3	c	6	Valencia ...	...	29.55	61	57	NW	2	c	2	
Stornoway ...	29.62	56	56	E	4	o	4	Scilly ...	...	29.47	62	61	SW	5	r	5	
Aberdeen ...	29.59	58	56	E	2	bc	4	Jersey ...	...	29.70	59	57	SSE	4	o	3	
Shields ...	29.56	60	55	SE	2	p	3	Dungeness ...	...	29.73	64	59	WSW	6	bc	4	
Ardrossan ...	29.52	62	58	ESE	2	o	1	London ...	...	29.69	63	57	SSE	3	o	*	
Malin Head ...	29.49	56	56	ESE	1	o	0	Yarmouth ...	...	29.68	64	60	SW	4	bc	3	
Mullaghmore ...	29.49	61	58	NW	2	bc	2	Rochefort ...	...	?	68	65	WSW	5	o	*	
Belmullet ...	29.51	60	57	WNW	1	o	*										

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

Weather cloudy in most parts of Europe with passing showers at several of our own northern stations and steady rain in the southwest of England and the north of France as well as in many parts of Denmark and Austria. Fine in Sweden and the north of Norway as well as over Spain, Algeria and the south of France. Heavy rain falling later over all the more southern parts of England as well as in the Netherlands and the north of France; amounts exceeding 1 inch in many places. Thunder heard during day at Shields and Scilly.

Temperature highest 81° at Brindisi, 80° at Lefina, 78° at Malta, and 77° at Palma and Malta, above 70° in most parts of southern Europe. Lowest 45° at Archangel and Haparanda, 46° at Ulesborg, 48° at Kuopio, 50° at Helsingfors, and 51° at Moscow, below 55° in the northern parts of Russia and Scandinavia generally, as well as in the north and east of Scotland. Daily maxima below 65° in many parts of the United Kingdom and below 60° at some of our southwestern and extreme northern stations, but thermometer exceeding 70° over the central parts of France, and exceeding 80° in the south of that Country.

Wind light or moderate from the SW<sup>nd</sup> over England the Netherlands, Germany and the northern parts of Ireland and France, but E<sup>ly</sup> over Scandinavia and Scotland as well as at Valencia Island. Moderate to strong from the W<sup>nd</sup> or NW<sup>nd</sup> over the south of France and the greater part of Italy but SE<sup>ly</sup> at the Adriatic stations. E<sup>ly</sup> or NE<sup>ly</sup> in Spain, variable in Russia and Austria. Subsequently increasing to a moderate or fresh gale from the W<sup>nd</sup> (SW to NW) at some of the Channel stations.

Barometer highest 30.1 ins. and upwards in an elongated area stretching across Spain and the western parts of the Mediterranean to Tunis, 30.0 ins. and upwards over the north of Scandinavia and also in the south of Russia. Lowest 29.5 ins. and less in a depression lying off the northwest of Ireland, 29.7 ins. and less in two other disturbances lying respectively over the Danish end of the Baltic and over the northern parts of the Adriatic. Small depression of increasing intensity appearing later over the southwest of England and moving eastwards, barometer falling quickly at all our southern 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 „



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for *Saturday, 22<sup>nd</sup> August, 1891.*  
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STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.  Reading at 32° F. and Sea Level.	TEMP.  Dry.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 5.)	SHADE TEMP.		Amount of Rainfall.	
			Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.97	44	Z	0	b	29.98	-05	46	41	-1	NE	2	b	*	54	43	-
	Hernösand ...	29.95	55	NNE	2	bc	29.91	-13	51	49	0	N	2	0	*	63	41	-
	Stockholm ...	29.81	55	NE	2	0	29.89	-16	55	53	-5	NE	6	r	*	63	?	0.23
	Wisby ...	29.66	55	ESE	6	r	29.56	-20	60	59	0	SE	4	0	*	60	52	0.12
	Bodö ...	29.46	53	NE	1	b	29.97	-07	49	46	-9	Z	0	0	0	53	41	-
	Christiansund	29.78	61	E	3	b	29.77	-00	58	52	-3	ESE	3	b	2	68	55	0.39
	Skudesnaes ...	29.64	62	ESE	4	0	29.68	+04	60	52	+2	ESE	2	0	2	66	57	-
	Christiania Fjord (Færd)	29.73	58	ESE	7	0	29.69	-00	54	51	-3	NNE	5	c	3	59	52	-
	Skagen (The Scaw)	29.59	59	ESE	6	0	29.54	-11	55	53	-5	E	6	0	5	68	54	-
	Fanö ...	29.34	57	E	5	r	29.32	-22	58	57	0	E	4	r	*	63	55	0.08
BRITISH ISLANDS.	Sumburgh Head	29.69	56	NE	1	0	29.75	+16	59	56	+4	Z	0	bc	3	59	51	-
	Stornoway ...	29.71	55	NE	5	0	29.84	+20	54	53	+2	NE	4	0	4	58	50	-
	Wick ...	29.69	54	NE	3	c	29.79	+21	56	55	+3	N	3	bc	2	57	50	0.02
	Nairn ...	29.62	56	ESE	3	0	29.76	+21	55	54	+1	ESE	3	bc	2	57	52	0.12
	Aberdeen ...	29.60	56	NNE	5	cq	29.71	+18	56	55	+2	N	3	c	4	59	53	0.06
	Leith ...	29.57	56	NE	1	0	29.65	+15	56	54	+1	NE	3	0	*	59	53	0.73
	Shields ...	29.49	58	N	3	c	29.50	+08	56	55	0	NNE	5	0	6	61	50	0.74
	Spurn Head ...	29.41	59	NW	5	c	29.37	+09	55	54	-2	W	5	od	5	60	53	-
	York ...	29.41	60	N	3	b	29.41	+04	57	57	0	N	1	r	*	63	48	0.28
	Loughborough	29.49	57	W	2	0	29.50	+17	55	53	0	WNW	3	cp	*	66	48	-
GERMANY & HOLLAND.	Ardrossan ...	29.58	56	W	1	cp	29.68	+18	58	55	0	NW	3	0	2	66	52	0.04
	Malin Head ...	29.63	55	N	5	og	29.76	+23	55	53	+1	N	5	org	3	56	54	-
	Mullaghmore ...	29.66	55	N	6	og	29.80	+24	57	54	+2	N	6	c	4	60	53	0.16
	Belmullet ...	29.75	56	N	5	bc	29.86	+24	56	54	0	N	3	op	*	57	51	0.13
	Donaghadee ...	29.56	58	NE	3	c	29.71	+21	55	54	-1	NE	4	r	2	62	54	0.01
	Liverpool (Bidston)	29.51	61	W	2	c	29.52	+10	54	53	-4	WNW	5	r	4	63	54	0.05
	Holyhead ...	29.55	58	WNW	1	c	29.62	+15	57	54	+1	N	4	cq	4	61	55	-
	Parsonstown ...	29.61	55	Z	0	0	29.76	+20	56	53	0	NW	1	c	*	62	50	0.56
	Valencia ...	29.75	57	N	5	ogm	29.87	+23	58	56	+1	N	4	cq	4	61	54	0.01
	Roche's Point...	29.61	57	WNW	6	ogm	29.75	+20	57	54	+1	N	5	bc	4	62	52	0.15
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.57	58	NW	2	bc	29.64	+14	57	55	+1	NNE	4	bcw	3	60	54	-
	Scilly ...	29.66	59	WNW	4	cp	29.61	+03	55	54	-2	N	5	rt	4	62	54	1.16
	Prawle Point ...	29.59	58	WNW	2	c	29.59	+07	60	58	+6	NE	2	bc	2	61	52	-
	Jersey (St. Aubin's)	29.65	60	W	5	bc	29.60	+05	57	55	-3	W	4	cm	4	64	55	0.14
	Hurst Castle ...	29.58	60	W	5	c	29.57	+17	58	56	+3	NW	1	mw	2	64	50	0.02
	Dungeness ...	29.55	60	W	6	ou	29.51	+35	61	57	+1	W	3	b	0	62	53	0.20
	London ...	29.52	59	WNW	2	0	29.52	+29	55	53	0	W	1	bc	*	61	46	0.10
	Oxford ...	29.55	54	WNW	2	0	29.54	+22	53	52	0	WNW	1	bw	*	64	46	0.08
	Cambridge ...	29.47	58	N	1	0	29.49	+28	54	53	-2	SW	1	bc	*	64	45	0.08
	Yarmouth ...	29.37	57	NW	5	c	29.45	+30	54	52	-7	W	4	bcm	3	63	47	0.34
PENINSULA.	Cuxhaven ...	29.35	56	S	4	r	29.45	-14	57	56	+1	SW	5	bc	*	65	55	0.44
	Berlin ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Wiesbaden ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Munich ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	The Helder ...	29.28	60	SW	4	r	29.44	+16	59	55	0	WNW	4	*	4	66	59	0.12
	Brussels (9 a.m.)	*	*	*	*	*	29.58	+25	56	54	-6	SEW	3	c	*	62	52	0.12
	Cape Gris Nez	29.49	58	WSW	7	r	29.51	-2	58	56	-1	SW	5	0	5	61	54	0.20
	Paris ...	29.70	57	SW	2	c	29.67	+3	55	53	-5	SSW	2	0	*	69	50	0.08
	Brest ...	?	57	WNW	4	r	?	?	56	55	-2	WNW	3	bc	3	64	54	0.20
	Lorient ...	29.76	61	W	5	b	29.66	-02	58	56	-1	WNW	3	c	5	63	55	0.08
PENINSULA.	Rochefort ...	?	61	WNW	5	0	?	?	61	58	-2	W	5	c	?	68	57	0.28
	Belfort ...	29.73	62	W	3	0	29.73	-00	56	48	-12	W	3	0	*	70	52	0.32
	Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Nice ...	29.90	67	NE	4	f	29.76	-18	65	64	0	NE	2	r	7	81	65	-
	Perpignan ...	29.88	71	W	2	0	29.83	-06	62	59	-10	NW	2	t	*	83	59	0.20
	Biarritz ...	29.91	64	N	2	0	29.86	-09	62	59	-5	W	5	r	4	70	55	0.59

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, 22<sup>nd</sup> August, 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—  
 — forces above 10; — forces 8 to 10;  
 — forces 5 to 7; — forces 1 to 4.  
 ○ = dead calm.

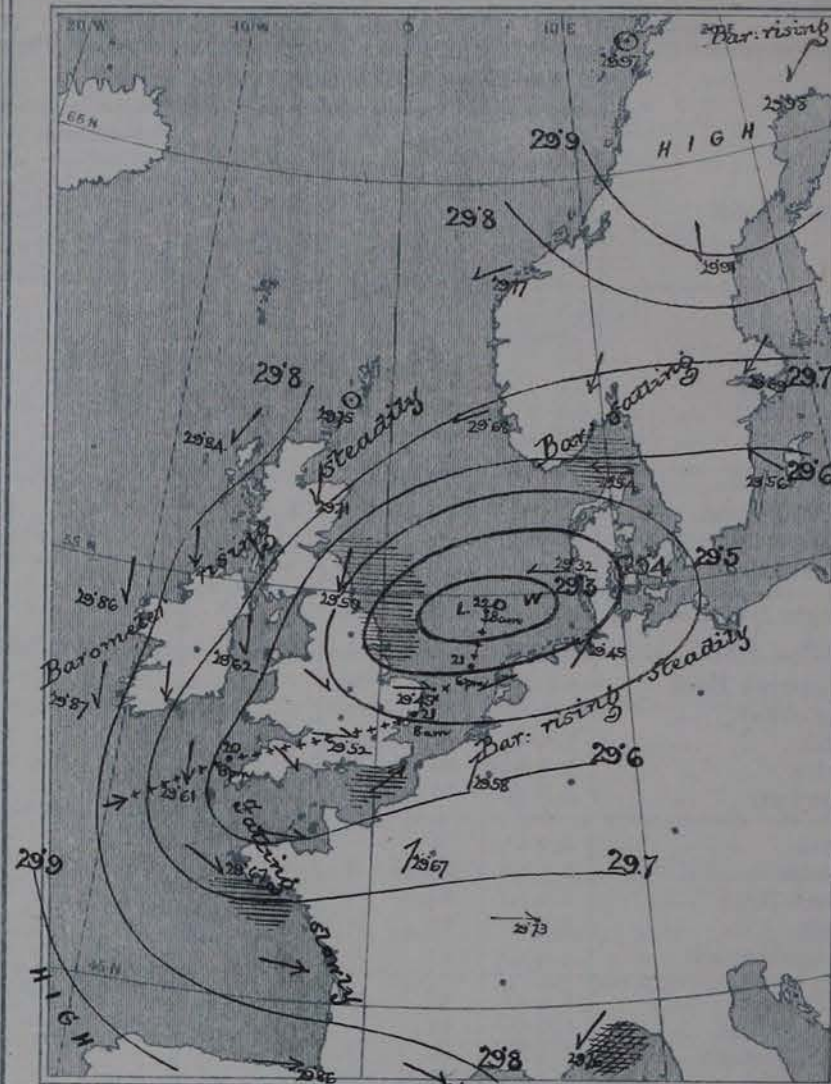
**SEA DISTURBANCE**—Where considerable, is shown thus:

— Rough. — High.

### MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Sornoway	29.706
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.928
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Silly	29.962
Prawle Point	29.975
Jersey	29.981
Hurst Castle	29.965
Dover	29.949
LONDON	29.951
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER**—is shown by Letters of the Beaufort Scale.

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

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	at 8 a.m. Wet.	
Sumburgh Head	57.7	48.4	53.4	51.7	3.16
Sornoway	59.8	48.8	54.9	53.2	3.67
Wick	61.1	48.3	55.2	53.2	2.57
Nairn	63.4	50.3	55.5	52.7	2.75
Aberdeen	63.1	50.1	56.5	53.4	3.03
Leith	65.7	51.3	57.5	54.1	2.56
Shields	63.6	51.9	57.2	54.5	2.85
Spurn Head	61.3	55.0	58.8	56.6	1.86
York	67.9	51.3	57.7	55.0	2.54
Loughborough	70.4	51.8	59.3	56.9	2.53
Ardrossan	63.6	52.8	57.2	54.8	3.78
Mullaghmore	63.8	53.8	57.3	54.5	3.65
Donaghadee	62.2	52.2	56.9	55.3	3.04
Holyhead	64.1	54.8	58.4	56.2	2.77
Liverpool	65.8	51.1	58.5	55.2	2.83
Parsonstown	66.0	51.4	57.3	55.2	3.38
Valencia	64.7	54.1	59.3	56.9	4.70
Roche's Point	66.1	53.8	58.9	56.3	3.62
Pembroke	63.2	55.0	58.6	56.5	2.77
Silly	64.9	57.0	60.9	58.8	2.39
Prawle Point	65.3	54.4	60.1	57.9	2.14
Jersey	68.8	57.1	62.8	59.6	2.24
Hurst Castle	68.1	55.9	61.0	58.9	2.28
Dover	67.2	56.7	62.0	58.0	2.04
LONDON	71.8	53.5	60.9	57.3	2.21
Oxford	69.3	53.0	58.8	56.0	2.24
Cambridge	74.3	51.8	60.0	57.1	2.19
Yarmouth	66.3	54.8	60.5	57.6	2.15

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 30.10 inches at Lisbon; 29.9 ins. and upwards over the north of Scandinavia.  
 Lowest 29.3 ins. and less in an elongated depression lying over the southern part of the North Sea.  
 Gradients moderate to rather steep over the North Sea but slight elsewhere.  
 Barometer falling in Scandinavia and Denmark and also (slightly) over the N. of England, but rising elsewhere.

## TEMPERATURE

Highest 65° at Nice, 63° at Lisbon, 62° at Biarritz and Perpignan, 61° at Dungeness, & 60° at Skudesnaes & Braule Pt.  
 Lowest 46° at Haparanda, 49° at Bodø, 51° at Hernösand, 53° at Ögård, and 54° at Faerder, Stornoway.  
 Liverpool, Cambridge and Farnmouth.  
 The highest maximum registered over our Islands yesterday was 66° at Loughborough and Ardrossan; in London the thermometer did not exceed 61°.

## WIND

Light or moderate from the NE<sup>w</sup> over Scandinavia, Scotland and the northern part of the North Sea; fresh or strong from the E<sup>w</sup> in Denmark.  
 Fresh from the NW<sup>w</sup> on the west coasts of our Islands, W<sup>w</sup> over the east and south of England and the west of France, SW<sup>w</sup> over the Netherlands and the east of France.

## WEATHER

Fine in the southeast of England as well as in the northern parts of Scandinavia and Scotland.  
 Cloudy or overcast elsewhere, with rain over the north of England & the S. of France & thunder at <sup>Perpignan</sup> Sicily and in the course of the past 24 hours thunderstorms have occurred in many parts of Gt. Britain, with heavy rain in places.

## SEA

Rough off the northeast of England, as well as at the Scaw, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT.

The depression over the North Sea is inclined to spread westwards over our northern districts, and unsettled weather is therefore likely to continue over the greater part of the United Kingdom.

# FORECASTS

For the 24 hours ending at NOON on 23. AUGUST 1891.

## DISTRICTS.

## FORECASTS.

## DISTRICTS.

## FORECASTS.

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

NE<sup>w</sup> winds, moderate or fresh; changeable, some showers.  
 N<sup>w</sup> and NW<sup>w</sup> winds, fresh; changeable, showery.  
 W<sup>w</sup> winds, light or moderate; some showers, with bright intervals.

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

N<sup>w</sup> winds, moderate or fresh; unsettled, some rain.  
 N<sup>w</sup> to NW<sup>w</sup> winds, moderate or fresh; changeable, some rain.  
 N<sup>w</sup> winds, fresh or strong; changeable, showery.

## WARNINGS

None Issued.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.62	66	57	E	2	c	3		Holyhead ...	29.53	61	58	NW	3	6
Sumburgh Head ...	29.63	57	55	NE	1	o	1		Valencia ...	29.73	61	57	N	4	c q
Stornoway ...	29.68	58	54	NE	5	7	5		Scilly ...	29.62	62	59	NW	4	c
Aberdeen ...	29.56	58	56	NE	5	o q	4		Jersey ...	29.64	63	60	W	5	bc
Shields ...	29.46	60	57	NW	3	c	3		Dungeness ...	29.45	58	56	W	6	o
Ardrossan ...	29.52	65	62	W	2	bc	1		London ...	29.47	58	56	NW	4	o p
Malin Head ...	29.60	55	53	N	5	o	3		Yarmouth ...	29.23	58	57	NW	4	o r
Mullaghmore ...	29.60	57	56	NW	6	q q p	4		Rochefort ...	?	67	61	WSW	6	c
Belmullet ...	29.71	55	52	N	5	o p	*								

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

Weather more or less cloudy in all but the southern countries of Europe, with heavy rain over the greater part of England, the Netherlands and the central parts of France. Rain ceasing later in most parts of England, but showers falling in Ireland and Scotland. Thunderstorms occurring in several parts of Great Britain during the evening or night with very heavy rain (1.2 ins.) at Scilly.

Temperature highest 83° at Constantinople, 81° at Annale, 79° at Brindisi and 78° at Barcelona, above 70° at most of the Mediterranean and Adriatic stations. Lowest 42° at Archangel, 47° at Haparanda, 49° at Helsingfors, and 50° at St. Petersburg and Moscow; below 50° in many parts of the United Kingdom but reaching 60° or a little more at several of the Scandinavian stations. Daily maxima below 65° in nearly all parts of the United Kingdom, and below 60° at most of our northern stations, but thermometer rising to between 70° and 80° in France.

Wind moderate or fresh from the E<sup>nd</sup> in Scandinavia and Denmark and light or moderate from the NE<sup>nd</sup> in the north of our Islands. Moderate from the NW<sup>nd</sup> on our west and southwest coasts. Strong from W. over the Channel and Bay of Biscay and from the SW<sup>nd</sup> or S<sup>nd</sup> in Belgium and the east of France, light from the SE<sup>nd</sup> in Germany. Variable over the greater part of southern and eastern Europe. No important change occurring during day.

Barometer highest 30.0 ins. and upwards in three areas; one lying over the north of Scandinavia, another over the south of Russia and a third over the southwestern parts of the Iberian Peninsula. Lowest 29.2 ins. and less in a well marked and rather deep depression lying off the southeast of England, 29.6 ins. and less in a small system near the Gulf of Dantzig. Former disturbance subsequently moving slowly north-eastwards and barometer rising briskly over 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.

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# DAILY WEATHER REPORT.

for Sunday 23<sup>rd</sup> August. 1891.  
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.94	44	E	2	6	29.89	-0.05	46	44	0	NE	2	0	*	57	39	—
	Hernösand ...	29.86	53	N	2	0	29.74	-0.12	53	51	+2	E	2	0	*	57	41	0.04
	Stockholm ...	29.61	56	NE	3	0	29.58	-0.03	58	57	+1	SE	2	0	*	57	46	0.43
	Wisby ...	29.63	58	SEW	4	C	29.62	+0.01	63	63	+3	SE	4	60	*	64	52	0.04
	Bodö ...	29.88	?	2	0	6	29.82	-0.06	57	48	+9	E	2	6	1	?	48	—
	Christiansund	29.71	58	NNE	3	6	29.68	-0.03	54	49	-5	E	1	0	1	63	52	—
	Skudesnaes ...	29.62	60	2	0	C	29.59	-0.03	58	52	-6	N	2	0	2	70	53	—
	Christiania Fjord (Fæder)	29.64	55	NNE	5	T	29.57	-0.07	51	50	-1	N	5	0	2	55	50	0.67
	Skagen (The Scaw)	29.50	58	E	6	T	29.50	-0.04	57	53	+4	2	0	0	0	59	50	0.55
	Fanö ...	29.46	56	SE	6	C	29.43	+0.03	55	54	-1	SE	4	0	*	63	58	0.08
BRITISH ISLANDS.	Sumburgh Head	29.74	55	NE	4	0	29.73	-0.01	52	49	-3	NNE	2	0	3	60	49	—
	Stornoway ...	29.89	58	NE	4	0	29.86	+0.03	52	51	-1	NE	2	0	5	56	49	—
	Wick ...	29.82	54	NE	4	0	29.80	+0.02	53	51	-2	N	4	0	3	60	50	—
	Nairn ...	29.81	55	NE	2	C	29.80	+0.01	53	50	-3	NNE	3	0	3	64	50	—
	Aberdeen ...	29.77	54	NW	5	Cg	29.76	+0.01	53	49	-4	NW	4	0.07	4	64	52	—
	Leith ...	29.76	58	2	0	C	29.78	+0.02	58	52	+6	N	2	60	*	63	53	—
	Shields ...	29.70	57	N	3	60	29.72	+0.02	54	51	-3	N	3	0	5	59	50	0.06
	Spurn Head ...	29.59	56	NNE	6	0	29.67	+0.08	56	54	-2	NW	5	0	5	61	53	0.08
	York ...	29.64	56	ENE	2	0	29.73	+0.09	55	52	-3	N	3	0	*	61	48	0.08
	Loughborough	29.59	58	NNE	3	C	29.74	+0.15	57	54	+3	NW	2	0	*	61	50	0.30
GERMANY & HOLLAND.	Ardrossan ...	29.77	63	NW	1	C	29.77	+0.00	56	52	-4	2	0	60	0	66	52	—
	Malin Head ...	29.84	56	NW	4	6	29.84	+0.00	58	49	-9	NW	4	0	3	57	53	—
	Mullaghmore ...	29.88	57	NW	5	C	29.87	+0.01	54	52	-2	NW	4	0	2	61	54	—
	Belmullet ...	29.84	56	NNE	3	0	29.81	+0.03	54	53	-1	N	1	0	*	60	53	0.03
	Donaghadee ...	29.78	59	N	4	60	29.81	+0.03	56	54	+2	N	3	6	2	61	54	0.22
	Liverpool (Bidston)	29.67	58	NNE	3	0	29.78	+0.11	53	52	-1	NNE	1	0	2	63	58	0.33
	Holyhead ...	29.71	58	NNE	5	Cg	29.80	+0.09	53	53	0	NW	4	0.07	4	60	54	0.14
	Parsonstown ...	29.83	61	NW	2	Cg	29.87	+0.04	53	52	-1	2	0	0	*	62	46	—
	Valencia ...	29.72	55	N	5	Cg	29.95	+0.23	57	58	+1	NW	2	0	2	61	54	—
	Roche's Point...	29.82	60	N	5	C	29.87	+0.05	57	53	-4	N	4	6	4	63	53	—
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.60	57	N	5	C	29.84	+0.24	53	54	+1	N	3	0	3	60	53	0.07
	Scilly ...	29.73	58	NW	5	TG	29.84	+0.11	58	56	-2	NW	5	0	3	59	58	0.06
	Prawle Point ...	29.63	57	NW	3	60	29.80	+0.17	58	58	0	NNE	3	6	2	64	52	0.10
	Jersey (St. Aubin's)	29.64	62	NW	3	60	29.74	+0.10	58	56	-2	NNE	3	0.07	3	65	52	0.10
	Hurst Castle ...	29.58	61	NW	3	60	29.75	+0.17	56	53	-3	NNE	3	0	2	65	54	0.03
	Dungeness ...	29.53	61	W	4	60	29.65	+0.12	55	54	-1	N	3	0	2	65	54	0.19
	London ...	29.56	60	NW	2	0	29.74	+0.18	58	52	-6	NW	2	0	*	65	52	0.03
	Oxford ...	29.62	55	NE	5	T	29.76	+0.14	54	51	-3	N	4	0	*	61	49	0.10
	Cambridge ...	29.57	57	SW	2	T	29.78	+0.21	53	53	0	N	1	0	*	63	47	0.18
	Yarmouth ...	29.47	57	NW	2	Cmdf	29.63	+0.16	57	54	-3	N	4	0	4	62	53	0.07
PENIN- SULA.	Cuxhaven ...	29.57	56	SE	3	60	29.49	+0.08	56	55	-1	S	3	0	*	63	54	0.04
	Berlin ...	29.66	63	SW	2	6	29.65	-0.01	58	56	-2	SW	3	6	*	70	52	—
	Wiesbaden ...	*	*	*	*	*	29.65	-0.06	58	54	-4	W	1	60	*	66	48	0.08
	Munich ...	29.80	52	SW	2	0	29.70	-0.10	53	53	0	W	1	0	*	55	52	0.24
	The Helder ...	29.48	59	SW	3	T	29.53	+0.05	58	55	-3	NW	4	0	3	63	57	0.04
	Brussels (9 a.m.)	*	*	*	*	*	29.61	+0.03	54	54	0	SW	1	0	*	64	50	0.04
	Cape Gris Nez	29.58	60	SW	4	60	29.61	+0.03	57	55	-2	N	5	0	5	61	53	0.47
	Paris ...	29.61	58	SW	2	C	29.70	+0.09	50	50	0	S	1	0	*	70	45	0.20
	Brest ...	29.60	60	NW	3	60	29.70	+0.10	56	56	0	NW	3	60	3	68	55	0.08
	Lorient ...	29.66	60	W	3	C	29.73	+0.07	56	58	+2	ENE	1	0	4	63	55	0.04
FRANCE AND BELGIUM.	Rochefort ...	?	63	NW	4	0	?	?	59	57	-2	NW	4	0	2	64	55	0.28
	Belfort ...	29.78	62	W	3	C	29.73	-0.05	57	47	-10	W	3	60	*	71	51	—
	Lyons ...	29.60	65	S	1	0	29.70	+0.10	56	52	-4	N	1	0	*	72	53	0.32
	Nice ...	29.65	69	SW	1	6	29.64	-0.01	62	53	-9	W	4	0	3	81	59	—
	Perpignan ...	29.75	69	W	2	C	29.80	+0.05	57	51	-6	NW	3	60	*	75	53	0.28
	Biarritz ...	29.83	59	W	6	T	29.88	+0.05	62	59	-3	W	7	0	5	68	50	1.77
	Corunna ...	29.54	64	N	4	6	29.54	-0.04	62	?	-6	NW	5	0	6	?	58	0.24
Lisbon ...	29.11	64	N	4	6	29.11	+0.01	59	58	-1	N	3	0	2	70	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 Sunday, 25 August, 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

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

→ = forces 6 to 7; → = forces 4 to 5.

→ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

→ = Rough. → = High.

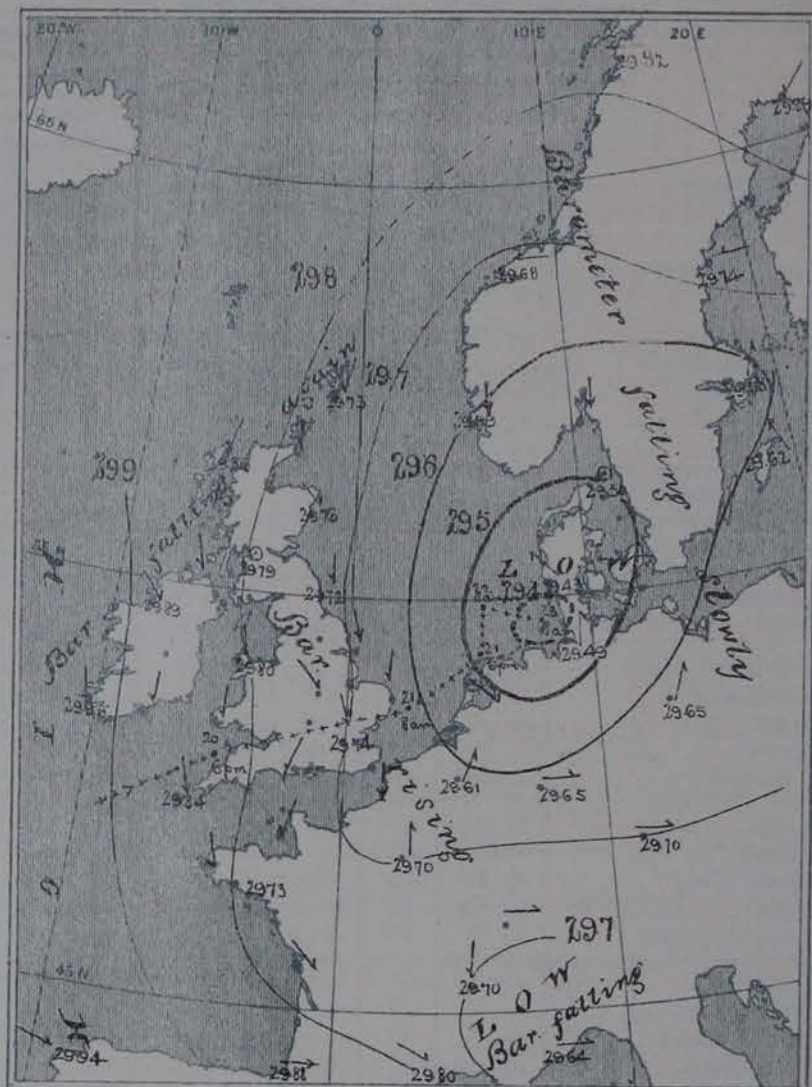
### MEAN HEIGHT OF THE BAROMETER

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

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.928
Ardrassan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Selly	29.962
Prawle Point	29.975
Jersey	29.981
Hurst Castle	29.965
Dover	29.949
LONDON	29.951
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

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

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	57.7	48.4	53.4	51.7	3.16
Stornoway	59.8	48.8	54.9	53.2	3.67
Wick	61.1	48.3	55.2	53.2	2.57
Nairn	63.4	50.3	55.5	52.7	2.75
Aberdeen	63.1	50.1	56.5	53.4	3.03
Leith	65.7	51.3	57.5	54.1	2.56
Shields	63.6	51.9	57.2	54.5	2.85
Spurn Head	64.3	55.0	58.8	56.6	1.86
York	67.9	51.3	57.7	55.0	2.54
Loughborough	70.4	51.8	59.3	56.0	2.53
Ardrassan	63.6	52.8	57.2	54.8	3.78
Mullaghmore	63.3	53.8	57.3	54.4	3.65
Donaghadee	62.2	52.2	56.9	55.3	3.04
Holyhead	61.1	54.8	58.4	56.2	2.77
Liverpool	65.8	54.1	58.5	55.2	2.83
Parsonstown	66.0	51.4	57.3	55.2	3.38
Valencia	64.7	54.1	59.3	56.9	4.70
Roche's Point	66.1	53.8	58.9	56.3	3.62
Pembroke	63.2	55.6	58.6	56.5	2.77
Selly	64.9	57.0	60.0	58.8	2.39
Prawle Point	65.3	54.4	60.1	57.9	2.14
Jersey	68.8	57.1	62.8	59.6	2.24
Hurst Castle	68.1	55.9	61.0	58.9	2.28
Dover	67.7	56.7	62.0	58.6	2.04
LONDON	71.8	53.5	60.9	57.3	2.21
Oxford	69.3	53.0	58.8	56.0	2.24
Cambridge	71.3	51.8	60.0	57.1	2.19
Yarmouth	69.3	54.8	60.5	57.6	2.15

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. in an anticyclone lying over and to the west of Portugal.  
Lowest 29.4 ins. and less in a small depression lying over the S<sup>W</sup> parts of the North Sea - near the Danish coast.  
Gradients slight. Barometer rising over the greater part of Ireland, England & France, but falling elsewhere.

## TEMPERATURE

Highest 63° at Wisby, 62° at Biarritz and Nice, and 59° at Rochepont and Lisbon.  
Lowest 46° at Haparanda, 52° at Sumburgh Head and Stornoway, and 53° at Hérissand, Wick, Nairn, Aberdeen, Malin Head and Portonstown.  
The highest maxima registered over our Islands yesterday were 66° at Ardrossan, & 65° at Jersey, Hurst Castle and Dungeness.

## WIND

Light to fresh from the N<sup>W</sup> or NW<sup>W</sup> over our Islands, Holland the N. of France and the S. of Norway.  
W<sup>W</sup> over the southern parts of France and Germany, S<sup>W</sup> or SE<sup>W</sup> over Denmark, N. Germany & the Baltic.  
Light from the E<sup>W</sup> over the northern parts of Scandinavia.

## WEATHER

Cloudy or overcast in most places, with passing showers in some parts of England, and with steady rain over Belgium, the north of France, and many parts of Scandinavia and Denmark.  
Showers fell yesterday over England and the north of Ireland and heavy rain at some of the Continental stations, the largest amounts being 1.8 ins. at Biarritz, and 0.7 in at Faerder.

## SEA

Rather rough off the N.E. of England as well at Cape Gris Nez and Biarritz, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS

For the 24 hours ending at NOON on 24<sup>TH</sup> AUGUST 1891.

### DISTRICTS.

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

### FORECASTS.

NONE ISSUED

### DISTRICTS.

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

### WARNINGS

### FORECASTS.

NONE ISSUED

NONE ISSUED

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



# YESTERDAY'S 2 P.M. REPORTS.

THER: WIND								THER: WIND							
BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA	
Skudesnaes ...	29.64	70	53	ESE	2	bc	2	Holyhead ...	29.63	59	57	N	7	cc	6
Sumburgh Head	29.75	59	56	NE	4	c	4	Valencia ...	29.90	60	57	N	4	cc	4
Stornoway ...	29.85	56	55	NE	4	o	4	Scilly ...	29.71	59	56	N	5	c	4
Aberdeen ...	29.75	63	57	N	4	bcg	5	Jersey ...	29.62	61.4	57	WNW	3	bc	3
Shields ...	29.62	56	55	NNE	4	c	6	Dungeness ...	29.52	64	59	WNW	5	bc	3
Ardrossan ...	29.74	66	57	N	3	c	2	London ...	29.53	65	55	NW	2	c	*
Malin Head	29.82	56	54	N	5	o	3	Yarmouth ...	29.47	61	56	N	3	bc	3
Mullaghmore	29.85	58	55	NNW	6	o	4	Rocheport ...	29.67	65	55	WNW	4	T	2
Belmullet ...	29.92	59	55	N	3	c	*								

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

*Weather* in morning still unsettled over all the western and central parts of Europe, but improving in the extreme north and also over the northwestern parts of the United Kingdom. Rain later in moderate or small quantities, except in the extreme north and northwest, and thunderstorms in several places.

*Temperature* not differing much from the average at 8 am over our Islands; morning readings as high as 80° to 85° over the greater part of Algeria and Tunis; and exceeding 70° at most of the Mediterranean stations; below 60° over all the northern and northwestern countries, and as low as 43° at Archangel, 45° to 49° over Lapland, 48° at Kuopio, 50° at St. Petersburg. Rising later to between 60° and 65° over the United Kingdom and north of France, to between 70° and 80° over Austria, to between 80° and 86° over Italy, and to 90° and 104° over Algeria.

*Wind* E<sup>2</sup> over the most northern countries, N<sup>2</sup> (NE to NW) over Ireland and England, W<sup>2</sup> in France, SW<sup>2</sup> over the Netherlands and North Germany. Very variable over the Mediterranean, but mainly E<sup>2</sup> on the northern shores. Backing northwards over Norway later, and a well defined semi-cyclonic circulation setting in over the northeastern parts of the Mediterranean and north of Italy.

*Barometer*. Highest 30.0 ins. and more to 29.9 ins. over southeastern Europe and the neighbouring parts of the Mediterranean, as well as over the western half of the Iberian Peninsula, and adjacent parts of the Atlantic; 29.9 ins. and more over northern Europe. Lowest 29.3 ins. and less, to 29.5 ins. in a well marked depression lying over the southern half of the North Sea. Some shallow secondary systems found over England. Rising steadily over our Islands later, falling over central 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 *Monday, 24<sup>th</sup> August, 1891.*  
 Issued by the Meteorological Office, 63, Victoria Street, London. *R. H. SCOTT, Secretary.*

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.84	44	Z	0	bc	29.76	-13	47	47	+1	ESE	4	0	*	57	34	0.08
	Hernösand ...	29.63	54	N	4	bc	29.56	-18	55	54	+2	ESE	2	1	*	57	46	1.89
	Stockholm ...	29.57	56	Z	0	bc	29.51	-07	61	57	+3	ESE	2	c	*	68	52	0.12
	Wishy ...	29.56	56	S	4	bc	29.52	-10	57	55	-6	SSE	4	f	*	64	54	0.04
	Bodö ...	29.75	50	Z	0	bc	29.68	-14	55	47	-2	E	2	f	*	57	?	-
	Christiansund	29.55	58	NW	2	bc	29.50	-18	56	53	+2	SW	1	bc	1	61	54	-
	Skudesnaes ...	29.56	57	NW	1	c	29.58	-01	58	52	0	NW	4	c	2	66	54	-
	Christiania Fjord (Færder)	29.54	56	N	3	0	29.54	-03	57	53	+6	N	2	c	1	?	?	0.16
	Skagen (The Scaw)	29.49	58	E	1	c	29.50	-00	59	56	+2	N	1	bc	0	66	54	0.20
	Fanø ...	29.45	56	N	1	c	29.57	+14	57	55	+2	NW	4	bc	*	61	55	-
BRITISH ISLANDS.	Sumourgh Head	29.73	52	N	2	c	29.66	-07	51	49	-1	Z	0	c	1	54	45	-
	Stornoway ...	29.78	53	NE	2	0	29.54	-32	52	52	0	SE	6	7	5	55	48	0.04
	Wick ...	29.79	52	N	2	0	29.65	-15	52	50	-1	S	2	0	2	55	45	-
	Nairn ...	29.75	55	NE	1	c	29.62	-18	52	50	-1	SW	1	0	0	61	43	-
	Aberdeen ...	29.76	53	NW	3	c	29.68	-08	52	49	-1	SSE	2	c	3	56	44	-
	Leith ...	29.75	59	E	1	0	29.71	-07	53	51	-5	SW	1	0	*	62	46	-
	Shields ...	29.75	56	N	3	c	29.74	+02	52	50	-2	N	1	cm	4	58	46	-
	Spurn Head ...	29.73	56	NW	4	0	29.79	+12	56	53	0	NW	3	cm	4	58	52	0.03
	York ...	29.77	57	N	1	0	29.80	+07	54	52	-1	SW	1	c	*	57	45	0.08
	Loughborough	29.77	59	Z	0	c	29.86	+12	56	53	-1	N	2	cw	*	63	49	-
GERMANY & HOLLAND.	Ardrossan ...	29.77	59	SW	1	c	29.68	-11	56	54	0	SW	4	0	3	62	51	0.01
	Malin Head ...	29.82	54	NW	2	0	29.59	-25	54	52	+1	S	5	0	2	56	52	0.02
	Mullaghmore ...	29.84	56	N	2	0	29.64	-25	56	54	+2	SSW	5	og p	4	59	52	0.12
	Belmullet ...	29.86	55	N	2	0	29.62	-29	57	57	+3	SSW	3	cm	*	60	53	0.26
	Donaghadee ...	29.81	57	N	3	c	29.74	-07	54	53	-2	SSW	2	0	0	62	53	-
	Liverpool (Bidston)	29.81	56	N	2	c	29.82	+04	56	53	+3	SW	2	0	2	60	53	0.46
	Holyhead ...	29.82	57	NW	3	bc	29.81	+01	54	53	-1	NW	2	rgm	2	59	53	0.08
	Parsonstown ...	29.97	57	Z	0	0	29.77	-12	54	52	+1	Z	0	0	*	60	51	0.08
	Valencia ...	29.93	57	NW	1	0	29.82	-13	57	56	0	SSW	5	og	5	61	53	0.01
	Roche's Point...	29.90	58	NW	1	0	29.86	-04	57	55	0	NW	4	c	4	62	52	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.86	58	NW	3	bc	29.88	+04	57	56	+2	N	2	cg	1	60	55	-
	Scilly ...	29.95	59	NW	3	bc	29.93	+09	59	56	+1	N	3	bc p	3	61	55	0.01
	Prawle Point ...	29.82	58	NW	4	c	29.94	+14	57	56	-1	NW	4	og	2	68	52	0.32
	Jersey (St. Aubin's)	29.85	62	NW	3	bc	29.99	+25	60	55	+2	NW	3	bc	3	64	58	0.11
	Hurst Castle ...	29.83	61	NW	1	ct	29.94	+19	59	57	+3	NW	3	c	1	68	52	0.02
	Dungeness ...	29.74	63	N	3	bc	29.87	+22	60	57	+5	N	3	b	0	63	50	-
	London ...	29.78	58	NW	2	c	29.90	+16	56	54	+1	N	2	bc	*	65	50	-
	Oxford ...	29.82	55	N	1	c	29.90	+14	54	52	0	NW	1	c	*	65	49	0.02
	Cambridge ...	29.79	58	N	1	c	29.88	+15	57	55	+2	SW	1	0	*	65	48	-
	Yarmouth ...	29.70	58	NW	4	c	29.83	+20	55	52	-2	NW	1	c	3	60	48	-
GERMANY & HOLLAND.	Cuxhaven ...	29.47	59	N	3	bc	29.59	+10	59	58	+3	NW	6	bc	*	63	56	0.12
	Berlin ...	29.56	65	N	2	0	29.65	+09	59	56	+1	NW	4	0	*	73	55	-
	Wiesbaden ...	29.73	55	SW	3	0	29.89	+24	57	54	+2	NW	2	b	*	70	54	0.04
	Munich ...	29.73	55	SW	3	0	29.96	+26	54	51	+1	N	5	0	*	59	50	0.12
	The Helder ...	29.66	58	NW	3	c	29.81	+08	58	55	0	NW	3	bc	3	59	57	0.04
	Brussels (S.A.L.)	29.72	62	NW	3	bc	29.91	+30	55	53	+1	SW	2	c	*	64	49	0.24
	Cape Gris Nez	29.72	62	NW	3	bc	29.86	+25	59	56	+2	SW	3	0	2	63	54	-
	Paris ...	29.79	58	NW	2	0	29.95	+25	52	51	+2	SW	1	bc	*	70	47	0.04
	Brest ...	29.79	60	N	2	bc	?	?	57	56	+1	N	2	c	3	66	54	-
	Lorient ...	29.91	62	NW	3	bc	30.03	+30	56	55	0	Z	0	0	4	68	52	-
FRANCE AND BELGIUM.	Rochefort ...	29.83	64	NW	4	bc	?	?	59	56	0	NNE	3	bc	*	70	52	-
	Belfort ...	29.93	61	N	3	bc	?	?	54	46	-3	N	3	bc	*	69	49	0.12
	Lyons ...	29.85	60	E	1	c	30.01	+34	55	52	-1	E	1	c	*	69	51	-
	Nice ...	29.67	66	SW	4	bc	29.86	+22	65	61	+3	ESE	4	b	0	75	55	-
	Perpignan ...	29.92	66	N	4	c	30.08	?	65	58	+8	NW	3	b	*	73	57	-
	Biarritz ...	29.96	65	NW	8	bc	30.08	+20	62	59	0	S	2	c	?	66	59	0.91
PENIN- SULA.	Corunna ...	30.06	62	NW	5	bc	30.02	-04	60	56	+1	NW	3	c	3	70	57	-
	Lisbon ...	30.06	62	NW	5	bc	30.02	-04	60	56	+1	NW	3	c	3	70	57	-

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

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



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for 8 a.m. on Monday, 24. Aug., 1891.

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### EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

→ forces above 10; → forces 8 to 10;

→ forces 6 to 7; → forces 1 to 4.

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

≡ = Rough. ≡ = High.

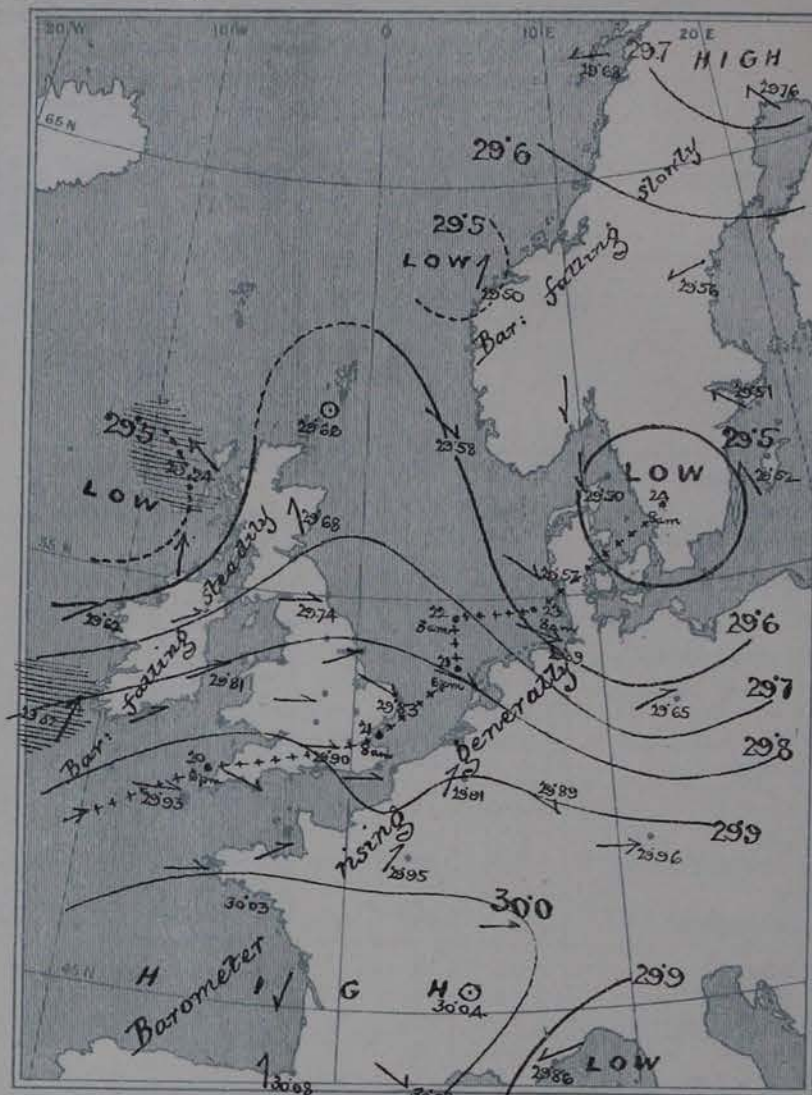
### MEAN HEIGHT OF THE BAROMETER

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

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
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Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Scilly	29.962
Prawle Point	29.975
Jersey	29.984
Hurst Castle	29.965
Dover	29.949
LONDON	29.954
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

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

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	57.7	48.4	53.4	51.7	3.16
Stornoway	59.8	48.8	54.9	53.2	3.67
Wick	61.1	48.3	55.2	53.2	2.57
Nairn	63.4	50.3	55.5	52.7	2.75
Aberdeen	63.1	50.1	56.5	53.4	3.03
Leith	65.7	51.3	57.5	54.4	2.66
Shields	63.6	51.0	57.2	54.5	2.85
Spurn Head	61.3	55.0	58.8	56.6	1.86
York	67.9	51.3	57.7	55.0	2.54
Loughborough	70.4	51.8	59.3	56.9	2.53
Ardrassan	63.6	52.8	57.2	54.8	3.78
Mullaghmore	63.3	53.8	57.3	54.5	3.65
Donaghadee	62.2	52.2	56.9	55.3	3.04
Holyhead	64.1	54.8	58.4	56.2	2.77
Liverpool	65.8	54.1	58.5	56.2	2.83
Parsonstown	66.0	54.4	57.3	55.2	3.38
Valencia	64.7	54.1	59.3	56.9	1.79
Roche's Point	66.1	53.8	58.2	56.3	3.62
Pembroke	63.2	55.6	58.6	56.5	2.77
Scilly	64.0	57.0	60.0	58.8	2.39
Prawle Point	63.3	54.4	60.1	57.9	2.14
Jersey	68.8	57.1	62.8	59.6	2.24
Hurst Castle	68.1	55.0	61.0	58.9	2.28
Dover	67.4	56.7	62.0	58.6	2.04
LONDON	71.8	53.5	60.9	57.3	2.21
Oxford	69.3	53.0	58.8	56.0	2.24
Cambridge	71.3	51.8	60.0	57.1	2.10
Yarmouth	69.3	54.8	60.5	57.6	2.15

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 30.0 ins. and upwards in an anticyclone lying over Spain and the greater part of France.  
 Lowest 29.5 ins. and less in two depressions, - the one passing away over the south of Sweden, the other advancing towards the west of Scotland.  
 Gradients moderate or slight generally, but increasing over our extreme northwest coasts.  
 Barometer falling in the west and north of our Islands, and also in Scandinavia, but rising elsewhere.

## TEMPERATURE

Highest 65° at Nice and Perpignan, 62° at Biarritz, 61° at Stockholm, and 60° at Jersey, Dungeness & Lisbon.  
 Lowest 47° at Haparanda, 51° at Lumburgh H<sup>o</sup>, and 52° at Stornoway, Wick, Aberdeen and Shields.  
 The maxima registered yesterday were below 60° at many of our N<sup>m</sup> stations; in London the thermometer rose to 65°.

## WIND

Light to fresh from the S<sup>w</sup> or S<sup>w</sup><sup>nd</sup> in Ireland and from the SE<sup>w</sup> in Scotland.  
 Light to moderate from the W<sup>nd</sup> or NW<sup>nd</sup> over Germany, the Netherlands and the south of England.  
 N<sup>nd</sup> in the south of Norway; SE<sup>nd</sup> or E<sup>nd</sup> in Sweden; variable in the south of France.

## WEATHER

Dull and showery in the west and north of our Islands, as well as in Sweden and Germany.  
 Fine over the greater part of England and France, and also on the eastern shores of the North Sea.  
 Showers fell yesterday in many parts of W<sup>m</sup> Europe, and thunder and lightning were observed in the south of England.

## SEA

Rather rough at Stornoway and Valencia Island, but moderate to smooth elsewhere.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the west of Scotland will probably move eastwards, and occasion a considerable increase of wind from the south-westward and westward over Ireland and England, with rain in most parts of the Kingdom.

## FORECASTS

For the 24 hours ending at NOON on 25<sup>th</sup> AUGUST 1891.

### DISTRICTS.

### FORECASTS.

- |   |                  |   |
|---|------------------|---|
| 0 | SCOTLAND NORTH   | SE <sup>nd</sup> to E <sup>nd</sup> winds, fresh, dull, rainy.                      |
| 1 | SCOTLAND EAST    | S <sup>nd</sup> to variable breezes, dull, rainy.                                   |
| 2 | ENGLAND N.E.     | SW <sup>nd</sup> winds, freshening; fair to dull and some rain.                     |
| 3 | ENGLAND EAST     |   |
| 4 | MIDLAND COUNTIES |   |
| 5 | ENGLAND SOUTH    | SW <sup>nd</sup> and W <sup>nd</sup> winds, freshening; fair to cloudy and showery. |

### DISTRICTS.

### FORECASTS.

- |    |               |  |
|----|---------------|--|
| 6  | SCOTLAND WEST | S <sup>nd</sup> to W <sup>nd</sup> winds, freshening considerably; dull, rainy.                        |
| 7  | ENGLAND N.W.  |  |
| 8  | ENGLAND S.W.  | SW <sup>nd</sup> winds, freshening considerably; fair to dull and some rain.                           |
| 9  | IRELAND NORTH | SW <sup>nd</sup> to W <sup>nd</sup> winds, strong; squally and rainy at first, some improvement later. |
| 10 | IRELAND SOUTH |  |

### WARNINGS

None issued

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA	SEA		BAR:	THER:		WIND		WEA	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.57	66	56	W.W.	2	0	2		Holyhead ...	29.82	58	55	N.W.	2	0
Sumburgh Head ...									Valencia ...						
Stornoway ...	29.81	54	51	N.E.	2	0	2		Scilly ...						
Aberdeen ...									Jersey ...	29.83	62	57	N.W.	3	6c
Shields ...									Dungeness ...	29.73	62	56	N	3	6c
Ardrossan ...									London ...						
Malin Head ...	29.44	55	51	N.W.	2	0	2		Yarmouth ...						
Mullaghmore ...									Rocheport ...	29.76	66	61	N	4	c
Belmullet ...	29.91	58	54	N.W.	2	0	*								

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

Weather cloudy or overcast over the greater part of Europe with rain over Belgium, the north of France, eastern Denmark, and northern Austria. Fine in Spain, Algeria, and the southern parts of Italy, Austria and Russia, as well as at some of the German stations. Showers falling during day in many parts of Western Europe and thunderstorms occurring in the extreme south of England. Temperature highest 81° at Palma, 79° at Brindisi and 78° at Pesaro, Rome, Cagliari, Algiers and La Calle; above 70° in most parts of Italy, and Algeria, but much lower in Spain, and the south of France, and as low as 55° at Madrid. Lowest 42° at Ottchangel, 46° at Tzafarunda, 47° at Uleaborg and 50° at Kuspis; below 50° over the whole of northern Europe as well as in many parts of the United Kingdom. Daily maxima below 60° at all our more northern stations and very little above 65° even in the extreme south. Exceeding 70° in some parts of France.

Wind light or moderate from the north or northwest over our islands, the south of Norway, and the north of France. Light from the southeast over Finland and the Baltic and from the East over the northern parts of Scandinavia. Moderate from the south in Italy and also over north Germany; N. in Spain, light and variable over Algeria and the south of Russia. Subsequently backing to the Westward in the west of Ireland.

Barometer highest 30.1 inches and upwards in Portugal; 29.9 inches and upwards over northern Russia. Lowest 29.4 inches and less in a depression lying over the North Sea to the west of Heligoland; 29.6 inches and less in another disturbance lying over the extreme north of the Adriatic. Former depression subsequently moving slowly eastwards but new disturbance beginning to approach our extreme western coasts.

## SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 16<sup>TH</sup> TO THE 22<sup>ND</sup> AUGUST 1891.

The weather of the past week remained in a very changeable and unsettled state with heavy falls of rain in nearly all districts and with thunderstorms in many parts of Great Britain.

At the commencement of the period the barometer was highest in an anticyclone lying over the Bay of Biscay, the west of France and the north of Spain, and relatively high over the north of Sweden, the lowest readings being found in a depression which had passed across the extreme N. of our islands to the south of Scandinavia. On the night of the 16<sup>th</sup>, however, the high pressure system to the south of our islands gave way and in the course of the next three days two well marked depressions passed in a north-north-easterly direction along our extreme western coasts. S.W. to E. winds were therefore experienced over the entire kingdom, and in the west and north they blew strongly, with heavy falls of rain in many places.

On the 20<sup>th</sup> the second depression gradually filled up over the north of Ireland, but a new disturbance of increasing depth advanced to our southwest coasts and in the course of the ensuing night the latter system travelled in an east-northeasterly direction across the south of England, its passage being attended by heavy falls of rain over the whole of our southern and east-southern counties, & by a fresh W. gale in the Channel. The amount of rain measured on the morning of the 21<sup>st</sup> varied from an inch to an inch and a half in nearly all parts of our southern and eastern districts and in the course of the ensuing night thunderstorms were experienced in many parts of Great Britain.

At the close of the week the depression which had reached the southern parts of the North Sea was gradually filling up and N. breezes with fair weather were reported in most districts.

Temperature was at first very little below its normal height but towards the close of the week the thermometer fell gradually and on the 21<sup>st</sup> the daily maxima were below 65° in nearly all parts of the United Kingdom and below 60° at many of our northern 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 25<sup>th</sup> August. 1891.  
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ...	29.71	46	NE	2	C	29.58	-0.08	49	46	+2	E	2	0	*	53	39	—	
Hernösand ...	29.56	54	N	2	T	29.57	+0.01	54	53	-1	NE	2	0	*	55	50	2.29	
Stockholm ...	29.54	56	2	0	G	29.55	+0.01	55	53	-2	SW	2	6	*	64	54	—	
Wisby ...	29.58	66	SW	4	C	29.66	+0.14	57	53	0	WNW	6	7	*	52	52	0.08	
Bodö ...	29.50	54	E	2	G	29.58	-0.10	55	51	0	E	2	6c	1	59	48	—	
Christiansund	29.54	55	W	2	C	29.52	+0.02	55	54	-1	SWW	1	6	1	59	52	—	
Skudesnaes ...	29.63	56	2	0	O	29.48	-0.10	56	53	-2	SE	8	7	5	61	55	—	
Christiania Fjord (Færd)	29.55	57	SW	4	G	29.56	+0.02	57	52	0	SW	6	6	3	61	57	—	
Skagen (The Scaw)	29.58	57	WNW	3	G	29.65	+0.15	55	52	-4	WSW	3	6c	1	63	52	—	
Fanø ...	29.77	55	W	4	G	29.69	+0.12	57	57	0	SWW	4	0	*	63	55	—	
BRITISH ISLANDS.																		
Sumburgh Head	29.52	52	SE	2	C	29.57	-0.49	54	54	+3	SE	2	7	3	55	48	0.04	
Sornoway ...	29.41	56	W	2	O	29.13	-0.41	55	54	+3	S	2	0	3	58	50	0.25	
Wick ...	29.47	55	S	3	O	29.16	-0.49	54	53	+2	W	2	7	2	58	50	0.20	
Nairn ...	29.44	58	SW	1	C	29.16	-0.46	54	53	+2	SW	1	C	1	59	50	0.12	
Aberdeen ...	29.54	55	S	4	ogp	29.18	-0.50	58	56	+6	SW	3	6c	3	61	52	0.57	
Leith ...	29.57	53	S	2	T	29.26	-0.45	55	55	+6	SW	5	6	*	61	52	0.15	
Shields ...	29.65	57	SWW	2	op	29.35	-0.39	58	57	+6	S	5	0	2	63	46	0.13	
Spurn Head ...	29.73	57	SWW	4	T	29.56	-0.23	57	55	+1	SWW	7	7	4	63	55	0.04	
York ...	29.73	59	SW	2	O	29.50	-0.30	58	55	+4	SWW	4	0	*	60	50	0.10	
Loughborough	29.80	59	WSW	3	O	29.62	-0.24	57	54	+1	SWW	6	ogp	*	66	54	0.10	
Ardrossan ...	29.53	56	SWW	4	T	29.30	-0.38	56	54	0	SW	4	0	3	56	53	0.38	
Malin Head ...	29.49	52	SWW	3	ogp	29.27	-0.32	55	53	+1	SWW	3	op	2	61	52	0.49	
Mullaghmore ...	29.52	58	WSW	4	ogp	29.31	-0.33	55	53	-1	SWW	4	0	2	62	54	0.61	
Belmullet ...	29.50	57	WSW	2	T	29.22	-0.40	57	56	0	SWW	5	op	*	59	54	0.50	
Donaghadee ...	29.57	57	SWW	2	T	29.37	-0.37	56	55	+2	SW	3	0	1	62	53	0.51	
Liverpool (Bidston)	29.73	55	SW	4	T	29.48	-0.34	60	57	+4	SWW	4	0	3	62	55	0.59	
Holyhead ...	29.71	56	SW	5	pmg	29.47	-0.34	58	57	+4	SW	5	pmg	5	60	54	0.79	
Parsonstown ...	29.64	58	SW	1	O	29.39	-0.38	57	56	+3	SW	1	T	*	60	53	0.48	
Valencia ...	29.67	58	SW	6	omg	29.48	-0.39	57	57	0	SWW	6	pm	5	60	56	0.40	
Roche's Point...	29.70	58	SW	5	pm	29.50	-0.36	57	57	0	SW	5	pm	4	59	56	0.20	
Pembroke (St. Ann's Hd.)	29.82	58	WSW	4	C	29.56	-0.32	58	58	+1	S	7	pm	6	59	54	0.49	
Scilly ...	29.90	59	SW	4	O	29.68	-0.25	59	58	0	SWW	6	m	5	63	56	0.02	
Prawle Point ...	29.94	56	WSW	4	Cp	29.77	-0.17	57	56	0	WSW	6	oga	4	61	54	0.01	
Jersey (St. Aubin's)	30.00	62	WSW	3	bc	29.90	-0.09	61	56	+1	SW	5	ogp	4	64	57	—	
Hurst Castle ...	29.93	60	WSW	6	C	29.81	-0.13	60	58	+1	WSW	7	Cp	4	63	51	0.04	
Dungeness ...	29.89	61	WSW	5	C	29.80	-0.09	60	57	0	WSW	6	Cp	4	66	57	0.04	
London ...	29.88	61	SW	3	O	29.76	-0.14	59	55	+3	SW	4	0	*	65	54	0.06	
Oxford ...	29.87	56	SW	3	O	29.71	-0.19	57	54	+3	S	5	ogp	*	63	54	0.10	
Cambridge ...	29.85	58	SW	3	O	29.70	-0.18	58	56	+1	SW	4	0	*	66	53	0.09	
Yarmouth ...	29.83	62	WSW	2	C	29.72	-0.11	57	55	+2	SW	5	C	4	64	53	0.13	
GERMANY & HOLLAND.																		
Cuxhaven ...	29.83	57	WNW	4	C	29.83	+0.24	57	56	-2	SW	4	0	*	61	57	—	
Berlin ...	29.88	57	WNW	4	G	29.96	+0.31	56	54	-3	SW	3	C	*	64	50	—	
Wiesbaden ...	30.00	58	W	4	T	30.06	+0.17	54	52	-3	2	0	6c	*	66	46	—	
Munich ...	30.13	58	W	4	T	30.15	+0.19	55	52	+1	2	0	6	*	61	45	0.16	
The Helder ...	30.13	58	W	4	T	30.15	+0.19	55	52	+1	2	0	6	*	61	45	0.16	
FRANCE AND BELGIUM.																		
Brussels (9 a.m.)	30.01	60	SW	5	C	29.83	-0.03	59	57	0	SW	5	0	5	61	55	—	
Cape Gris Nez	30.02	62	W	1	G	30.02	+0.07	55	53	+3	SWW	2	6c	3	70	48	—	
Paris ...	30.02	62	SW	2	G	30.02	+0.07	55	53	0	SW	4	6	3	66	55	—	
Brest ...	30.04	57	WSW	2	bc	29.95	-0.08	60	57	+4	SW	3	6c	3	66	55	—	
Lorient ...	30.04	57	WSW	2	bc	29.95	-0.08	60	57	+4	SW	3	6c	3	66	55	—	
Rochefort ...	30.01	66	WNW	3	G	29.97	-0.04	59	57	0	SWW	2	6	2	71	54	—	
Belfort ...	30.12	62	W	3	bc	30.12	+0.00	55	49	+1	W	3	6c	*	71	55	—	
Lyons ...	30.06	64	WSW	1	G	30.12	+0.08	56	53	+1	WSW	1	6	*	71	49	—	
Nice ...	29.96	66	SW	5	G	30.12	+0.26	62	56	-3	NE	1	C	2	75	57	—	
Perpignan ...	30.06	68	S	1	O	30.08	+0.00	59	57	-6	SW	1	C	*	74	54	—	
Biarritz ...	30.03	72	E	3	G	30.02	-0.06	60	65	+6	W	4	6c	2	73	61	—	
PENIN- SULA.																		
Corunna ...	30.06	63	WNW	4	G	30.14	+0.12	60	58	0	N	3	6	2	73	57	—	
Lisbon ...	30.06	63	WNW	4	G	30.14	+0.12	60	58	0	N	3	6	2	73	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 Tuesday, 25<sup>th</sup> August, 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 show the prevalent winds. They fly with the wind and

(hair barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

⊙ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

### MEAN HEIGHT OF THE BAROMETER

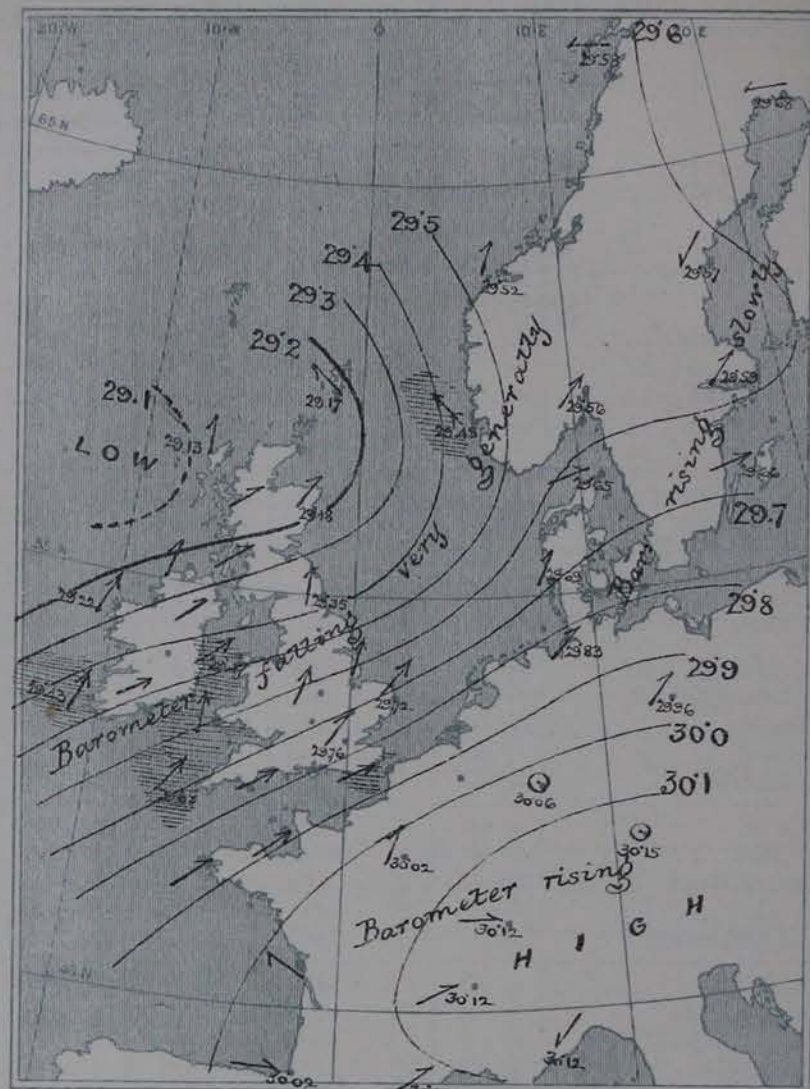
at 8.0 a.m. for the month of August

During the 20 Years: 1871—1890.

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.928
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Scilly	29.962
Præstø Point	29.975
Jersey	29.981
Hurst Castle	29.965
Dover	29.949
LONDON	29.951
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

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

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head .....	57.7	48.4	53.4	51.7	3.16
Stornoway .....	59.8	48.5	54.9	53.2	3.67
Wick .....	61.1	48.3	55.2	53.2	2.57
Nairn .....	63.4	50.3	55.5	52.7	2.75
Aberdeen .....	63.1	50.1	56.5	53.4	3.03
Leith .....	65.7	51.3	57.5	54.4	2.56
Shields .....	63.6	51.9	57.2	54.5	2.85
Spurn Head .....	64.3	55.0	58.8	56.6	1.86
York .....	67.9	51.3	57.7	55.0	2.54
Loughborough .....	70.4	51.8	59.3	56.9	2.53
Ardrossan .....	67.6	52.8	57.2	54.8	3.78
Mullaghmore .....	63.3	53.8	57.3	54.5	3.65
Donaghadee .....	62.2	52.2	56.9	55.3	3.04
Holyhead .....	64.1	54.8	58.4	56.2	2.77
Liverpool .....	65.8	54.1	58.5	55.2	2.83
Parsonstown .....	66.0	51.4	57.3	55.2	3.38
Valencia .....	64.7	54.1	59.3	56.9	4.70
Roche's Point .....	66.1	53.8	58.9	56.3	3.82
Pembroke .....	63.2	55.0	58.6	56.5	2.77
Scilly .....	64.9	57.0	60.9	58.8	2.39
Præstø Point .....	65.3	54.4	60.1	57.9	2.14
Jersey .....	68.8	57.1	62.8	59.6	2.24
Hurst Castle .....	68.1	55.9	61.0	58.9	2.28
Dover .....	67.2	56.7	62.0	58.6	2.04
LONDON .....	71.8	53.5	60.9	57.3	2.21
Oxford .....	69.3	53.0	58.8	56.0	2.24
Cambridge .....	71.3	51.8	60.0	57.1	2.19
Yarmouth .....	66.3	54.8	60.5	57.6	2.15

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 30.1 ins. and more to 29.9 ins. over France and Germany.  
 Lowest about 29.1 ins. and less in a depression off the west of Scotland.  
 Gradients are somewhat steep over Ireland, England, the Channel and North Sea.  
 Barometer is falling generally, most in the northwest.

## TEMPERATURE

Highest 68° at Biarritz, 62° at Nice, 60° at Hurst Castle & Dungeness, 59° at Sully and in London.  
 Lowest 49° at Haparanda, 54° at Hermösand, Sumburgh Head & Wiesbaden, 55° at Paris.  
 The daily maxima yesterday were below 65° at nearly all our own stations.

## WIND

S<sup>3</sup> to E<sup>2</sup> at most northern stations, and of little force; SW<sup>2</sup> and strong over Ireland, Scotland and the Channel, and blowing a moderate gale at the Needles and Spurn Head. Over the Bay of Biscay and France it is moderate and somewhat variable.

## WEATHER

Unsettled generally; overcast at nearly all our own stations, and rainy in several places. A great deal of rain has fallen in the west, and smaller quantities elsewhere, lightning was seen in London last night.

## SEA

Rough in the southwest and west, moderate in the eastern parts of the Channel, with a tendency to increase.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any settled weather at present.

# FORECASTS

For the 24 hours ending at NOON on 26<sup>TH</sup> AUGUST 1891.

## DISTRICTS.

## FORECASTS.

## DISTRICTS.

## FORECASTS.

- |   |                  |  |
|---|------------------|--|
| 0 | SCOTLAND NORTH   | } SW <sup>2</sup> winds, showery, unsettled.                                 |
| 1 | SCOTLAND EAST    |  |
| 2 | ENGLAND N.E.     | } SW <sup>2</sup> winds, strong; gusty, showery.                             |
| 3 | ENGLAND EAST     |  |
| 4 | MIDLAND COUNTIES |  |
| 5 | ENGLAND SOUTH    | SW <sup>2</sup> winds, strong, a gale at times; squally, showery, unsettled. |

- |    |               |                         |
|----|---------------|-------------------------|
| 6  | SCOTLAND WEST | } Same as Nos 0. and 1. |
| 7  | ENGLAND N.W.  |                         |
| 8  | ENGLAND S.W.  |                         |
| 9  | IRELAND NORTH |                         |
| 10 | IRELAND SOUTH | } Same as No 5.         |

## WARNINGS

The South Cone was hoisted last evening in districts 5. and 7. to 10., & is still flying.

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



# YESTERDAY'S 2 P.M. REPORTS.

	THER: WIND								THER: WIND						
	BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA
Skudesnaes ...	29.62	61	54	NW	4	C	2	Holyhead ...	29.77	59	57	SW	4	omg	4
Sumburgh Head ...	29.60	54	49	SE	1	C	1	Valencia ...	29.76	60	59	SW	6	omg	5
Stornoway ...	29.40	57	56	SW	4	0	4	Scilly ...	29.94	61	58	SW	4	of	4
Aberdeen ...	29.60	57	58	S	4	of	3	Jersey ...	30.02	64	58	SW	3	bc	3
Shields ...	29.70	61	56	SW	3	0	4	Dungeness ...	29.91	63	58	W	5	C	3
Ardrossan ...	29.62	56	56	SW	4	7	3	London ...	29.90	65	59	SW	2	C	*
Malin Head ...	29.57	60	57	W	3	0	2	Yarmouth ...	29.85	63	60	W	3	bc	3
Mullaghmore ...	29.60	60	59	SW	2	0	2	Rocheport ...	?	72	61	2	0	bc	?
Belmullet ...	29.60	59	57	W	2	0	*								

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

Weather. fine over England, Norway, Denmark and the Netherlands, as well as over the greater part of southern and eastern Europe. Dull elsewhere with passing showers in the west and north of our Islands, steady rain at some of the Swedish and German stations and fog at Wisby, Riga and St Petersburg. Heavy rain falling later in the western parts of the United Kingdom and smaller amounts in all other districts; lightning seen in London in evening.

Temperature highest 82° at Brindisi, 81° at Spaa, 78° at Malta, and 75° at Constantinople, above 70° at most of the Algerian stations and also in the extreme south of Russia, but below that point over the greater part of Spain and Italy, and as low as 57° at Madrid. Lowest 44° at Archangel, 47° at Haparanda, 48° at Uleaborg, and 49° at Kuopio; below 55° in many parts of the United Kingdom. Daily maxima below 65° at most of our own stations, and below 60° in some of the western and northern districts, but thermometer exceeding 70° in France.

Wind light to fresh from the S<sup>W</sup> or S<sup>W</sup> in Ireland and from the SE<sup>W</sup> in Scotland; moderate from the W<sup>W</sup> over Germany, the Netherlands, the south of England and the north of France - NW<sup>W</sup> in Denmark and the south of Norway, E<sup>W</sup> over Sweden, northern Russia and the Baltic; SE<sup>W</sup> or S<sup>W</sup> over the central and southern parts of Russia. Variable over Algeria and the greater part of southern Europe. Subsequently backing to the SW<sup>W</sup> in the south of England and increasing to a fresh or strong breeze.

Barometer highest 30.1 ins. and upwards in an anticyclone lying over Algeria, Spain, France, the Bay of Biscay and the western parts of the Mediterranean and also in another system lying over the north of Russia. Lowest 29.5 ins. and less in four depressions, - one lying off the west of Scotland, another off the west of Norway, a third over the south of Sweden and a fourth (a large shallow system) over Poland, Prussia and the Baltic Provinces. Depression off the west of Scotland subsequently moving northwards but new disturbance beginning to approach 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.

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“ Weekly “ “ “ £1 10 0 “



# DAILY WEATHER REPORT.

for *Wednesday, 26<sup>th</sup> August, 1891.*  
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.	
		Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.66	47	Z	0	0	29.68	00	59	50	+ 10	SE	2	0	*	?	41	-	
	Hernösand ...	29.63	55	Z	0	0	29.49	- 08	56	55	+ 2	SSE	4	+	*	63	48	0.04	
	Stockholm ...	29.65	54	SW	2	6	29.62	+ 03	60	57	+ 3	SSW	2	0	*	64	50	0.08	
	Wisby ...	29.75	59	SW	6	0	29.71	+ 05	63	59	+ 6	SSW	4	0	*	63	54	-	
	Bodö ...	29.51	55	SE	1	0	29.33	- 25	54	52	- 1	E	4	+	2	61	32	-	
	Christiansund	29.24	59	NNE	2	+	29.07	- 45	58	53	+ 3	ENE	3	0	2	61	52	0.04	
	Skudesnaes ...	29.31	59	S	7	+	28.99	- 49	59	58	+ 3	S	10	+	6	59	56	0.84	
	Christiania Fjord (Færder)	29.49	58	SSW	7	+	29.26	- 30	58	57	+ 1	SSW	8	+	5	59	57	0.39	
	Skagen (The Scaw)	29.53	57	WSW	7	+	29.32	- 33	59	57	+ 4	SW	7	+	5	59	55	0.28	
	Fanö ...	29.61	59	SW	6	0	29.41	- 28	60	59	+ 3	S	7	0	*	61	57	0.04	
BRITISH ISLANDS.	Sumburgh Head	29.26	53	SW	2	0	28.61	- 56	55	55	+ 1	NE	1	+	3	55	49	0.75	
	Stornoway ...	29.01	53	SW	3	60	28.81	- 32	53	53	- 2	NW	3	+	3	60	46	0.30	
	Wick ...	29.07	58	W	2	0	28.66	- 50	55	55	+ 1	WNW	3	+	2	64	52	0.50	
	Nairn ...	29.05	58	Z	0	0	28.68	- 48	55	54	+ 1	SW	2	+	2	64	53	0.47	
	Aberdeen ...	29.15	55	SSE	4	099p	28.73	- 45	58	55	0	SW	3	0	4	66	54	0.23	
	Leith ...	29.14	57	SW	3	0	28.90	- 36	54	51	- 5	SW	6	+	*	64	53	0.24	
	Shields ...	29.24	60	SSW	3	+	28.97	- 38	59	55	+ 1	WNW	7	0	3	64	50	0.37	
	Spurn Head ...	29.41	59	SSW	7	0	29.25	- 31	61	55	+ 4	SW	8	0	6	62	52	0.12	
	York ...	29.44	60	S	3	+	29.20	- 30	59	54	+ 1	WSW	7	0	*	64	55	0.22	
	Loughborough	29.41	61	SSW	4	+	29.36	- 26	58	53	+ 1	W	6	09	*	62	57	0.28	
GERMANY & HOLLAND.	Ardrossan ...	29.09	57	SSW	3	+	29.01	- 29	57	55	+ 1	W	5	099p	4	57	52	0.63	
	Malin Head ...	28.99	59	SSW	3	0p	29.05	- 22	54	51	- 1	W	6	099p	4	59	51	0.89	
	Mullaghmore ...	28.99	58	SSW	3	099p	29.20	- 11	55	53	0	WNW	6	09	5	61	53	0.64	
	Belmullet ...	28.91	57	SE	3	09	29.22	- 00	56	53	- 1	WSW	3	0	*	59	52	0.80	
	Donaghadee ...	29.12	58	SSW	3	+	29.17	- 20	56	54	0	W	5	0	3	60	54	0.64	
	Liverpool (Bidston)	29.26	60	SSE	4	+	29.27	- 21	58	52	- 2	WSW	8	0	6	63	55	0.32	
	Holyhead ...	29.21	58	SSW	6	9m	29.34	- 13	58	54	0	WSW	6	09	6	59	54	0.81	
	Parsonstown ...	29.00	60	SW	1	+	29.34	- 05	56	53	- 1	SW	2	0	*	60	53	0.71	
	Valencia ...	29.04	59	SSW	8	0	29.38	- 05	58	54	+ 1	WSW	4	09	5	60	53	0.95	
	Roche's Point...	29.19	59	SW	6	+	29.42	- 08	57	54	0	WSW	4	09	4	60	52	0.95	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.30	58	S	7	+	29.49	- 07	57	55	- 1	SW	6	0	6	60	54	1.00	
	Scilly ...	29.49	61	SSW	7	m	29.56	- 12	60	59	+ 1	SSW	4	0	5	62	57	0.15	
	Prawle Point ...	29.59	58	SW	7	0	29.61	- 16	58	56	+ 1	SW	3	09	3	59	46	0.06	
	Jersey (St. Aubin's)	29.76	65	SSW	4	099p	29.70	- 20	62	61	+ 1	SW	3	099p	3	67	60	0.31	
	Hurst Castle ...	29.64	60	WSW	9	099p	29.64	- 17	61	60	+ 1	WSW	8	09	5	62	58	0.15	
	Dungeness ...	29.69	63	SW	6	0	29.87	- 23	63	61	+ 3	SW	7	0	5	63	59	0.11	
	London ...	29.61	61	SSW	5	0	29.55	- 21	63	58	+ 4	SW	5	09	*	64	58	0.03	
	Oxford ...	29.50	60	SSW	5	0	29.53	- 18	60	55	+ 3	SW	6	09	*	62	57	0.10	
	Cambridge ...	29.55	60	SW	4	0	29.50	- 20	62	56	+ 4	SW	4	09	*	63	57	0.02	
	Yarmouth ...	29.60	61	SW	5	0	29.43	- 29	62	57	+ 5	W	7	09	4	64	55	0.01	
PENINSULA.	Cuxhaven ...	29.78	59	SW	4	0	29.61	- 22	61	60	+ 4	?	6	09	*	62	57	-	
	Berlin ...	?	63	SW	3	0	29.85	- 11	64	59	+ 8	SW	4	0	*	68	55	-	
	Wiesbaden ...	*	*	*	*	*	29.93	- 13	62	59	+ 8	Z	0	0	*	72	52	-	
	Munich ...	30.11	59	Z	0	0	30.13	- 02	62	57	+ 7	S	4	0	*	68	50	-	
	The Helder ...	29.69	61	SW	5	0	29.51	- 22	62	60	+ 4	SW	7	0	4	63	59	0.08	
	Brussels (9 a.m.)	*	*	*	*	*	29.73	- 27	63	59	+ 3	SSW	6	0	*	68	59	-	
	Cape Gris Nez	29.72	63	SW	6	0	29.56	- 27	62	61	+ 3	SW	7	+	7	63	57	-	
	Paris ...	29.89	67	SW	3	09	29.84	- 18	63	59	+ 8	SSW	4	0	*	74	55	-	
	Brest ...	?	61	SW	5	09	?	?	60	59	+ 3	SW	5	+	5	64	57	0.28	
	Lorient ...	29.84	63	SW	5	+	29.76	- 19	62	62	+ 2	SW	5	+	6	68	59	0.24	
PENINSULA.	Rochefort ...	?	68	WSW	4	09	29.91	- 06	67	64	+ 8	SW	4	09	*	79	?	-	
	Belfort ...	30.08	65	W	3	09	30.08	- 04	59	52	+ 4	W	3	09	*	?	46	-	
	Lyons ...	30.04	69	S	2	09	30.09	- 03	65	60	+ 9	S	2	09	*	75	58	-	
	Nice ...	30.13	64	SSE	3	0	30.15	+ 03	63	58	+ 1	E	3	0	0	77	57	-	
	Perpignan ...	30.08	68	NE	2	0	30.12	+ 04	66	64	+ 7	NE	3	0	*	76	?	-	
	Biarritz ...	30.09	71	NW	2	0	29.99	- 03	62	61	- 6	? SSE	2	m	2	77	59	-	
	Corunna ...	*	*	*	*	*	30.12	- 02	63	62	+ 3	SSE	2	+	3	75	60	-	
Lisbon ...	30.15	65	WNW	4	0	30.12	- 02	63	62	+ 3	SSE	2	+	3	75	60	-		

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, 26<sup>th</sup> August, 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 show the prevalent winds. They fly with the wind and their bars and feathers refer to force thus—

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

→→→ = forces 5 to 7; →→→→ = forces 1 to 4.

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

▨ = Rough. ▨▨ = High.

### MEAN HEIGHT OF THE BAROMETER

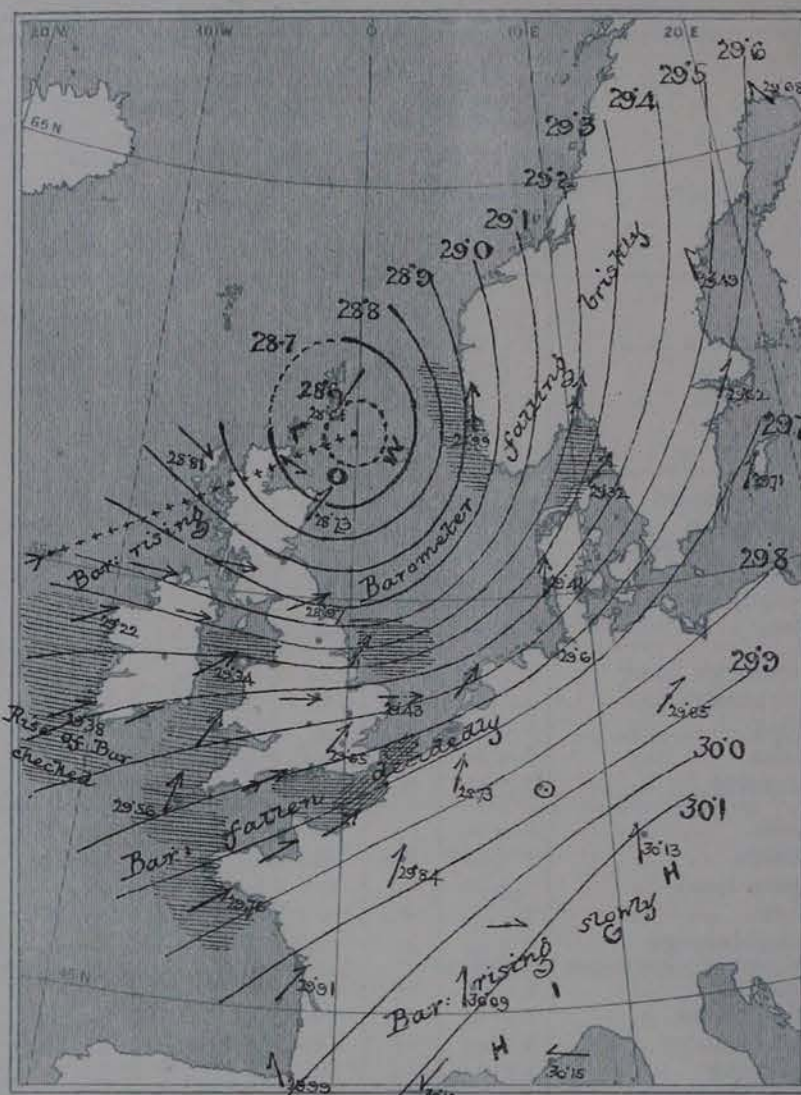
at 8.0 a.m. for the month of August

During the 20 Years: 1871—1890.

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stormway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.924
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Sally	29.962
Prawle Point	29.975
Jersey	29.984
Hurst Castle	29.965
Dover	29.949
LONDON	29.951
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER**—Is shown by Letters of the Beaufort Scale.

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

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, at 5 a.m.	Wet, at 5 a.m.	
Sumburgh Head	57.7	48.4	53.4	51.7	3.10
Stormway	59.8	48.8	54.0	53.2	3.07
Wick	61.1	48.3	55.2	53.2	2.57
Nairn	63.4	50.3	55.5	52.7	2.75
Aberdeen	63.1	50.1	56.5	53.4	3.03
Leith	65.7	51.3	57.5	54.1	2.56
Shields	63.6	51.9	57.2	54.5	2.55
Spurn Head	64.3	55.0	58.8	55.6	1.86
York	67.9	51.3	57.7	55.0	2.54
Loughborough	70.4	51.8	59.3	56.0	2.53
Ardrossan	63.6	52.8	57.2	54.8	3.78
Mullaghmore	63.3	53.8	57.3	54.5	3.65
Donaghadee	62.2	52.2	56.9	55.3	3.04
Holyhead	64.1	51.8	58.4	56.2	2.77
Liverpool	65.8	51.1	58.5	55.2	2.83
Parsonstown	66.0	51.4	57.3	55.2	3.38
Valencia	64.7	54.1	59.3	56.9	4.70
Roche's Point	66.1	53.8	58.9	56.3	3.62
Pembroke	63.2	55.6	58.6	56.5	2.77
Sally	64.9	57.0	60.9	58.8	2.30
Prawle Point	65.3	51.4	60.1	57.9	2.74
Jersey	68.8	57.1	62.8	59.6	2.24
Hurst Castle	68.1	55.0	61.0	58.9	2.28
Dover	67.2	56.7	62.0	58.6	2.04
LONDON	71.8	53.5	60.9	57.3	2.21
Oxford	69.3	53.0	58.8	56.0	2.24
Cambridge	71.3	51.8	60.0	57.1	2.10
Yarmouth	66.3	54.8	60.5	57.6	2.15

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





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 29.1 inches and more to 29.7 inches over the southern and southeastern parts of France and in S. Germany; 29.7 inches and more over the Baltic.

Lowest, about 28.6 inches, or less, in the depression near Lumburgh Head.

Gradients were steep over the North Sea and Great Britain, but were becoming moderate over Ireland.

Barometer was still falling in the extreme northeast, but had begun to rise in the west and south. At Palmaria Island, however, the rise was decidedly checked.

## TEMPERATURE

Highest 60° to 67° at French, German, and southern English stations.

Lowest 53° to 55° in the Shetlands, Hebrides, and north of Scotland.

The air was close and damp over England.

## WIND

Light to moderate from North-East at Lumburgh Head, N.W. at Stromway, and S.W. in the east of Scotland; S.W. strong to a gale, in the east and southeast of England; S.W. to W., moderate to strong, on our western coasts; S.W. moderate over the Bay of Biscay. A fresh to strong gale had been experienced very generally during the night except in the north of Scotland.

## WEATHER

Very unsettled, squally and showery, though a temporary improvement was reported in the west. Heavy rain has again fallen in the west and north, but not much in the east and south.

## SEA

Rough except on our northeastern and eastern coasts, high on the French side of the Straits of Dover.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression whose centre now lies a little to the northeastward of Wick, and rather to the southward of Lumburgh Head is moving northeastward. Strong S.W. gales have been experienced on all the Irish and British coasts, the north of France and over the North Sea. These have now moderated at the western and south-western stations, but the wind there is backing again and there are some indications that new disturbances are advancing.

## FORECASTS

For the 24 hours ending at NOON on 27<sup>th</sup> AUGUST 1891.

### DISTRICTS.

### FORECASTS.

### DISTRICTS.

### FORECASTS.

- 10 SCOTLAND NORTH
- 11 SCOTLAND EAST
- 12 ENGLAND N.E.
- 13 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 15 ENGLAND SOUTH

W<sup>2</sup> winds, strong to a gale, then more moderate; squally, changeable, very unsettled.

W<sup>2</sup> and S.W.<sup>2</sup> gales and strong winds, very unsettled, squally, showery.

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

W<sup>2</sup> and S.W.<sup>2</sup> winds, strong, squally, showery, very unsettled.

S<sup>2</sup> to W<sup>2</sup> winds, varying much in force; very unsettled, squally, showery.

### WARNINGS

The South Cone is still up on all 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.

		THER:		WIND						THER:		WIND					
	BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA		
Skudesnaes ...	29.33	59	57	SS E	8	7	5	Holyhead ...	29.37	55	55	SW	6	rgm	6		
Sumburgh Head ...	29.04	53	53	SW	2	0	3	Valencia ...	29.26	59	59	SW	5	7	4		
Stornoway ...	29.09	60	55	SW	3	c	3	Scilly ...	29.60	61	60	SSW	6	0	5		
Aberdeen ...	29.19	65	55	SSW	5	c q	3	Jersey ...	29.84	66	60	SSW	4	0	4		
Shields ...	29.35	62	58	SSW	3	op	2	Dungeness ...	29.77	62	58	SW	6	c	5		
Ardrossan ...	29.21	57	57	SSW	3	7	2	London ...	29.71	61	58	SW	5	0	8		
Malin Head ...	29.11	58	57	S	4	0	2	Yarmouth ...	29.67	63	58	SW	5	e	4		
Mullaghmore ...	29.15	61	59	SW	5	op	3	Rochefort ...	?	76	70	SW	3	be	7		
Belmullet ...	29.15	58	57	HSW	3	0	*										

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

Weather cloudy over the greater part of our Islands, with heavy rain at some of our western stations, and showers in many other places; dull and rainy also in Finland and some parts of Sweden. Fine and bright in all the more central and southern countries as well as at most of the Norwegian stations. Large quantities of rain falling later in the west and north of our Islands generally, the heaviest of all being 1.0 inch at Valencia, Rocks Point and Pembroke and 0.7 inch at Malin Head.

Temperature highest 79° at Hvar, 78° at Malta, and 77° at Brindisi, Palma, and Tunis, above 70° over the central and southern parts of the Mediterranean generally. Lowest 45° at Archangel, 47° at Kuopio, 49° at Kaparanka, 52° at St. Petersburg, and 53° at Helsingfors, below 55° in the extreme north of Scotland and also in some parts of Western Germany, but reaching 60° on the south coast of England. Daily maxima over our Islands mostly below 65° and below 60° at some of our western stations, but thermometer rising to between 70° and 80° in France.

Wind fresh or strong from the southwest over Ireland, England, and the south of Scotland, and light or moderate from the same quarter over Denmark, Germany and the Baltic. Light from the southeast in the extreme north of Scotland and from the east in the northern parts of Russia, and Scandinavia, variable in Italy, S. in Spain and Algeria, subsequently increasing to a fresh or strong gale from the westward over nearly the whole of Ireland and England.

Barometer highest 30.1 inches and upwards in a large anticyclone covering the greater part of Europe and the Mediterranean. Lowest 29.1 inches and less in a rather deep depression lying off the west of Scotland, 29.6 inches and less in a large shallow area over the north of Russia. Depression off the Scotch coast subsequently travelling away to the northward but new and far deeper disturbance approaching our west coasts from the Atlantic and barometer falling rapidly in Ireland.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
\* AN ASTERISK is inserted in all places for which information is not usually received.  
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.

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" Weekly " " " £1 10 0 "



# DAILY WEATHER REPORT.

for THURSDAY 27<sup>th</sup> AUGUST. 1891.  
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.			BAROMETER.	SHADE TEMP.			WIND.						SHADE TEMP.		
	Reading at 32° F. and Sea Level.	Dry.	Dirac.	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.	Dirac.	Force. (0 to 12.)	Weather.	Sea. (0 to 12.)		Max.	Min.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	29.40	53	SE	6	7	29.14	-54	56	55	-3	SEW	6	0	*	57	43	0.79
	Hernösand ...	29.17	57	SE	8	0	29.20	-25	61	56	+5	SEW	4	6	*	57	50	0.57
	Stockholm ...	29.46	61	SE	6	6	29.53	-10	60	56	0	SEW	6	0	*	66	52	0.04
	Wisby ...	29.63	62	SEW	8	6	29.75	+12	55	57	-4	SEW	6	7	*	68	55	—
	Bodö ...	29.02	58	ENE	6	0	29.51	-42	53	55	-1	WSEW	2	C	1	57	50	0.04
	Christiansund	29.87	58	ENE	2	C	29.13	+06	56	55	-2	WSEW	6	7	3	55	56	0.32
	Skudesnaes ...	29.15	59	WSEW	8	0	29.45	+46	55	56	0	S	6	C	6	55	57	0.32
	Christiania Fjord (Færd)	29.20	60	SEW	10	C	29.50	+24	60	56	+2	SEW	5	6	5	61	57	0.24
	Skagen (The Scaw)	29.45	58	WSEW	8	6	29.54	+22	58	57	-1	WSEW	3	0	2	63	55	0.16
	Faö ...	29.65	60	SEW	6	C	29.62	+21	61	60	+1	WSEW	4	C	*	64	57	0.24
BRITISH ISLANDS.	Sumburgh Head	29.58	53	WSEW	4	7	29.26	+65	53	52	-2	WSEW	1	6	5	56	48	0.24
	Stornoway ...	29.11	55	W	4	0	29.21	+40	56	53	+3	WSEW	4	6	4	56	51	0.10
	Wick ...	29.17	56	W	4	0	29.30	+64	54	51	-1	WSEW	2	6	3	58	49	0.15
	Nairn ...	29.17	56	W	3	6	29.28	+60	56	51	+1	WSEW	1	6	1	61	50	0.05
	Aberdeen ...	29.25	60	W	4	6	29.33	+60	58	54	0	WSEW	2	6	3	66	57	—
	Leith ...	29.31	53	WSEW	4	C	29.34	+44	59	55	+5	W	0	C	*	63	51	—
	Shields ...	29.35	62	WSEW	4	C	29.38	+41	54	53	-5	W	3	0	2	64	51	—
	Spurn Head ...	29.52	62	WSEW	4	0	29.43	+18	60	58	-1	W	4	6	4	67	55	0.08
	York ...	29.47	61	WSEW	1	0	29.42	+22	56	56	-3	W	1	0	*	67	50	0.10
	Loughborough	29.51	59	W	2	7	29.40	+10	59	58	+1	W	2	6	*	68	56	0.29
GERMANY & HOLLAND.	Ardrossan ...	29.31	55	W	3	6	29.32	+31	56	54	-1	WSEW	2	6	2	60	54	0.02
	Malin Head ...	29.26	58	WSEW	3	6	29.31	+26	53	50	-1	W	2	6	2	61	48	—
	Mullaghmore ...	29.30	58	WSEW	2	6	29.32	+12	52	49	-3	W	0	6	2	61	46	0.17
	Belmullet ...	29.31	57	W	3	6	29.31	+09	56	53	0	W	2	6	*	59	48	—
	Donaghadee ...	29.35	56	W	2	0	29.35	+18	53	53	-3	WSEW	2	6	0	65	53	0.10
	Liverpool (Bidston)	29.47	55	WSEW	2	7	29.37	+10	54	53	-4	WSEW	2	0	2	64	51	0.10
	Holyhead ...	29.42	56	W	5	0	29.34	0.0	57	56	-1	W	1	0	2	61	55	0.01
	Parsonstown ...	29.34	55	W	0	C	29.33	-01	50	49	-6	W	0	6	*	63	46	0.23
	Valencia ...	29.35	60	WSEW	3	6	29.35	-03	54	53	-4	W	0	6	1	62	46	0.25
	Roche's Point ...	29.38	59	W	3	6	29.32	-10	55	53	-2	WSEW	3	6	3	60	50	0.15
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.47	58	W	4	7	29.34	-15	56	57	+1	W	3	6	4	60	54	0.09
	Scilly ...	29.47	59	WSEW	4	7	29.36	-20	58	57	-2	WSEW	4	6	5	60	55	0.11
	Prawle Point ...	29.53	57	WSEW	6	6	29.44	-17	57	57	-1	W	5	6	4	60	55	0.40
	Jersey (St. Aubin's)	29.70	64	WSEW	5	6	29.57	-13	61	60	-1	WSEW	4	6	3	69	59	0.58
	Hurst Castle ...	29.61	62	WSEW	6	6	29.45	-15	60	60	-1	WSEW	6	6	4	64	59	0.48
	Dungeness ...	29.65	63	WSEW	5	6	29.53	-12	63	61	0	WSEW	5	6	4	66	55	0.15
	London ...	29.61	63	WSEW	5	6	29.52	-13	61	60	-2	WSEW	2	6	*	68	58	0.13
	Oxford ...	29.58	60	WSEW	5	7	29.47	-16	58	58	-1	W	3	6	*	64	57	0.53
	Cambridge ...	29.55	60	WSEW	1	7	29.45	-10	62	61	0	W	1	6	*	67	57	0.12
	Yarmouth ...	29.57	64	WSEW	4	C	29.53	+10	63	60	+1	WSEW	3	C	4	68	60	0.04
PENIN-SULA.	Cuxhaven ...	29.74	62	WSEW	4	C	29.74	+13	66	64	+5	WSEW	4	6	*	69	60	—
	Berlin ...	29.51	69	WSEW	2	6	29.53	+08	67	64	+3	WSEW	4	6	*	77	61	—
	Wiesbaden ...	29.51	69	WSEW	2	6	29.53	+08	67	64	+3	WSEW	4	6	*	77	61	—
	Munich ...	29.51	69	WSEW	2	6	29.53	+08	67	64	+3	WSEW	4	6	*	77	61	—
	The Helder ...	29.71	63	WSEW	3	0	29.67	+16	65	61	+3	WSEW	4	6	3	66	62	—
	Brussels (9 a.m.)	29.70	63	WSEW	3	0	29.70	-08	67	61	+4	WSEW	5	6	*	69	58	—
	Cape Gris Nez	29.69	64	WSEW	5	7	29.59	+10	65	60	+3	W	5	6	5	65	55	0.08
	Paris ...	29.86	72	WSEW	4	6	29.75	-11	62	58	-1	W	2	6	*	76	56	—
	Brest ...	29.70	57	WSEW	5	7	29.59	-11	59	57	-1	WSEW	5	7	5	76	57	0.38
	Lorient ...	29.77	64	WSEW	6	0	29.52	-24	62	62	0	WSEW	6	7	6	64	61	0.47
PENIN-SULA.	Rochefort ...	29.74	74	WSEW	1	6	29.74	+13	70	68	+3	W	5	6	2	81	64	—
	Belfort ...	29.03	63	W	3	6	29.53	-10	57	52	-2	W	2	6	*	74	45	—
	Lyons ...	29.01	72	WSEW	3	6	29.56	-13	67	57	+2	W	4	6	*	80	62	—
	Nice ...	29.17	66	W	1	0	29.15	0.0	64	63	+1	WSEW	1	6	0	75	59	—
	Perpignan ...	29.57	77	WSEW	3	6	29.56	-16	68	65	+2	WSEW	1	6	*	82	57	—
	Biarritz ...	29.84	83	WSEW	3	C	29.80	-19	76	64	+14	WSEW	4	6	2	95	76	—
	Corunna ...	29.04	66	WSEW	4	0	29.57	-19	67	66	+4	WSEW	5	0	3	72	63	0.04
	Lisbon ...	29.04	66	WSEW	4	0	29.57	-19	67	66	+4	WSEW	5	0	3	72	63	0.04

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, 27 August, 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

⊞ = Rough. ⊞ = High.

## MEAN HEIGHT OF THE BAROMETER

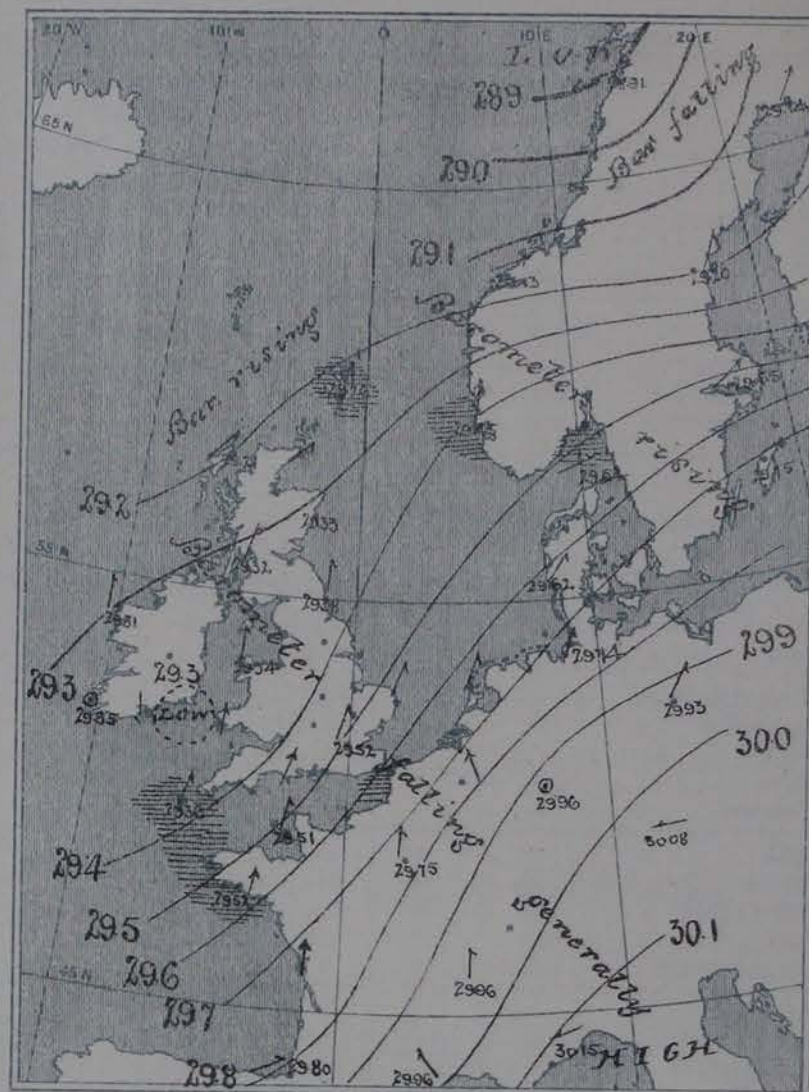
at 8.0 a.m. for the month of August

During the 20 Years: 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.925
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Silly	29.962
Prawle Point	29.975
Jersey	29.981
Hurst Castle	29.965
Dover	29.949
LONDON	29.951
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER**—is shown by Letters of the Beaufort Scale.

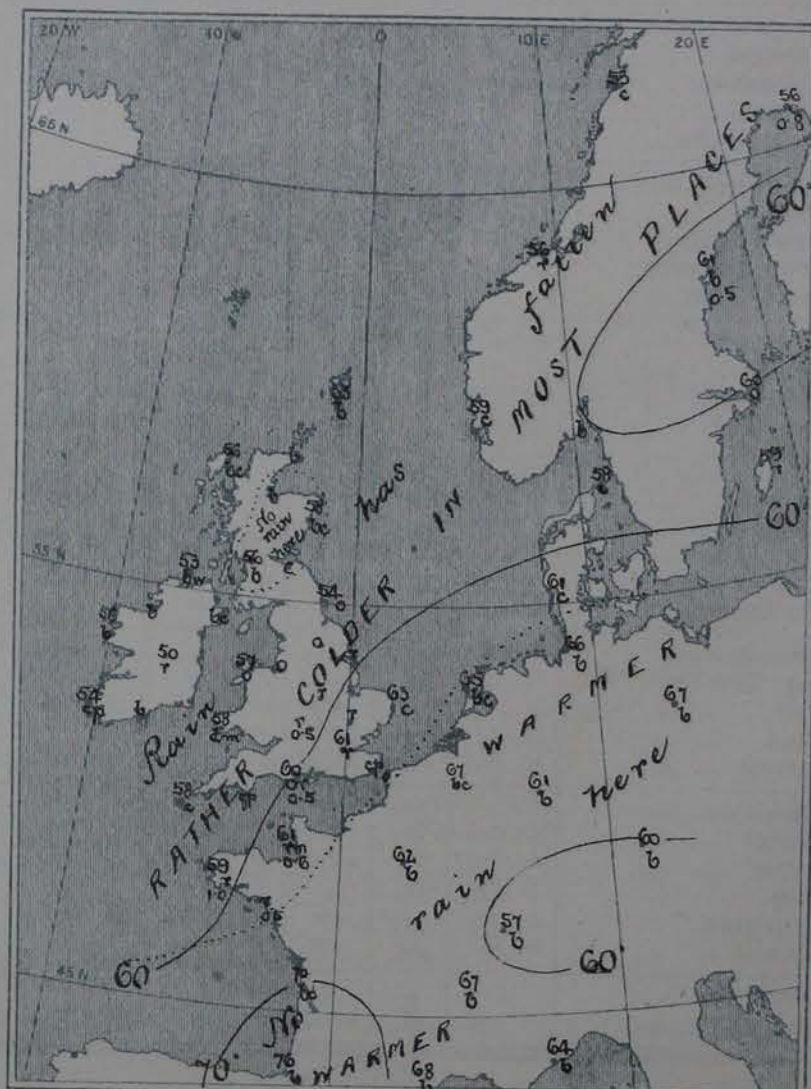
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	57.7	48.4	53.4	51.7	3.16
Stornoway	50.8	48.8	51.9	53.2	3.67
Wick	61.1	48.3	55.2	53.2	2.57
Nairn	63.4	50.3	55.5	52.7	1.75
Aberdeen	63.1	50.1	56.5	53.4	3.03
Leith	65.7	51.3	57.5	54.4	2.56
Shields	63.6	51.9	57.2	54.5	2.85
Spurn Head	61.3	55.0	58.8	56.6	1.86
York	67.9	51.3	57.7	55.0	2.34
Loughborough	79.4	51.8	59.3	56.9	2.63
Ardrossan	63.6	52.8	57.2	54.8	3.78
Mullaghmore	63.2	53.8	57.3	54.5	3.65
Donaghadee	62.2	52.2	56.9	55.3	3.04
Holyhead	64.1	51.8	58.4	56.2	2.77
Liverpool	65.8	51.1	58.5	55.2	2.83
Parsonstown	66.0	51.4	57.3	55.2	3.38
Valencia	64.7	51.1	59.3	56.9	4.70
Roche's Point	66.1	53.8	58.9	56.3	3.62
Pembroke	63.2	53.0	58.6	56.5	2.77
Silly	64.9	57.0	60.9	58.8	2.39
Prawle Point	65.3	54.4	60.1	57.9	2.11
Jersey	68.8	57.1	62.8	59.6	1.24
Hurst Castle	68.1	55.9	61.0	58.9	2.28
Dover	67.1	56.7	62.0	58.6	2.04
LONDON	71.8	53.5	60.9	57.3	2.21
Oxford	69.3	53.0	58.8	56.0	2.21
Cambridge	71.3	51.8	60.0	57.1	2.19
Yarmouth	69.3	51.8	60.5	57.6	2.15

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





# GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest 30.1 ins. and more to 29.8 ins. over the southeastern half of France.</p> <p>Lowest 28.9 ins. and less over Timmuck, about 29.2 ins. off the north and northwest of Scotland.</p> <p>Gradients somewhat steep over the Channel and the southeastern half of England.</p> <p>Barometer rising in the north and northeast, falling a little in the southwest and south.</p>
TEMPERATURE	<p>Highest 76° at Biarritz, 68° at Perpignan, and 60° to 63° over the S.E. part of England &amp; the N. part of France.</p> <p>Lowest 50° at Parsonstown, 52° at Mullaghmore, 53° at Malin Head, <del>Sandburgh H.</del> and Bodø.</p> <p>It was very warm in the southwest of France yesterday, but over England it remained below 70° all day.</p>
WIND	<p>Light from S.W. at the Scotch stations, strong in the west of Norway, light and very variable over Ireland; S.W. over England - light at the western stations, fresh in the south and southeast.</p> <p>Over France the wind is moderate from the S.W.</p>
WEATHER	<p>Fine at our northern and northwestern stations, showery in the west of Norway and west and southwest of the British Islands, very rainy over England, the Channel and Brittany. The rainfall measured on our southwest coasts at 8 am was about half an inch. In London a steady downfall was in progress.</p>
SEA	<p>Rough at the mouth of the Channel and on the French coast; moderate to smooth elsewhere.</p>

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The indications appear to be favourable for the prevalence of much rain over England today rather than for strong wind.

## FORECASTS

For the 24 hours ending at NOON on 28<sup>TH</sup> AUGUST 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Varying S.W. breezes, light, fair as a whole.	6 SCOTLAND WEST	Same as Nos. 0 to 2.
1 SCOTLAND EAST		7 ENGLAND N.W.	Same as Nos. 9 and 10
2 ENGLAND N.E.		8 ENGLAND S.W.	Same as Nos. 3 to 5.
3 ENGLAND EAST	S. and S.W. breezes, much rain, finer later.	9 IRELAND NORTH	Varying breezes, unsettled, 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:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	28.91	59	57	S	9	r	7	Holyhead ...	29.44	59	56	SW	6	cg	6
Sumburgh Head ...	28.68	53	53	NW	3	r	3	Valencia ...	29.37	60	57	SW	4	cg	4
Stornoway ...	29.01	55	54	NW	2	c	2	Scilly ...	29.51	59	58	S	4	r	5
Aberdeen ...	29.08	64	55	WSW	6	brg	5	Jersey ...	29.70	69	65	SSW	3	ogm	3
Shields ...	29.32	62	56	SW	4	c	3	Dungeness ...	29.68	61	60	WSW	4	d	3
Ardrossan ...	29.28	59	56	SW	4	b	3	London ...	29.64	67	64	S	4	o	*
Malin Head ...	29.24	60	55	WSW	4	b	3	Yarmouth ...	29.59	68	59	W	5	br	4
Mullaghmore ...	29.30	59	55	WSW	5	cg	3	Rocheport ...	29.89	75	66	SW	4	b	*
Belmullet ...	29.31	58	54	WSW	2	brp	*								

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

Weather dull and rainy over Scotland and the greater part of Scandinavia, as well as in the NW. of France; showery at some of the English and Irish stations, but fair on the whole. Fine and bright in nearly all parts of S. and E. Europe. Considerable improvement taking place later over the N. of our Islands, but steady rain settling in over the S. of England, and rain continuing in the NW. of France.

Temperature highest 77° at Barcelona, Brindisi and Algiers, 76° at Damascus, and Constantinople, and 75° at Malta, above 70° at most of the Austrian and Mediterranean stations, above 60° over France, Germany, the Netherlands and the Southeast of England. Lowest 50° at Uleaborg, 52° at Kuopio, and 53° at Warsaw, Cracow and St. Petersburg; a little below 55° at several of our own N. stations. Subsequently rising to between 65° and 69° in most parts of England, to 75° or more in Germany, and to 80° or more at several of the French stations.

Wind strong from the SW. over the greater part of our Islands (with a gale in the east and southeast of England) as well as over Denmark, the Netherlands, and the north of France, but light from between NE and NW. in the southern north of Scotland. Light or moderate from the S. over Sweden, the Baltic, Germany, and the central parts of France; strong to a gale from the same quarter in the South of Norway. Light and variable over Italy, Algeria and the Mediterranean. Wind subsiding later in most parts of the United Kingdom.

Barometer highest 30.1 ins. and upwards in a large anticyclone covering the Mediterranean, and the greater part of Southern and Eastern Europe. Lowest 28.6 ins. and less in a deep depression, the centre of which lay a little to the southward of the Shetlands, gradient steep over the whole of northwestern Europe, especially over the North Sea, and the north of England. Depression subsequently travelling away quickly in a northeasterly direction, but secondary disturbances beginning to appear over our Southeast coasts and the Bay of Biscay.

### 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).

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TERMS:—For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.  
„ Weekly „ „ „ £1 10 0 „



# DAILY WEATHER REPORT.

for *Friday, 28<sup>th</sup> August, 1891.*  
 Issued by the Meteorological Office, 63, Victoria Street, London. *R. H. SCOTT, Secretary.*

R. H. SCOTT, Secretary.																		
STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.	
		BAROM :	TEMP.	WIND.			BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.		Amount of Rainfall.
				Reading at 32° F. and Sea Level.	Dry.		Dir.	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.	Dir.	
SCANDINAVIA.																		
Haparanda ...	29.22	58	SW	2	bc	29.47	+ 33	57	54	+ 1	N	2	b	*	59	52	0.04	
Hernösand ...	29.38	63	S	2	b	29.43	+ 23	57	56	+ 1	SE	4	+	*	77	54	0.04	
Stockholm ...	29.66	62	SW	2	*	29.56	+ 01	68	62	+ 8	SSW	4	bc	*	68	55	-	
Wisby ...	29.76	63	SW	6	*	29.67	- 08	69	63	+ 10	S	4	b	*	70	57	-	
Bodö ...	29.26	50	SW	4	d	29.32	+ 41	56	53	+ 3	E	2	b	1	48	48	0.28	
Christiansund	29.41	56	SW	2	c	29.05	- 08	64	52	- 2	ESE	3	r	2	59	54	0.20	
Skudesnaes ...	29.50	60	E	3	r	29.33	- 17	60	58	0	SSW	6	0	4	61	?	0.55	
Christiania Fjord (Færder)	29.48	61	Z	0	bc	29.42	- 12	61	58	+ 3	WSW	5	0	3	64	57	0.20	
Skagen (The Scaw)	29.45	66	SSE	6	bc	29.52	- 10	61	59	0	SW	6	0	*	70	61	-	
Fanö ...	29.27	54	S	1	bc	29.16	- 10	52	52	- 1	Z	0	e	2	57	46	-	
Sumburgh Head	29.23	56	SW	3	bc	29.24	+ 03	53	52	- 3	Z	0	0	2	61	45	-	
Stornoway ...	29.27	56	SW	2	bc	29.25	- 05	53	51	- 1	WSW	3	0	2	65	45	-	
Wick ...	29.21	57	Z	0	c	29.25	- 03	54	51	- 2	SW	1	b	1	66	44	0.02	
Nairn ...	29.24	55	SSE	2	0	29.30	- 03	56	51	- 2	WSW	2	0	1	62	50	-	
Aberdeen ...	29.24	59	S	2	0	29.35	+ 01	56	52	- 3	SW	3	bc	*	62	47	0.32	
Leith ...	29.24	56	SE	1	r	29.41	+ 03	54	51	0	WSW	3	c	2	61	49	0.29	
Shields ...	29.30	60	S	4	0	29.54	+ 11	55	53	- 5	SW	6	cq	4	62	53	0.15	
Spurn Head ...	29.28	58	SW	1	r	29.52	+ 10	53	52	- 3	SW	1	0	*	63	48	0.49	
York ...	29.30	56	SSE	2	0	29.58	+ 18	55	52	- 4	WSW	4	bc	*	63	51	0.34	
Loughborough	29.31	56	WSW	1	0	29.39	+ 07	54	51	- 2	WSW	4	c	3	59	49	0.04	
Ardrossan ...	29.26	57	WSW	3	b	29.40	+ 09	53	48	0	WSW	4	0	3	59	51	-	
Malin Head ...	29.30	57	WSW	2	bcv	29.46	+ 14	53	50	+ 1	WSW	3	cp	2	59	49	0.18	
Mullaghmore ...	29.30	58	W	2	b	29.49	+ 18	54	48	- 2	WSW	2	e	*	59	49	0.06	
Belmullet ...	29.27	56	NE	2	bc	29.45	+ 10	53	52	0	W	3	b	2	58	52	0.12	
Donaghadee ...	29.24	62	WSW	2	c	29.54	+ 17	56	51	+ 2	SW	3	b	3	62	52	0.10	
Liverpool (Bidston)	29.26	56	WSW	4	pqg	29.52	+ 18	57	53	0	WSW	4	b	4	61	52	0.06	
Holyhead ...	29.32	59	Z	0	bc	29.52	+ 19	52	51	- 2	SW	1	c	*	61	45	0.08	
Parsonstown ...	29.39	58	W	4	cv	29.62	+ 27	57	52	+ 3	WSW	2	bv	3	62	50	0.12	
Valencia ...	29.35	55	W	4	r	29.58	+ 26	55	52	0	W	4	b	3	59	49	0.10	
Roche's Point...	29.34	56	SW	4	c	29.60	+ 26	57	56	- 1	WSW	5	bc	5	59	54	0.17	
Pembroke (St. Ann's Hd.)	29.42	59	SW	4	r	29.67	+ 31	59	56	+ 1	SW	4	cp	4	61	53	0.42	
Scilly ...	29.41	54	W	3	0	29.72	+ 28	55	54	- 2	SW	5	b	4	56	51	0.66	
Prawle Point ...	29.50	62	SSW	5	e	29.81	+ 30	62	57	+ 1	SW	6	b	5	63	57	0.48	
Jersey (St. Aubin's)	29.39	60	SW	8	cqp	29.73	+ 24	57	56	- 3	WSW	8	cqp	4	62	55	0.52	
Hurst Castle ...	29.47	60	SW	4	r	29.73	+ 18	60	57	- 3	WSW	6	r	5	70	52	0.52	
Dungeness ...	29.41	58	SW	4	0	29.72	+ 20	59	55	- 2	WSW	2	bc	*	62	51	0.66	
London ...	29.36	56	S	3	0	29.68	+ 21	56	54	- 3	SW	3	b	*	60	50	0.81	
Oxford ...	29.36	59	S	2	0	29.68	+ 19	58	54	- 4	SW	3	b	*	62	51	0.42	
Cambridge ...	29.37	60	SW	3	c	29.65	+ 12	58	54	- 5	WSW	5	b	4	65	51	0.42	
Yarmouth ...	29.62	68	S	3	b	29.65	- 09	62	61	- 4	SW	5	bc	*	79	61	-	
Cuxhaven ...	29.82	72	S	3	b	29.81	- 12	68	62	+ 1	SW	4	b	*	84	59	-	
Berlin ...	*	*	*	*	*	29.98	+ 02	62	57	+ 1	SW	3	0	*	82	55	-	
Wiesbaden ...	29.93	66	Z	0	b	30.04	- 04	64	57	+ 4	W	4	b	*	77	54	-	
Munich ...	29.51	65	SW	2	c	29.66	- 01	60	57	- 5	SW	5	c	4	75	59	0.24	
The Helder ...	29.86	*	*	*	*	29.86	+ 16	59	54	- 8	SW	6	c	*	80	55	0.20	
Brussels (9 a.m.)	29.50	60	SW	6	m	29.75	+ 16	57	55	- 8	SW	7	r	7	68	55	0.28	
Cape Gris Nez	29.68	69	WSW	5	0	29.95	+ 20	60	57	- 2	SW	3	b	*	85	57	-	
Paris ...	?	59	SW	5	c	?	?	58	57	- 1	SW	4	bc	5	63	55	0.35	
Brest ...	29.61	62	WSW	7	b	29.85	+ 33	61	57	- 1	WSW	5	b	5	64	59	0.39	
Lorient ...	?	63	SW	6	r	?	?	64	59	- 6	WSW	4	bc	*	77	57	0.24	
Rochefort ...	30.04	64	W	3	bc	30.08	+ 09	59	?	+ 2	W	3	0	*	84	49	-	
Belfort ...	29.86	73	SW	4	b	30.12	+ 16	56	56	- 11	E	1	r	*	79	54	0.47	
Lyons ...	30.11	67	?	1	b	30.06	- 09	66	57	+ 2	Z	0	b	0	75	59	-	
Nice ...	29.90	64	WSW	5	0	30.04	+ 24	63	59	- 13	S	3	bc	3	86	57	0.16	
Perpignan ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
Biarritz ...	30.06	64	WSW	3	b	30.13	+ 14	59	59	- 8	WSW	2	b	5	72	57	0.12	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
Lisbon ...	30.06	64	WSW	3	b	30.13	+ 14	59	59	- 8	WSW	2	b	5	72	57	0.12	

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

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



for 8 a.m. on Friday, 28<sup>th</sup> August, 1891.

### EXPLANATION OF MAP

Changes since previous morning are stated in words.

their barbs and feathers refer to force thus—

$\rightarrow = \text{forces above } 10 ; \rightarrow = \text{forces } 8 \text{ to } 10 ;$

$\rightarrow$  = forces 5 to 7;  $\longrightarrow$  = forces 1 to 4.

 $\sigma = \text{deviation}$ 

SEA DISTURBANCE—Where considerable, is shewn thus:

 = Rough,  = High.

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

[illegible]

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

WEATHER is shown by Letters of the Beaufort Scale.

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

(For the month of August.)

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



# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 30.1 ins. and more to 29.9 ins. over the southern and central parts of France; 29.6 ins. to 29.8 ins. over the Baltic.

Lowest 29.1 ins. and less in a depression off the west of Norway.

Gradients moderate. Barometer rising over the British Islands generally, most in the west.

## TEMPERATURE

Highest 69° at Wisby, 68° at Stockholm and Berlin, 67° at Munich and Rochefort.

Lowest 52° at Lumburg H<sup>o</sup> and Parsonstown, 54° at Christiansund, Nain, Behnullet and Shields.

It was below 60° all over the United Kingdom and was 60° at Paris.

## WIND

Strong from the S.W. over the eastern parts of the Channel and England, and fresh over the North Sea; moderate W. in Ireland, light W. and S.W. in Scotland, E. over the northern half of Scandinavia. A strong gale seems to have been felt over the eastern parts of the Channel during yesterday afternoon and evening.

## WEATHER

Fair generally at our western and northern stations and in France; cloudy, and in places squally, over England. The rainfall yesterday was heavy over many of our Midland and southern districts (0.8 ins. at Oxford, 0.6 ins. in London, 0.5 ins. on our south coasts and at York, and 0.4 ins. at Cambridge and Falmouth).

## SEA

Rather rough on our southwestern and southern coasts generally, high at Cape Gris Nez; in the north and northeast it was smooth.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Although far from being settled, the present tendency of the weather is to improve.

# FORECASTS

For the 24 hours ending at NOON on 29<sup>TH</sup> AUGUST 1891.

## DISTRICTS.

## FORECASTS.

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

W. breezes, moderate, with showers.

Same as No. 5.

Same as Nos. 0 to 2.

S.W. and W. winds, strong; squally, showery, bright intervals.

## DISTRICTS.

## FORECASTS.

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

Same as Nos. 0 to 2.

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

## WARNINGS

None issued.

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

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER:		WIND		WEA.	SEA		BAR.	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.47	59	57	SSE	4	0	5		Holyhead ...	29.26	59	58	S	1	2
Sunburgh Head ...	29.21	56	54	SSW	1	6	4		Valencia ...	29.37	62	56	WNW	3	3
Stornoway ...	29.23	59	58	SW	4	6	4		Scilly ...	29.36	58	56	W	3	5
Aberdeen ...	29.30	57	53	SSE	3	0	3		Jersey ...	29.51	60	59	S	5	4
Shields ...	29.31	58	57	SE	2	7	2		Dungeness ...	29.44	68	64	SSW	4	3
Ardrossan ...	29.32	56	53	NW	1	0	0		London ...	29.42	61	60	SSW	3	8
Mulin Head ...	29.30	57	53	W	2	0	1		Yarmouth ...	29.44	65	62	SW	5	4
Mullaghmore ...	29.31	59	54	WNW	2	6	2		Rochefort ...						
Belmullet ...	29.34	58	53	WNW	2	6	*								

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

Weather dull and rainy over the greater part of England and also over central Ireland and the northwest of France; dull also over northern and central Russia and rainy at Christiansund and Wisby. Fine in almost all other parts of Europe. Rain falling during day over nearly the whole of our Islands and France, the largest amounts being 0.8 in at Oxford and 0.7 in in London. Thunderstorm occurring at Scilly at night.

Temperature highest 78° at Palma, Algiers and La Calle, and 77° at Barcelona, Brindisi and Palermo, above 70° at most of the Mediterranean and Adriatic stations; above 65° over Belgium and North Germany. Lowest (1) 45° at Archangel; (2) 50° at Portonston, 52° at Mullaghmore and 53° at Bodo; Sunburgh Head, Malin Head and Donaghadee; below 55° at several of our own western and northern stations. Daily maxima below 65° over a considerable portion of the United Kingdom and below 60° at several of our western stations but thermometer reaching 66° at Nain, and 70° at Dungeness.

Wind S? over England, France and the Netherlands; fresh or strong in force at the Channel stations. Light or moderate from the SW? in Scotland, Denmark and Germany; strong from the same quarter over Scandinavia and also in the western parts of the Iberian Peninsula. Light and variable in Austria; NW? in Italy; N? in Algeria. Subsequently veering to the SW? or W? over England and Ireland and increasing to a gale over the eastern parts of the Channel.

Barometer highest 30.1 ins. to 30.2 ins. over Italy, Austria & the southern parts of Russia, as well as in another system lying off the south of Spain. Lowest 28.9 ins. and less in a depression lying to the north of Bodo; 29.3 ins. and less in a small shallow disturbance over the St Georges Channel. Latter system moving northeasterwards during day but barometer remaining very unsteady 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).

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# DAILY WEATHER REPORT.

for *Saturday, 29<sup>th</sup> August, 1891.*  
*Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.*

R. H. SCOTT, Secretary.																	
STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.	
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Max.	Min.		
SCANDINAVIA.																	
Haparanda ...	29.26	59	SW	6	0	29.16	- 31	56	52.	- 1	N	4	bc	*	50	0.20	
Hernösand ...	29.23	60	SE	6	0	29.55	+ 12	59	53	+ 2	SW	2	bc	*	72	46	0.08
Stockholm ...	29.60	61	SW	6	6	29.78	+ 22	59	53	- 9	SW	6	bc	*	73	57	-
Wisby ...	29.71	63	SSW	6	bc	29.88	+ 21	58	55	- 11	SW	6	b	*	72	?	-
Bodö ...	28.83	50	SSW	4	7	29.23	- 09	48	47	- 8	SW	4	0	2	54	46	0.47
Christiansund	29.26	?	WSW	4	7	29.51	+ 46	50	49	- 4	WSW	4	7	2	57	50	1.10
Skudesnaes ...	29.37	55	SW	2	0	29.67	?	57	54	?	SSW	5	0	5	62	57	0.20
Christiania Fjord (Færder)	29.49	58	SSW	7	0	29.71	+ 38	58	55	- 2	SSW	5	0	4	61	55	-
Skagen (The Seaw)	29.67	56	N	6	bc	29.77	+ 35	56	54	- 5	SW	3	0	2	64	54	0.04
Fanö ...	29.82	59	WSW	5	6	29.82	+ 30	56	55	- 5	SSW	5	0	*	63	55	0.04
BRITISH ISLANDS.																	
Sumburgh Head	29.35	51	WSW	1	0	29.65	+ 49	50	46	- 2	N	1	bc	2	58	46	0.01
Stornoway ...	29.50	54	NW	3	0	29.79	+ 55	54	52	+ 1	Z	0	0	3	55	44	0.10
Wick ...	29.47	52	NW	2	bc	29.75	+ 50	49	48	- 4	WNW	4	0	2	58	44	0.03
Nairn ...	29.44	54	WSW	3	7	29.76	+ 51	50	49	- 4	Z	0	0	1	60	44	0.20
Aberdeen ...	29.49	57	WSW	1	0	29.77	+ 47	54	49	- 2	WNW	3	bc	2	62	46	0.03
Leith ...	29.56	57	N	3	6	29.77	+ 42	54	50	- 2	SW	2	bm	*	62	43	-
Shields ...	29.61	57	WSW	3	0	29.78	+ 37	50	49	- 4	NW	1	0	2	62	46	0.07
Spurn Head ...	29.69	58	SSW	4	bc	29.78	+ 24	53	51	- 2	SW	4	0	3	65	50	0.02
York ...	29.67	58	WSW	1	6	29.83	+ 31	51	49	- 2	S	1	bc	*	64	43	0.05
Loughborough	29.71	58	N	2	0	29.85	+ 27	54	52	- 1	N	3	bcw	*	66	49	0.20
Ardrossan ...	29.61	57	N	4	6	29.81	+ 42	55	51	+ 1	Z	0	bm	0	61	44	-
Malin Head ...	29.60	56	N	2	6	29.83	+ 43	50	48	- 3	NW	1	bcw	1	58	48	0.11
Mullaghmore ...	29.64	55	WSW	2	0	29.86	+ 40	52	49	- 1	SW	2	bcw	2	58	45	0.80
Belmullet ...	29.65	54	WSW	3	bcw	29.89	+ 40	54	50	0	WNW	1	0	*	57	44	0.37
Donaghadee ...	29.64	55	E	3	0	29.83	+ 38	53	51	0	NW	3	0	1	63	51	0.04
Liverpool (Bidston)	29.71	56	WSW	2	bc	29.86	+ 32	50	48	- 6	SW	2	0	3	63	49	0.15
Holyhead ...	29.70	55	WSW	2	bc	29.84	+ 32	56	53	- 1	WNW	2	bc	2	60	50	0.03
Parsonstown ...	29.69	52	Z	0	7	29.91	+ 39	51	49	- 1	Z	0	0	*	61	42	0.20
Valencia ...	29.74	58	WSW	3	bcw	30.00	+ 38	57	53	0	NW	2	bc	3	61	50	0.05
Roche's Point...	29.75	57	WSW	4	bc	29.95	+ 37	54	51	- 1	WNW	4	0	3	61	48	-
Pembroke (St. Ann's Hd.)	29.77	58	WSW	5	bc	29.90	+ 30	55	52	- 2	N	4	bc	4	59	52	0.08
Scilly ...	29.87	59	WSW	4	bc	29.99	+ 32	56	54	- 3	WNW	4	0	4	63	53	0.24
Prawle Point...	29.84	57	WSW	4	bc	30.00	+ 28	58	56	+ 3	WSW	4	0	3	60	54	0.01
Jersey (St. Aubin's)	29.92	61	N	4	6	30.06	+ 25	60	57	- 2	SW	4	bc	4	68	56	1.04
Hurst Castle ...	29.85	60	SW	6	bc	29.99	+ 26	59	56	+ 2	N	6	bc	3	62	56	0.02
Dungeness ...	29.86	61	WSW	6	bc	29.95	+ 22	62	58	+ 2	N	7	bcw	5	65	57	0.27
London ...	29.83	61	SSW	3	bc	29.95	+ 23	58	54	- 1	N	3	bcw	*	65	52	0.01
Oxford ...	29.85	54	N	4	bc	29.94	+ 26	55	53	- 1	SW	2	0	*	64	50	0.09
Cambridge ...	29.79	54	SW	1	0	29.92	+ 24	56	54	- 2	SW	2	0	*	68	46	0.05
Yarmouth ...	29.76	63	WSW	4	6	29.89	+ 24	57	54	- 1	WSW	4	bc	3	64	50	0.02
GERMANY & HOLLAND.																	
Cuxhaven ...	29.87	58	WSW	4	0	29.94	+ 29	58	57	- 4	SW	3	0	*	65	55	-
Berlin ...	30.04	64	N	2	6	30.08	+ 27	60	57	- 8	S	3	bc	*	77	54	-
Wiesbaden ...	*	*	*	*	*	30.14	+ 16	58	56	- 4	Z	0	bc	*	70	52	-
Munich ...	30.17	63	SW	2	0	30.23	+ 19	58	56	- 6	SW	1	0	*	70	55	0.24
The Helder ...	29.89	59	SW	3	6	29.95	+ 29	57	55	- 3	SW	2	0	0	64	57	0.16
FRANCE AND BELGIUM.																	
Brussels (9 a.m.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cape Gris Nez	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Paris ...	29.99	68	SW	2	6	30.15	+ 20	54	53	- 6	WSW	2	0	*	73	50	0.12
Brest ...	29.97	62	WSW	4	6	?	?	59	59	+ 1	WSW	3	0	4	64	55	0.04
Lorient ...	30.00	62	WSW	4	bc	30.11	+ 26	60	57	- 1	WSW	3	bc	5	66	57	0.16
Rochefort ...	?	66	WSW	4	0	?	?	61	60	- 3	SSE	3	bc	*	70	59	-
Belfort ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lyons ...	30.12	62	SSE	1	6	30.21	+ 09	55	54	- 1	N	1	0	*	66	50	0.12
Nice ...	30.04	69	SW	4	6	30.03	- 03	67	58	+ 1	E	1	0	1	81	61	-
Perpignan ...	30.10	66	Z	0	0	30.15	?	66	62	?	Z	0	bc	*	82	55	-
Biarritz ...	30.10	69	NE	4	bc	30.13	+ 09	62	58	- 1	SSE	3	0	2	77	59	-
PENINSULA.																	
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lisbon ...	30.08	66	WNW	5	0	30.07	- 06	63	57	+ 4	NNE	4	0	5	73	59	-

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, 29<sup>th</sup> August, 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

☉ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

☼ = Rough. ☼ = High.

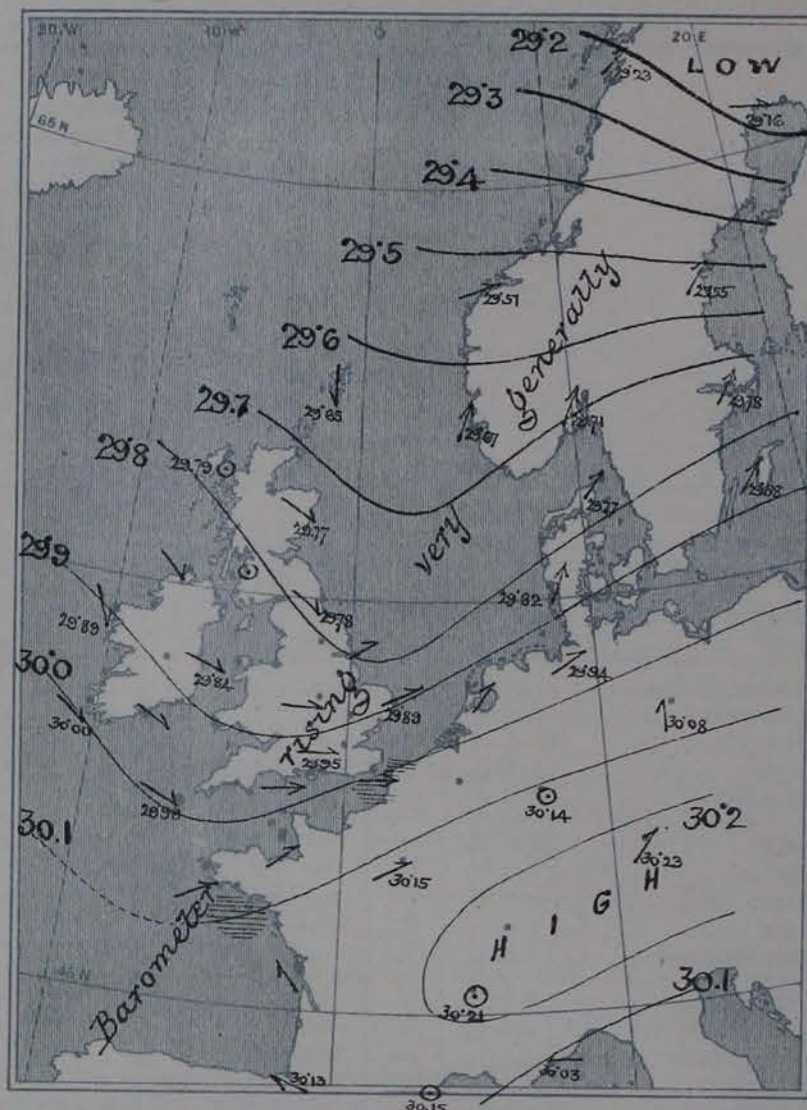
### MEAN HEIGHT OF THE BAROMETER

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

#### STATIONS.

#### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sunburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.923
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Scilly	29.962
Prawle Point	29.975
Jersey	29.981
Hurst Castle	29.965
Dover	29.949
LONDON	29.954
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

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

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sunburgh Head.....	57.7	48.4	53.4	51.7	3.16
Stornoway .....	59.8	48.8	54.9	53.2	3.07
Wick.....	61.1	48.3	55.2	53.2	2.57
Nairn.....	63.4	50.3	55.5	52.7	2.75
Aberdeen.....	63.1	50.1	56.5	53.4	3.03
Leith.....	65.7	51.3	57.5	54.4	2.56
Shields.....	63.6	51.9	57.2	54.5	2.85
Spurn Head.....	64.3	55.0	58.8	56.6	1.86
York.....	67.9	51.3	57.7	55.0	2.54
Loughborough .....	70.4	51.8	59.3	56.0	2.53
Ardrossan.....	63.6	52.8	57.2	54.8	3.78
Mullaghmore.....	63.3	53.8	57.3	54.5	3.65
Donaghadee.....	62.2	52.2	56.9	55.3	3.04
Holyhead.....	64.1	54.8	58.4	56.2	2.77
Liverpool.....	65.8	54.1	58.5	55.2	2.83
Parsonstown.....	60.0	51.4	57.3	55.2	3.38
Valencia.....	64.7	54.1	59.3	56.9	4.70
Roche's Point.....	66.1	53.8	58.9	56.3	3.62
Pembroke.....	63.2	55.6	58.6	56.5	2.77
Scilly.....	64.9	57.0	60.9	58.8	2.30
Prawle Point.....	65.3	54.4	60.1	57.9	2.14
Jersey.....	68.8	57.1	62.8	59.6	2.24
Hurst Castle.....	68.1	55.9	61.0	58.9	2.28
Dover.....	67.2	56.7	62.0	58.6	2.04
LONDON.....	71.8	53.5	60.9	57.3	2.21
Oxford.....	69.2	53.0	58.8	56.0	2.24
Cambridge.....	71.3	54.8	60.0	57.1	2.19
Yarmouth.....	65.3	54.8	60.5	57.6	2.15

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 30.0 ins. over Germany, France, Spain and the Bay of Biscay.  
Lowest 29.2 ins. and less over Lapland, and below 29.7 ins. in the Shetland Islands.  
Gradients slight in most places, but irregular.  
Barometer rising generally and decidedly.

## TEMPERATURE

Highest 67° at Nice, 63° at Lisbon, 62° at Biarritz, 60° at Berlin.  
Lowest 48° at Bodo, 50° at Christiansund, Lumburg Head, Naism, Malin Head, Liverpool and Shields.  
The daily maxima recorded over England yesterday varied from 60° to 68°; that in London was 65°.

## WIND

NW<sup>2</sup> and light over Scotland and Ireland; W<sup>3</sup> over England - moderate to light in most places, but strong over our southeastern counties, and very strong and squally over the Straits of Dover. In France it was very light and variable.

## WEATHER

Fine in most places but passing showers were reported in several parts of England. The rainfall for the past 24 hours has been slight in most places but very large at Mullaghmore and Jersey, where the showers were heavy. Thunder and lightning have occurred over our Midland and SW<sup>m</sup> counties.

## SEA

Still rather rough in the English Channel, slight or smooth further north.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Local showers are probable today, finer weather tomorrow, after a very cold night.

## FORECASTS

For the 24 hours ending at NOON on 30<sup>TH</sup> AUGUST 1891.

### DISTRICTS.

### FORECASTS.

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

NW<sup>2</sup> breezes, some showers, but fair as a whole, cold at night.

W<sup>2</sup> breezes fresh, to NW<sup>2</sup> light, perhaps a shower or two today, finer later, cold tonight.

### DISTRICTS.

### FORECASTS.

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

Same as Nos 0 to 2.

NW<sup>2</sup> breezes, light; fine generally, cold tonight.

### WARNINGS

None Issued.

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



# YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.40	62	57	W	6	C	6		Holyhead ...	29.64	59	55	W	2	bc p
Sumburgh Head ...	29.27	56	54	SW	2	C	2		Valencia ...	29.72	60	55	WSW	4	C
Stornoway ...	29.41	53	52	WSW	3	T	3		Scilly ...	29.79	61	59	WSW	4	bc
Aberdeen ...	29.42	61	52	WSW	5	bc	2		Jersey ...	29.90	61	60	WSW	4	bc p
Shields ...	29.54	61	56	SW	3	cp	2		Dungeness ...	29.82	64	59	WSW	7	bc q
Ardrossan ...	29.52	59	57	W	5	b	3		London ...	29.79	64	59	SSW	4	C
Malin Head ...	29.55	56	50	WNW	4	C	3		Yarmouth ...	29.76	63	57	WSW	4	b
Mullaghmore ...	29.60	57	51	WSW	4	bcv	2		Rouefort ...	?	69	62	WSW	4	C
Belmullet ...	29.62	54	51	WSW	2	cp	*								

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

*Weather* fair over the greater part of our Islands, but showery at some of our extreme northwestern and southeastern stations; fine and bright over nearly the whole of central, southern and eastern Europe and also in Russia and Algeria. Dull in Denmark and the south of Norway; rainy at Helsingør and Christiansund. Showers falling during day in many parts of western Europe and heavy rain at Mullaghmore and Jersey; thunder and lightning occurring at some of the English stations.

*Temperature* highest 78° at La Calle, 77° at Barcelona, and 76° at Algiers and Malta, above 70° at most of the Adriatic and Mediterranean stations and above 65° in North Germany and the Baltic. Lowest 52° at Sumburgh Head and Parsonstown, 53° at Stornoway, Wick, York, Malin Head, Mullaghmore and Donaghadee and 54° at several of our other northern stations, as well as at Christiansund. Daily maxima below 60° in the extreme north and northwest of our Islands, but thermometer rising to between 65° and 68° over England and exceeding 70° in France and Germany.

*Wind* light or moderate from the W<sup>ind</sup> in Ireland and the west and north of Scotland, SW<sup>ind</sup> over England, France, the Netherlands, western Germany and the south of Scandinavia; strong in force in many places with a gale at Harst Castle. Light from the S<sup>ind</sup> over Poland and the Baltic provinces; E<sup>ind</sup> over the northern parts of Scandinavia. Variable over southern Europe, Algeria and the Mediterranean. Subsequently veering to the W<sup>ind</sup> in many parts of England.

*Barometer* highest 30.1 ins. and upwards in three areas situated respectively over the southwestern parts of the Spanish Peninsula, over Switzerland and the neighbouring parts of France and Italy, and over eastern Austria; 30.0 ins. and upwards over the whole of southern and eastern Europe. Lowest 29.1 ins. and less in a depression lying off the west of Norway. Anticyclone over Spain subsequently moving N<sup>orth</sup> and barometer rising in all parts of the United Kingdom.

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.  
\* 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 30<sup>th</sup> August. 1891.  
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
		Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.47	53	SW	4	C	29.61	+1.45	53	49	-1	NW	2	6	*	63	52	—	
	Hernösand ...	29.67	54	N	2	C	29.75	+1.20	52	49	-7	2	0	0	*	73	50	—	
	Stockholm ...	29.79	55	SW	4	G	29.82	+1.04	57	53	-2	SW	2	6c	*	68	54	—	
	Wisby ...	29.83	56	SW	4	G	29.85	+1.03	59	56	+1	WSW	6	C	*	66	54	—	
	Bodö ...	29.47	47	WSW	4	0	29.64	+1.41	44	43	-4	W	5	7	*	52	41	0.35	
	Christiania ...	29.61	51	WSW	4	C	29.84	+1.33	48	45	-2	SW	3	C	2	54	46	0.39	
	Skudesnaes ...	29.74	54	NNW	2	T	29.92	+1.25	51	49	-6	N	3	C	3	?	48	0.24	
	Christiania Fjord (Færdar)	29.69	58	WSW	5	G	29.76	+1.05	52	51	-4	WNW	3	6	2	59	52	—	
	Skagen (The Scaw)	29.79	54	W	1	G	29.80	+1.03	56	53	0	WNW	4	6c	3	61	50	0.32	
	Fanø ...	29.88	54	W	4	G	29.97	+1.15	59	55	+3	WNW	4	6c	*	63	52	0.12	
BRITISH ISLANDS.	Sumburgh Head	29.80	47	NNW	3	C	29.90	+1.25	48	45	-2	2	0	C	3	53	47	0.02	
	Stornoway ...	29.91	51	NW	2	G	29.88	+1.06	50	49	-4	2	4	C	4	54	35	0.01	
	Wick ...	29.91	50	NW	2	6c	29.96	+1.21	49	46	0	2	2	G	1	57	35	—	
	Nairn ...	29.91	52	2	0	6c	29.93	+1.17	47	45	-3	2	0	G	0	57	33	0.06	
	Aberdeen ...	29.92	51	NNW	2	C	29.98	+1.21	51	49	-3	SE	2	CW	3	58	38	—	
	Leith ...	29.89	55	WNW	2	6c	29.93	+1.22	53	49	+1	2	0	6m	*	65	43	0.02	
	Shields ...	29.88	54	N	2	C	29.93	+1.25	51	49	+1	W	1	C	1	61	45	0.05	
	Spurn Head ...	29.91	58	WNW	3	6c	29.95	+1.27	52	50	-1	WNW	1	6cm	2	59	49	0.04	
	York ...	29.94	54	W	1	C	29.96	+1.23	51	49	0	2	1	G	*	63	43	0.05	
	Loughborough	29.94	58	WNW	1	6c	29.96	+1.21	46	45	-8	2	0	mcw	*	62	39	0.12	
GERMANY & HOLLAND.	Ardrossan ...	29.93	57	NNW	3	G	29.97	+1.16	56	53	+1	SE	3	C	2	61	43	—	
	Malin Head ...	29.95	54	NW	2	Cp	29.98	+1.05	51	49	+1	2	4	C	2	57	48	—	
	Mullaghmore ...	29.97	56	NNW	4	C	29.92	+1.06	52	50	0	2	4	C	2	59	48	—	
	Belmullet ...	29.91	56	W	2	C	29.87	+1.02	54	52	0	SW	2	0	*	57	53	0.05	
	Donaghadee ...	29.96	56	NNE	2	C	29.90	+1.17	53	52	0	SW	3	C	1	60	52	0.03	
	Liverpool (Bidston)	29.98	56	W	3	G	29.95	+1.19	55	51	+5	SE	1	G	2	58	47	0.01	
	Holyhead ...	29.97	55	WSW	2	G	29.92	+1.18	58	53	+2	SW	2	6cm	2	61	49	—	
	Parsonstown ...	29.91	58	2	0	C	29.98	+1.07	50	48	-1	2	0	C	*	62	42	0.07	
	Valencia ...	29.97	59	NNW	1	Cv	29.98	+1.02	56	53	-1	SW	4	C	4	62	47	0.07	
	Roche's Point...	29.94	60	NNW	2	6c	29.93	+1.08	53	51	-1	SE	1	6c	2	65	46	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.94	56	W	4	G	29.96	+1.16	57	55	+2	SW	3	6c	2	58	54	—	
	Scilly ...	29.91	58	NW	3	6c	29.97	+1.08	57	55	+1	SE	3	6c	3	61	52	—	
	Prawle Point ...	29.97	56	NNW	3	G	29.91	+1.11	55	52	-3	ENE	1	6c	0	60	47	—	
	Jersey (St. Aubin's)	29.90	60	NNW	3	6c	29.91	+1.05	57	54	-3	NNW	2	0m	2	64	47	—	
	Hurst Castle ...	29.96	62	W	4	C	29.91	+1.12	58	57	-1	NNE	2	C	1	63	48	0.03	
	Dungeness ...	29.98	61	W	5	6c	29.99	+1.14	51	49	-11	NNW	3	C	2	65	44	0.06	
	London ...	29.90	59	WSW	2	C	29.91	+1.16	49	47	-7	W	1	0w	*	66	43	—	
	Oxford ...	29.95	59	WSW	2	G	29.91	+1.17	48	47	-7	2	0	6m	*	63	43	0.04	
	Cambridge ...	29.97	59	WSW	1	G	29.90	+1.18	51	51	-5	2	0	0	*	65	40	0.04	
	Yarmouth ...	29.94	58	W	3	C	29.97	+1.18	53	51	-4	W	2	6m	2	63	45	0.02	
PENINSULA.	Cuxhaven ...	29.96	59	W	3	C	29.92	+1.08	58	57	0	W	3	C	*	65	57	0.04	
	Berlin ...	29.93	67	2	0	G	29.90	+1.02	59	55	-1	NNW	3	G	*	75	54	—	
	Wiesbaden ...	29.95	60	2	0	G	29.95	+1.01	59	54	-1	W	1	G	*	72	48	—	
	Munich ...	29.95	60	E	2	6c	29.97	+1.06	59	57	+1	NNE	2	0	*	72	54	—	
	The Helder ...	29.90	59	WSW	2	G	29.90	+1.15	58	53	+1	NNW	1	G	1	64	57	0.20	
	Brussels (8 a.m.)	29.92	59	WSW	6	C	29.93	+1.13	57	55	-1	SW	1	C	*	67	46	0.04	
	Cape Gris Nez	29.90	65	W	2	C	29.93	+1.13	59	56	+5	NE	1	C	*	73	54	—	
	Paris ...	29.90	60	NW	2	C	29.90	+1.02	59	55	-4	NE	1	0	1	70	54	—	
	Brest ...	29.91	63	W	1	6c	29.90	+1.01	56	53	-4	ENE	3	0	4	66	53	—	
	Lorient ...	29.91	63	W	1	6c	29.90	+1.01	56	53	-4	ENE	3	0	4	66	53	—	
FRANCE AND BELGIUM.	Rochefort ...	29.98	67	NW	3	C	29.94	+1.17	59	56	-2	E	3	6c	2	77	54	—	
	Belfort ...	29.98	67	W	3	6c	29.94	+1.17	59	56	-2	W	3	6c	2	77	54	—	
	Lyons ...	29.92	66	N	1	0	29.92	+1.09	57	54	+2	NNW	1	C	*	75	53	—	
	Nice ...	29.92	67	NNW	1	0	29.93	+1.09	64	63	-3	2	0	C	0	79	57	—	
	Perpignan ...	29.97	68	2	0	G	29.95	+1.10	62	61	-4	SW	1	C	*	77	55	0.04	
	Biarritz ...	29.92	69	E	4	C	29.90	+1.13	65	64	+3	SW	3	0	2	72	61	0.04	

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, 30<sup>th</sup> August, 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 show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

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

→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

## MEAN HEIGHT OF THE BAROMETER

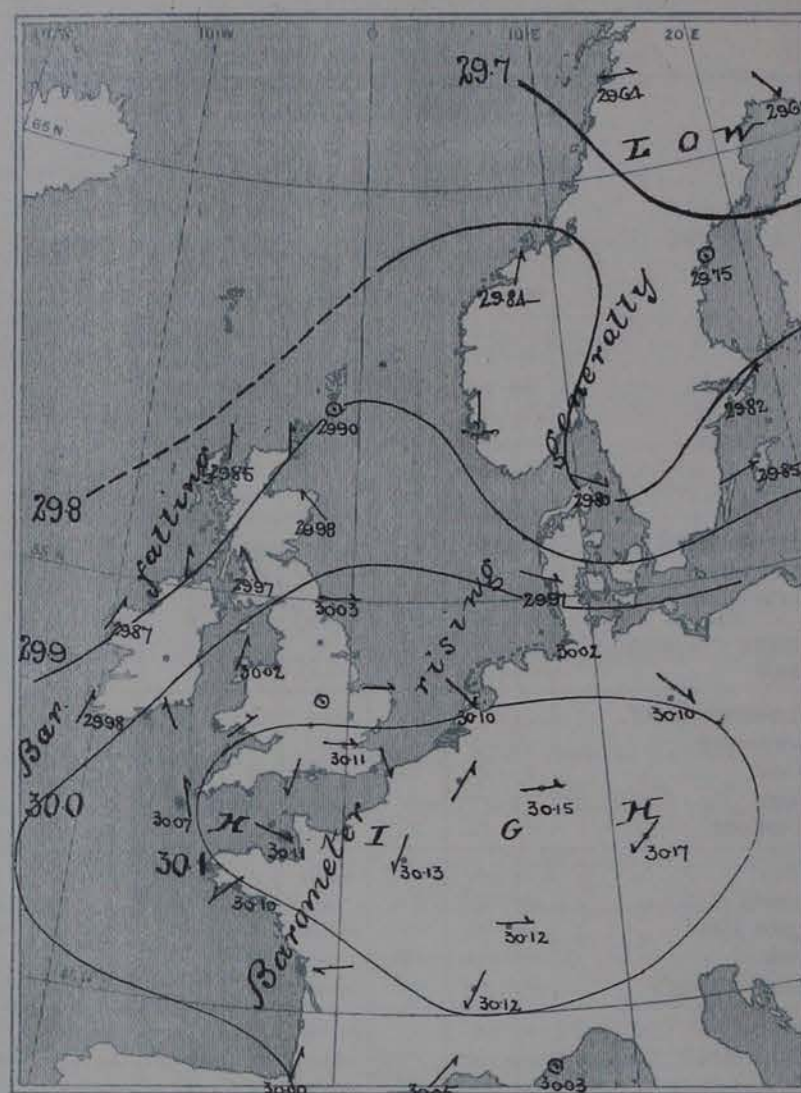
at 8.0 a.m. for the month of August

During the 20 Years: 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.840
Shields	29.871
Spurn Head	29.905
York	29.906
Loughborough	29.923
Ardrossan	29.857
Mullaghmore	29.868
Donaghadee	29.879
Holyhead	29.907
Liverpool	29.906
Parsonstown	29.920
Valencia	29.927
Roche's Point	29.927
Pembroke	29.928
Scilly	29.962
Prawle Point	29.975
Jersey	29.981
Hurst Castle	29.965
Dover	29.949
LONDON	29.931
Oxford	29.948
Cambridge	29.937
Yarmouth	29.923





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest 30.0 ins. and more in a large anticyclone covering France, Spain, England, & the east of Scotland.  
Lowest 29.9 ins. and less over the northwestern parts of Ireland and Scotland, and apparently still lower over the adjacent parts of the Atlantic.

## TEMPERATURE

Gradients are very slight except in the extreme northwest where they were moderate, & apparently increasing. Barometer falling in the west and southwest, rising in the northeast and east.  
Highest 65° at Biarritz, 64° at Nice, 62° at Perpignan and Lisbon, 59° at Rochefort, Paris & Tanc, 58° at Hurst Castle.  
Lowest 44° at Bodo, 46° at Loughborough, 47° at Nairn, 48° at Exford, 50° at Stornoway.  
It has been very cold over the inland parts of our islands and the northeast of Scotland during the night, the minimum in the shade having been 35° at Wick and Nairn, 39° at Loughborough, 40° at Cambridge, 42° at Parsonstown, 43° at Exford and in London. Over the N.W. stations frost must have been prevalent on the grass.

## WIND

S<sup>7</sup> over the western and northern parts of Ireland and Scotland, and of moderate force; very light and variable over England, W<sup>7</sup> over the North Sea and Baltic, E<sup>7</sup> in the west of France. It had backed very considerably over our western districts during the day.

## WEATHER

Fine over Great Britain generally, though temporarily cloudy over our southeastern counties; slight showers were still reported at Shields. The showers experienced in the west and north during the past 24 hours have been slight and in the S. there have been none worth mentioning.

## SEA

Moderate in the extreme west and north, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

## FORECASTS

For the 24 hours ending at NOON on 31<sup>ST</sup> AUGUST 1891.

### DISTRICTS.

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

### FORECASTS.

NONE ISSUED

### DISTRICTS.

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

### WARNINGS

### FORECASTS.

NONE ISSUED

NONE ISSUED

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



## YESTERDAY'S 2 P.M. REPORTS.

THER: WIND								THER: WIND							
BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA	
Skudesnaes ...	27.67	60	54	SW	4	0	5	Holyhead ...	27.55	55	55	WNW	2	6	2
Sumburgh Head	27.76	53	48	NW	3	7	3	Valencia ...	28.07	62	56	NW	2	6cr	2
Stornoway ...	27.88	52	47	NW	3	6	3	Scilly ...	28.06	60	56	WNW	4	6	4
Aberdeen ...	27.85	56	50	NW	3	6	3	Jersey ...	28.10	64	58	W	4	6	3
Shields ...	27.85	59	55	W	1	cf	2	Dungeness ...	27.97	64	56	W	6	6	5
Ardrassan ...	27.88	59	57	W	3	6	2	London ...	27.98	60	53	WNW	3	cf	*
Malin Head ...	27.91	56	51	NW	2	6cf	2	Yarmouth ...	27.92	62	55	WNW	4	6cf	3
Mullaghmore ...	27.96	58	53	NW	4	6cr	3	Rochefort ...	28.14	71	68	NNW	3	c	?
Belmullet ...	28.00	57	52	NNW	2	6	*								

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

Weather fine over the greater part of Europe, but showery at some of our own southern stations. Dull in Algeria and also in the west of Norway, with rain at Christiansund. Showers falling during day in several parts of the United Kingdom, with thunder at some of the English stations. Severe thunderstorms occurring at Constantinople, with excessively heavy rain (6.7 inches.).

Temperature highest  $84^{\circ}$  at Aumale,  $82^{\circ}$  at Ispaa,  $77^{\circ}$  at Brindisi, and  $76^{\circ}$  at Cagliari, La Calle and Malta; above  $70^{\circ}$  at most of the Adriatic and Mediterranean stations. Lowest  $48^{\circ}$  at Porto,  $49^{\circ}$  at Wick, and  $50^{\circ}$  at Christiansund, Sunnburgh Head, Naivn, Shields and Malin Head; below  $55^{\circ}$  in all the more northern parts of the United Kingdom. Daily maxima below  $60^{\circ}$  on our extreme north and northwest coasts and below  $65^{\circ}$  in most other parts of our Islands, but thermometer rising to between  $70^{\circ}$  and  $80^{\circ}$  in France and exceeding  $80^{\circ}$  in Italy, Algeria and central Spain. Highest European readings  $91^{\circ}$  at Madrid, and  $88^{\circ}$  at Florence and Palermo.

Wind light to moderate from the W<sup>w</sup> or NW<sup>w</sup> in the west and north of our Islands, SW<sup>w</sup> over Scandinavia, Denmark, Germany, the Netherlands, the east of England and the North of France; light or moderate in force generally but strong over the Gulf of Finland and the south of Scandinavia. Light from the E<sup>w</sup> in France and moderate from the NE<sup>w</sup> in Spain, and Algeria. Light from W. or NW. in Italy; variable in Austria and the south of Russia. Subsequently veering to the W<sup>w</sup> in the east of England; moderating from the SW<sup>w</sup> in the south of Scandinavia.

Barometer highest 30.10 ins. to 30.25 ins. and upwards in an anticyclone lying over France, Switzerland, the southern part of Germany and the north of Spain, also in another system lying over the southern half of Russia. Lowest 29.2 ins. and less in a depression lying over Lapland; shallow "v" shaped secondary disturbances passing across our Islands and the North Sea. Depression subsequently travelling away to the northward; secondary systems moving eastwards and barometer rising in all parts of the United Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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	21	10	0
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# DAILY WEATHER REPORT.

for MONDAY 31<sup>ST</sup> AUGUST.

1891.

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

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.			BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.			
Reading at 32° F. and Sea Level.	Dry.	Dirac.	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.	Dirac.	Force. (0 to 12.)	Weather.	Sea. (0 to 9.)	Max.	Min.	Amount of Rainfall.		
SCANDINAVIA.																		
Haparanda ...	29.75	43	N	2	6	29.86	+25	45	?	-9	2	0	6	*	59	43	?	
Hernösand ...	29.90	46	N	0	6	29.00	+25	46	43	-6	2	0	6	*	66	43	—	
Stockholm ...	29.91	52	N	0	6	29.96	+14	52	51	-5	2	0	6	*	63	46	0.04	
Wisby ...	29.85	55	W&N	2	6	29.84	+09	55	53	-2	W&N	4	6	*	63	52	—	
Bodö ...	29.83	43	N	2	C	29.87	+23	44	41	0	S	2	C	1	46	36	0.12	
Christiansund	29.84	45	N	1	6c	29.87	+03	45	46	0	E&N	1	6c	3	54	45	0.08	
Skudesnaes ...	29.55	53	N	0	0	29.84	-04	54	49	+3	SE	6	C	3	55	48	—	
Christiania Fjord (Færder)	29.87	59	S	3	6	29.87	+11	56	51	+2	SW	4	6	3	63	52	—	
Skagen (The Scaw)	29.84	53	NW	3	6	29.92	+12	53	50	-2	W&N	1	C	0	61	46	—	
Fanö ...	29.03	49	N	0	6	29.87	-08	53	51	-6	E	4	6	*	63	48	—	
BRITISH ISLANDS.																		
Sumburgh Head	29.84	50	SE	3	6c	29.87	+12	53	52	+5	SE	3	6c	4	54	47	0.04	
Stornoway ...	29.67	54	S	4	0	29.83	-16	52	57	+2	SW	3	6	4	56	49	0.10	
Wick ...	29.75	54	E&N	4	6c	29.47	-49	52	50	+3	S	6	6c	4	58	46	—	
Nairn ...	29.71	51	N	0	6c	29.87	+16	53	51	+6	S	0	6	1	61	45	—	
Aberdeen ...	29.85	53	SE	3	C	29.48	-35	51	50	0	SE	6	6c	5	53	51	0.10	
Leith ...	29.88	55	W&N	3	C	29.41	-37	54	52	-1	S	1	6	*	63	49	0.01	
Shields ...	29.88	56	N	0	C	29.56	-49	51	50	0	SE	3	C	2	59	48	0.04	
Spurn Head ...	29.93	55	SE	4	6c	29.67	-28	54	53	+2	SW	5	6c	3	62	51	0.03	
York ...	29.93	60	S	1	6c	29.62	-44	55	54	+4	S	3	6c	*	64	46	0.19	
Loughborough	29.51	62	SW	1	6c	29.64	-42	56	54	+10	SW	3	C	*	68	46	0.19	
Ardrossan ...	29.77	57	SE	4	0	29.40	-37	56	54	0	SW	3	0	5	61	51	0.02	
Malin Head ...	29.65	53	SE	4	0	29.58	-07	54	53	+3	SE	2	6c	2	53	50	0.13	
Mullaghmore ...	29.66	55	SE	7	0	29.84	-18	54	52	+2	SE	2	6c	2	53	50	0.43	
Belmullet ...	29.61	54	SW	6	0	29.28	-36	54	52	0	SE	3	6c	*	57	49	0.50	
Donaghadee ...	29.77	57	SW	4	6c	29.42	-35	56	53	+3	SW	4	0	2	61	53	0.20	
Liverpool (Bidston)	29.90	57	SW	1	6c	29.57	-47	56	53	+1	SE	2	C	3	64	51	0.02	
Holyhead ...	29.89	56	SW	4	0	29.57	-49	57	56	-1	SW	6	6c	5	62	51	0.40	
Parsonstown ...	29.77	54	N	0	6	29.37	-40	57	56	+7	SE	1	6c	*	59	48	0.37	
Valencia ...	29.75	53	SW	6	6	29.40	-35	58	57	+2	W	5	6c	3	58	54	0.34	
Roche's Point...	29.83	55	SW	4	6	29.45	-38	57	57	+4	SW	4	6c	4	59	51	0.20	
Pembroke (St. Ann's Hd.)	29.90	57	S	4	0	29.59	-47	56	56	-1	S	5	6c	5	60	54	0.57	
Scilly ...	29.72	53	S	4	0	29.67	-40	57	57	0	SW	5	6c	3	63	55	0.15	
Prawle Point ...	29.77	53	SW	2	6c	29.75	-02	57	57	+2	SW	5	6c	4	60	53	0.17	
Jersey (St. Aubin's)	29.00	61	SE	1	6	29.86	-25	61	58	+4	SW	4	6c	3	66	58	—	
Hurst Castle ...	29.01	58	SW	3	6c	29.80	-31	58	57	0	SW	6	6c	3	64	53	0.15	
Dungeness ...	29.01	60	SW	3	6	29.82	-27	60	57	+9	SW	5	6c	3	63	50	—	
London ...	29.77	62	SW	2	6c	29.77	-34	57	53	+8	SW	2	6c	*	65	49	0.07	
Oxford ...	29.76	54	SW	3	C	29.74	-37	58	53	+5	S	1	0	*	64	48	0.13	
Cambridge ...	29.77	57	N	0	6	29.73	-37	58	53	+5	S	1	0	*	67	48	0.09	
Yarmouth ...	29.77	60	S	4	6	29.78	-29	56	55	+3	SW	3	6	3	61	50	0.08	
GERMANY & HOLLAND.																		
Cuxhaven ...	29.88	58	N	1	6	29.92	+10	57	53	-1	SE	2	6	*	62	56	—	
Berlin ...	29.88	62	N	0	6	29.86	+14	58	54	-1	E	3	C	*	70	54	—	
Wiesbaden ...	29.86	60	N	0	6	29.83	+13	56	54	-1	S	0	C	*	70	48	—	
Munich ...	29.86	60	N	0	6	29.87	+11	57	57	-2	SE	3	0	*	70	53	0.12	
The Helder ...	29.84	56	S	1	6	29.88	+12	56	54	-2	SE	1	6c	1	61	50	—	
FRANCE AND BELGIUM.																		
Brussels (S a.m.)	29.00	59	W&N	1	C	29.91	+21	55	52	+2	SE	2	6c	*	65	48	—	
Cape Gris Nez	29.02	62	NE	1	0	29.84	+18	55	53	+6	S	4	0	1	63	50	—	
Paris ...	29.02	66	E	1	6c	29.85	+17	60	60	+5	W&N	2	0	3	72	50	—	
Brest ...	29.02	61	W&N	1	6	29.91	+19	62	59	+6	SW	4	0	3	70	54	—	
Lorient ...	29.02	61	W&N	1	6	29.91	+19	62	59	+6	SW	4	0	3	70	55	—	
Rochefort ...	29.09	67	NW	3	6	29.92	+10	64	61	+5	SW	3	C	2	79	57	—	
Belfort ...	29.09	64	N	3	6c	29.92	+10	65	63	+3	W	3	C	*	73	57	0.12	
Lyons ...	29.00	64	N	1	6c	29.81	+13	63	60	+5	SW	1	6	*	76	57	0.16	
Nice ...	29.01	66	SW	1	6c	29.85	+11	62	61	+2	E	1	C	0	75	61	—	
Perpignan ...	29.06	69	NE	2	6	29.81	+18	69	63	+7	NW	3	6	*	75	61	—	
Biarritz ...	29.04	68	NW	4	C	29.86	+12	64	61	+1	S	2	6c	2	72	61	—	
PENINSULA.																		
Corunna ...	29.13	66	W&N	4	6	29.85	+11	66	64	+4	SW	2	6	5	72	63	—	
Lisbon ...	29.13	66	W&N	4	6	29.85	+11	66	64	+4	SW	2	6	5	72	63	—	



# WEATHER CHARTS

for 8 a.m. on Monday, 31<sup>st</sup> August, 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 show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

○ = dead calm.

**SEA DISTURBANCE**—Where considerable, is shown thus:

— = Rough. — = High.

## MEAN HEIGHT OF THE BAROMETER

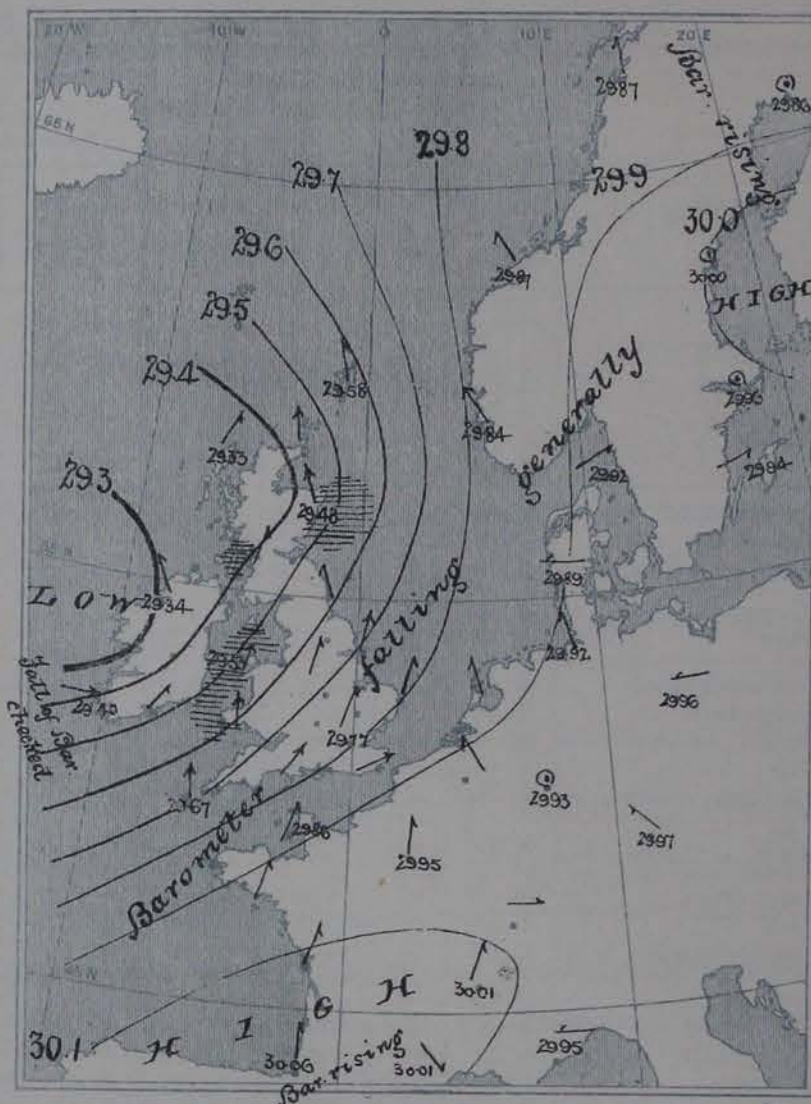
at 8.0 a.m. for the month of August

During the 20 Years: 1871—1890.

### STATIONS.

### MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumaburgh Head	29.781
Stornoway	29.796
Wick	29.810
Nairn	29.819
Aberdeen	29.832
Leith	29.849
Shields	29.871
Spurn Head	29.903
York	29.906
Loughborough	29.928
Ardsman	29.957
Mullaghmore	29.968
Donaghadee	29.979
Holyhead	29.987
Liverpool	29.996
Parsonstown	29.999
Valencia	29.927
Rochester Point	29.927
Pembroke	29.928
Sally	29.962
Pravle Point	29.975
Jersey	29.984
Hurst Castle	29.965
Dover	29.910
LONDON	29.934
Oxford	29.948
Cambridge	29.937
Yarmouth	29.928



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

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

**WEATHER** is shown by Letters of the Beaufort Scale.

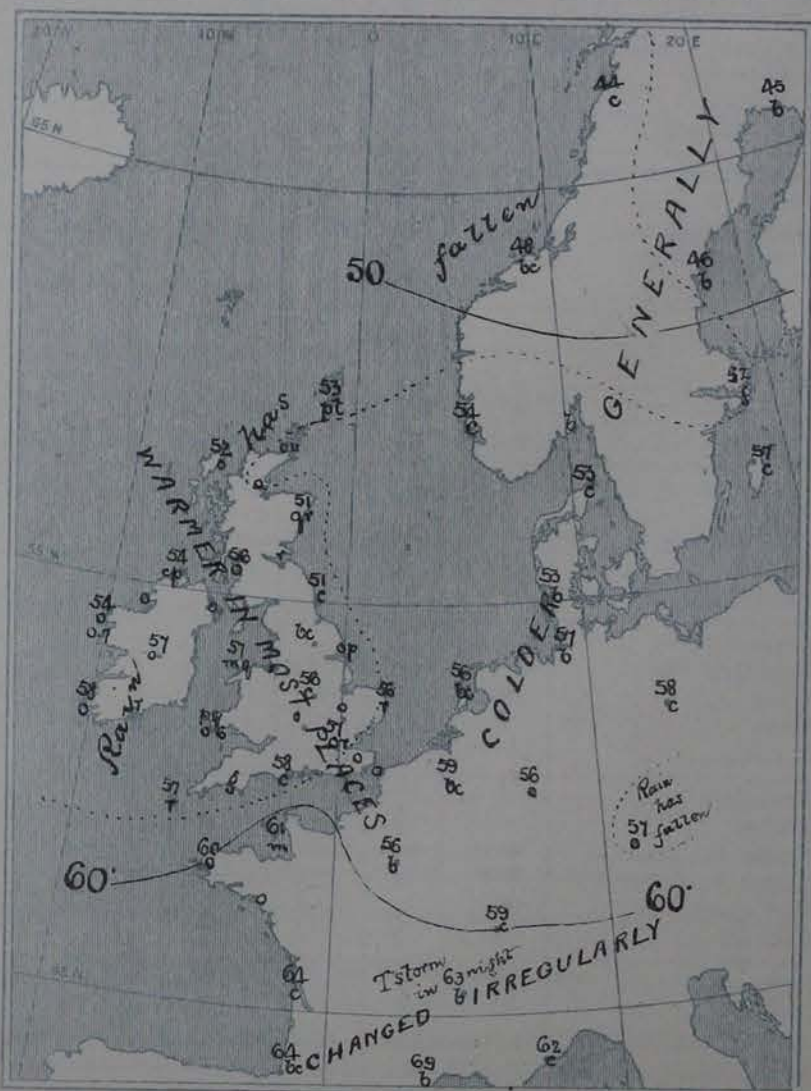
**RAINFALL**—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

### MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of August.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Day.	Night.	
Sumaburgh Head	57.7	48.4	53.4	51.7	3.16
Stornoway	59.8	48.8	54.9	53.2	3.67
Wick	61.1	48.3	55.2	53.2	2.57
Nairn	63.4	50.3	55.5	52.7	2.75
Aberdeen	63.1	50.1	56.5	53.4	3.03
Leith	65.7	51.3	57.5	54.4	2.56
Shields	63.6	51.0	57.2	54.5	2.85
Spurn Head	64.3	55.0	58.8	56.0	1.86
York	67.0	51.3	57.7	55.0	2.54
Loughborough	70.4	51.8	59.3	56.0	2.53
Ardsman	63.6	52.8	57.2	54.8	3.78
Mullaghmore	63.3	53.8	57.3	54.5	3.65
Donaghadee	62.2	52.2	56.9	55.3	3.04
Holyhead	64.1	54.5	58.4	56.2	2.77
Liverpool	65.8	54.1	58.5	55.2	2.83
Parsonstown	66.0	54.4	57.8	55.2	3.33
Valencia	64.7	54.1	59.3	56.0	4.70
Rochester Point	66.1	55.8	58.9	56.3	3.62
Pembroke	63.2	55.6	58.6	56.5	2.77
Sally	64.9	57.0	60.0	58.8	2.39
Pravle Point	65.3	54.4	60.1	57.9	2.14
Jersey	68.8	57.1	62.8	59.6	2.24
Hurst Castle	68.1	55.9	61.0	58.0	2.28
Dover	67.2	56.7	62.0	58.6	2.04
LONDON	71.8	58.5	60.9	57.3	2.21
Oxford	69.3	58.0	58.8	56.0	2.21
Cambridge	71.3	51.8	60.0	57.4	2.19
Yarmouth	66.3	54.8	60.5	57.0	2.15

**NOTE**—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1860-90.





# GENERAL SITUATION AT 8 A.M.

## PRESSURE

Highest, 30.1 ins: and more to 30.0 ins: over the Iberian Peninsula and the southwest of France, and about 30.0 ins: over the Gulf of Bothnia.  
Lowest, 29.3 ins: and less, in a depression having its centre off the west of Ireland.

Gradients moderate. Barometer falling generally, but at Valence the fall is checked.

## TEMPERATURE

Highest, 69° at Perpignan, 64° in the southwest of France, 61° at Jersey, 60° at Dungeness.  
Lowest, 44° at Bodo, 48° at Christiansund, 51° at Aberdeen and Shields, 52° at Wick and Stornoway.  
In London it is 57° but has been down to 49° in the night.

## WIND

Moderate SE<sup>3</sup> on our northwestern coasts; moderate to strong from the S<sup>2</sup> over England and the east of Scotland; fresh SW<sup>1</sup> to W<sup>1</sup> in the south of Ireland; moderate to light from SW over the Bay of Biscay. In Norway it is light from SE.

## WEATHER

Cloudy or overcast everywhere and very unsettled.  
Rain is again falling at almost all our own stations, and thunder is reported in the Shetlands.

## SEA

Rather rough on our western coasts, moderate in the north and at Howland Point, slight at most Channel stations.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A depression of a rather complex character has spread over our Islands from the westward, breaking up the fine weather which prevailed over England on Sunday, and bringing about a renewal of the S<sup>2</sup> winds and rains so prevalent during last week. Temperature is still low for the time of year, but less low than it was yesterday morning, and the general appearance is unsettled and showerlike. The disturbance seems to be still spreading, and further showers are likely in most places.

## FORECASTS

For the 24 hours ending at NOON on 1<sup>st</sup> SEPT 1891.

### DISTRICTS.

### FORECASTS.

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

S<sup>2</sup> winds, moderate or fresh; unsettled, rain at times.

SW<sup>2</sup> breezes, increasing in force; unsettled, rain at times.

### DISTRICTS.

### FORECASTS.

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

S<sup>2</sup> and SW<sup>2</sup> winds, fresh; squally, showery.



Same as No 10.

Same as Nos 6 and 7.

SW<sup>2</sup> winds, fresh; changeable, showery.

### WARNINGS

NONE ISSUED.

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



# YESTERDAY'S 2 P.M. REPORTS.

								THER: WIND																THER: WIND							
		BAR:	D.	W.	D.	F.	WEA.	SEA			BAR:	D.	W.	D.	F.	WEA.	SEA			BAR:	D.	W.	D.	F.	WEA.	SEA					
Skudeanaes ...	29.97	57	50	WNW	4	bc	3		Holyhead ...	29.96	60	56	SW	3	bc	2		Valencia ...													
Sumburgh Head									Scilly ...									Jersey ...	30.09	65	55	WNW	2	bc	2						
Stornoway ...	29.74	56	53	SW	4	bc	4		Dungeness ...	30.05	61	55	SW	3	c	1		London ...							*						
Aberdeen ...									Yarmouth ...									Rochefort ...	32.96	74	67	NW	2	c	?						
Shields ...																															
Ardrossan ...																															
Malin Head	29.77	57	51	S	5	o	2																								
Mullaghmore																															
Belmullet ...	29.73	57	53	SW	6	o p	*																								

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

Weather in morning fine over the greater part of Europe but dull at several of the western French stations with a thunderstorm at Biarritz. Becoming dull and unsettled later in all the more western parts of the United Kingdom, with considerable falls of rain in Ireland and Wales. Thunderstorms occurring at Lyons in evening and night.

Temperature highest 77° at Barcelona and Brindisi, 76° at Algiers and Malta, and 75° at Toulon, Oran and La Calle; above 70° at nearly all the Mediterranean and Adriatic stations and reaching 65° at Moscow, - Lowest (1) 44° at Bodo, 47° at Nain, and 48° at Christiansund and Sumburgh Head, (2) 46° at Loughborough, 48° at Oxford, and 49° in London; below 55° in most parts of the United Kingdom. Daily maxima below 60° at several of our own western and northern stations, but thermometer reaching 67° at Cambridge, and 68° at Loughborough. Rising to between 70° and 80° over France.

Wind light or moderate from the E or NE over France, from the S in the west and north of our Islands, from the west over Denmark, Germany and the east of England and from the NW in the south of Norway. Light from SW or S over Finland and the Baltic provinces and from the NE in the south of Russia. Variable over southern Europe and Algeria, as well as over the central parts of England. S breeze settling in later over the whole of the United Kingdom and blowing strongly in the extreme west. Wind shifting to the NW in the west of France.

Barometer highest 30.1 ins. and upwards in three anticyclonic areas, one lying over the south of Spain, another over Germany, the Netherlands, the south of England and the greater part of France and a third over central Russia. Lowest 29.6 ins. and less in a depression lying over Lapland. Another disturbance apparently lying to the west of our Islands and a shallow system over the northeast of Spain. New and deeper depression advancing later to the west of Scotland; disturbance over Spain moving northwards to the west of France.

### SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 23<sup>rd</sup> TO 29<sup>th</sup> AUGUST 1891.

The weather of the past week has been of a very rough unsettled character. Pressure and temperature have both been much below the average values for the time of year; S to W winds have been constantly prevalent over the United Kingdom, they have been strong in force, and at times have blown with the force of a strong gale all over our Islands and the English Channel. Rain has been prevalent day after day and during the latter half of the week the falls were very heavy and continuous. These conditions have resulted from the advance of numerous and deep depressions to our western and northern districts from the Atlantic and, air spreading southwards all over the country, and the appearance of several shallow secondaries over England.

At the close of the week a marked improvement was in progress; the barometer was rising everywhere, and as the cyclonic systems were travelling away to the northward, the high-pressure areas over Europe and the Bay of Biscay were spreading northwards to Ireland and England.

#### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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



# ADDITIONS AND CORRECTIONS TO THE

## 1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING.						8 A.M. TO-DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 9.)	SHADE TEMP.		Amount of Rainfall.		
				Direct.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direct.	Force (0 to 12.)			Max.	Min.			
3	Corunna.....	*	*	*	*	*	30.06	- 0.9	66	64	+ 3	N	2	C	2	68	61	-		
4	Corunna.....	*	*	*	*	*	30.01	- 0.5	66	63	0	N	3	O	3	70	61	-		
5	Corunna.....	*	*	*	*	*	29.99	- 0.2	64	60	- 2	NW	5	bc	7	66	52	0.08		
6	Corunna.....	*	*	*	*	*	30.20	+ 2.1	63	50	- 1	N	4	O	5	66	57	0.16		
7	Corunna.....	*	*	*	*	*	30.23	+ 0.3	64	61	+ 1	N	4	bc	4	66	54	-		
8	The Helder.....	29.97	59	WNW	3	O	30.04	+ 0.3	59	-	0	NW	2	O	2	61	59	0.04		
"	Corunna.....	*	*	*	*	*	30.18	- 0.5	63	60	- 1	N	3	b	3	66	52	-		
10	Corunna.....	*	*	*	*	*	30.17	-	65	63	-	NW	5	b	4	66	54	-		
11	Brussels.....	*	*	*	*	*	30.06	+ 1.9	57	-	0	N	2	bc	*	67	51	0.32		
"	Corunna.....	*	*	*	*	*	30.24	+ 0.7	66	62	+ 1	N	6	b	4	68	59	-		
12	Corunna.....	*	*	*	*	*	30.19	- 0.5	64	62	- 2	N	3	b	2	66	54	-		
13	Corunna.....	*	*	*	*	*	30.16	- 0.3	66	-	+ 2	SW	2	bc	1	66	55	-		
14	Corunna.....	*	*	*	*	*	30.02	- 1.4	76	-	+ 10	NE	1	bc	2	79	54	-		
15	Corunna.....	*	*	*	*	*	30.11	+ 0.9	65	64	- 11	NW	3	O	2	73	61	-		
17	Brussels.....	*	*	*	*	*	30.02	+ 0.7	62	-	+ 3	SSE	1	C	*	68	52	-		
"	Lyon.....	30.01	72	N	1	bc	30.04	+ 0.2	63	-	- 5	E	1	b	*	79	54	-		
"	Corunna.....	*	*	*	*	*	29.98	- 1.5	69	66	+ 4	SSW	3	O	1	70	55	-		
18	Corunna.....	*	*	*	*	*	29.93	- 0.5	67	63	- 2	SW	5	O	1	75	57	1.18		
19	Lyon.....	29.84	63	WNW	3	O	29.99	+ 1.4	60	-	- 7	NW	1	bc	*	87	52	0.67		
"	Corunna.....	*	*	*	*	*	30.09	+ 1.6	67	62	0	N	5	O	5	70	57	-		
20	Corunna.....	*	*	*	*	*	30.07	+ 0.2	70	65	+ 5	SW	6	O	4	72	55	-		
21	Corunna.....	*	*	*	*	*	29.98	- 0.9	68	64	- 2	N	6	O	5	75	59	0.08		
22	Berlin.....	29.58	67	SW	5	O	29.68	- 0.5	60	56	+ 3	SW	4	C	*	73	57	-		
"	Niesbaden.....	*	*	*	*	*	29.71	+ 0.8	59	56	- 2	SW	2	bc	*	72	50	0.04		
"	Munich.....	29.86	59	SW	3	O	29.82	- 0.4	55	55	- 7	SE	3	T	*	77	54	0.43		
"	Lyon.....	29.82	70	WSW	2	C	29.79	- 0.8	58	-	- 2	SSW	2	O	*	75	57	0.04		
"	Corunna.....	*	*	*	*	*	29.94	- 0.4	62	-	- 6	WNW	5	O	5	?	55	0.24		
24	Corunna.....	*	*	*	*	*	30.02	+ 0.8	64	60	+ 2	SSW	3	b	2	66	50	-		
25	The Helder.....	29.89	60	SW	2	O	29.80	- 0.1	60	-	+ 2	SW	4	O	3	63	?	0.04		
"	Brussels.....	*	*	*	*	*	29.92	+ 0.1	58	-	+ 3	SSW	3	O	*	65	54	0.04		
26	Corunna.....	*	*	*	*	*	29.89	- 1.3	71	65	+ 4	SSW	7	b	2	75	61	-		
27	Corunna.....	*	*	*	*	*	29.67	- 2.2	64	61	- 7	SSW	7	O	3	75	57	0.47		
28	Skudesnaes.....	29.36	59	SSE	4	O	?	?	58	55	- 1	S	9	O	7	59	57	0.47		
"	Perpignan.....	29.85	75	S	5	b	30.03	+ 0.7	67	-	- 1	WSW	3	O	*	86	63	-		
"	Corunna.....	*	*	*	*	*	30.04	+ 0.37	68	62	+ 4	SW	5	b	2	70	57	0.35		
29	Brussels.....	*	*	*	*	*	30.26	+ 0.40	58	-	- 1	SW	4	C	*	69	52	-		
"	Cape Gris Nez.....	29.90	59	SW	5	T	29.95	+ 2.0	59	-	+ 2	SW	6	O	5	64	55	0.12		
"	Corunna.....	*	*	*	*	*	30.06	+ 0.2	64	60	- 4	S	2	bc	2	70	50	-		
31	Corunna.....	*	*	*	*	*	30.04	?	67	63	?	SSW	3	O	2	70	57	0.12		



## 2. CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING.					8 A.M. TO-DAY.								PAST 24 HOURS.			
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 3.)	SHADE TEMP.		Amount of Rainfall.
				Dirac.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force (0 to 12.)			Max.	Min.	
2	Malin Head...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09
3	Donaghadee...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Malin Head...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	0.01
8	Parsonstown...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
-	Mullaghmore 2pm	-	-	-	-	-	-	-	-	-	-	-	3	-	3	-	-	-
9	Scilly...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16
10	Hurst Castle...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	-	-
-	Mullaghmore 2pm	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-
11	Wick...	-	-	-	-	-	-	-	54	54	+ 2	-	-	-	-	-	-	-
12	Wick...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Mullaghmore 2pm	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
18	Jersey...	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
19	Scilly...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09
21	Mullaghmore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07
25	Spurn Head...	-	59	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-
-	Holyhead...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.77
26	Sumburgh Id. 29.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	Leith...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22
29	Dungeness...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.25
31	Jersey...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-	-