

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER,

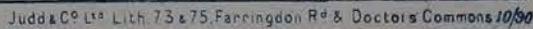
1891.

Soc. Reg. Lond.

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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 C
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 not sufficient in point of time to be included in the above.

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	36.3	40.5	46.3	36.3	41.3	51.5	39.5	45.5	56.5	43.9	50.2	62.0	49.5	55.8
Mullaghmore - - -	46.1	38.0	42.1	46.6	38.6	42.6	47.9	38.4	43.2	51.9	42.3	47.1	56.7	46.3	51.5	61.1	51.4	56.2
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 *Wednesday, 1st July, 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 ...	29.60	46	Z	0	c	29.62	+ .05	51	45	- 5	NE	2	c	*	59	45		
	Hernösand ...	29.66	57	S	2	b	29.61	- .14	59	55	+ 7	NE	2	c	*	75	45		
	Stockholm ...	29.72	64	SW	2	b	29.72	- .04	66	59	+ 1	SW	6	b	*	73	55		
	Wisby ...	29.81	62	SW	4	b	29.83	+ .03	63	59	- 1	SW	4	b	*	72	59		
	Bodö ...	29.69	42	WNW	5	r	29.67	- .04	44	41	+ 2	Z	0	0	0	44	41	0.28	
	Christiansund	29.69	52	NNE	5	c	29.72	.00	49	48	- 1	NE	3	r	3	55	48	0.12	
	Skudesnaes ...	29.73	59	S	6	0	29.75	+ .10	60	58	0	SSE	4	c	4	61	55		
	Christiania Fjord (Færd)	29.67	62	SSW	6	b	29.74	+ .05	63	58	- 1	WSW	5	b	4	64	59		
	Skagen (The Scaw)	29.79	59	WNW	3	0	29.79	+ .08	61	59	- 2	WSW	2	b	2	70	55		
	Fanö ...	29.88	60	WSW	4	b	29.85	+ .04	65	63	- 1	SW	4	c	*	68	59		
BRITISH ISLANDS.	Sumburgh Head	29.53	56	ESE	1	b	29.56	+ .01	55	54	+ 2	SW	1	c	4	58	50	0.12	
	Stornoway ...	29.36	57	SE	2	r	29.51	+ .14	56	55	+ 1	S	4	c	4	60	53	0.55	
	Wick ...	29.47	57	S	3	c	29.60	+ .14	61	56	+ 4	S	2	0	2	66	55		
	Nairn ...	29.44	65	SW	2	c	29.55	+ .14	61	56	- 1	SW	2	b	1	69	53		
	Aberdeen ...	29.54	59	S	4	b	29.63	+ .11	62	57	+ 3	SSE	2	b	2	64	54		
	Leith ...	29.55	64	SSW	5	b	29.64	+ .15	63	57	+ 2	SW	2	c	*	67	56		
	Shields ...	29.65	65	SW	3	c	29.70	+ .12	62	56	+ 1	SW	3	c	2	68	52		
	Spurn Head ...	29.70	67	SSW	3	b	29.76	+ .11	62	57	- 2	SSW	2	b	*	70	52		
	York ...	29.77	67	SW	3	c	29.78	+ .05	62	58	- 1	E	1	0	*	69	57	0.02	
	Loughborough	29.77	67	SW	3	c	29.78	+ .05	62	58	- 1	E	1	0	*	69	57	0.02	
GERMANY & HOLLAND.	Ardrossan ...	29.51	57	SW	4	c	29.66	+ .21	55	54	- 2	SW	3	0	2	58	54	0.02	
	Malin Head ...	29.44	56	SW	2	op	29.62	+ .37	52	50	- 3	WSW	2	b	2	62	52	0.24	
	Mullaghmore ...	29.48	60	SW	4	cp	29.63	+ .40	56	52	- 2	SW	2	b	2	64	49	0.25	
	Belmullet ...	29.46	58	WSW	2	0	29.61	+ .35	56	54	- 2	SSW	2	b	*	61	51		
	Donaghadee ...	29.53	60	SW	4	c	29.67	+ .23	61	59	+ 4	SW	3	c	2	65	56	0.05	
	Liverpool (Bidston)	29.70	65	SW	4	b	29.73	+ .11	62	56	0	SSE	1	0	2	67	52		
	Holyhead ...	29.66	58	SSW	6	b	29.71	+ .15	59	57	+ 1	SSW	4	c	4	61	54	0.01	
	Parsonstown ...	29.56	60	Z	0	0	29.66	+ .24	59	56	0	Z	0	c	*	66	52	0.31	
	Valencia ...	29.58	60	SSW	5	om	29.67	+ .23	58	55	- 1	SSW	1	c	1	61	52	0.03	
	Roche's Point...	29.64	59	SW	5	b	29.68	+ .18	59	56	+ 2	SW	3	c	4	61	55	0.10	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.73	57	SSW	4	0	29.72	+ .09	56	56	0	S	2	pm	4	59	54	0.03	
	Soilly ...	29.78	62	SSW	4	b	29.68	- .02	57	57	- 4	S	4	r	4	67	56	0.76	
	Prawle Point ...	29.63	58	SW	4	0	29.73	- .06	56	56	- 2	SSE	1	f	1	60	55	0.14	
	Jersey (St. Aubin's)	29.88	66	SW	3	og	29.76	- .13	61	60	- 2	E	2	cgm	2	70	57	0.42	
	Hurst Castle ...	29.88	61	SW	3	r	29.78	- .09	59	59	- 1	S	2	orm	2	66	58	0.05	
	Dungeness ...	29.89	63	SW	4	0	29.76	- .09	65	62	+ 6	E	4	b	2	66	58	0.02	
	London ...	29.85	66	SSW	2	c	29.80	- .07	61	57	- 5	SSE	1	r	*	72	59	0.06	
	Oxford ...	29.83	62	S	3	0	29.78	.00	60	57	+ 1	SSE	2	0	*	69	57		
	Cambridge ...	29.83	67	S	1	c	29.79	+ .01	64	60	- 1	S	1	or	*	73	57		
	Yarmouth ...	29.82	65	S	4	b	29.81	+ .01	62	60	- 3	S	2	b	2	72	60		
PENINSULA.	Cuxhaven ...	29.93	66	WNW	2	b	29.92	+ .08	64	64	- 4	SSE	1	c	*	74	64		
	Berlin ...	29.95	79	W	2	c	29.95	+ .07	64	65	- 5	SE	3	c	*	86	64	0.45	
	Wiesbaden ...	*	*	*	*	*	29.89	- .07	74	69	+ 8	Z	0	b	*	82	64		
	Munich ...	30.06	75	NE	2	b	30.05	- .05	78	66	+ 5	E	1	b	*	86	63		
	The Helder ...	29.92	63	SSW	1	b	29.96	.00	64	66	- 1	W	1	b	1	68	67		
	Brussels (9 a.m.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Cape Gris Nez	29.91	63	SW	1	c	29.80	- .05	64	62	+ 4	ENE	1	c	1	68	59		
	Paris ...	29.93	72	S	1	b	29.83	- .16	68	66	+ 3	E	1	b	*	74	63	0.41	
	Brest ...	?	61	W	3	0	?	?	60	60	0	SE	4	r	5	66	57	0.48	
	Lorient ...	29.91	63	SSW	1	r	29.77	- .12	61	60	- 2	ESE	2	0	5	68	59	0.44	
PENINSULA.	Rochefort ...	29.84	75	WNW	3	c	29.77	- .16	68	67	+ 4	NE	1	0	4	86	64	0.59	
	Belfort ...	29.91	73	W	3	b	29.91	?	72	63	?	W	2	b	*	90	59		
	Lyons ...	29.92	80	S	4	c	29.93	- .07	78	62	+ 3	S	5	b	*	87	72		
	Nice ...	30.06	70	SW	4	b	30.06	- .03	72	68	+ 8	Z	0	b	0	79	63		
	Perpignan ...	29.94	74	E	3	b	29.97	- .04	72	69	+ 2	NE	2	0	*	86	64		
	Biarritz ...	29.81	79	NE	3	c	29.86	- .07	69	63	+ 2	Z	0	0	2	88	64		
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	29.97	66	SW	4	*	30.03	+ .07	67	66	+ 1	WSW	3	r	3	73	66	0.04		

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

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

for 8 a.m. on Wednesday, 1st July, 1891.

EXPLANATION OF MAP

Changes since previous morning are stated in words.

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

 = Rough, = High.

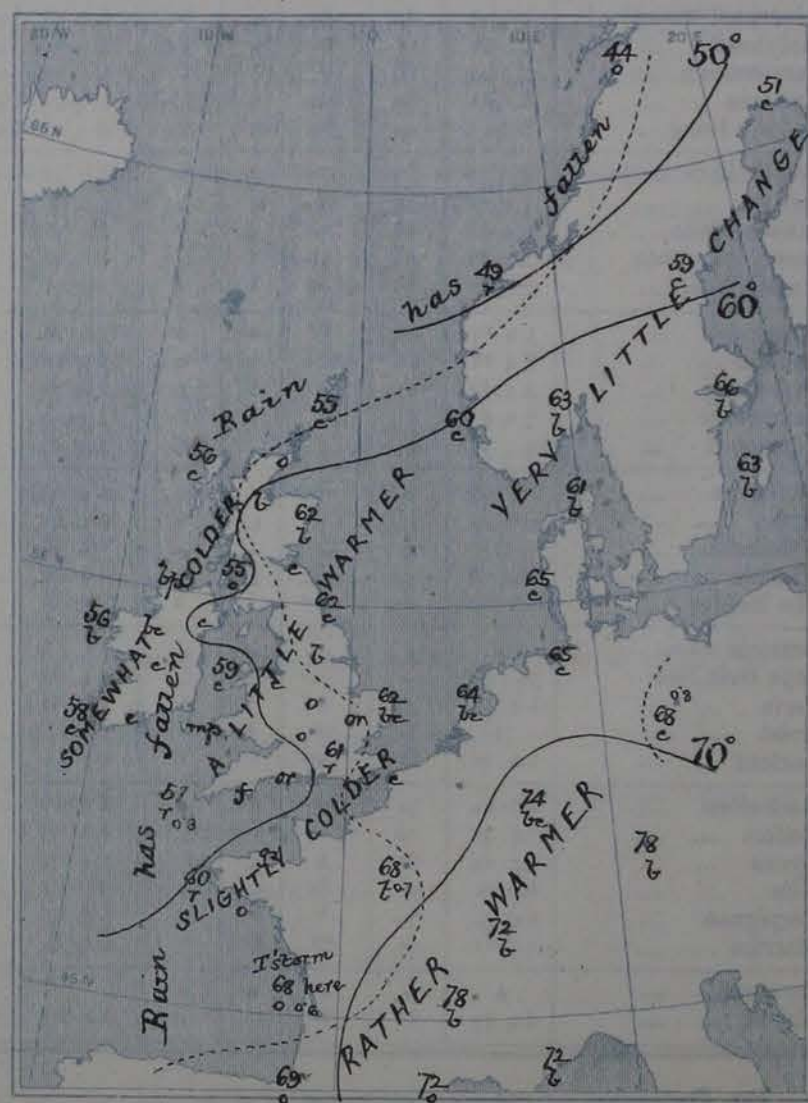
at 8.0 a.m. for the month of July
During the 20 Years: 1871—1890.

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

WEATHER is shown by Letters of the Beaufort Scale.

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

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins. and upwards in Portugal and also over the southern parts of France and Germany.
 Lowest, 29.5 ins. and less, in a small depression lying off the northwest of Scotland.
 Gradients slight. Barometer rising in all the more northern parts of our Islands and also in Norway, but falling elsewhere.

TEMPERATURE

Highest, 78° at Munich and Lyons, 74° at Wiesbaden, 72° at Wilfort, Nice, and Perpignan, and 69° at Hanitz.
 Lowest, 44° at Rodi, 49° at Christiansund, 51° at Itaparanda, 52° at Malin H., and 55° at Seimburg H., and Andressen.
 The highest maxima registered over our Islands yesterday were 73° at Cambridge, and 72° in London and at Yarmouth.

WIND

Light from the Snd or SWnd in our Islands; moderate from the same quarters over Denmark and the south of Scandinavia.
 Light from the End at most of the French and German stations.

WEATHER

Rainy in the south and southeast of England, and dull at many of the French stations, with thunder at Paris.
 Fair or fine in nearly all other parts of Western Europe, but rainy at Christiansund.
 Since yesterday morning, rain has fallen at many of the English, Irish, French, and German stations, as well as in the extreme north of Scotland, the largest amounts being 0.8 inch at Seilly and Berlin, and 0.7 inch at Paris.

SEA

Rather rough off the northwest of France but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small and very shallow depressions which are lying to the southward of our Islands will probably move northwards, and unsettled weather is therefore likely to spread to many parts of the United Kingdom, with thunder in places.

FORECASTS

For the 24 hours ending at NOON on 2nd July. 1891.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

S² winds, light; fine to showery.
 S² and SE² winds; fair to dull and some rain.
 SE² winds, light; changeable some showers, possibly thunder.

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

Same as N^{os} 0 and 1.
 Same as N^o 2.
 S² to SW² winds, moderate; changeable, showery.
 SW² to S² winds, moderate; fair to showery.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA	SEA		BAR:	THER:		WIND		WEA	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.69	61	59	SSE	6	0	4		Holyhead ...	29.64	60	57	SSW	6	5
Sumburgh Head ...	29.53	55	55	ESE	1	3	4		Valencia ...	29.54	61	59	SSW	6	6
Stornoway ...	29.39	60	58	SE	2	0	3		Scilly ...	29.75	67	63	SSW	4	5
Aberdeen ...	29.53	61	55	SSE	4	Cd	3		Jersey ...	29.89	69	62	SSW	3	3
Shields ...	29.62	65	57	S	4	C	2		Dungeness ...	29.89	66	62	SW	5	4
Ardrossan ...	29.48	58	57	S	4	0	3		London ...	29.85	69	63	SW	3	*
Malin Head ...	29.37	60	57	W	3	0	2		Yarmouth ...	29.83	72	63	WSW	4	3
Mullaghmore ...	29.40	61	59	SSW	5	ogp	3		Rochefort ...	29.91	75	69	WNW	3	*
Belmullet ...	29.41	61	60	WSW	4	C	*								

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

Weather in morning fine and bright over the Mediterranean, southern, southeastern, and Central Europe generally, as well as in Sweden and several parts of France and England; dull and unsettled at our western stations, with rain in places, and foggy at Sumburgh Head. Rain later in many parts of Ireland, England, and France (heavy at Scilly, Jersey, and Paris) and a large quantity at Berlin. Thunder at Rochefort.

Temperature exceeding 70° over the Mediterranean, the Adriatic, and at Munich and Constantinople, and exceeding 60° in all but the northern countries, but as low as 47° at Archangel and Haparanda, 50° at Christiansund, 53° at Sumburgh Hd., 55° at Stornoway and Malin Hd. Rising to 70° or more in several parts of England and France later, to upwards of 80° in the south and southwest of France, and to 90° at Belfast.

Wind extremely light and variable over the Continent and Mediterranean, and light to moderate in force; S to SW in our Islands — strong to a moderate gale at the western stations, moderate elsewhere. Backing SE in Scotland later, but little other change reported.

Barometer highest 30.1 ins. to 29.9 ins. all over southern, southwestern, and central Europe, and above 29.7 ins. in the west of Norway; lowest 29.3 ins. and less, in a depression off our northwestern coasts, and below 29.6 ins. over the north of Russia. Rising briskly in Ireland later as the depression off our northwestern coasts moved northwards.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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, 2nd July, 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 5.)	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 ...	29.64	48	NW	2	0	29.69	+0.07	53	47	+2	NW	4	0	*	57	41	-
	Hernösand ...	29.68	53	NE	6	6c	29.80	+0.19	57	50	-2	EHE	4	0	*	77	46	-
	Stockholm ...	29.70	65	N	4	6	29.74	+0.02	65	58	-1	NNW	2	0	*	75	47	-
	Wisby ...	29.77	62	SSW	4	6	29.76	-0.07	63	59	0	NNE	4	6c	*	75	57	-
	Bodö ...	29.83	46	N	2	6	29.87	+0.20	48	44	+4	N	2	6	*	75	41	-
	Christiansund	29.78	51	NNE	4	f	29.76	+0.04	53	49	+4	NNE	3	6c	2	53	48	-
	Skudesnaes ...	29.75	61	SSW	1	6c	29.68	-0.07	62	58	+2	Z	0	0	3	64	55	-
	Christiania Fjord (Færdar)	29.71	62	SSW	4	6c	29.73	-0.01	61	59	-2	N	3	7	2	64	61	-
	Skagen (The Scaw)	29.78	61	SW	1	6	29.71	-0.08	63	61	+2	S	1	0	0	73	57	-
	Fanö ...	29.73	63	EHE	2	c	29.69	-0.16	63	60	-2	SW	6	0	*	68	61	0.08
BRITISH ISLANDS.	Sumburgh Head	29.65	59	NNW	1	6c	29.66	+0.10	52	52	-3	NE	1	f	3	63	50	-
	Stornoway ...	29.64	56	SW	4	0	29.65	+0.14	57	55	+1	Z	0	6	2	60	49	0.02
	Wick ...	29.58	57	NW	2	c	29.68	+0.08	55	52	-6	NW	2	0	2	67	49	0.03
	Nairn ...	29.61	66	SW	2	6c	29.65	+0.10	56	54	-5	Z	0	0	1	68	54	-
	Aberdeen ...	29.66	63	SSW	2	c	29.67	+0.04	56	55	-6	N	1	0T	1	67	54	0.11
	Leith ...	29.66	65	NNW	1	c	29.66	+0.02	60	56	-3	S	1	0	*	69	53	0.13
	Shields ...	29.66	58	SE	3	0	29.71	+0.01	60	55	-2	SW	3	0	2	68	52	0.05
	Spurn Head ...	29.67	62	SSW	1	0	29.83	+0.07	59	54	-3	S	2	6	*	71	49	0.30
	York ...	29.67	61	Z	0	7	29.84	+0.06	59	55	-3	SW	3	6c	*	67	51	0.24
	Loughborough	29.67	61	Z	0	7	29.84	+0.06	59	55	-3	SW	3	6c	*	67	51	0.24
GERMANY & HOLLAND.	Ardrossan ...	29.66	60	Z	0	c	29.65	-0.01	60	57	+5	SSE	2	0	3	62	52	0.01
	Malin Head ...	29.65	55	SE	2	0	29.57	-0.05	55	53	+3	SSE	2	0	1	61	51	0.02
	Mullaghmore ...	29.63	58	NE	1	0	29.53	-0.10	54	52	-2	ESE	4	6	2	60	52	0.04
	Belmullet ...	29.61	62	SSW	1	6c	29.53	-0.08	57	55	+1	N	1	0	*	63	52	0.02
	Donaghadee ...	29.66	56	SW	3	c	29.64	-0.03	58	56	-3	SW	4	0	2	61	56	0.04
	Liverpool (Bidston)	29.69	57	NNW	1	7	29.75	+0.02	59	54	-3	SSW	2	6c	3	67	51	0.68
	Holyhead ...	29.70	58	SSW	2	0	29.70	-0.01	58	55	-1	SSW	5	6	4	63	52	0.02
	Parsonstown ...	29.65	59	Z	0	c	29.59	-0.07	54	52	-5	SW	1	7	*	66	51	0.33
	Valencia ...	29.62	59	S	6	0	29.68	+0.01	56	54	-2	N	5	cyp	6	61	54	0.11
	Roche's Point...	29.70	61	SW	3	6c	29.69	+0.01	57	53	-2	N	4	6c	4	64	54	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.74	57	SSW	4	6	29.77	+0.05	57	56	+1	SSW	4	6c p	4	58	54	0.74
	Scilly ...	29.87	61	SW	4	6c	29.84	+0.16	60	58	+3	SW	5	6c p	4	62	56	0.10
	Prawle Point ...	29.81	58	N	4	c	29.91	+0.18	58	56	+2	SW	4	6c	3	61	54	0.85
	Jersey (St. Aubin's)	29.86	65	N	5	6	29.98	+0.22	61	58	0	SW	4	6c	3	70	56	-
	Hurst Castle ...	29.77	61	NNW	6	6	29.93	+0.15	59	58	0	NNW	6	6c	3	64	57	0.10
	Dungeness ...	29.73	64	NNW	6	6c	29.94	+0.18	60	58	-5	N	5	0	4	69	57	-
	London ...	29.69	64	SSW	3	c	29.91	+0.11	64	56	+3	NNW	2	6c	*	70	52	0.46
	Oxford ...	29.75	59	SW	3	6c	29.89	+0.11	58	54	-2	SW	4	0	*	66	50	0.09
	Cambridge ...	29.65	68	S	1	6c	29.88	+0.09	61	57	-3	SW	2	6c	*	69	49	0.15
	Yarmouth ...	29.69	62	NNE	2	6	29.87	+0.06	61	57	-1	N	4	6	3	62	54	0.28
GERMANY & HOLLAND.	Cuxhaven ...	29.82	65	Z	2	6	29.77	-0.15	65	63	0	NNW	5	6	*	71	64	-
	Berlin ...	29.80	73	Z	0	0	29.90	-0.05	71	67	+3	N	3	6	*	82	64	0.87
	Wiesbaden ...	*	*	*	*	*	29.98	+0.09	72	65	-2	N	4	6c	*	86	63	-
	Munich ...	29.95	80	S	1	c	30.08	+0.03	75	66	-3	Z	0	6	*	90	63	0.04
	The Helder ...	29.73	66	SSW	3	6	29.87	+0.01	59	57	-5	SW	3	6	3	70	59	-
	Brussels (9 a.m.)	*	*	*	*	*	29.99		60	?		W	2	0	*	82	55	0.75
	Cape Gris Nez	29.74	62	NNW	5	6	29.95	+0.15	57	55	-7	NNW	5	6c	5	73	54	-
	Paris ...	29.88	77	SSW	3	6	?	?	61	57	-7	SW	1	6	*	84	55	-
	Brest ...	?	66	N	3	6	?	?	59	57	-1	N	3	6	3	68	55	0.08
	Lorient ...	29.96	63	W	3	6c	29.99	+0.22	59	57	-2	SW	2	0	3	66	59	0.04
FRANCE AND BELGIUM.	Rochefort ...	29.93	67	NNW	4	6c	29.99	+0.22	66	63	-2	Z	0	0	*	79	63	0.04
	Belfort ...	?	73	N	1	6	30.03	+0.12	72	63	0	N	2	0	*	92	61	-
	Lyons ...	29.98	84	S	3	0	?	?	67	63	-11	?	5	0	*	84	?	-
	Nice ...	30.02	78	Z	0	6	29.98	-0.08	76	64	+4	E	1	0	0	84	66	-
	Perpignan ...	30.01	75	NE	3	6	29.98	+0.01	71	69	-1	NE	2	0	*	79	64	-
	Biarritz ...	30.05	70	N	3	0	30.03	+0.17	66	63	-3	EHE	2	0	2	77	64	-
	Corunna ...	*	*	*	*	*	30.13	+0.10	65	59	-2	NNW	4	6	2	75	61	-
	Lisbon ...	30.09	67	NW	4	6												

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

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

WEATHER CHARTS

for 8 a.m. on Thursday, 2nd July, 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:

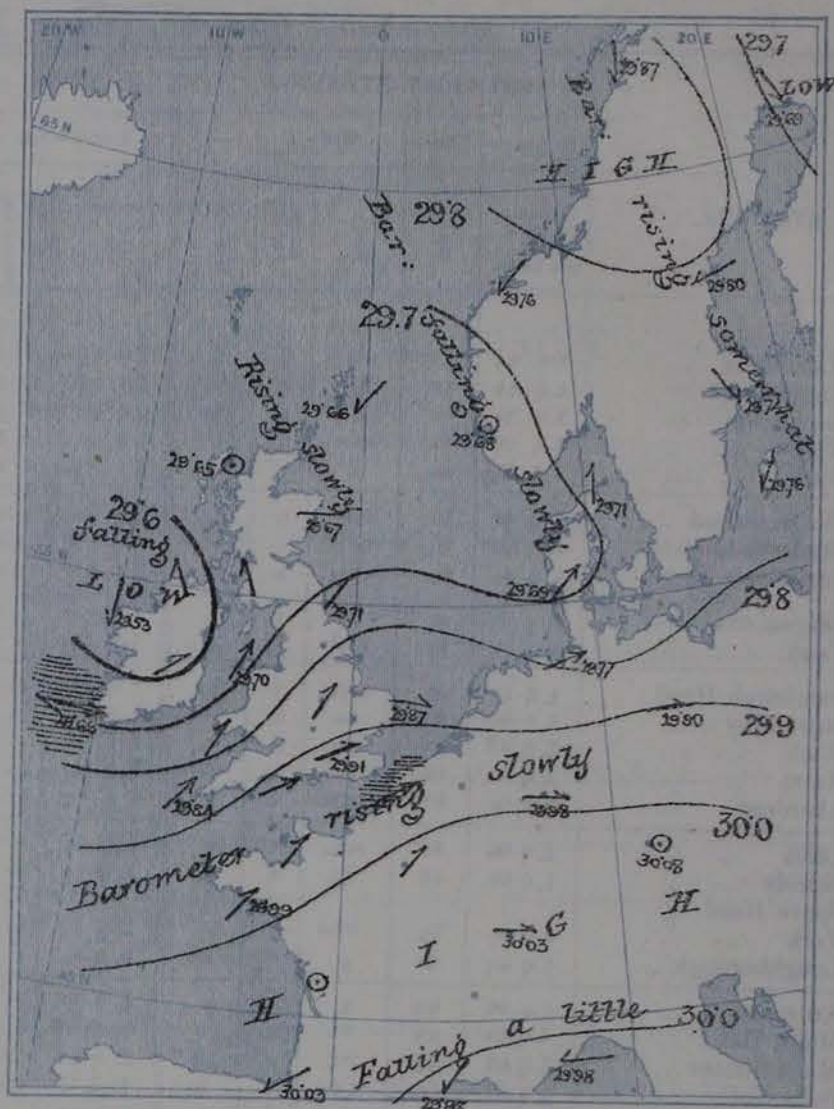
— Rough, — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of July

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.936
Mullaglmoro	29.969
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Selly	29.971
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

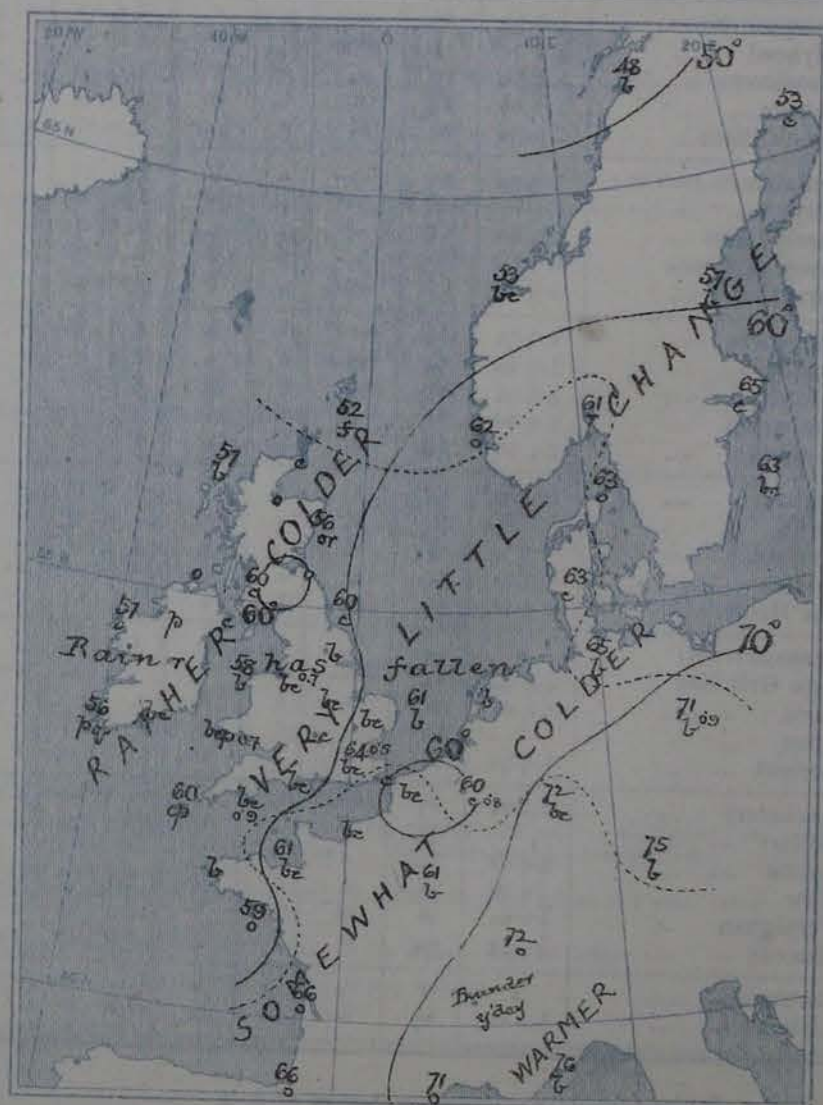
WEATHER is shown by Letters of the Beaufort Scale.

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

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

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.0	53.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.0	58.7	53.3	2.30
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	63.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaglmoro	62.9	54.0	57.2	54.4	3.72
Donaghadee	64.2	51.8	57.4	53.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.90
Roche's Point	66.1	59.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Selly	64.4	56.2	60.2	58.1	2.40
Prawle Point	64.5	58.7	59.0	57.3	2.24
Jersey	68.3	56.2	62.6	58.9	2.40
Hurst Castle	67.8	55.5	61.1	54.8	2.24
Dover	66.8	56.3	61.9	58.4	1.55
LONDON	72.4	54.0	62.6	57.8	2.38
Oxford	69.0	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.3	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins. at Lisbon; 30.0 ins. and upwards, over Spain, France, and South Germany.
 Lowest, 29.6 ins. and less, in a depression lying over Ireland; 29.7 ins. and less in another disturbance lying over Lapland.
 Gradients moderate off the southwest of our Islands, but slight elsewhere.
 Barometer falling on our northwest coast, and also on the eastern shores of the North Sea, but rising elsewhere.

TEMPERATURE

Highest, 76° at Nice, 75° at Munich, 72° at Belfast and Wiesbaden, and 71° at Berlin and Perpignan.
 Lowest, 48° at Oslo, 52° at Edinburgh, 53° at Copenhagen and Christiana, and 54° at Mullaghmore and Rossmore.
 The highest maxima registered over our Islands yesterday were 71° at York, and 70° at Jersey and in London.

WIND

Moderate or fresh from the SWnd over the greater part of Ireland and England and the southern parts of the North Sea.
 Light from the SEnd in the north of Ireland and the south of Scotland.
 Variable in the north and east of Scotland; light from the NEnd in Norway and also in the south of France.

WEATHER

Showery at several of our western stations, and rainy at Aberdeen and also at Fæder.
 Fine in most other parts of Western Europe, but dull in the west and south of France.
 Considerable fall of rain was experienced yesterday in many parts of England, Germany, and the Netherlands, the largest amounts being 0.9 in. at Hawke Point and Berlin, 0.8 in. at Brussels, and 0.7 in. at Liverpool and Pembroke.

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over Ireland seems likely to travel in a northeasterly direction, and a continuance of showery weather is probable over the greater part of the United Kingdom.

FORECASTS

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

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 SCOTLAND

NORTH

Light Variable breezes; cloudy, showery

1 SCOTLAND

EAST

2 ENGLAND

N.E.

3 ENGLAND

EAST

4 MIDLAND

COUNTIES

5 ENGLAND

SOUTH

SW^{ly} winds, fresh; fair generally, but local showers.

6 SCOTLAND

WEST

Same as No 0 and 1.

7 ENGLAND

N.W.

S^{ly} to SW^{ly} winds, fresh; changeable, some showers.

8 ENGLAND

S.W.

Same as No 5.

9 IRELAND

NORTH



10 IRELAND

SOUTH

SW^{ly} winds, moderate or 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.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudeenaes ...	29.77	64	60	S	2	cm	4		Holyhead ...	29.70	61	57	SSW	3	o g
Sumburgh Head ...	29.66	60	58	nnw	1	b	3		Valencia ...	29.67	61	55	SSW	5	bcv
Stornoway ...	29.59	59	56	SW	4	o	4		Scilly ...	29.77	61	59	WSW	4	bc
Aberdeen ...	29.65	61	53	S	4	c q	3		Jersey ...	29.78	65	61	WSW	4	bc
Shields ...	29.69	63	56	SE	3	C	2		Dungeness ...	29.72	67	63	SW	5	bc
Ardrossan ...	29.67	61	56	SW	1	bc	1		London ...	29.71	65	62	E	1	o g
Malin Head ...	29.66	61	55	nw	1	bc	1		Yarmouth ...	29.73	61	59	E	4	c p
Mullaghmore ...	29.65	58	54	N	1	c p	2		Rochefort ...	29.89	72	68	nnw	4	bc
Belmullet ...	29.63	63	58	SW	1	b	*								*

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

Weather in morning fine and bright over southeastern and southern Europe with the Mediterranean, cloudy and changeable elsewhere, with rain in many parts of the northern and western countries, thunder at Paris. Rain falling later in considerable quantity in several parts of England, Belgium and Germany, and in small quantity at most of the Irish and Scotch stations. Thunder occurring in some parts of France.

Temperature changing little and irregularly in most places. Rising rather decidedly over the Mediterranean. Morning readings exceeding 80° at Algiers, La Calle, Florence, and Trieste, and exceeding 70° over southern and central Europe generally. Lowest 44° at Bodo, 51° at Archangel, Haparanda, 52° at Malin Head, 55° at Ardrossan and Sumburgh Head, and 56° at Belmullet. Rising to about 70° in some parts of England later, to between 75° and 77° in Sweden, to between 80° and 90° over Germany, and to between 80° and 92° in many parts of France.

Wind variable from between S. and SW. over the northwestern countries generally, S¹ to SE³ over Germany, variable elsewhere; light to moderate in force generally. Becoming strong from S. and SW. at our southwestern and southern stations later. Little change elsewhere.

Barometer highest 30.0 in. and more over the southern half of Spain, the whole of the Mediterranean and southeastern Europe as well as over Central Russia. Lowest about 29.5 in. off our extreme northwest coast, and 29.6 in. over the Gulf of Bothnia. Gradients very irregular but not steep. Inclined to fall in various parts of our islands later as some local disturbances moved northwards towards England and 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).

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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, 3rd July, 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 ...	29.78	50	Z	0	b	29.82	+13	53	47	0	NE	2	b	*	59	39	-
	Hernösand ...	29.79	57	SSW	2	b	29.78	-02	58	54	+1	SSW	4	b	*	77	45	-
	Stockholm ...	29.80	61	SE	2	0	29.77	+03	59	57	-6	E	4	T	*	73	55	0.04
	Wisby ...	29.80	61	NE	4	b	29.80	+04	62	59	-1	NEW	4	b	*	70	57	-
	Bodö ...	29.84	48	WSW	2	b	29.78	-09	56	48	+8	N	2	b	1	?	43	-
	Christiansund	29.69	55	NNE	5	b	29.69	-07	55	52	+2	WSW	4	0	3	59	50	-
	Skudesnaes ...	29.71	58	WNW	4	0	29.77	+09	60	57	-2	SE	4	c	3	63	54	0.24
	Christiania Fjord (Færd)	29.71	64	E	2	0	29.71	-02	64	60	+3	SSW	3	bc	2	66	61	-
	Skagen (The Seaw)	29.71	62	W	4	0	29.78	+07	61	56	-2	W	5	bc	3	?	?	0.08
	Fanö ...	29.82	58	W	5	c	29.86	+17	64	89	+1	SW	4	b	*	64	58	-
BRITISH ISLANDS.	Sumburgh Head	29.64	55	NE	1	f	29.63	-03	57	57	+5	SE	1	b	2	57	50	0.01
	Stornoway ...	29.63	55	E	3	0	29.66	+01	58	54	-2	NE	4	c	4	55	49	0.02
	Wick ...	29.66	57	NE	2	c	29.65	-03	54	53	-1	NE	2	0	1	65	50	-
	Nairn ...	29.60	56	Z	0	r	29.62	-03	54	52	-2	NW	2	0	1	60	52	0.12
	Aberdeen ...	29.64	58	SSE	3	b	29.63	-04	60	54	+4	SSE	2	bc	2	62	52	-
	Leith ...	29.63	64	SSW	4	bc	29.61	-05	55	53	-5	SW	2	0	*	68	51	0.02
	Shields ...	29.69	66	SW	3	c	29.70	-01	58	55	-2	SW	3	c	2	66	50	-
	Spurn Head ...	29.80	64	SSW	4	bc	29.81	+01	59	55	-1	SW	4	b	3	68	52	-
	York ...	29.75	64	SSW	3	0	29.80	-03	58	53	-1	W	3	b	*	66	46	0.04
	Loughborough	29.81	64	SW	3	bc	29.85	+01	57	84	-2	SW	3	c	*	68	50	0.04
GERMANY & HOLLAND.	Ardrossan ...	29.58	58	S	3	0	29.68	+03	57	55	-3	W	3	0	3	61	53	0.11
	Malin Head ...	29.55	57	NW	3	c	29.72	+15	55	53	0	NW	3	op	2	58	52	0.15
	Mullaghmore ...	29.66	55	WNW	5	0	29.76	+23	57	53	+3	W	1	c	1	60	50	0.09
	Belmullet ...	29.69	58	WNW	2	c	29.78	+25	58	57	+1	NW	2	c	*	58	52	0.14
	Donaghadee ...	29.58	64	SW	4	c	29.75	+11	58	55	0	WSW	3	bc	1	66	55	-
	Liverpool (Bidston)	29.73	60	SW	4	c	29.82	+07	58	52	-1	WSW	3	bc	3	67	51	-
	Holyhead ...	29.71	56	SW	5	cm	29.82	+12	59	55	+1	WSW	3	b	2	61	50	0.07
	Parsonstown ...	29.72	55	SW	1	r	29.81	+22	54	53	0	Z	0	0	*	63	49	0.19
	Valencia ...	29.80	61	W	3	bc	29.89	+21	59	57	+3	WNW	2	0	2	61	46	-
	Roche's Point...	29.77	60	WNW	4	bc	29.87	+18	55	51	-2	S	1	bc	3	61	48	0.01
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.80	57	SW	4	b	29.87	+10	57	56	0	WSW	2	bc	2	59	53	0.01
	Scilly ...	29.89	61	WSW	4	bc	29.89	+05	61	58	+1	WSW	4	bc p	5	64	57	0.08
	Prawle Point ...	29.91	58	SW	4	bc	29.91	-00	59	57	+1	WNW	3	bc	2	61	53	0.03
	Jersey (St. Aubin's)	29.98	64	W	3	b	29.96	-02	60	57	-1	SW	3	cm	3	68	56	-
	Hurst Castle ...	29.92	61	WSW	6	b	29.92	-01	60	60	+1	WSW	4	c	3	63	56	0.02
	Dungeness ...	29.92	61	WSW	4	bc	29.91	-03	60	57	0	WSW	5	c	4	64	56	-
	London ...	29.88	64	SSW	2	bc	29.90	-01	63	56	-1	WSW	2	bc	*	70	53	-
	Oxford ...	29.87	59	SW	2	0	29.88	-01	57	54	-1	SW	2	c	*	67	50	0.09
	Cambridge ...	29.84	62	SW	1	b	29.87	-01	62	56	+1	SW	2	b	*	71	52	-
	Yarmouth ...	29.85	68	WSW	3	b	29.87	-00	61	56	0	SW	3	bc	3	69	53	-
PENINSULA.	Cuxhaven ...	29.95	58	WNW	1	b	29.94	+17	60	58	-5	WSW	2	b	*	67	57	-
	Berlin ...	29.94	71	NW	3	bc	29.98	+08	66	60	-5	NW	2	c	*	73	63	-
	Wiesbaden ...	*	*	*	*	*	29.99	+01	66	61	-6	Z	0	b	*	?	55	0.04
	Munich ...	30.04	63	SW	2	r	30.03	-05	68	63	-7	W	2	c	*	82	61	0.43
	The Helder ...	29.93	60	SW	2	b	29.92	+05	61	57	+2	SW	2	bc	3	66	55	-
	Brussels (9 a.m.)	*	*	*	*	*	29.95	-04	62	57	+2	WNW	1	0	*	69	55	0.08
	Cape Gris Nez	29.94	61	SW	3	bc	29.93	-02	58	55	+1	SW	4	c	3	61	55	-
	Paris ...	29.99	68	W	1	b	29.99	?	62	61	+1	SW	2	0	*	75	58	0.51
	Brest ...	?	66	W	3	b	?	?	58	57	-1	WNW	2	0	3	68	55	0.35
	Lorient ...	30.02	63	W	4	b	30.00	+01	60	55	+1	WSW	3	0	4	66	59	-
FRANCE AND BELGIUM.	Rocheport ...	30.00	67	WNW	4	c	30.01	+02	62	58	-4	WNW	3	0	*	73	61	-
	Belfort ...	30.03	68	W	3	bc	30.03	-00	68	64	-4	W	2	bc	*	87	59	0.32
	Lyons ...	29.99	66	N	3	t	30.00	?	66	60	-1	WNW	1	b	*	81	62	0.16
	Nice ...	29.95	73	SW	1	bc	29.91	-07	70	66	-6	SE	1	bc	1	86	66	-
	Perpignan ...	29.95	74	N	2	t	29.95	-03	71	67	0	W	2	0	*	79	67	0.04
	Biarritz ...	30.06	68	N	3	b	30.06	+03	62	60	-4	S	2	0	2	75	59	0.43

for 8 a.m. on Friday, 3rd July, 1891.

EXPLANATION OF MAP

Changes since previous morning are stated in words.

>>> = forces above 10; >> = forces 8 to 10;
 > = forces 6 to 7; > = forces 1 to 4.
 ⊙ = dead calm.

 = Rough, = High.

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

[illegible]

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

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

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)	
	Daily Max.	Daily Min.	at 8 a.m.			
			Dry.	Wet.		
Samburgh Head.....	57·4	48·0	53·1	51·5	2·27	
Stornoway	60·2	48·9	55·5	53·6	3·02	
Wick.....	61·8	48·7	55·8	53·5	2·34	
Nairn	64·3	50·9	56·7	53·3	2·59	
Aberdeen	63·9	50·6	57·5	53·9	2·78	
Leith	66·7	51·2	58·4	54·9	2·85	
Shields	64·1	52·2	58·3	55·0	2·66	
Spurn Head.....	63·1	55·2	59·5	56·8	1·74	
York	68·7	51·9	59·2	55·9	2·70	
Loughborough	71·5	52·6	61·4	57·0	2·34	
Ardrossan	63·5	52·8	57·3	54·6	2·91	
Mullaghmore	62·9	54·0	57·2	54·4	3·72	
Donaghadee.....	63·2	51·8	57·4	55·5	2·82	
Holyhead.....	63·8	54·3	58·1	55·8	2·49	
Liverpool.....	65·9	54·2	59·4	55·6	2·96	
Parsonstown	66·4	51·5	58·1	54·8	2·96	
Valencia	64·0	53·6	58·9	56·4	3·90	
Roche's Point.....	66·1	53·2	58·8	55·9	3·29	
Pembroke.....	62·5	54·8	58·0	56·0	2·54	
Silly	64·4	56·2	60·2	58·1	2·46	
Prawle Point	64·5	53·7	59·6	57·3	2·24	
Jersey	68·3	56·2	62·0	58·9	2·40	
Hurst Castle	67·8	55·5	61·1	58·8	2·24	
Dover	66·8	56·3	61·9	58·4	1·95	
LONDON	72·4	54·0	62·0	57·8	2·38	
Oxford	69·6	53·4	60·0	56·6	2·58	
Cambridge	71·9	52·2	61·3	57·7	2·42	
Yarmouth	65·6	54·9	60·9	57·8	2·85	

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in. and more, over the Bay of Biscay, central France, and south Germany; 29.8 in. and more over Lapland.
Lowest, 29.7 in. and less, over Scotland and off the west of Norway.
Gradients slight. Barometer rising in Ireland, changing little elsewhere.

TEMPERATURE

Highest, 70° to 71° in the south of France, 68° at Brest and Munich, 66° at Berlin, Wiesbaden and Lyons, and 63° in London.
Lowest, 54° at Wick and Narvik, 55° at Christiansund, Stornoway, Leth, and Malin Head.
 London and Cambridge were the only stations at which the thermometer rose to 70° in the shade.

WIND

Light to moderate generally; — very variable in Scotland, NW in Ireland, SW over England and the North Sea and mainly W over France and Germany.

WEATHER

Cloudy or overcast at several of the northern and western stations, showery at Leth; over England and the southeast of France it is fair but not very settled.
 Some showers have fallen at most stations; thunderstorms have occurred over France.

SEA

Rather rough at Leth, moderate at Lorient, Brest, and Stornoway, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over the northwest of Ireland yesterday has reached Scotland, and a very shallow secondary disturbance appears to be approaching the south of England from the westward. The weather though bright and fine during the greater part of the day is still rather showery at times in most districts, and these conditions seem likely to continue. Temperature differs very little from the average for the time of year.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

Varying airs; some showers.

Same as N°5

SW^{ly} to W^{ly} breezes, light or moderate; some showers, but fair as a whole.

DISTRICTS.

FORECASTS.

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

NW^{ly} and N^{ly} breezes, light; some showers.

Same as N°5.

NW^{ly} and W^{ly} breezes, light; fair as a whole.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA	SEA		BAR:	THER:		WIND		WEA	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.68	61	59	WSW	1	f	3		Holyhead ...	29.71	59	SSW	5	bcg	4
Sumburgh Head ...	29.65	55	55	NE	2	m	3		Valencia ...	29.77	60	W	4	cp	4
Stornoway ...	29.62	59	58	NE	3	bc	3		Scilly ...	29.86	61	SW	5	r	6
Aberdeen ...	29.65	62	56	SSW	3	bc	2		Jersey ...	29.98	68	SSW	3	bc	3
Shields ...	29.70	62	57	S	4	c	2		Dungeness ...	29.94	63	SW	4	bc	3
Ardrossan ...	29.61	60	56	S	5	c	3		London ...	29.87	68	SSW	3	bc	*
Mulin Head ...	29.55	54	53	SE	2	c	1		Yarmouth ...	29.87	69	W	4	bc	3
Mullaghmore ...	29.55	58	55	WSW	5	c	4		Rochefort ...	30.00	73	WSW	3	c	*
Belmullet ...	29.64	58	56	W	2	c	*								

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

Weather showery at several of our western stations, and rainy at Aberdeen and Fander, but fair or fine in nearly all other parts of Europe. Dull over the west of France and also in Poland and Eastern Germany. Showers falling later over nearly the whole of the United Kingdom, and thunderstorms with heavy rain occurring at several of the French stations.

Temperature highest 86° at Tunis, 82° at Brindisi, 80° at Oran and La Calle, and 79° at Rénia; above 75° in many parts of southern and eastern Europe, and a little above 70° at some of the central stations. Lowest 44° at Archangel, 48° at Rostov, 51° at Ulmanov, and 52° at Sumburgh Head and Kuopio; below 60° in many parts of the United Kingdom. Daily maxima below 70° over nearly the whole of our Islands, but thermometer exceeding 80° in many parts of France and Germany.

Wind moderate to fresh from the SWrd over Ireland, England, the southern parts of the North Sea, the Netherlands and Germany, but variable in Scotland, and light or moderate from the NErd or Nrd over Scandinavia and northern Russia. Light variable breezes reported over the whole of southern and eastern Europe. Subsequently veering to the Wrd or NWrd in Ireland; light SErd and Erd breezes setting in over Scotland.

Barometer highest 30.1 ins. and upwards, in an anticyclone lying over and to the westward of Portugal; high 30.0 ins. and upwards in many parts of France and southern Europe. Lowest 29.6 ins. and less, in a well marked depression lying over the north of Ireland; 29.7 ins. and less, in a large shallow area lying over northern Russia. Irish depression subsequently moving slowly northwards and barometer rising on our west and southwest 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, 4th July, 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.	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 ...	29.82	53	Z	0	b	29.87	+ 05	58	54	+ 5	SW	2	bc	*	63	44	.	
	Hernösand ...	29.82	60	SW	4	r	29.81	+ 03	62	59	+ 4	SSW	2	c	*	68	45	.	
	Stockholm ...	29.84	67	W	2	bc	29.88	+ 11	68	59	+ 9	SW	2	b	*	72	52	0.08	
	Wisby ...	29.87	62	SEW	4	b	29.92	+ 12	63	57	+ 1	WSW	4	b	*	70	57	.	
	Bodö ...	29.75	55	NNE	2	b	29.80	+ 02	48	47	- 8	W	2	f	1	56	45	.	
	Christiansund	29.76	59	WSW	2	m	29.81	+ 12	53	51	- 2	NNE	3	f	3	59	50	.	
	Skudesnaes ...	29.80	60	S	4	bc	29.80	+ 03	57	55	- 3	S	4	r	4	63	52	0.55	
	Christiania Fjord (Frerder)	29.75	63	SSW	6	b	29.84	+ 13	62	57	- 2	SSW	5	b	3	64	61	.	
	Skagen (The Scaw)	29.71	62	W	4	0	29.78	- 00	61	56	0	W	5	bc	3	?	?	0.08	
	Fanö ...	29.91	55	Z	0	b	29.91	+ 05	58	57	- 6	S	3	c	*	66	54	.	
BRITISH ISLANDS.	Sumburgh Head	29.68	53	Z	0	r	29.72	+ 09	54	53	- 3	NW	1	c	1	62	50	0.14	
	Stornoway ...	29.77	55	NW	4	0	29.83	+ 17	54	53	- 1	NW	3	c	3	55	50	0.02	
	Wick ...	29.73	52	NW	4	0	29.82	+ 17	53	52	- 1	NW	3	0	1	59	50	0.02	
	Nairn ...	29.74	57	Z	0	r	29.81	+ 19	57	55	+ 3	W	2	c	1	61	49	0.32	
	Aberdeen ...	29.72	57	NW	1	0 & p	29.84	+ 21	56	53	- 4	WSW	2	c	1	62	52	0.14	
	Leith ...	29.74	57	W	1	c	29.88	+ 27	57	52	+ 2	WSW	1	c	*	64	50	0.19	
	Shields ...	29.77	63	SW	2	c	29.89	+ 19	58	53	0	W	3	c	2	65	49	.	
	Spurn Head ...	29.81	63	NW	1	b	29.92	+ 11	60	55	+ 1	W	3	bm	3	68	54	.	
	York ...	29.82	64	W	3	b	29.93	+ 13	58	53	0	W	2	b	*	68	45	.	
	Loughborough	29.84	67	WSW	2	c	29.97	+ 12	61	56	+ 4	W	2	bcw	*	72	45	.	
GERMANY & HOLLAND.	Ardrossan ...	29.78	62	W	4	bc	29.93	+ 25	56	54	+ 1	W	3	0	2	63	53	.	
	Malin Head ...	29.82	58	NW	2	b	29.94	+ 22	54	49	- 1	NW	3	op	3	59	52	0.13	
	Mullaghmore ...	29.87	60	NW	4	bc	30.00	+ 24	56	53	- 1	NW	2	0	2	61	50	0.01	
	Belmullet ...	29.88	59	NW	2	bc	30.01	+ 23	56	51	- 2	NW	1	0	*	64	54	0.10	
	Donaghadee ...	29.84	58	NE	3	c	29.97	+ 22	59	56	+ 1	NW	3	b	1	66	55	0.02	
	Liverpool (Bidston)	29.86	59	WNW	1	0	29.98	+ 16	55	53	- 3	W	2	c	2	63	51	0.01	
	Holyhead ...	29.85	57	SW	3	b	29.99	+ 17	57	54	- 2	Z	0	bcw	0	61	50	0.01	
	Parsonstown ...	29.87	57	Z	0	r	30.01	+ 20	57	55	+ 3	Z	0	c	*	63	49	0.55	
	Valencia ...	29.99	58	NW	4	cq	30.07	+ 18	58	54	- 1	WNW	1	0	2	62	54	.	
	Roche's Point...	29.90	62	NW	4	bc	30.04	+ 17	57	54	+ 2	WNW	2	bc	3	63	52	0.20	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.90	57	WSW	2	c	30.01	+ 14	56	55	- 1	WNW	2	c	2	60	54	.	
	Scilly ...	29.98	60	WNW	4	bc	30.07	+ 18	59	57	- 2	NW	4	cp	4	63	56	0.01	
	Prawle Point ...	29.93	58	WNW	3	bc	30.07	+ 16	58	57	- 1	W	2	bc	0	60	52	.	
	Jersey (St. Aubin's)	29.97	60	SW	3	bc	30.10	+ 14	60	57	0	WSW	4	bc	3	64	54	.	
	Hurst Castle ...	29.92	61	WSW	5	bc	30.04	+ 12	60	60	0	W	4	bc	2	64	53	.	
	Dungeness ...	29.90	60	SW	4	b	29.99	+ 08	58	57	- 2	WSW	5	bc	3	64	56	.	
	London ...	29.88	63	SW	2	bc	30.08	+ 10	61	55	- 2	WSW	1	bc	*	69	50	0.32	
	Oxford ...	29.90	57	WSW	1	b	30.00	+ 12	56	54	- 1	SW	2	c	*	69	48	0.07	
	Cambridge ...	29.86	58	SW	1	bc	29.97	+ 10	61	57	- 1	SW	1	b	*	73	47	0.79	
	Yarmouth ...	29.86	66	S	2	bc	29.95	+ 08	61	57	0	NW	2	bc	2	66	51	.	
PENINSULA.	Cuxhaven ...	29.93	60	N	1	c	29.90	- 04	60	59	- 0	NNE	2	r	*	71	59	0.12	
	Berlin ...	29.95	68	SE	2	b	29.91	- 07	62	60	- 4	ESE	3	r	*	75	63	0.04	
	Wiesbaden ...	*	*	*	*	*	30.00	+ 01	64	59	- 2	NW	4	0	*	77	61	0.04	
	Munich ...	29.88	67	NE	2	0	30.03	- 00	60	59	- 8	W	4	0	*	75	59	1.50	
	The Helder ...	29.93	62	SW	1	c	29.94	+ 02	61	59	0	SW	1	bc	1	66	55	.	
	Brussels (9 a.m.)	*	*	*	*	*	30.02	+ 07	57	55	- 5	W	3	0	*	65	50	0.08	
	Cape Gris Nez	29.91	59	SW	4	bc	29.99	+ 06	57	55	- 1	SW	4	0	4	63	54	.	
	Paris ...	29.96	64	SSW	2	b	30.09	+ 10	61	57	- 1	WNW	2	b	*	73	53	.	
	Brest ...	?	63	W	2	bc	?	?	58	57	0	W	2	0	2	64	55	0.24	
	Lorient ...	30.02	62	W	3	b	30.15	+ 15	59	55	- 1	NW	3	b	3	66	57	.	
PENINSULA.	Rocheport ...	29.99	67	NW	4	bc	?	?	64	61	+ 2	Z	0	bc	*	70	59	.	
	Belfort ...	30.05	68	W	2	c	30.05	+ 02	59	59	- 9	WSW	2	0	*	78	54	0.24	
	Lyons ...	29.96	62	N	1	r	30.12	+ 12	56	?	- 10	NW	2	0	*	76	53	?	
	Nice ...	29.87	70	SE	1	c	29.90	- 01	68	68	- 2	Z	0	f	1	79	64	.	
	Perpignan ...	29.99	65	W	4	0	30.12	+ 17	64	57	- 7	W	4	bc	*	79	56	0.87	
	Biarritz ...	30.08	64	SW	2	r	30.20	+ 14	63	59	+ 1	NW	3	bc	2	70	59	0.08	

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, 4th July, 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:

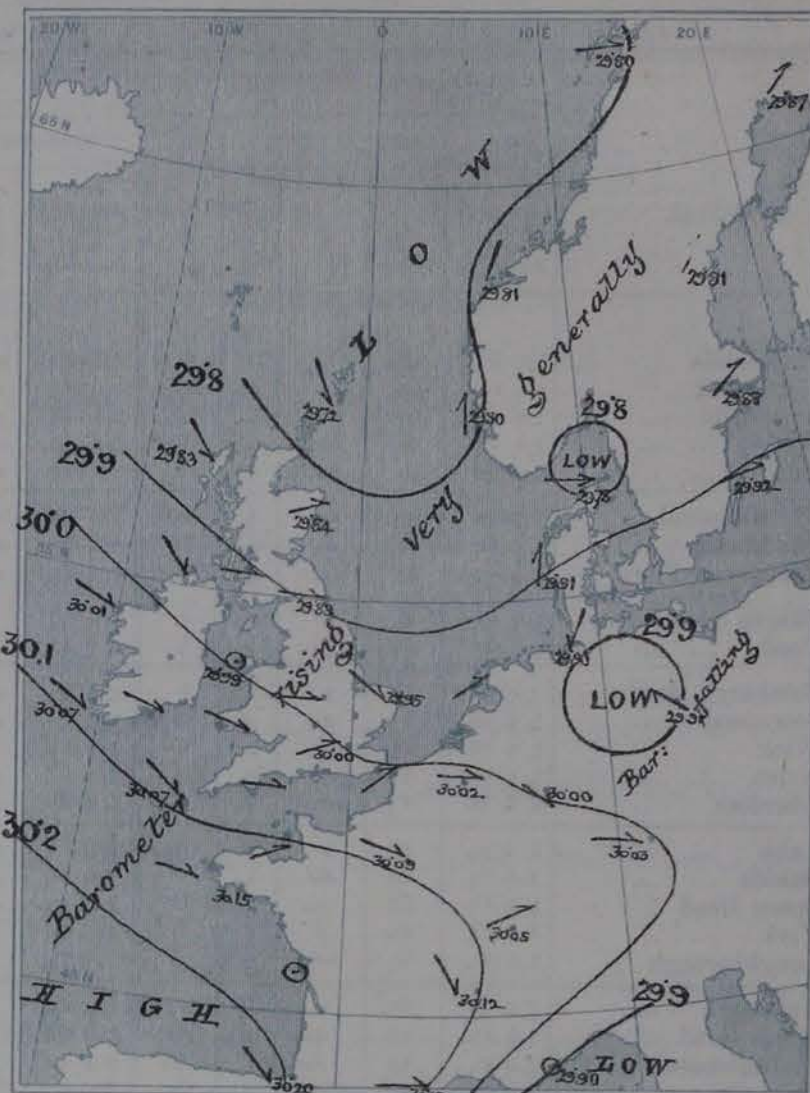
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of July

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.936
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.925
Roche's Point	29.932
Pembroke	29.930
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.920



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick.....	61.8	48.7	55.8	53.5	2.34
Nairn.....	64.3	50.9	56.7	53.3	2.59
Aberdeen.....	63.9	50.6	57.5	53.9	2.78
Leith.....	66.7	51.2	58.4	54.9	2.85
Shields.....	64.1	52.2	58.3	55.0	2.66
Spurn Head.....	65.1	55.2	59.5	56.8	1.74
York.....	68.7	51.0	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.31
Ardrossan.....	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee.....	63.2	51.8	57.4	55.5	2.82
Holyhead.....	63.8	51.3	58.1	55.8	2.40
Liverpool.....	65.9	54.2	59.4	55.6	2.96
Parsonstown.....	66.4	51.5	58.1	54.8	2.96
Valencia.....	64.0	53.6	58.9	56.1	3.90
Roche's Point.....	66.1	53.2	58.8	55.9	3.29
Pembroke.....	62.5	54.8	58.0	56.0	2.54
Scilly.....	64.4	56.2	60.2	58.1	2.46
Prawle Point.....	64.5	53.7	59.5	57.3	2.24
Jersey.....	68.3	56.2	62.0	58.9	2.40
Hurst Castle.....	67.8	55.5	61.1	58.8	2.24
Dover.....	66.8	56.3	61.9	58.1	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford.....	69.5	53.4	60.0	56.6	2.58
Cambridge.....	71.9	52.2	61.3	57.7	2.42
Yarmouth.....	66.6	54.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.2, in: and more to 30.0 in: in an anticyclone spreading from the Atlantic over France and the southern part of our Islands.</p> <p>Lowest, 29.8 in: and less, off our extreme northern coast and off the west of Norway.</p> <p>Gradients slight.</p> <p>Barometer rising generally:—most at Stornoway.</p>
TEMPERATURE	<p>Highest, 68° at Nice and Stockholm, 64° at Lisbon and Wiesbaden, 61° at Paris and in London.</p> <p>Lowest, 48° at Rodez, 53° at Christiansund and Wick, 54° at Linnburgh Hd. and Malin Head.</p> <p>The thermometer did not rise above 70° at our own stations yesterday, except at Loughborough and Cambridge, and did not touch 80° at any of the stations over Western Europe.</p>
WIND	<p>Light to moderate from NW. in Ireland and the north of Scotland, from W. over England, and from SW. in the Straits of Dover. In North Germany it is variable.</p>
WEATHER	<p>Fair in most places, but rainy in North Germany.</p> <p>The rainfall during yesterday was heavy at Munich and also at Cambridge, and considerable in London, at Aberdeen and Bournemouth. Thunderstorms occurred at Aberdeen, Leith, Cambridge and Lyon.</p>
SEA	<p>Moderate at Scilly and Cape Gris Nez, slight or smooth elsewhere.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

During the past 24 hours the barometer has been rising over the whole of western Europe, and readings have become more uniform than of late. Temperature has not changed much; the wind has veered to the W. or NW., and the weather, after being very showery in many places, with thunder in the northeast and east, has begun to improve.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW ^{ly} and W ^{ly} breezes, light; slight showers, bright intervals.	6 SCOTLAND WEST	Same as No 0 to 2.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	
3 ENGLAND EAST	W ^{ly} breezes, moderate or light; fair generally, but possibly a local shower or two.	9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH			
		WARNINGS	NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.78	62.	59	SSZ	6	C	4		Holyhead ...	29.84	59	SS	8	C	2
Sumburgh Head ...	29.66	56	54	S	1	0	2		Valencia ...	29.96	62	SS	3	CV	3
Stornoway ...	29.74	55	53	N	3	0	3		Scilly ...	29.92	62	SS	4	CV	4
Aberdeen ...	29.67	55	52	W	2	C	2		Jersey ...	29.97	61	SS	3	0	3
Shields ...	29.73	62	54	SW	3	C	2		Dungeness ...	29.94	64	SS	5	6	3
Ardrossan ...	29.73	60	57	W	4	6	3		London ...	29.89	62	SS	2	C	*
Malin Head ...	29.79	58	55	W	3	6	2		Yarmouth ...	29.86	64	SS	5	6	3
Mullaghmore ...	29.82	61	57	W	3	6	2		Rochefort ...	29.99	69	SS	3	0	*
Belmullet ...	29.84	60	58	W	2	C	*								

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

Weather in morning fine and bright over southeastern and southern Europe, and locally in Sweden, Denmark, Holland and the eastern half of England, very variable elsewhere, cloudy at many western stations, showery at Lally. Thunderstorms in several parts of France and Great Britain later, rainfall heavy in some localities, slight in others; no rain in the north of England nor along our south coast.

Temperature falling over central and southern Europe, changing irregularly elsewhere. Morning readings exceeding 80° at Algiers, Brindisi and Malta, and exceeding 70° at the Mediterranean stations generally and Constantinople; below 60° over the greater part of our Island and Scandinavia, and as low as 46° at Archangel, 53° at Haparanda, 54° at Umeå and Nain, 55° at Stornoway, Malin H. and Rockport. Falling to reach 70° over the greater part of our Islands during day, and not touching 80° at any of the German and French stations.

Wind light to moderate over the British Isles and their neighbourhood as well as in Portugal, light elsewhere. Mainly NW in Ireland, W and SW over England, the Netherlands and Denmark, and also in the north of France, N in Portugal, variable elsewhere. The NW wind in Ireland spreading to Scotland later.

Barometer highest 30.1 ins. to 29.9 ins. in a high pressure system stretching in from the Atlantic over Spain, France, Germany and the Mediterranean. Lowest 29.7 ins. and less, in a complex depression over Scotland and off the west of Norway, as well as in a larger and more shallow disturbance over the northern half of Russia. Gradients slight and variable. Rising over the United Kingdom later, but shallow local disturbances appearing in various places.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.
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 Sunday 5th July 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.			Reading	Difference	Dry.	Wet.	Difference	Dir.	Force.			Weather.	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.										of Rainfall.	
SCANDINAVIA.	Haparanda ...	29.75	61	Z	0	c	29.67	- .20	54	53	- 4	SW	2	0	*	72	41	-	
	Hernösand ...	29.76	57	SSE	4	f	29.64	- .17	59	57	- 3	SSW	2	0	*	72	50	-	
	Stockholm ...	29.84	64	SW	2	b	29.78	- .06	62	57	- 5	W	2	0	*	75	55	-	
	Wisby ...	29.87	62	SW	4	b	29.85	- .02	60	59	- 1	WSW	4	0	*	68	57	0.04	
	Bodö ...	29.71	51	WSW	1	b	29.68	- .03	51	48	+ 3	Z	0	0	0	54	46	-	
	Christiansund	29.79	53	WSW	2	r	29.76	- .03	54	50	+ 4	NE	2	f	2	61	52	0.51	
	Skudesnaes ...	29.83	57	WSW	2	r	29.85	+ .02	58	55	+ 3	W	2	0	3	61	54	0.20	
	Christiania Fjord (Færdø)	29.81	62	SSW	5	b	29.78	- .03	60	55	- 5	SW	5	b	4	63	59	-	
	Skagen (The Scaw)	29.85	58	W	1	bc	29.86	+ .01	60	56	- 4	WNW	3	b	2	64	52	-	
	Fanö ...	29.92	58	WSW	3	c	29.98	+ .06	61	60	+ 1	W	4	b	*	64	57	-	
BRITISH ISLANDS.	Sumburgh Head	29.77	53	WNW	1	0	29.82	+ .05	51	51	- 3	W	2	f	2	57	50	-	
	Stornoway ...	29.90	55	NW	3	0	29.84	- .06	54	52	- 2	SE	3	f	3	57	47	-	
	Wick ...	29.90	54	NW	3	0	29.87	- .03	57	56	- 1	Z	0	bc	1	57	50	-	
	Nairn ...	29.85	59	W	1	0	29.85	+ .00	56	53	- 3	Z	0	cp	0	61	50	0.08	
	Aberdeen ...	29.91	56	SSW	1	0	29.90	- .01	54	52	- 2	ESE	1	cp	1	64	52	0.44	
	Leith ...	29.92	62	W	3	b	29.88	- .04	58	53	+ 5	W	1	c	*	68	50	-	
	Shields ...	29.93	59	NW	2	c	29.92	- .01	62	55	+ 7	SW	2	c	2	64	50	0.03	
	Spurn Head ...	29.95	61	Z	0	b	29.95	+ .00	62	58	+ 4	SSE	3	b	2	67	56	-	
	York ...	29.96	65	WSW	1	b	29.93	- .03	59	55	+ 4	SE	1	c	*	68	45	0.04	
	Loughborough	29.99	66	WNW	2	bc	29.96	- .03	59	55	- 4	SSW	2	c	*	70	48	0.03	
BRITISH ISLANDS.	Ardrossan ...	29.94	60	W	3	b	29.84	- .10	60	57	+ 3	SE	1	c	1	63	50	0.01	
	Malin Head ...	29.92	58	NW	1	c	29.76	- .16	55	53	+ 2	SSE	3	og	1	60	50	0.01	
	Mullaghmore ...	29.97	58	WNW	1	c	29.73	- .24	55	53	- 2	SE	4	of	2	59	54	-	
	Belmullet ...	29.95	61	W	1	0	29.69	- .26	56	55	- 1	SSE	2	0	*	62	54	0.02	
	Donaghadee ...	29.98	58	E	1	bc	29.86	- .12	55	54	- 1	S	3	0	1	64	54	-	
	Liverpool (Bidston)	30.00	63	WNW	1	b	29.89	- .11	56	52	+ 4	SSE	2	p	3	64	51	-	
	Holyhead ...	30.02	58	SW	1	b	29.84	- .18	56	53	- 3	SSE	3	og	2	65	53	-	
	Parsonstown ...	29.96	63	Z	0	c	29.68	- .28	57	55	- 2	Z	0	0	*	66	53	0.02	
	Valencia ...	29.95	58	SSE	5	0	29.67	- .28	59	58	+ 1	WSW	4	om	5	62	53	0.21	
	Roche's Point...	30.02	57	SW	2	c	29.71	- .31	57	56	- 1	SW	3	r	4	62	51	0.55	
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	30.04	57	WSW	3	bc	29.77	- .27	55	55	- 1	SE	5	rmg	4	61	53	0.42	
	Scilly ...	30.09	61	SW	3	bc	29.85	- .24	59	59	- 1	SW	4	m	6	64	57	0.06	
	Prawle Point ...	30.09	58	W	3	b	29.93	- .16	55	55	- 1	S	5	fw	4	61	53	0.03	
	Jersey (St. Aubin's)	30.13	62	W	4	bc	30.05	- .08	60	58	- 2	S	4	omp	3	63	49	0.02	
	Hurst Castle ...	30.06	62	WSW	6	bc	30.02	- .04	57	57	- 1	SW	6	cp	3	64	56	0.02	
	Dungeness ...	30.03	62	W	5	bc	30.03	+ .00	59	56	+ 3	WSW	5	bc	3	64	56	-	
	London ...	30.00	64	SW	2	c	30.03	+ .03	62	57	+ 5	SSW	2	c	*	70	50	-	
	Oxford ...	30.02	60	W	2	bc	30.00	- .02	54	53	- 1	S	3	r	*	68	50	0.01	
	Cambridge ...	30.01	62	NW	1	bc	30.00	- .01	62	57	+ 5	SW	2	bcu	*	72	49	-	
	Yarmouth ...	29.98	63	ESE	2	bc	29.99	+ .01	64	59	+ 5	SW	3	b	2	64	54	0.08	
GERMANY & HOLLAND.	Cuxhaven ...	29.96	61	NW	1	b	30.01	+ .05	63	62	+ 1	W	2	m	*	65	60	0.38	
	Berlin ...	29.94	63	Z	0	c	30.02	+ .08	62	58	- 4	NW	4	c	*	66	57	0.35	
	Wiesbaden ...	*	*	*	*	*	30.10	+ .10	63	58	- 5	WSW	1	c	*	70	57	-	
	Munich ...	30.10	52	SW	4	r	30.13	+ .03	50	50	- 10	W	5	r	*	64	48	2.12	
	The Helder ...	30.03	60	WSW	1	c	30.03	+ .00	60	58	- 2	SSW	1	bc	1	64	55	-	
	Brussels (9 a.m.)	*	*	*	*	*	30.10	+ .08	57	55	- 2	SSW	3	b	*	70	50	0.04	
	Cape Gris Nez	30.02	59	SW	5	b	30.04	+ .02	57	55	- 2	WSW	4	bc	4	61	54	-	
	Paris ...	30.10	69	WNW	2	bc	30.15	+ .05	58	56	- 2	?	1	c	*	73	57	-	
	Brest ...	?	65	WNW	2	bc	?	?	59	59	+ 1	SW	5	r	5	70	55	0.08	
	Lorient ...	30.17	64	W	4	bc	30.08	- .09	59	56	- 3	SSW	4	0	4	66	57	-	
FRANCE AND BELGIUM.	Rochefort ...	30.19	66	WNW	4	b	30.13	- .06	63	62	- 1	SW	4	0	2	70	59	-	
	Belfort ...	30.12	58	WSW	1	bc	30.12	+ .00	60	57	+ 3	WSW	2	c	*	63	54	-	
	Lyons ...	30.15	57	ENE	1	0	30.18	+ .03	60	55	+ 5	NNW	1	b	*	69	52	0.08	
	Nice ...	29.78	73	SW	4	b	29.97	+ .19	66	58	- 8	E	1	b	2	77	59	0.51	
	Perpignan ...	30.12	72	NW	4	b	30.19	+ .07	60	60	+ 1	NW	2	b	*	75	59	-	
	Biarritz ...	30.24	68	NNE	3	b	30.20	- .04	60	57	- 3	SW	2	b	2	72	58	-	
	Corunna ...	*	*	*	*	*	30.18	- .07	68	67	- 1	NW	4	0	2	72	61	-	
	Lisbon ...	30.15	66	NNE	2	r	30.21	+ .06	69	58	+ 1	NNE	5	b	3	77	63	-	
	Peninsula																		
	Peninsula																		

WEATHER CHARTS

for 8 a.m. on Sunday, 5th July, 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.

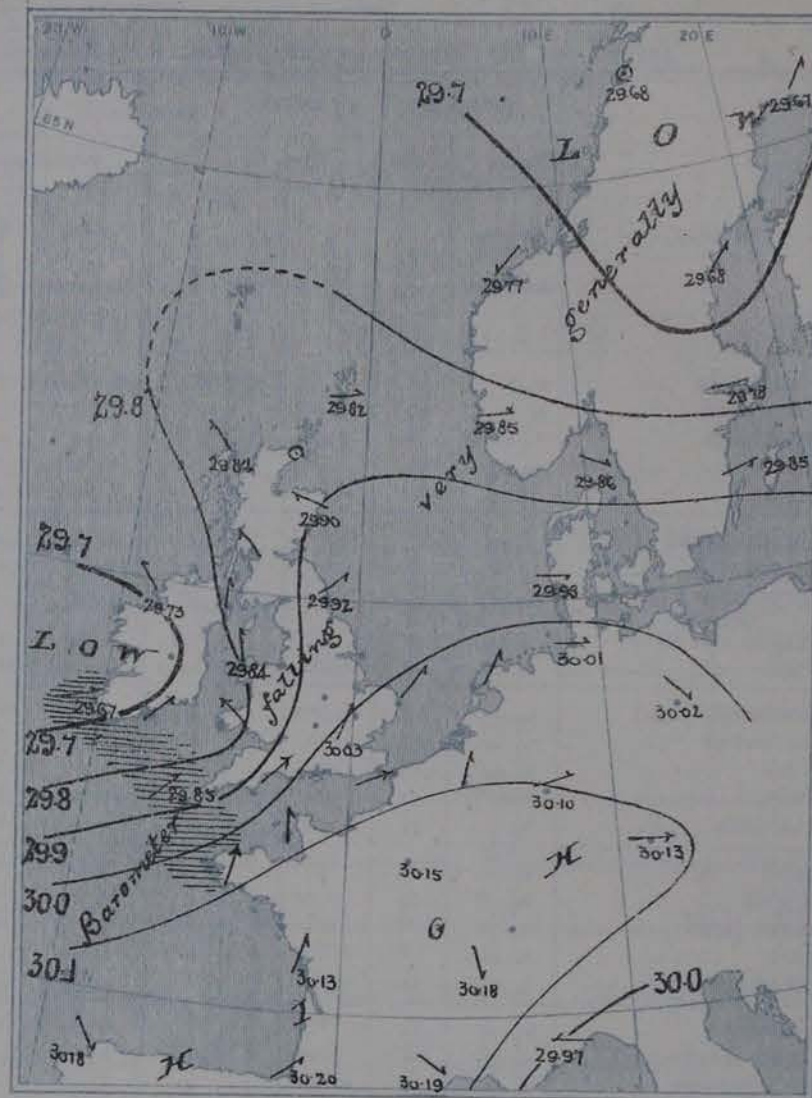
SEA DISTURBANCE—Where considerable, is shown thus:

▨ = Rough, ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.785
Wick	29.800
Nairn	29.815
Aberdeen	29.820
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.935
Mullaghmore	29.959
Donaghadee	29.977
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by letters of the Beaufort Scale.

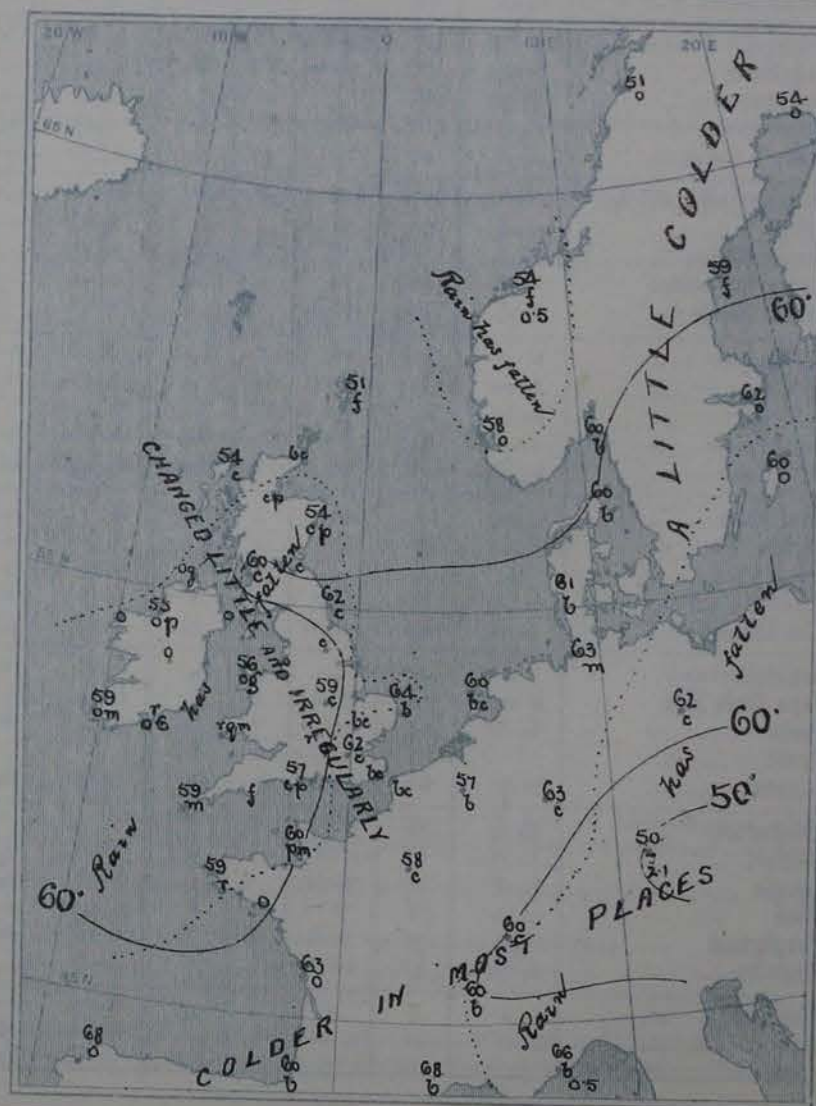
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Daily Mean.	Daily Wet.	
Sumburgh Head	57.4	48.0	53.2	51.5	2.27
Stornoway	56.2	48.9	52.5	51.6	3.02
Wick	61.8	48.7	55.8	53.5	2.31
Nairn	64.3	50.9	57.7	55.3	2.59
Aberdeen	66.9	50.6	57.5	55.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	56.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.0	2.70
Loughborough	71.5	52.6	61.4	57.0	2.34
Ardrossan	63.5	52.8	57.3	54.0	2.91
Mullaghmore	62.9	51.0	57.2	54.4	3.72
Donaghadee	63.2	51.5	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	51.2	59.4	55.0	2.98
Parsonstown	65.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.9	58.3	55.0	3.29
Pembroke	62.5	51.8	58.0	56.0	2.54
Scilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.21
Jersey	68.3	60.2	62.0	58.0	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.24
Dover	66.8	56.3	61.0	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.0	53.4	60.0	56.6	2.68
Cambridge	71.0	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.0	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. and more over Spain; 30.1 in. and more to 30.0 in. over France, Germany, and the southeast of England.
 Lowest, 29.7 in. and less, over the west of Ireland and adjacent parts of Atlantic, also over the northern part of Scandinavia.
 Gradients moderate over and off our southwestern coasts and Brittany, slight elsewhere.
 Barometer unsteady - falling decidedly in Ireland.

TEMPERATURE

Highest, 69° at Lisbon, 68° at Perpignan, 63° at Brest, 62° at Berlin, London and Spain 11th.
 Lowest, (1) 50° at Munich, (2) 51° at Sumburgh H^o, 54° at Stornoway, Aberdeen, and Oxford.
 The daily maxima recorded yesterday exceeded 70° over our Eastern and some of the midland counties yesterday.

WIND

Very variable. Mainly SE³ and light at our northern stations - (calm at Wick and Mann). S³ to SW³ over England, and fresh at the southern stations; SW², fresh to moderate on our southwestern coasts and in the west of France.

WEATHER

Dull and foggy over Scandinavia; fine and bright over the North Sea, the east of England, and southern parts of France; cloudy and unsettled elsewhere, with rain at many of our southern, western and northern stations.
 Very heavy rain is reported from Munich.

SEA

Rather rough in the southwest, slight in the south and north, smooth in the east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 6th July 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.		
Skudesnaes ...	29.84	61	56	S	2	c	4		Holyhead ...	30.02	62	56	NNW	1	b
Sumburgh Head ...	29.76	55	55	NNW	1	o	2		Valencia ...	30.03	61	52	SSW	3	ov
Stornoway ...	29.88	56	54	NNW	3	o	3		Scilly ...	30.11	63	59	WSW	4	c
Aberdeen ...	29.88	60	57	SE	2	cut	1		Jersey ...	30.14	63	58	NNW	4	bc
Shields ...	29.93	58	53	Z	0	c	2		Dungeness ...	30.03	64	60	W	5	bc
Ardrossan ...	29.95	61	55	W	3	c	2		London ...	30.00	67	60	WSW	2	c
Malin Head ...	29.98	58	52	NNW	2	c	2		Yarmouth ...	29.98	62	59	SSE	3	bc
Mullaghmore ...	30.01	59	54	W	2	bc	2		Rochefort ...						
Belmullet ...	30.00	60	55	NNW	2	c	*								

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

Weather fair or fine over the greater part of Europe, but dull at many of the German and Baltic stations, with rain at Helsingfors, Copenhagen, Berlin and Cuxhaven. Fog reported in the west of Norway. Showers falling during day in many parts of our Islands and France; heavy rain occurring at Munich, and a thunderstorm reported at Monaco.

Temperature highest 85° at Trieste, 82° at Florence, 81° at Naples and Brin, and 80° at Cagliari, above 70° over the whole of Italy, the Mediterranean and eastern Europe, but below 60° over central Spain. Lowest 45° at Archangel, 48° at Bodo, 53° at Christiansund and Wick, and 54° at Sumburgh Head and Stornoway; below 60° in most parts of the United Kingdom and also over central France. Subsequently rising to 70° or a little more over the inland parts of England and France, to 80° or more in Spain and to 90° or more at several of the Italian and Algerian stations.

Wind light from the Wnd or NWnd over our Islands and the north of France and from the SWnd or Snd over Scandinavia, Denmark and the Baltic. Variable over Russia, Italy and the greater part of central Europe; NE² in Spain; SE² or S² in Algeria. Subsequently backing to the SWnd at many of the English stations and to the SEnd in the south of Ireland.

Barometer highest 30.2 ins. and upwards in an anticyclone lying over the Bay of Biscay and the north of Spain; 30.0 ins. and upwards in another system lying over Russia. Lowest 29.8 ins. and less in a large area lying to the northward of our Islands and the westward of Norway; 29.9 ins. and less in another large system over Austria and also in a small disturbance over North Germany. New depression approaching the southwest of our Islands later and barometer falling rather briskly in the south of Ireland; no important change elsewhere.

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, 6th July, 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 ...	29.50	58	Z	0	0	29.56	- .11	59	54	+ .5	N	4	bc	*	63	52	0.28
	Hernösand ...	29.61	58	SW	6	6	29.70	+ .06	57	50	- .7	NNW	6	c	*	77	54	-
	Stockholm ...	29.76	64	N	4	6	29.79	+ .01	64	58	+ .2	N	2	6	*	72	52	-
	Wisby ...	29.84	64	WSW	4	6	29.86	+ .01	60	57	0	N	4	6	*	72	57	-
	Bodö ...	29.71	49	WSW	2	0	29.82	+ .14	48	47	- .3	WSW	1	f	1	54	46	-
	Christiansund	29.82	54	NNW	2	bc	29.86	+ .10	55	52	+ .1	NNW	1	bc	0	57	54	0.04
	Skudesnaes ...	29.88	58	WSW	2	c	29.80	- .05	59	54	+ .1	SE	4	c	2	63	57	-
	Christiania Fjord (Færder)	29.79	64	WSW	4	6	29.81	+ .03	62	55	+ .2	?	3	c	3	64	60	-
	Skagen (The Scaw)	29.88	58	N	2	bc	29.86	- .00	59	56	- .1	SW	1	6	1	66	50	-
	Fanö ...	?	54	SW	1	6	29.85	- .13	64	58	+ .3	S	4	c	*	66	54	-
BRITISH ISLANDS.	Sumburgh Head	29.82	53	S	1	c	29.67	- .15	55	54	+ .4	ESE	3	0	4	57	46	0.01
	Stornoway ...	29.72	56	NE	3	6	29.48	- .24	54	54	0	SE	3	r	3	58	51	0.30
	Wick ...	29.83	55	SE	3	c	29.56	- .27	53	53	- .4	S	2	r	1	60	51	0.03
	Nairn ...	29.70	60	Z	0	c	29.50	- .20	56	55	0	E	1	r	1	60	54	0.07
	Aberdeen ...	29.81	55	SE	2	c	29.54	- .27	56	55	+ .2	SSE	2	ogm	2	58	53	0.10
	Leith ...	29.73	57	SSE	1	0	29.57	- .16	58	55	0	N	2	c	*	64	55	0.22
	Shields ...	29.75	61	S	2	0	29.61	- .14	62	57	0	S	3	c	2	64	52	-
	Spurn Head ...	29.81	58	S	5	r	29.71	- .10	64	59	+ .2	SW	4	c	3	68	57	0.02
	York ...	29.78	58	S	2	r	29.68	- .10	61	59	+ .2	S	1	0	*	66	54	0.07
	Loughborough	29.81	59	S	2	0	29.74	- .07	61	58	+ .2	SSW	3	cu	*	62	57	0.16
BRITISH ISLANDS.	Ardrossan ...	29.68	58	E	2	d	29.57	- .11	57	55	- .3	S	3	bc	2	62	54	0.07
	Malin Head ...	29.63	55	SE	3	or	29.52	- .11	56	51	+ .1	SSE	3	bc	1	54	50	0.02
	Mullaghmore ...	29.62	61	Z	0	0	29.50	- .12	55	50	0	SSE	4	op	2	61	47	0.02
	Belmullet ...	29.62	59	N	4	0	29.46	- .16	54	53	- .2	SW	3	p	*	63	53	0.20
	Donaghadee ...	29.64	54	S	2	f	29.59	- .05	56	54	+ .1	SSE	2	0	0	58	53	0.02
	Liverpool (Bidston)	29.70	60	S	2	0	29.64	- .06	58	57	+ .2	SSE	2	r	3	61	56	0.09
	Holyhead ...	29.68	57	SSW	3	mg	29.62	- .06	56	55	0	SSW	4	gm	3	59	54	0.12
	Parsonstown ...	29.69	62	Z	0	c	29.56	- .13	58	53	+ .1	Z	0	bc	*	66	53	-
	Valencia ...	29.77	59	WSW	3	gm	29.64	- .13	59	55	0	SW	7	cm	6	61	53	0.01
	Roche's Point...	29.76	62	N	5	bc	29.69	- .07	57	52	0	N	4	bc	4	66	54	0.06
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.77	57	SW	5	0	29.68	- .09	56	56	+ .1	WSW	4	cpf	5	58	54	0.12
	Scilly ...	29.90	60	SW	4	m	29.81	- .09	59	59	0	SW	5	m	5	62	58	0.05
	Prawle Point ...	29.90	57	N	4	m	29.81	- .09	58	58	+ .3	N	4	r	3	58	54	0.22
	Jersey (St. Aubin's)	29.99	62	WSW	3	cp gm	29.93	- .06	61	60	+ .1	SSW	4	opm	3	64	57	0.13
	Hurst Castle ...	29.90	59	SW	7	m	29.82	- .08	59	59	+ .2	SW	7	omr	5	59	56	0.32
	Dungeness ...	29.96	58	SW	4	r	29.86	- .10	58	58	- .1	SW	5	bc	4	65	56	0.04
	London ...	29.88	61	S	5	0	29.82	- .06	59	58	- .3	S	2	up	*	65	58	0.03
	Oxford ...	29.84	60	SSW	4	r	29.77	- .07	60	58	+ .6	S	3	0	*	61	53	0.43
	Cambridge ...	29.84	62	S	1	r	29.78	- .06	61	59	- .1	S	1	0	*	64	57	0.05
	Yarmouth ...	29.93	62	SSW	5	c	29.79	- .14	63	60	- .1	WSW	3	c	3	66	59	-
GERMANY & HOLLAND.	Cuxhaven ...	30.01	60	SW	1	r	29.95	- .06	61	60	- .2	S	2	6	*	69	56	0.04
	Berlin ...	30.02	69	NW	2	c	29.98	- .04	69	62	+ .7	N	2	c	*	75	62	-
	Wiesbaden ...	*	*	*	*	*	30.03	- .07	62	58	- .1	SE	1	0	*	73	55	-
	Munich ...	30.17	52	SW	4	r	30.13	- .04	59	55	+ .9	SW	4	6	*	59	50	0.16
	The Helder ...	29.99	59	SSW	1	c	29.84	- .15	60	59	0	SW	2	0	3	64	57	0.04
	Brussels (9 a.m.)	*	*	*	*	*	29.93	- .17	61	59	+ .4	SSW	3	0	*	69	57	0.04
	Cape Gris Nez	29.97	59	SW	4	r	29.88	- .09	57	56	0	SW	5	f	5	64	54	0.04
	Paris ...	30.08	66	SW	3	0	30.02	- .13	64	61	+ .6	SSW	3	0	*	72	58	-
	Brest ...	?	62	N	2	0	?	?	60	60	+ .1	NNW	3	m	5	64	57	0.08
	Lorient ...	30.06	63	N	3	m	30.01	- .07	62	60	+ .3	WSW	4	0	5	66	57	0.04
FRANCE AND BELGIUM.	Rochefort ...	30.09	64	WSW	4	r	30.06	- .07	65	63	+ .2	SSW	4	r	*	68	63	0.16
	Belfort ...	30.12	59	WSW	2	c	30.09	- .03	63	59	+ .3	WSW	2	c	*	69	55	-
	Lyons ...	30.12	68	NNE	1	c	30.13	- .05	67	59	+ .7	SE	1	bc	*	72	59	-
	Nice ...	29.96	68	S	2	6	29.99	+ .02	66	59	0	E	1	bc	2	75	57	-
	Perpignan ...	30.12	78	N	2	0	30.15	- .04	70	64	+ .2	NW	2	bc	*	?	?	-
	Biarritz ...	30.23	67	N	4	c	30.21	+ .01	64	62	+ .4	NNW	3	0	2	75	60	0.04
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	30.15	73	N	6	6	30.13	- .08	74	65	+ .5	NNE	3	6	2	82	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, 6th July, 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

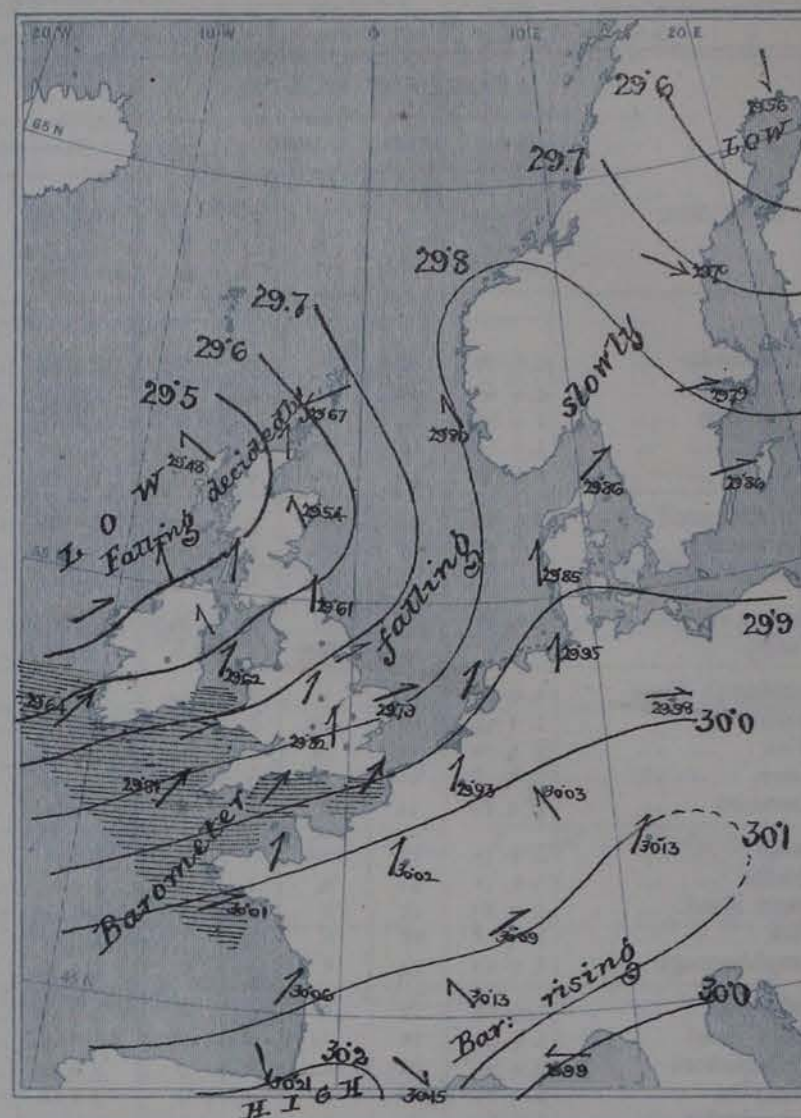
at 8.0 a.m. for the month of July

During the 20 Years: 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.817
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.923
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.982
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.937
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.8	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	54.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	61.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	61.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.84
Ardrossan	63.5	52.8	57.3	54.0	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.9	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.0	3.20
Pembroke	62.5	54.8	58.7	56.0	2.54
Scilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	54.8	2.24
Dover	66.8	56.3	61.9	58.1	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.0	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.2 ins: and more to 30.0 ins: over Spain and the greater part of France.</p> <p>Lowest, 29.5 ins: and less, off the west of Scotland; 29.6 ins: and less, at Naparanda.</p> <p>Gradients moderate. Barometer falling except in the southern parts of France.</p>
TEMPERATURE	<p>Highest, 70° at Perpignan, 69° at Berlin, 67° at Lyons, 66° at Nice, 64° at Bari and Stockholm.</p> <p>Lowest, 53° at Niek, 54° at Stornoway and Wilmullet, 56° at Aberdeen and Malin H^{ts}, 59° in London.</p> <p>It did not rise to 70° at any of our own stations yesterday.</p>
WIND	<p>Light E^{ly} at Lumburgh H^d, light S^{ly} and SE^{ly} in Scotland, moderate S^{ly} over the northern parts of England and Ireland, fresh to a gale from SW. on our southern and southwestern coasts.</p> <p>In the southwest and south of France it is variable.</p>
WEATHER	<p>Cloudy and unsettled over the United Kingdom generally, with showers in several places; clear in the southern parts of France and the south of Sweden.</p> <p>Rain has fallen very generally over the United Kingdom and north and west of France—most at Oxford and Hunt Cotes.</p>
SEA	<p>Rough at Valencia Island, rather so over the Bay of Biscay and Channel, slight on our northwestern coasts smooth in the northeast.</p>
PROBABLE CHANGES IN SYSTEM NOW PREVALENT	

Showery unsettled weather seems likely to continue.

FORECASTS

For the 24 hours ending at NOON on 7th JULY 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	S ^{ly} and SW ^{ly} winds; changeable; rain at times	6 SCOTLAND WEST	S ^{ly} and SW ^{ly} winds, fresh; showery.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	SW ^{ly} breezes, moderate; showery, bright intervals.	8 ENGLAND S.W.	Same as No 5.
3 ENGLAND EAST		9 IRELAND NORTH	S ^{ly} and SW ^{ly} winds, strong in west, moderate in east; showery.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH	SW ^{ly} winds, fresh or strong; 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 ...	29.89	63	57	W	4	c	2	Holyhead ...	...	29.70	58	58	S	4	am	3
Sumburgh Head								Valencia ...	...						
Stornoway ...	29.80	56	54	E	3	0	3	Scilly ...	...						
Aberdeen ...								Jersey ...	...	29.99	63	60	SSZ	3	0	3
Shields ...								Dungeness ...	...	80.01	65	60	SW	4	bc	3
Ardrossan ...								London ...	...							*
Malin Head ...	29.66	58	54	SE	4	0	2	Yarmouth ...	...						
Mullaghmore ...								Rocheport ...	...	30.11	67	61	WNW	4	0	2
Belmullet ...	29.63	61	60	SW	1	0	*									

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

Weather rainy at several of our western stations as well as in many parts of Germany, and showery in Scotland. Fair or fine in most other parts of Europe, but dull in Austria and the west of France, and foggy at some of the Scandinavian stations. Rain extending later to nearly all parts of western Europe; amounts rather large at some of the English stations.

Temperature highest 83° at Brindisi, 80° at Trieste and Constantinople, 79° at Odessa, and 78° at Lesina, above 70° over nearly the whole of southern and eastern Europe and the Mediterranean. Lowest 51° at Archangel, Rodo and Sumburgh Head, and 54° at Christiania, Stornoway, Aberdeen and Le Mans, below 60° in all but the eastern parts of the United Kingdom as well as over Norway and the central parts of France and Germany. Daily maxima very little above 65° in any part of the United Kingdom, but thermometer rising to between 70° and 75° at several of the French and German stations.

Wind moderate to fresh from the SWnd over the Bay of Biscay and the south coast of our Islands, but light from the SEnd in the northern part of the United Kingdom. Moderate from W. in Denmark and the south of Scandinavia, and from NW. at most of the German stations. Light from the Snd in Russia, variable in Italy, NEnd or End in Spain, Nnd in Algeria. No important change occurring later.

Barometer highest 30.2 ins. and upwards in an anticyclone lying over Spain, 30.1 ins. and less in another system lying over Russia. Lowest 29.7 ins. and less in a well marked depression over Ireland, and also in a shallow disturbance over the northern part of Scandinavia, 29.9 ins. and less in another shallow system over Austria. Irish depression subsequently moving slowly northeastwards and barometer rising on our southwest coast.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 28th JUNE TO 4th JULY 1891.

In the course of the past week the weather has been very showery and unsettled over all the western and northern parts of the Kingdom, but finer in the east. Occasionally, however, the rain has spread to our eastern and southeastern stations, and thunderstorms have occurred in most districts.

These rainy conditions were due mainly to well-marked depressions which reached our western shores from the Atlantic, and subsequently moved away in a northerly direction, while their shallow secondary systems passed over England, France and the North Sea. Thursday, however, brought a rather important change - the disturbance which then reached Ireland travelling NEnd to Scotland, and being succeeded by a rising barometer and NWnd current of wind which subsequently spread to nearly all districts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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 7th July* 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 5.)	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 ...	29.82	55	E	2	b	29.95	+ .39	55	49	- 4	E	2	bc	*	66	52	-	
	Hernösand ...	29.83	59	NW	2	c	29.86	+ .16	60	56	+ 3	Z	0	c	*	73	57	0.04	
	Stockholm ...	29.79	66	Z	0	bc	29.78	- .01	69	60	+ 5	Z	0	c	*	75	57	-	
	Wisby ...	29.84	61	SSW	4	b	29.77	- .09	67	60	+ 7	SSE	4	b	*	70	57	-	
	Bodö ...	29.87	50	N	1	c	29.81	- .01	58	52	+ 10	NE	1	b	1	?	46	-	
	Christiansund	29.71	57	NE	6	b	29.62	- .24	62	56	+ 7	SSE	1	bc	1	63	54	-	
	Skudesnaes ...	29.61	59	SSE	4	o	29.50	- .30	63	60	+ 4	ESE	2	c	2	63	59	-	
	Christiania Fjord (Færder)	29.76	62	SE	1	o	29.66	- .15	63	59	+ 1	SE	5	o	3	64	?	-	
	Skagen (The Scaw)	29.70	64	S	1	o	29.60	- .26	62	60	+ 3	SSE	5	r	3	66	57	0.08	
	Fanö ...	29.67	55	S	1	b	29.56	- .29	60	59	- 4	SW	3	c	*	66	54	0.24	
BRITISH ISLANDS.	Sumburgh Head	29.49	54	ENE	3	r	29.46	- .21	55	55	0	ENE	3	o	6	57	51	0.06	
	Stornoway ...	29.48	58	N	3	bc	29.43	- .05	54	54	0	NE	3	r	3	59	49	0.03	
	Wick ...	29.43	56	E	1	f	29.39	- .17	53	53	0	NW	1	r	0	57	50	0.60	
	Nairn ...	29.42	58	Z	0	c	29.40	- .10	53	53	- 3	W	1	r	1	65	51	0.70	
	Aberdeen ...	29.43	58	S	3	o	29.38	- .16	61	56	+ 5	S	2	bc	2	66	51	0.08	
	Leith ...	29.43	57	NE	1	o	29.41	- .16	59	52	+ 1	WNW	2	b	*	67	49	0.15	
	Shields ...	29.47	64	SW	2	bc	29.37	- .24	57	51	- 10	NW	2	o	2	65	48	0.50	
	Spurn Head ...	29.55	63	WSW	5	b	29.44	- .22	55	51	- 9	SW	6	opg	5	66	53	0.25	
	York ...	29.54	62	SW	3	bc	29.45	- .23	53	51	- 8	WSW	3	r	*	66	48	0.25	
	Loughborough	29.61	64	WSW	5	bc	29.54	- .15	57	52	- 4	WSW	4	bcg	*	72	52	0.05	
GERMANY & HOLLAND.	Ardrossan ...	29.40	56	S	2	c	29.44	- .13	56	53	- 1	W	3	bc	2	60	50	0.17	
	Malin Head ...	29.36	50	ENE	3	o	29.51	- .01	54	51	- 2	NW	4	cp	2	59	48	0.31	
	Mullaghmore ...	29.41	53	NNW	6	pg	29.51	- .01	54	51	- 2	NW	4	cp	2	59	48	0.31	
	Belmullet ...	29.51	55	NNW	4	o	29.64	+ .28	57	57	+ 3	NNW	5	o	*	58	52	0.36	
	Donaghadee ...	29.36	54	S	4	r	29.53	- .06	52	51	- 4	WSW	2	c	0	58	50	0.34	
	Liverpool (Bidston)	29.54	61	SW	4	bc	29.54	- .10	54	51	- 4	W	5	o	4	65	51	0.22	
	Holyhead ...	29.51	55	SW	6	cp	29.56	- .06	59	56	+ 3	W	3	c	3	63	51	0.24	
	Parsonstown ...	29.52	56	SW	2	o	29.62	+ .06	56	55	- 2	Z	0	o	*	62	49	0.16	
	Valencia ...	29.72	58	NNW	5	cg	29.83	+ .19	56	54	- 3	NNW	6	og	6	61	54	0.11	
	Roche's Point...	29.64	60	W	5	b	29.73	+ .04	56	52	- 1	NNW	5	c	4	61	53	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.64	57	WSW	6	bc	29.66	- .02	55	53	- 1	WSW	7	og	6	58	54	0.01	
	Scilly ...	29.84	60	WSW	6	bc	29.86	+ .05	57	56	- 2	NNW	6	bc	5	62	54	0.01	
	Prawle Point ...	29.80	57	W	5	bc	29.79	- .02	55	54	- 3	W	6	om	4	60	52	-	
	Jersey (St. Aubin's)	29.86	59	W	4	c	29.90	- .03	60	56	- 1	WSW	5	b	4	62	55	0.14	
	Hurst Castle ...	29.73	61	WSW	7	b	29.75	- .07	59	58	0	WSW	7	bc	5	63	55	0.04	
	Dungeness ...	29.71	59	SW	6	r	29.71	- .15	58	56	0	W	6	c	5	61	55	0.10	
	London ...	29.69	66	WSW	3	bc	29.71	- .11	61	53	+ 2	SW	3	c	*	69	52	0.25	
	Oxford ...	29.69	57	SW	5	o	29.66	- .11	57	52	- 3	SW	4	bc	*	67	52	0.19	
	Cambridge ...	29.66	62	SW	2	b	29.65	- .13	60	54	- 1	SW	2	b	*	70	50	0.27	
	Yarmouth ...	29.62	61	SW	3	c	29.61	- .18	59	52	- 4	W	5	bc	4	68	51	0.14	
PENINSULA.	Cuxhaven ...	29.81	62	SW	3	r	29.68	- .27	61	60	0	WSW	3	b	*	71	60	0.48	
	Berlin ...	29.87	68	SE	3	bc	29.73	- .25	64	61	- 5	S	4	c	*	77	57	-	
	Wiesbaden ...	*	*	*	*	*	29.82	- .21	64	60	+ 2	SW	4	o	*	70	59	0.55	
	Munich ...	30.04	59	Z	0	bc	29.95	- .18	63	58	+ 4	SW	5	c	*	68	55	0.12	
	The Helder ...	29.67	62	SSW	3	bc	29.64	- .20	60	55	0	SW	4	bc	3	66	59	-	
	Brussels (9 a.m.)	*	*	*	*	*	29.79	- .14	56	54	- 5	SSW	5	o	*	69	51	0.47	
	Cape Gris Nez	29.75	58	SW	5	f	29.73	- .15	53	52	- 4	WSW	6	r	7	61	52	0.26	
	Paris ...	29.88	66	WSW	2	r	29.94	- .08	59	55	- 5	WSW	2	b	*	71	52	0.63	
	Brest ...	?	62	W	3	o	?	?	60	56	0	W	4	c	4	64	55	-	
	Lorient ...	29.96	61	W	5	o	29.98	- .03	59	54	- 3	NNW	3	o	4	63	57	0.04	
PENINSULA.	Rochefort ...	30.03	66	W	5	o	29.98	- .08	64	62	- 1	NNW	4	o	*	72	61	-	
	Belfort ...	30.00	64	WSW	2	c	29.94	- .15	63	59	0	WSW	2	r	*	72	56	0.24	
	Lyons ...	30.00	74	SE	1	?	30.00	- .13	66	60	- 1	W	3	o	*	78	62	-	
	Nice ...	29.97	71	W	2	b	29.93	- .06	65	62	- 1	SW	1	c	0	79	63	-	
	Perpignan ...	30.05	82	N	1	b	30.05	- .10	75	67	+ 5	NN	2	o	*	85	62	-	
	Biarritz ...	30.14	70	NNE	3	o	30.11	- .10	66	64	+ 2	WSW	3	o	2	79	64	-	

WEATHER CHARTS

for 8 a.m. on Tuesday, 7th July, 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:

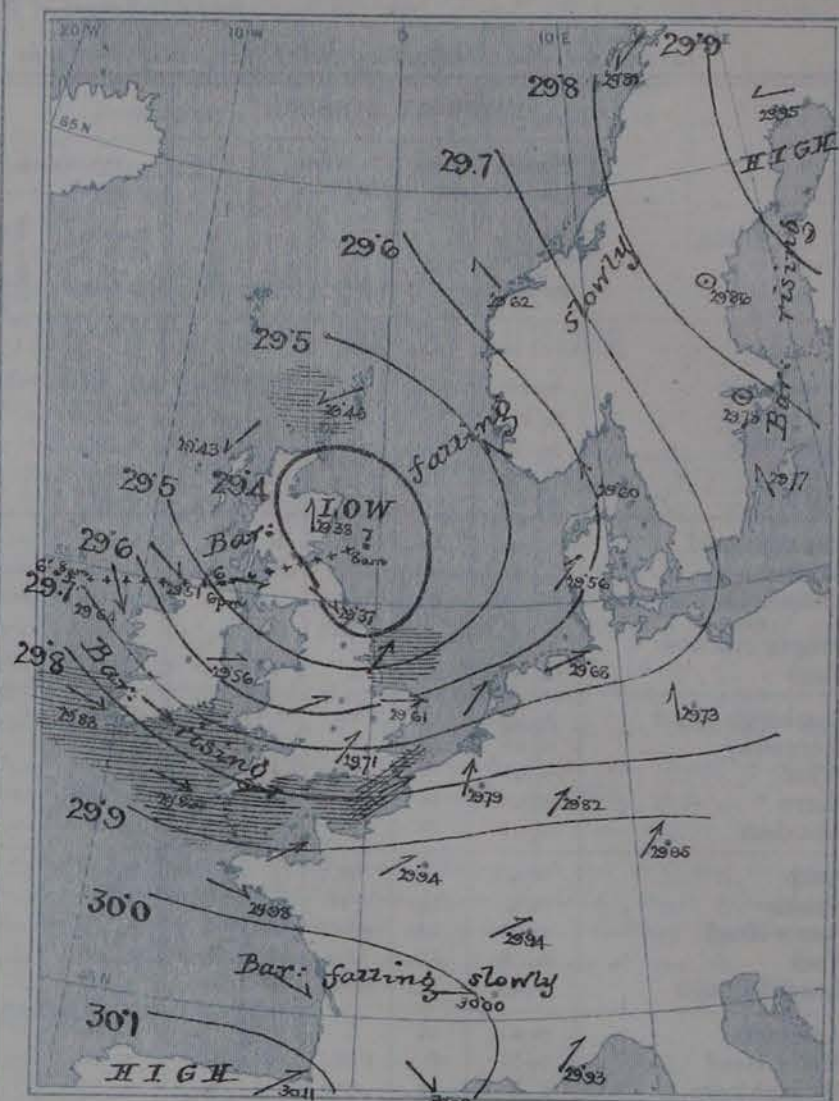
≡ = Rough. ≡ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of July

During the 20 Years: 1871-1890.

STATIONS.	MEAN READINGS
Southburgh Head	29.784
Stormway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.857
Spurn Head	29.869
York	29.881
Loughborough	29.894
Ardrossan	29.906
Mullaghmore	29.918
Donaghadee	29.930
Holyhead	29.942
Liverpool	29.954
Parsonstown	29.966
Valencia	29.978
Roche's Point	29.990
Pembroke	30.002
Selly	30.014
Pewee Point	30.026
Jersey	30.038
Hurst Castle	30.050
Dover	30.062
LONDON	30.074
Oxford	30.086
Cambridge	30.098
Yarmouth	30.110



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

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

WEATHER is shown by Letters of the Beaufort Scale.

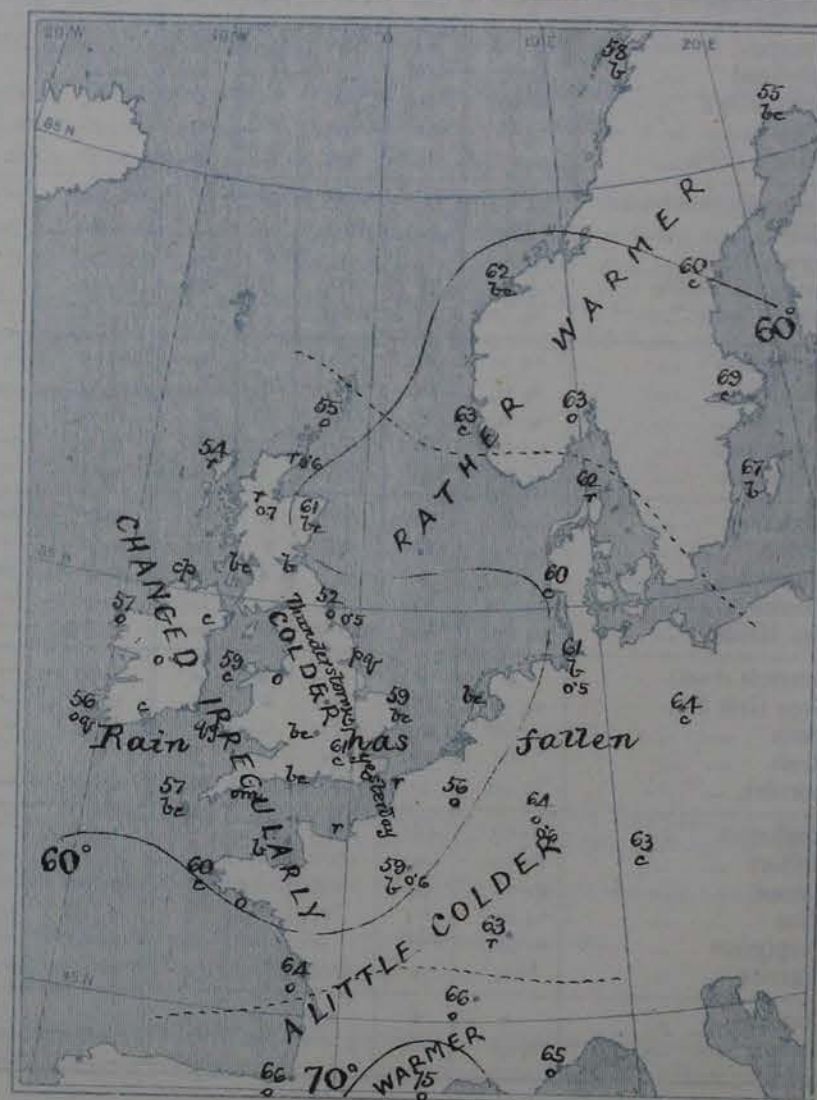
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE				RAINFALL Inches.
	Daily Max.	Daily Min.	At 8 a.m.	At 8 a.m.	
Southburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stormway	60.2	48.0	53.5	53.0	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	61.3	50.0	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	55.2	59.6	56.5	1.74
York	68.7	51.0	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.4	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.0	51.0	57.2	54.4	3.72
Donaghadee	64.2	51.8	57.4	55.6	2.82
Holyhead	63.8	51.3	58.1	56.3	2.40
Liverpool	65.9	51.2	59.4	55.0	2.06
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	59.0	56.4	3.00
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Selly	64.4	56.2	60.2	58.1	2.46
Pewee Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.8	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.04
Dover	66.8	56.3	61.0	58.1	1.04
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.0	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.0	54.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest 30.1 ins. and upwards over the north of Spain and the extreme southwest of France.</p> <p>Lowest 29.4 ins. and less in a depression lying off the east of Scotland and the northeast of England.</p> <p>Gradients moderate over Ireland, England and the southern parts of the North Sea, slight elsewhere.</p> <p>Barometer rising in the west and south of our Islands as well as in Sweden, but falling elsewhere.</p>
TEMPERATURE	<p>Highest 77° at Lisbon, 75° at Perpignan, 69° at Stockholm, 67° at Wisby, and 66° at Lyons and Biarritz.</p> <p>Lowest 52° at Shields and Donaghadee, 53° at Wick, Halmstad and Stockholm, and 54° at Helsingfors and Liverpool.</p> <p>The highest maxima registered over our Islands yesterday were 72° at Loughborough, 70° at Cambridge, and 69° in London.</p>
WIND	<p>Moderate to fresh from the NWnd in Ireland; strong from the Wnd or SWnd over England and the Channel.</p> <p>Light or moderate from the SEnd in Scandinavia, and from the NEnd in the Netherlands and Hebrides.</p> <p>Wnd in France; SWnd in Germany.</p>
WEATHER	<p>Rainy in the north of Scotland; gusty and showery in many other parts of the United Kingdom; a solar halo reported at Oxford.</p> <p>Thunderstorms occurred yesterday in many parts of Ireland and England, with heavy rain in places.</p>
SEA	<p>High at Cape Eric Key and rough or rather so on many parts of our S. and SW coasts, as well as at Hamburg H^t.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the east of Scotland will probably take a more northerly course than hitherto and travel away towards the Norwegian coast. Secondary disturbances are still likely to pass across Ireland and England and showery weather is therefore probable in nearly all districts.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NE ² to N ² winds, light; dull, some rain.	6 SCOTLAND WEST	W ² to NW ² winds, moderate or fresh; changeable, some showers.
1 SCOTLAND EAST	Light breezes, chiefly W ² ; changeable, some showers.	7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	NW ² winds, fresh or strong; changeable, some showers.
3 ENGLAND EAST	SW ² and W ² winds, fresh; fair generally, but local showers.	9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH			
		WARNINGS	None Issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.71	62	57	SE	4	0	3		Holyhead ...	29.57	60	55	SW	5	4
Sumburgh Head ...	29.88	56	55	E	3	0	5		Valencia ...	29.67	57	55	W	6	6
Stornoway ...	29.47	55	54	NE	2	0	2		Scilly ...	29.83	61	59	WSW	5	5
Aberdeen ...	29.46	63	56	SSE	3	0	3		Jersey ...	29.85	62	61	SW	3	3
Shields ...	29.53	60	59	SSE	3	0	2		Dungeness ...	29.76	61	60	SW	6	5
Ardrossan ...	29.46	59	55	S	1	0	1		London ...	29.70	67	62	SW	4	3
Malin Head ...	29.39	52	50	ESE	3	0	1		Yarmouth ...	29.68	64	61	S	4	3
Mullaghmore ...	29.28	55	51	SSW	4	0	2		Rochefort ...	30.07	68	66	WSW	5	?
Belmullet ...	29.32	55	54	WNW	4	0	*								

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

Weather in morning fine and bright in the extreme south and southeast of Europe only, with the Mediterranean; very unsettled, cloudy and showery in the north and northwest, rain falling later over nearly the whole of northwestern and central Europe, the fall being heavy in the N.E. of Scotland; thunderstorms occurring in several parts of England and France.

Temperature low and inclined to fall over all the northern and northwestern countries, high in the southeast. morning readings 84° at Odessa, 81° at Constantinople, 80° at Nicolaieff; exceeding 70° at most of the Spanish and Mediterranean stations, as well as at Kiev at Kharkov, lower elsewhere. Below 60° in all parts of the United Kingdom, Finland and the north of Russia, and as low as 48° at Rode, 52° at Archangel, 54° at Stornoway and Belmullet, 56° at Holyhead and Aberdeen, and 59° in London. Rising to 70° and more at a few English stations later, in Sweden and Germany, and to between 78° and 85° in the south of France. succeeding night cold, for time of year over Great Britain.

Wind (1) strong and squally from the SW and on our southwestern and southern coasts, moderate S. to SE. at our N. stations; (2) N. to W. over Sweden and the Baltic, SW over Finland; (3) chiefly N. to W. over central Europe, very variable elsewhere. Evening W. over Ireland, England and France later, but backing to NE. in the north of Scotland.

Barometer highest 30.2 ins. to 30.0 ins. over Algeria, Spain, France, Switzerland and south Germany, and exceeding 29.9 ins. over N. Germany and the extreme south of Sweden. Lowest 29.4 ins. and less in a depression advancing towards the N.W. of Ireland from the Atlantic; 29.4 ins. and less in a larger disturbance over the White Sea and N. of Russia; and rather below 30.0 ins. in a shallow system over the Gulf of Genoa. Depression in N.W. advancing 8 a.m. later and barometer falling throughout our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT.

for *Wednesday, 8th July, 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.		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 ...		29.95	57	Z	0	bc	29.97	+02	59	?	+4	SE	1	c	*	64	43	0.04
Hernösand ...		29.89	57	NE	2	b	29.87	+01	59	57	-1	Z	0	c	*	73	46	-
Stockholm ...		29.80	62	SE	2	b	29.78	00	63	58	-6	NE	2	c	*	77	55	-
Wisby ...		29.76	60	ESE	4	b	29.70	-07	64	60	-3	ESE	4	c	*	72	54	-
Bodö ...		29.79	63	E	1	b	29.82	+01	64	55	+6	E	1	b	1	68	52	-
Christiansund		29.63	66	E	2	b	29.68	+06	66	59	+4	SE	1	c	1	68	61	-
Skudesnaes ...		29.56	59	Z	0	o	29.70	+20	60	57	-3	Z	0	c	2	63	55	0.51
Christiania Fjord (Færd)		29.64	62	EHE	5	+	29.70	+04	60	57	-3	SE	5	c	2	66	?	0.95
Skagen (The Scaw)		29.63	60	S	3	r	29.69	+09	61	58	-1	Z	0	c	0	66	50	0.12
Fanö ...		29.65	53	Z	0	b	29.61	+05	56	54	-4	SE	4	c	*	64	48	-
Sumburgh Head		29.55	55	NE	4	o	29.71	+25	52	52	-3	NE	4	c	6	59	49	0.06
Stornoway ...		29.61	52	N	5	r	29.87	+44	50	49	-4	N	6	c	6	55	47	0.30
Wick ...		29.58	55	Z	0	o	29.75	+36	51	51	-2	N	2	r	1	62	50	0.30
Nairn ...		29.49	60	W	1	b	29.75	+35	53	52	0	NW	3	r	2	64	51	0.88
Aberdeen ...		29.52	58	NE	3	b	29.70	+32	61	57	0	NNE	2	bc	2	64	52	-
Leith ...		29.47	62	NW	2	bc	29.69	+22	63	58	+4	N	1	c	*	68	52	-
Shields ...		29.46	58	W	2	c	29.61	+24	57	55	+5	NW	3	c	2	60	49	0.17
Spurn Head ...		29.52	56	NW	5	o	29.57	+08	57	54	+2	NW	6	c	4	60	52	0.06
York ...		29.51	57	W	4	r	29.62	+17	58	54	+5	NW	4	bc	*	62	43	0.13
Loughborough		29.59	61	W	4	bc	29.66	+07	60	55	+3	W	4	c	*	64	51	0.44
Ardrossan ...		29.48	60	W	1	b	29.74	+30	58	56	+2	W	2	c	1	61	52	0.03
Malin Head ...		29.55	53	NW	5	or	29.83	+32	52	50	-2	NW	6	og	4	56	51	0.06
Mullaghmore ...																		
Belmullet ...		29.83	56	NW	6	o	30.02	+38	54	53	-3	N	4	c	*	58	53	0.03
Donaghadee ...		29.54	55	NW	4	r	29.74	+21	52	52	0	NW	4	r	2	64	51	0.14
Liverpool (Bidston)		29.56	58	W	5	o	29.71	+17	54	53	0	NW	4	c	4	60	53	0.10
Holyhead ...		29.61	56	NW	4	omgp	29.77	+21	54	52	-5	NW	5	ogqr	4	64	52	0.04
Parsonstown ...		29.76	56	NW	2	o	29.96	+34	55	52	-1	WSW	2	c	*	63	52	0.14
Valencia ...		29.95	58	NW	4	cqm	30.09	+26	56	51	0	N	3	c	4	62	52	0.02
Roche's Point...		29.81	58	NW	5	c	29.94	+21	56	51	0	NW	6	b	4	60	52	-
Pembroke (St. Ann's Hd.)		29.70	56	WSW	5	c	29.84	+18	53	52	-2	N	4	ogm	5	58	52	0.02
Scilly ...		29.90	58	NW	6	cp	29.96	+10	57	57	0	NW	6	c	5	61	56	-
Prawle Point ...		29.82	57	NW	6	c	29.87	+08	53	53	-2	NW	3	m	2	60	52	0.01
Jersey (St. Aubin's)		29.91	61	WSW	5	b	29.92	+02	60	56	0	W	6	bcm	4	63	56	-
Hurst Castle ...		29.74	59	WSW	8	bcqp	29.76	+01	57	56	-2	NW	6	c	5	62	55	0.04
Dungeness ...		29.66	59	W	8	c	29.68	-03	58	55	0	NW	7	c	6	63	56	0.06
London ...		29.65	58	SW	3	o	29.69	-02	56	54	-5	WSW	2	c	*	63	53	0.31
Oxford ...		29.66	57	WSW	3	b	29.71	+05	58	54	+1	NW	2	c	*	60	51	0.34
Cambridge ...		29.60	58	WSW	1	b	29.65	00	58	55	-2	NW	2	c	*	63	52	0.44
Yarmouth ...		29.57	58	W	4	cv	29.57	-04	58	55	-1	NW	4	c	3	64	52	0.81
GERMANY & HOLLAND.																		
Cuxhaven ...		29.68	61	NW	2	b	29.67	-01	59	58	-2	SSW	3	b	*	67	56	0.04
Berlin ...		29.77	66	W	2	bc	29.79	+06	64	59	0	W	3	c	*	70	55	0.16
Wiesbaden ...		*	*	*	*	*	29.85	+03	58	54	-6	SW	4	bc	*	70	50	-
Munich ...		29.95	60	SW	1	c	29.96	+01	57	56	-6	SW	4	c	*	72	55	0.16
The Helder ...		29.60	57	SW	4	r	29.56	-08	56	53	-4	SW	1	c	1	64	55	0.16
FRANCE AND BELGIUM.																		
Brussels (9 a.m.)		*	*	*	*	*	29.71	-08	55	54	-1	SSW	5	r	*	65	52	0.16
Cape Gris Nez		29.70	57	WSW	7	o	29.66	-07	56	54	+3	WSW	7	r	7	59	50	0.08
Paris ...		29.89	65	WSW	4	b	29.90	-04	56	53	-3	SW	2	b	*	70	50	-
Brest ...		?	61	W	4	c	?	?	57	56	-3	NW	4	o	4	61	57	-
Lorient ...		30.01	61	NW	5	bc	30.03	+05	58	54	-1	NW	4	bc	4	63	57	-
Rochefort ...		30.03	64	NW	4	c	30.01	+03	62	56	-2	NW	4	bc	*	68	61	-
Belfort ...		29.94	63	WSW	3	o	29.94	00	61	57	-2	WSW	4	c	*	68	54	0.16
Lyons ...		30.01	64	SE	1	o	30.04	+04	57	52	-9	N	2	o	*	70	54	0.32
Nice ...		29.88	70	SW	2	bc	29.88	-05	70	61	+5	N	2	b	1	77	61	-
Perpignan ...		30.01	79	SE	1	b	30.04	-01	69	64	-6	SW	1	c	*	86	64	-
Biarritz ...		30.11	69	NW	3	o	30.04	-02	65	63	-1	NE	3	c	2	77	64	-
PENINSULA.																		
Corunna ...		*	*	*	*	*												
Lisbon ...		29.93	81	W	3	b	29.97	-01	68	65	-9	SSW	4	c	2	95	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 Wednesday, 8th July, 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.

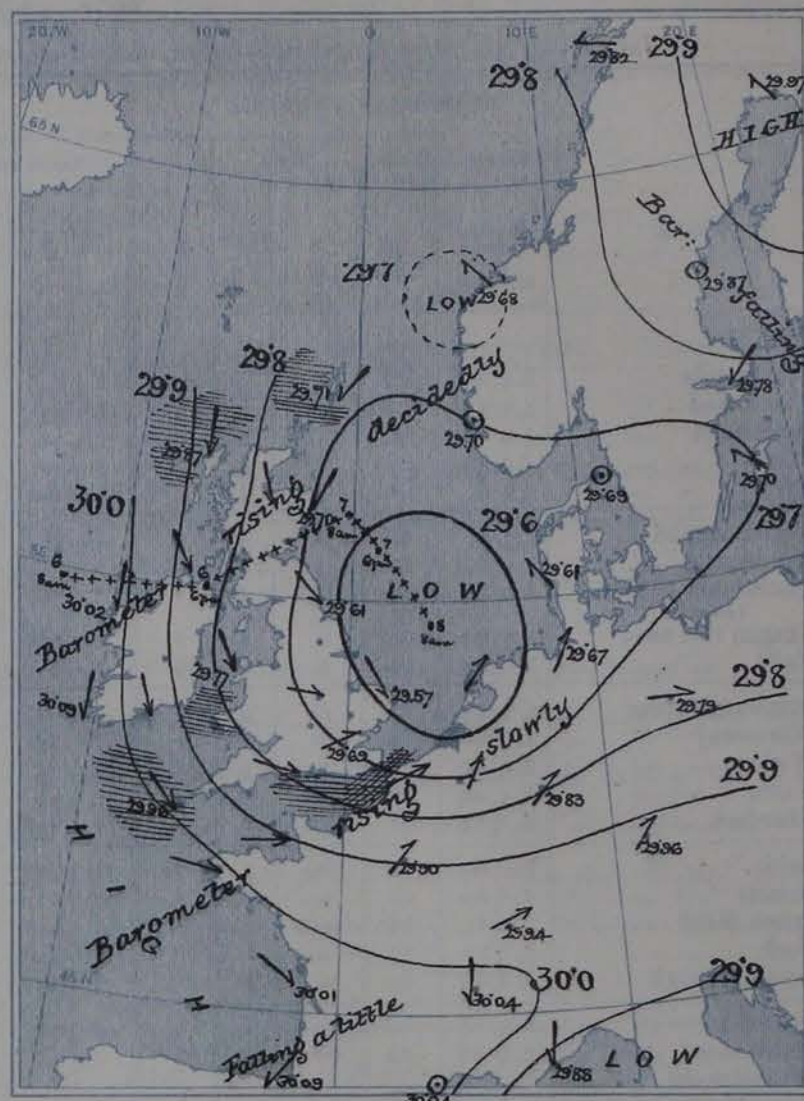
SEA DISTURBANCE—Where considerable, is shown thus:

≡ = Rough. ≡ = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.705
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.933
Roche's Point	29.932
Pembroke	29.936
Scilly	29.971
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

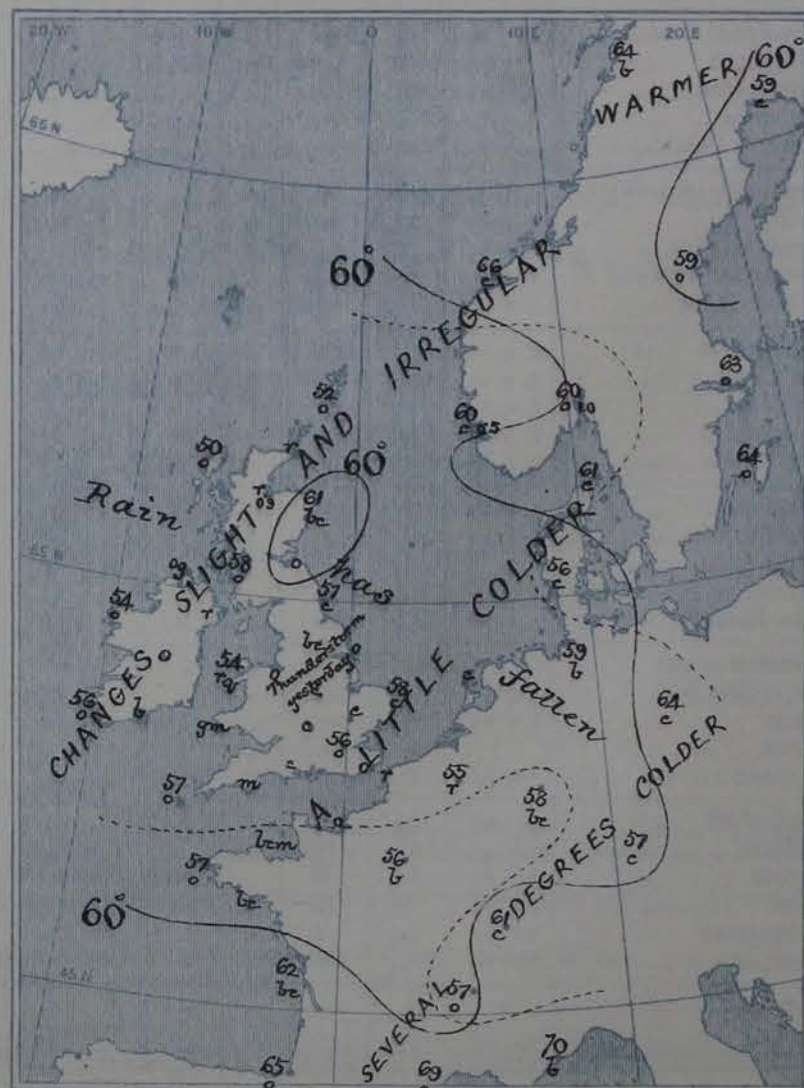
WEATHER is shown by Letters of the Beaufort Scale.

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

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

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway.....	60.2	48.9	53.5	53.6	3.02
Wick.....	61.8	48.7	55.8	53.5	2.84
Nairn.....	64.3	50.9	56.7	53.3	2.59
Aberdeen.....	63.9	50.6	57.5	53.9	2.78
Leith.....	66.7	51.2	58.4	54.9	2.85
Shields.....	64.1	52.2	58.3	55.0	2.66
Spurn Head.....	65.1	55.2	59.5	56.8	1.71
York.....	68.7	51.9	59.2	55.9	2.70
Loughborough.....	71.5	52.6	61.4	57.0	2.34
Ardrossan.....	63.5	52.8	57.3	54.6	2.91
Mullaghmore.....	62.9	51.0	57.2	54.4	3.72
Donaghadee.....	63.2	51.8	57.4	55.5	2.82
Holyhead.....	63.8	51.3	58.1	55.8	2.40
Liverpool.....	65.9	51.2	59.4	55.6	2.06
Parsonstown.....	66.4	51.5	58.1	54.8	2.06
Valencia.....	64.0	53.6	58.9	56.4	3.90
Roche's Point.....	66.1	53.2	58.8	55.9	3.29
Pembroke.....	62.5	51.8	58.0	56.0	2.54
Scilly.....	64.4	50.2	60.2	58.1	2.46
Prawle Point.....	64.5	53.7	59.6	57.3	2.24
Jersey.....	68.3	58.2	62.0	58.9	2.40
Hurst Castle.....	67.8	55.5	61.1	58.8	2.24
Dover.....	66.8	56.3	61.9	58.4	1.93
LONDON.....	72.4	54.0	62.0	57.8	2.38
Oxford.....	69.6	53.4	60.0	56.6	2.58
Cambridge.....	71.9	52.2	61.3	57.7	2.42
Yarmouth.....	68.6	54.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in. and upwards, over the Bay of Biscay, the west of Ireland, the south of France and the north of Spain; 29.9 in. and less, in the north of Sweden.
Lowest, 29.6 in. and less, in a depression lying over all the more southern parts of the North Sea.

Gradient moderate over our Islands, the Netherlands, and the north-east of France, but slight elsewhere.

Barometer rising in most parts of Western Europe, but falling in Sweden, the Netherlands, and the south-west of France.

TEMPERATURE

Highest, 70° at Nice, 69° at Perpignan, 68° at Freetown, 66° at Christiansund, 65° at Danzig, and 64° at Hode, Nizhny, and Berlin.

Lowest, 50° at Stomoway, 51° at Wick, 52° at Sumburgh Hd., Malin Hd. and Donaghadee, and 53° at Kaim, Pembroke and Pwllheli Point.

The maxima registered over our Islands yesterday were below 65° at all stations excepting Leth where the thermometer rose to 68°.

WIND

Moderate to strong from the NW² over Ireland, England and the west of France; N³ over the greater part of Scotland.

Moderate from SW over Germany, the Netherlands, and the east of France; light from the E² in Scandinavia.

WEATHER

Cloudy in most parts of the United Kingdom, with rain in the north of Scotland, as well as at several of our northwestern stations.

Fair or fine at most of the Continental stations, but dull in the south of Sweden.

Rain fell yesterday in nearly all parts of Western Europe, the largest amounts being 1.0 in. at Fander, 0.9 in. at Kaim, and 0.5 in. at Hode. Thunderstorms occurred at some of the English stations.

SEA

High at Cape G. N. 2, and rough or rather so at several of our southern stations, as well as off the north of Scotland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Shallow secondary depressions are travelling southwards over the United Kingdom, and the weather is therefore likely to remain in a showery condition, with thunderstorms in some places.

FORECASTS

For the 24 hours ending at NOON on 9th July 1891.

DISTRICTS.

FORECASTS.

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

N² and NE² winds, moderate; dull, showery

Same as N° 5.

NW² winds, fresh; changeable, showery, thunder locally.

DISTRICTS.

FORECASTS.

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

N² winds, light; dull, some rain.

Same as N° 5.

N² winds, fresh; cloudy and showery to fair.

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 ...	29.34	60	59	E	1	r	2	Holyhead ...	29.61	64	57	W	3	bc	2
Sumburgh Head	29.52	57	57	NE	3	o	6	Valencia ...	29.92	60	56	W	5	cq	5
Stornoway ...	29.52	54	54	N	4	o	4	Scilly ...	29.87	60	57	W	6	cp	5
Aberdeen ...	29.46	60	55	SE	2	b	2	Jersey ...	29.91	61	57	W	6	b	4
Shields ...	29.44	55	52	W	8	c	2	Dungeness ...	29.66	62	58	W	8	bc	6
Ardrossan ...	29.47	60	57	W	3	o	2	London ...	29.64	63	57	SW	5	cp	*
Malin Head ...	29.55	55	54	W	5	o	3	Yarmouth ...	29.57	61	56	W	5	cq	4
Mullaghmore ...								Rochefort ...	29.99	66	61	W	4	o	*
Belmullet ...	29.77	55	55	W	3	op	*								

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

Weather in morning fine and bright at most of the Mediterranean stations, over southern Europe, and the southern half of Spain, more or less cloudy elsewhere; very unsettled over western and northern Europe, with rain in many places. Rain at times during day in almost all parts of our Islands, Germany, and the greater part of northwestern Europe, thunderstorms in the north of England. Rainfall heavy in some localities.

Temperature low for the time of year over all the western and northern countries. Highest 82° at Nicolaiiff, and exceeding 70° on all the eastern, southern, and western shores of the Mediterranean. Below 60° over nearly the whole of the British Isles and northern Europe, and as low as 48° at Uleaborg, 49° at Archangel, 53° at Wick, Nain, York, C. F. H. H., and de Mons, 54° at Malin H. and Liverpool, and 55° at Pembroke and Pwllheli. Rising later to between 60° and 65° in most parts of our Islands, with the north and west of France, to a little above 70° in Germany, and to 75° or more in the south of France (86° at Perpignan) but not exceeding 58° at Shields and Pembroke.

Wind light and variable in Scotland, fresh to strong NW³ in Ireland, and W³ in the Irish and St. George's Channels, strong W³ in the English Channel, and moderate over the Bay of Biscay, moderate to fresh SW³ to S³ over Germany, moderate SE³ in Denmark and the southern parts of Scandinavia; very light and variable elsewhere. Blowing a fresh gale in the English Channel later, and freshening in the southeast of England.

Barometer highest 30.1 ins: and more, to 29.9 ins: over the Bay of Biscay, France, south Germany, Italy, and the Mediterranean, and 29.9 ins: and more to 29.8 ins: over Lapland, the Kola Peninsula, Finland and the north of Sweden. Lowest 29.4 ins: and less, in a depression over the east of Scotland and neighbouring part of the North Sea, 29.5 ins: and less, in another over the south of Russia, and 30.0 ins: and less, in a third approaching the southwest of Spain from the Atlantic. The first of these depressions beginning to move southwards later down our northeast 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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TERMS:—For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT.

for Thursday 9th July 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.	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 ...	29.90	59	Z	0	b	29.86	- .11	61	56	+ 2	S	2	b	*	68	50	—	
	Hernösand ...	29.87	58	Z	0	b	29.82	- .05	61	56	+ 2	SW	2	bc	*	72	45	—	
	Stockholm ...	29.78	57	E	4	c	29.72	- .06	60	57	- 3	NE	6	0	*	66	55	—	
	Wisby ...	29.71	59	ESE	4	bc	29.69	- .01	60	58	- 4	SSE	4	b	*	64	54	0.04	
	Bodö ...	29.76	57	NNE	1	bc	29.73	- .09	51	51	- 13	WSW	2	0	1	64	50	0.35	
	Christiansund	29.81	54	NNW	1	f	29.88	+ .20	52	50	- 14	NNW	2	r	2	66	?	0.20	
	Skudesnaes ...	29.76	60	NNW	4	c	29.81	+ .11	60	58	0	NNW	5	0	3	64	55	—	
	Christiania Fjord (Færder)	29.74	63	N	4	0	29.79	+ .09	62	57	+ 2	NNE	3	b	2	64	59	—	
	Skagen (The Seaw)	29.71	62	ENE	2	0	29.68	- .01	61	58	0	ENE	4	c	2	66	55	0.12	
	Fanö ...	29.66	57	SSE	1	b	29.70	+ .09	61	58	+ 5	N	2	b	*	66	54	—	
BRITISH ISLANDS.	Sumburgh Head	29.86	57	NNE	2	0	30.04	+ .33	49	48	- 3	N	2	0	4	53	45	—	
	Stornoway ...	30.03	50	N	5	0	30.13	+ .26	52	49	+ 2	NE	2	c	3	53	46	—	
	Wick ...	29.90	50	N	2	d	30.12	+ .37	48	48	- 3	N	2	r	1	52	46	0.27	
	Nairn ...	29.95	51	ENE	2	r	30.10	+ .35	51	48	- 2	NNW	2	bc	1	55	47	0.89	
	Aberdeen ...	29.91	53	NW	4	og	30.07	+ .37	51	49	- 10	NNW	4	cq	4	65	49	—	
	Leith ...	29.87	62	NE	2	c	30.08	+ .39	54	50	- 9	NNE	1	0	*	62	52	0.44	
	Shields ...	29.82	59	NNW	5	b	30.03	+ .42	53	52	- 4	NW	4	op	4	62	52	—	
	Spurn Head ...	29.74	59	N	6	bc	29.97	+ .40	57	55	0	N	6	cq	4	59	52	0.17	
	York ...	29.76	62	N	3	b	30.01	+ .39	56	53	- 2	N	3	c	*	65	50	—	
	Loughborough	29.79	59	W	3	c	30.03	+ .37	58	54	- 2	NNE	2	cm	*	64	53	0.25	
GERMANY & HOLLAND.	Ardrossan ...	29.89	57	N	1	0	30.05	+ .34	56	53	- 2	W	2	b	1	61	52	—	
	Malin Head ...	30.00	52	NNW	5	0	30.16	+ .33	52	50	0	N	3	0	2	52	50	—	
	Mullaghmore ...																		
	Belmullet ...	30.02	54	NNW	3	0	30.20	+ .18	55	54	+ 1	N	1	0	*	57	52	0.03	
	Donaghadee ...	29.93	53	NW	7	r	30.10	+ .36	53	51	+ 1	NW	5	c	4	56	50	0.06	
	Liverpool (Bidston)	29.84	58	NNW	4	bc	30.06	+ .35	56	52	+ 2	N	1	0	1	60	52	—	
	Holyhead ...	29.90	54	NNW	6	ogq	30.07	+ .30	54	52	0	N	4	cq	4	57	52	0.07	
	Parsonstown ...	30.05	55	SW	1	0	30.17	+ .21	55	51	0	NW	1	c	*	58	50	—	
	Valencia ...	30.15	57	N	5	0	30.21	+ .12	57	53	+ 1	N	3	og	2	58	54	—	
	Roche's Point...	30.02	59	N	5	bc	30.18	+ .24	55	50	- 1	N	3	bc	3	64	52	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.96	53	NNW	3	0	30.08	+ .24	53	51	0	N	3	og	3	55	52	0.04	
	Scilly ...	30.03	58	NW	5	bc	30.08	+ .12	55	55	- 2	NNW	4	0	5	60	54	—	
	Prawle Point ...	29.94	56	NNW	3	bc	30.05	+ .18	59	57	+ 6	E	1	b	0	59	49	—	
	Jersey (St. Aubin's)	29.97	56	W	5	cmr	30.05	+ .13	57	54	- 3	WSW	4	ogm	3	60	52	0.01	
	Hurst Castle ...	29.84	60	WSW	5	bc	30.02	+ .26	62	59	+ 5	N	2	bc	2	66	51	0.01	
	Dungeness ...	29.77	58	NW	3	bc	29.92	+ .24	58	56	0	NNW	5	bc	3	67	49	0.40	
	London ...	29.79	58	WSW	2	bc	29.99	+ .30	58	54	+ 2	NNE	3	0	*	68	50	0.50	
	Oxford ...	29.84	56	NW	2	b	30.03	+ .32	56	52	- 2	N	2	0	*	65	51	0.07	
	Cambridge ...	29.78	58	NW	1	b	29.99	+ .34	58	55	0	N	2	c	*	66	50	0.47	
	Yarmouth ...	29.64	57	N	4	bc	29.88	+ .31	58	57	0	N	5	c	4	59	57	0.17	
PENIN- SULA.	Cuxhaven ...	29.69	58	SSW	3	r	29.68	+ .01	56	55	- 3	SW	2	bc	*	66	56	0.12	
	Berlin ...	29.77	62	W	1	b	29.78	- .01	59	57	- 5	WSW	3	0	*	72	55	0.24	
	Wiesbaden ...	*	*	*	*	*	29.85	.00	55	53	- 3	SW	2	r	*	66	48	0.04	
	Munich ...	29.96	56	NE	1	0	29.97	+ .01	58	52	+ 1	SW	4	0	*	64	52	0.35	
	The Helder ...	29.66	56	WSW	1	c	29.78	+ .22	58	55	+ 2	N	2	bc	3	63	55	0.04	
	Brussels (9 a.m.)	*	*	*	*	*	29.85	+ .14	54	54	- 1	WSW	3	r	*	62	52	0.51	
	Cape Gris Nez	29.75	55	W	5	b	29.88	+ .22	56	54	0	NW	4	c	5	59	52	0.51	
	Paris ...	29.93	60	W	3	b	30.00	+ .10	57	54	+ 1	WSW	2	r	*	66	54	0.08	
	Brest ...	?	59	NNW	3	0	?	?	56	55	- 1	NW	2	0	3	63	55	—	
	Lorient ...	30.06	58	NNW	5	0	30.08	+ .05	57	54	- 1	W	2	0	2	63	54	—	
PENIN- SULA.	Rochefort ...	30.06	63	NNW	4	c	30.02	+ .01	59	56	- 3	NNW	4	0	*	68	57	—	
	Belfort ...	29.96	61	W	5	0	29.96	+ .02	59	57	- 2	W	5	0	*	70	52	0.08	
	Lyons ...	30.04	62	N	1	0	30.04	.00	61	55	+ 4	NNE	1	b	*	70	52	—	
	Nice ...	29.81	78	WSW	4	b	29.84	- .04	68	58	- 2	SW	2	c	4	86	61	—	
	Perpignan ...	29.99	76	NW	3	0	30.01	- .03	66	59	- 3	N	2	0	*	82	63	0.04	
	Biarritz ...	30.10	68	NNE	4	b	30.07	- .02	61	57	- 4	E	2	0	2	75	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, 9 July 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.

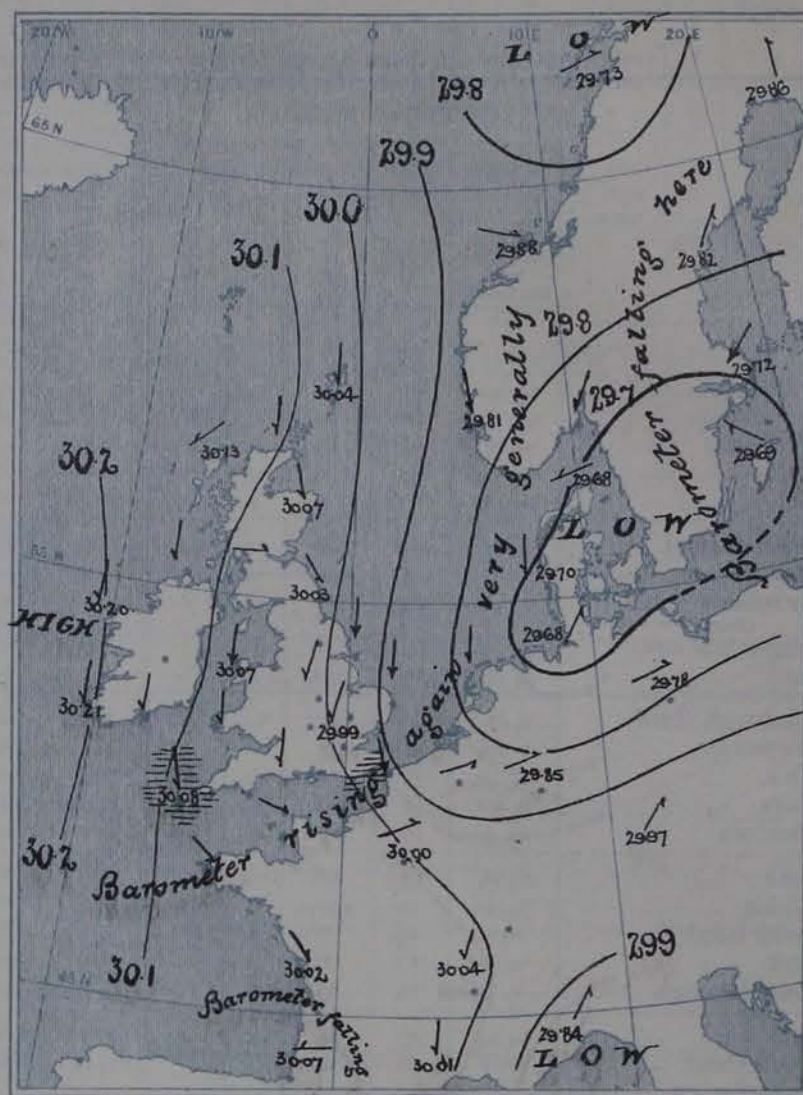
MEAN HEIGHT OF THE BAROMETER

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

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shielda	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.936
Mullaghmore	29.969
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

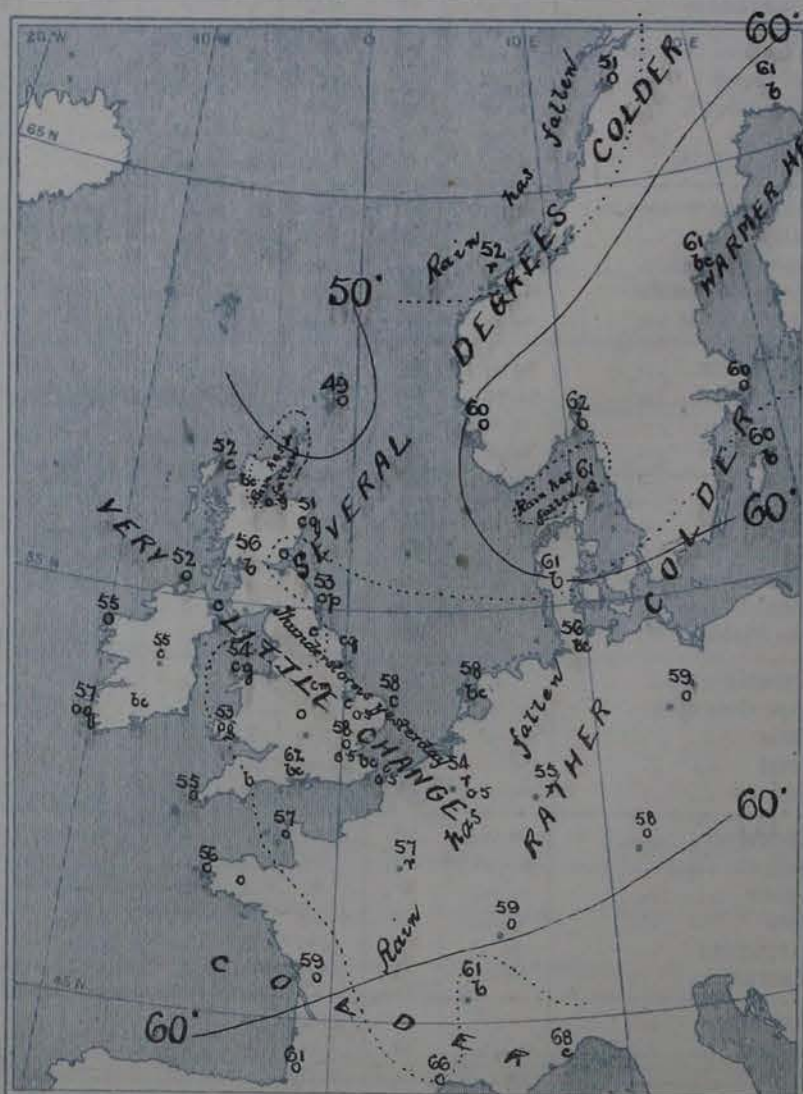
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.0	3.02
Wick.....	61.8	48.7	55.8	53.5	2.31
Nairn.....	61.3	50.9	56.7	53.3	2.59
Aberdeen.....	63.9	50.6	57.5	53.9	2.78
Leith.....	66.7	51.2	58.4	54.9	2.85
Shielda.....	64.1	52.2	58.3	55.0	2.66
Spurn Head.....	63.1	55.2	59.5	56.8	1.74
York.....	68.7	51.9	59.2	55.9	2.70
Loughborough	71.6	52.0	61.4	57.0	2.34
Ardrossan.....	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee.....	61.2	51.8	57.4	55.5	2.82
Holyhead.....	63.8	51.3	58.1	55.8	2.40
Liverpool.....	65.9	51.2	59.4	55.0	2.98
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia.....	64.0	53.6	58.9	56.1	3.90
Roche's Point.....	66.1	53.2	58.8	55.9	3.29
Pembroke.....	62.5	54.8	58.0	56.0	2.51
Scilly.....	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey.....	68.3	56.2	62.0	58.9	2.40
Hurst Castle.....	67.8	55.5	61.1	58.8	2.24
Dover.....	66.8	56.3	61.9	58.4	1.95
LONDON.....	72.4	54.0	62.0	61.8	2.38
Oxford.....	69.6	53.4	60.0	56.6	2.58
Cambridge.....	71.9	52.2	61.3	57.7	2.42
Yarmouth.....	66.6	51.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. to 30.2 ins. over Ireland and the west and north of Scotland.
Lowest 29.7 ins. and less in a large shallow depression lying over Denmark and the southern parts of Sweden & the Baltic.
Gradients slight. Barometer rising over the greater part of our area, but falling in Sweden & also in the S.W. of France.

TEMPERATURE

Highest 68° at Nice, 66° at Perpignan, 62° at Faerden and Hurst Castle, and 61° at Haparanda, Hernösand, Skagen, Fano, Lyons and Biarritz.
Lowest 48° at Wick, 49° at Lumburgh H., 51° at Bodø, Naicin and Aberdeen, and 52° at Christiansund, Hornumoy & Malin Head.
The highest maxima registered over our Islands yesterday were 69° at Leith, 68° in London, and 67° at Dungeness.

WIND

N² over our Islands and the North Sea; light or moderate in force in most places, but fresh or strong at some of our eastern stations.
Moderate from NW in the west of France and from SW. over Germany and the eastern and central parts of France.
NE² in the south of Scandinavia; light from SW. in the northern parts of that peninsula.

WEATHER

Fine in places but cloudy on the whole, with rain in Belgium, Western Germany and northeast of France as well as at Christiansund and Wick.
Thunderstorms and heavy rain were experienced yesterday in many parts of England; considerable amounts of rain were also reported at some of the Scotch stations, the largest of all being 0.9 in. at Naicin.

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

An anticyclone is apparently spreading over our Islands from the westward and improving weather is therefore probable in most districts. In the eastern parts of Great Britain, however, the conditions are likely to remain somewhat unsettled for a time.

FORECASTS

For the 24 hours ending at NOON on

10TH JULY

1891.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | N ² winds, moderate; fair generally, but perhaps local showers. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Same as N ^o 5. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | N ² and NW ² winds, light or moderate; fair generally, but local showers. |

DISTRICTS.

FORECASTS.

- | | | |
|----------|---------------|--|
| 6 | SCOTLAND WEST | N ² winds, light or moderate; fair generally. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | |
| 10 | IRELAND 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 ...	29.74	64	58	NNW	4	c	2		Holyhead ...	29.85	56	NNW	6	oq	5
Sumburgh Head ...	29.79	53	52	NNE	4	o	6		Valencia ...	30.14	58	N	4	oq	4
Stornoway ...	29.97	52	51	N	5	o	5		Scilly ...	30.01	59	NNW	5	c	5
Aberdeen ...	29.84	55	53	NNW	4	oq	3		Jersey ...	29.96	59	W	5	o	4
Shields ...	29.72	62	58	NN	4	bc	3		Dungeness ...	29.71	63	W	6	o	6
Ardrossan ...	29.83	60	58	W	3	o	2		London ...	29.72	68	W	3	c	*
Malin Head ...	29.95	52	49	NNW	5	o	4		Yarmouth ...	29.64	58	NNW	4	cp	3
Mullaghmore ...									Rochefort ...	30.06	65	NNW	4	c	
Belmullet ...	30.10	56	55	N	3	o	*								

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

Weather in morning fine and bright at the Mediterranean stations, over Spain and several parts of France as well as in the extreme N. of Europe, very unsettled elsewhere, especially over Great Britain, the Netherlands and Germany, where rain fell in several places. Rain later in the regions referred to - heavy in many localities; thunderstorms and hail over England.

Temperature still low for the time of year. Morning readings exceeding 70° in the extreme S.E., S. and S.W. only - exceeding 80° at some Algerian stations. Below 60° in all parts of the British Islands and north of Russia, and as low as 50° at Stornoway, 51° at Wick, 52° at Donaghadee, Sumburgh Head and Archangel, and 54° at Holyhead, 55° at Parsonstown and Brussels. Not touching 70° at any of our stations during day, and not touching 60° on our northeast coast, but rising to 82° at Perpignan and 86° at Nice.

Wind E⁴ and SE³ and light over northern Europe, N² moderate to strong in Scotland and Ireland, NW² over England, W² in the N. of France, S² in the Netherlands; chiefly N² to NE² at the Spanish stations, very variable over central and eastern Europe. Rising N⁴ over England later and becoming very strong ^{from} SW over central France.

Barometer highest 30.0 ins. and more over the west of Ireland, the Bay of Biscay, the S.W. of France and North of Spain, and 30.1 ins. to 29.9 ins. over Finland, the White Sea and Lapland. Lowest 29.6 ins. and less in a depression moving SE⁴ over the North Sea, 29.7 ins. and less in a shallow disturbance over the central and southern parts of Russia, and 29.9 ins. and less in a very small system lying over the Riviera and Gulf of Genoa. The depression over the North Sea moving eastwards later and becoming shallow.

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 10th July 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.	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 9.)	Max.	Min.	Amount of Rainfall.				
SCANDINAVIA.	Haparanda ...	29.77	60	2	0	bc	29.75	-	11	63	57	+	2	SE	2	c	*	70	48	-
	Hernösand ...	29.70	60	S	2	b	29.70	-	12	61	56	+	0	SW	2	b	*	75	46	-
	Stockholm ...	29.69	58	NNE	2	0	29.63	-	09	61	57	+	1	N	2	c	*	63	52	0.16
	Wisby ...	29.73	59	S	2	b	29.63	-	06	60	56	+	0	WNW	4	b	*	68	54	-
	Bodö ...	29.76	?	SW	2	r	29.78	+	05	50	49	-	1	W	2	0	1	52	48	0.28
	Christiansund	29.93	51	NNW	4	f	29.89	+	01	49	46	-	3	W	1	f	2	52	46	0.20
	Skudesnaes ...	29.84	53	NNW	8	0	29.85	+	04	54	50	-	6	NW	7	c	4	57	52	-
	Christiania Fjord (Færd)	29.69	65	WNW	3	b	29.71	-	08	55	53	-	4	N	5	b	2	66	57	-
	Skagen (The Seaw)	29.69	59	NE	5	c	29.64	-	04	60	59	-	1	NNE	1	0	0	74	57	0.04
	Fanö ...	29.76	59	NW	5	c	29.77	+	07	57	52	-	4	NW	6	c	*	68	55	0.08
BRITISH ISLANDS.	Sumburgh Head	30.07	50	NNW	2	bc	29.87	-	17	52	52	+	3	WNW	4	0	5	54	47	0.02
	Stornoway ...	30.15	46	NW	3	0	30.06	-	07	54	53	+	2	W	3	0	3	57	50	0.01
	Wick ...	30.13	51	N	2	0	30.01	-	11	55	53	+	7	NW	5	0	2	55	48	0.02
	Nairn ...	30.10	57	2	0	bc	30.03	-	07	57	54	+	6	NNW	2	c	2	69	45	0.01
	Aberdeen ...	30.13	55	NNW	3	c	30.03	-	04	60	54	+	9	WNW	2	bc	2	61	47	-
	Leith ...	30.10	58	NNE	4	bc	30.12	+	04	58	53	+	4	W	2	b	*	60	48	-
	Shields ...	30.12	54	N	3	0	30.09	+	06	56	54	+	3	SW	2	c	3	57	49	-
	Spurn Head ...	30.08	56	NNW	6	c	30.09	+	12	55	52	-	2	NW	3	0	3	60	52	-
	York ...	30.12	57	N	3	0	30.12	+	11	55	52	-	1	N	1	0	*	62	47	-
	Loughborough	30.11	63	ENE	2	b	30.14	+	11	57	54	-	1	WNW	2	omw	*	68	54	-
GERMANY & HOLLAND.	Ardrossan ...	30.11	62	W	3	bc	30.11	+	03	57	54	+	1	W	2	c	1	64	51	-
	Malin Head ...	30.18	56	NW	2	c	30.18	+	02	53	52	+	1	WNW	2	0	2	58	52	-
	Mullaghmore ...	30.16	58	N	2	b	30.22	+	03	56	52	+	0	NW	2	0	2	57	54	-
	Belmullet ...	30.16	58	N	2	b	30.23	+	03	56	54	+	0	N	1	0	*	59	54	0.01
	Donaghadee ...	30.17	55	NNE	4	bc	30.18	+	08	55	53	+	2	NNE	4	c	2	57	51	0.01
	Liverpool (Bidston)	30.14	61	NW	2	b	30.17	+	11	54	51	-	2	W	4	0	3	62	50	-
	Holyhead ...	30.15	55	N	3	b	30.18	+	11	58	54	+	4	NNW	3	b	2	58	52	-
	Parsonstown ...	30.19	61	NW	1	c	30.23	+	06	55	53	+	0	2	0	0	*	62	52	-
	Valencia ...	30.24	61	N	3	bc	30.27	+	06	58	53	+	1	NNE	1	0	2	63	49	-
	Roche's Point...	30.21	58	SW	2	b	30.24	+	06	57	53	+	2	N	1	b	2	60	50	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.15	57	N	2	b	30.18	+	10	56	52	+	3	N	3	bc	2	57	51	-
	Scilly ...	30.14	57	N	4	c	30.18	+	10	58	55	+	3	NNE	4	b	3	58	53	-
	Prawle Point ...	30.12	59	ENE	2	b	30.16	+	11	60	57	+	1	S	1	bcw	0	62	52	-
	Jersey (St. Aubin's)	30.10	64	NW	3	b	30.16	+	11	64	60	+	7	2	0	bcw	0	65	50	-
	Hurst Castle ...	30.10	64	WSW	3	bc	30.15	+	13	60	58	-	2	NW	1	m	1	67	54	-
	Dungeness ...	30.06	60	S	2	bc	30.11	+	19	55	53	-	3	N	3	bc	2	68	57	-
	London ...	30.09	64	N	2	bc	30.15	+	16	57	53	-	1	2	0	og	*	67	51	-
	Oxford ...	30.12	57	N	1	bc	30.16	+	13	56	53	+	0	N	1	0	*	65	49	-
	Cambridge ...	30.08	60	NNE	2	c	30.13	+	14	59	55	+	1	W	1	0	*	66	48	-
	Yarmouth ...	30.04	60	N	4	bc	30.08	+	20	55	53	-	3	NNW	2	cg	3	63	51	0.02
PENINSULA.	Cuxhaven ...	29.77	58	NW	4	r	29.82	+	14	58	56	+	2	NW	16	0	*	63	57	0.08
	Berlin ...	29.77	62	W	3	c	29.78	+	00	58	56	-	1	W	3	c	*	66	54	0.20
	Wiesbaden ...	*	*	*	*	*	29.99	+	14	59	56	+	4	W	2	0	*	66	55	0.16
	Munich ...	30.00	56	SW	4	c	30.03	+	06	56	52	-	2	NW	4	c	*	64	50	0.08
	The Helder ...	29.98	59	NNW	3	c	30.02	+	24	57	54	-	1	NNW	2	c	3	61	55	0.08
	Brussels (9 a.m.)	*	*	*	*	*	30.06	+	21	57	54	+	3	NW	3	0	*	65	52	0.16
	Cape Gris Nez	30.02	61	NE	2	b	30.11	+	23	55	53	-	1	N	4	c	3	63	52	0.12
	Paris ...	30.06	62	NW	2	b	30.13	+	13	56	54	-	1	NNE	2	b	*	69	49	-
	Brest ...	?	60	NNW	3	b	?	?	?	55	55	-	1	E	2	b	2	63	50	-
	Lorient ...	30.10	61	WNW	2	0	30.15	+	07	53	52	-	4	NE	2	m	2	61	52	-
FRANCE AND BELGIUM.	Rocheport ...	30.08	64	WNW	4	0	30.09	+	07	59	56	+	0	ENE	3	b	2	73	55	-
	Belfort ...	?	59	W	3	bc	?	?	?	60	57	+	1	W	3	c	*	66	46	-
	Lyons ...	30.02	64	N	2	b	30.03	-	01	57	53	-	4	NNE	3	b	*	70	52	-
	Nice ...	29.79	74	NW	2	bc	29.81	-	03	69	62	+	1	W	1	b	0	82	59	-
	Perpignan ...	29.98	74	NW	3	0	29.97	-	04	69	58	+	3	NW	2	b	*	79	59	-
	Biarritz ...	30.06	67	NE	3	0	30.05	-	02	64	59	+	3	ESE	3	b	2	70	61	-
	Corunna ...	*	*	*	*	*	29.98	-	07	65	61	-	2	NE	6	b	3	68	59	-
	Lisbon ...	29.98	69	NNE	4	b	29.98	+	01	64	60	-	3	NNE	4	b	2	81	61	-

WEATHER CHARTS

for 8 a.m. on Friday, 10th July, 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

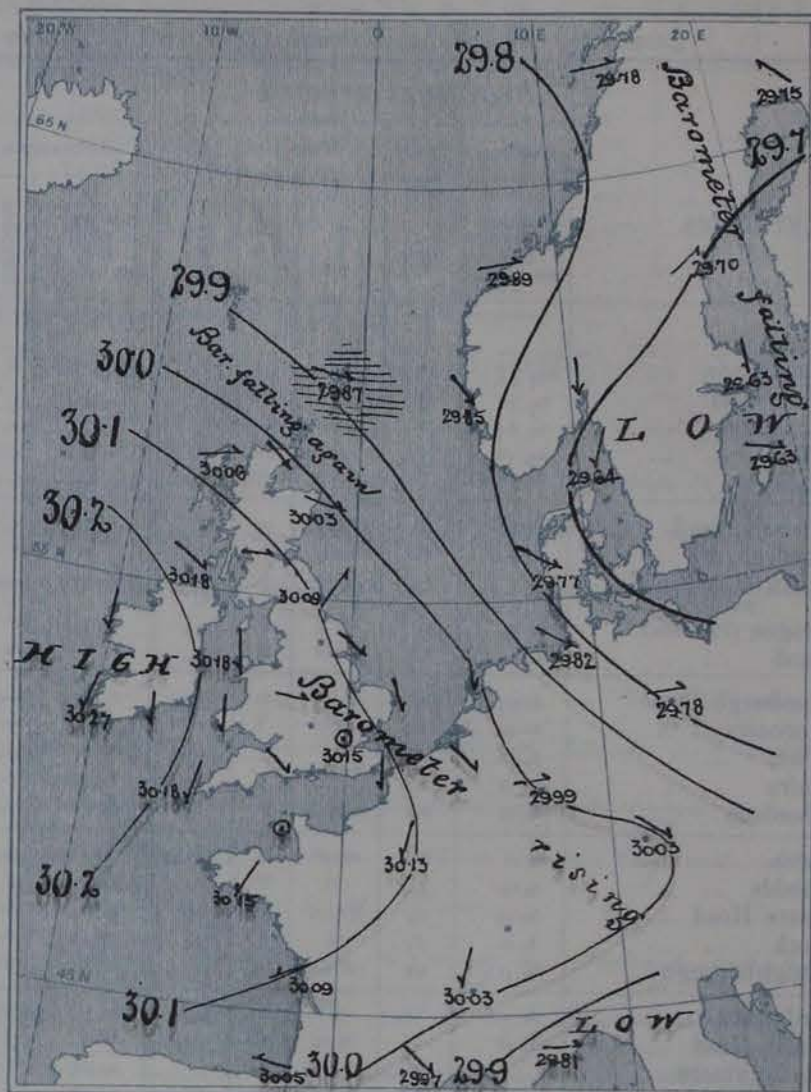
at 8.0 a.m. for the month of July

During the 20 Years: 1871—1890.

STATIONS.

MEAN READINGS

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



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

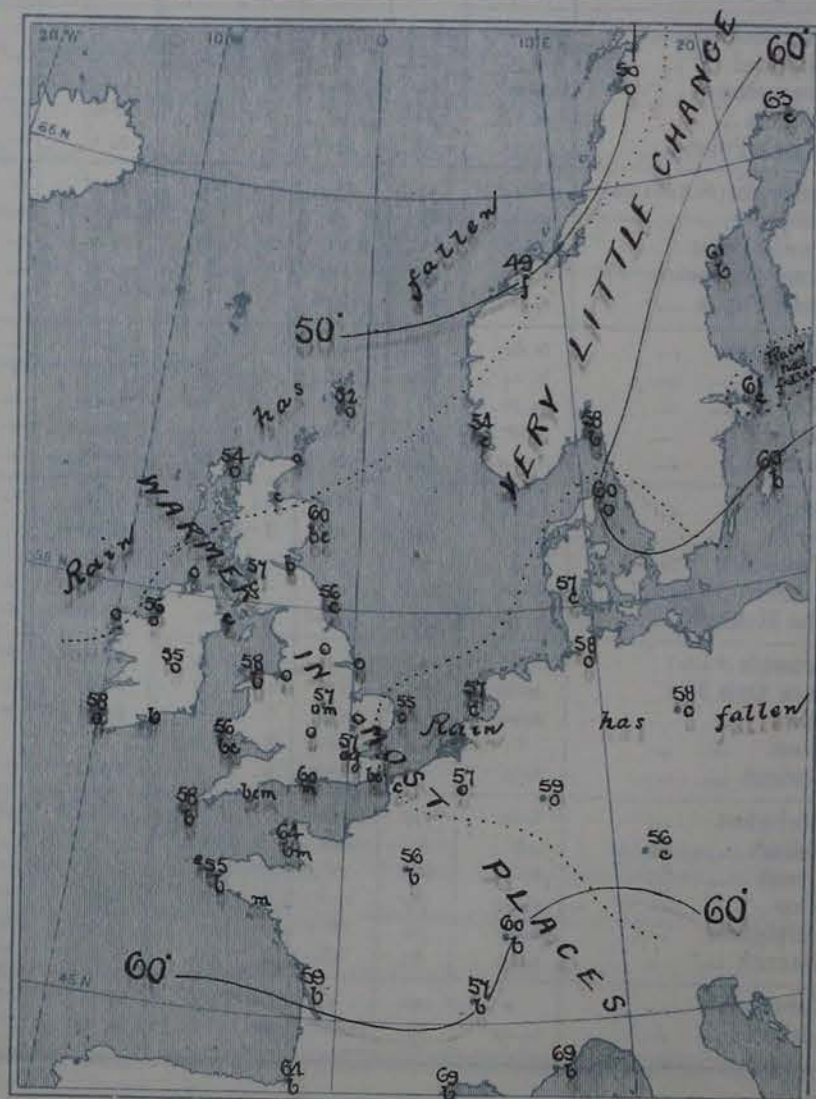
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.69
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Scilly	64.4	56.2	59.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.24
Dover	66.8	56.3	61.9	58.1	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	68.6	54.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest 30.2 ins. and upwards over Ireland.</p> <p>Lowest 29.7 ins. and less in a large shallow depression lying over the Baltic and south of Sweden.</p> <p>Gradients slight generally. Barometer falling in Scandinavia and the north of our Islands, as well as in the extreme south of France, but rising elsewhere.</p>
TEMPERATURE	<p>Highest 69° at Nice and Perpignan, 64° at Jersey, Biarritz and Lisbon, 63° at Haparanda, and 61° at Hernösand & Stockholm.</p> <p>Lowest 49° at Christiansund, 50° at Bodø, 52° at Lumburgh Head, 53° at Malin H., and 54° at Stornoway and Gurn Head.</p> <p>The highest maxima registered over our Islands yesterday were 69° at Kairn, 68° at Loughborough and Dungeness, and 67° at Hurst Castle and in London.</p>
WIND	<p>W² or NW² over the North Sea, the northern and eastern parts of our Islands, the Netherlands and Germany.</p> <p>N² in the western parts of the United Kingdom and NE² in France.</p> <p>Light or moderate in force generally but strong in the south of Denmark.</p>
WEATHER	<p>Fair over the greater part of western Europe, but dull in places, and foggy at Christiansund.</p> <p>A little rain has fallen in the extreme north and northwest of our Islands, and larger amounts in Scandinavia, Denmark, Germany and the Netherlands.</p>
SEA	<p>Slight or smooth generally, but rather rough at Lumburgh Head.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A depression is apparently advancing towards the north of our Islands from the north-westward, and freshening winds with rain are probable on our extreme northern coasts. Over the southern portions of the Kingdom the weather will probably remain fair for the present.

FORECASTS

For the 24 hours ending at NOON on 11TH JULY 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W ² or NW ² winds, fresh or strong; dull, some rain.	6 SCOTLAND WEST	Same as No. 5.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	N ² & NW ² winds; fine generally.
3 ENGLAND EAST		9 IRELAND NORTH	NW ² winds, moderate; cloudy, local showers.
4 MIDLAND COUNTIES		10 IRELAND SOUTH	Same as No. 8.
5 ENGLAND SOUTH	W ² and NW ² winds, 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 ...	29.82	58	54	NNW	8	c	4	Holyhead ...	30.14	56	54	N	3	c	3
Sumburgh Head ...	30.07	53	50	N	2	o	3	Valencia ...	30.24	62	56	N	3	bc	3
Stornoway ...	30.15	64	52	?WNW	3	c	3	Scilly ...	30.13	56	54	N	4	o	5
Aberdeen ...	30.13	53	49	NNW	3	o	4	Jersey ...	30.10	65	59	NW	3	bc	3
Shields ...	30.10	55	53	NNW	4	c	4	Dungeness ...	30.02	65	60	N	5	c	3
Ardrossan ...	30.10	63	58	N	3	bc	2	London ...	30.05	64	58	NW	2	c	*
Malin Head ...	30.19	57	53	NNW	2	c	2	Yarmouth ...	30.01	62	57	N	4	bc	4
Mullaghmore ...								Rochefort ...	30.06	71	61	NW	1	bc	2
Belmullet ...	30.24	59	55	NNE	2	c	*								

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

The Continental Information will appear tomorrow.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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

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

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT.

for Saturday 11th July 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.	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 ...	29.71	61	Z	0	c	29.70	- .05	65	56	+ 1	NE	2	b	*	73	48	-
	Hernösand ...	29.66	59	E	2	b	29.69	- .01	62	55	+ 1	NNE	2	b	*	77	43	-
	Stockholm ...	29.59	59	NE	2	0	29.58	- .05	64	57	+ 3	NE	2	c	*	68	54	0.47
	Wisby ...	29.57	61	WNW	4	c	29.55	- .08	63	59	+ 3	NNW	4	bc	*	68	52	-
	Bodö ...	29.78	48	W	1	0	29.81	+ .03	52	50	+ 2	WSW	1	0	1	?	46	-
	Christiansund ...	29.77	53	NNE	4	c	29.82	+ .07	53	50	+ 4	NNE	3	f	2	55	48	-
	Skadesnaes ...	29.75	54	Z	0	0	29.75	+ .10	57	53	+ 3	NNW	4	c	2	57	52	-
	Christiania Fjord (Færd)	29.63	61	WNW	5	0	29.66	- .05	57	53	- 1	N	5	c	2	63	55	0.08
	Skagen (The Scaw)	29.62	59	WNW	1	0	29.61	- .03	57	54	- 3	NNE	3	0	2	66	55	-
	Fanö ...	29.77	56	NW	5	0	29.71	+ .06	57	55	- 0	NW	5	c	*	63	54	-
BRITISH ISLANDS.	Sumburgh Head	29.82	51	WNW	4	r	29.87	- .00	49	49	- 3	NNW	1	0	4	54	46	0.03
	Stornoway ...	30.03	57	NW	4	0	29.93	- .13	55	54	+ 1	W	3	r	3	58	50	0.01
	Wick ...	30.00	55	N	5	0	29.92	- .09	55	53	- 0	NW	4	0	2	62	50	-
	Nairn ...	29.98	62	NW	2	bc	29.95	- .08	56	52	+ 1	W	2	c	1	66	51	-
	Aberdeen ...	29.97	60	NW	3	bc	29.96	- .07	58	52	- 2	NW	3	bc	1	68	50	-
	Leith ...	29.98	69	WSW	5	b	29.98	- .14	55	52	- 3	WSW	2	0	*	72	52	-
	Shields ...	29.97	68	W	3	c	29.98	- .11	56	52	- 0	W	4	c	2	71	51	-
	Spurn Head ...	30.00	61	S	2	bc	29.98	- .11	57	55	+ 2	NW	3	om	3	62	53	-
	York ...	30.04	66	W	3	b	30.01	- .11	58	55	+ 3	WNW	2	bc	*	72	48	-
	Loughborough	30.07	65	N	4	b	30.04	- .10	61	66	+ 4	WNW	3	cur	*	70	53	-
GERMANY & HOLLAND.	Ardrossan ...	30.06	59	W	5	c	30.00	- .11	56	53	- 1	W	2	0	1	63	52	-
	Malin Head ...	30.13	54	WNW	3	opm	30.03	- .15	55	53	+ 2	WNW	2	odp	2	59	51	0.03
	Mullaghmore ...	30.17	57	WNW	3	c	30.07	- .15	54	52	- 2	WSW	3	omp	2	59	52	0.02
	Belmullet ...	30.19	56	WNW	2	0	30.04	- .19	55	54	- 0	SW	2	0	*	59	52	0.03
	Donaghadee ...	30.13	56	N	2	c	30.06	- .12	56	54	+ 1	NW	3	0	1	61	54	-
	Liverpool (Bidston)	30.11	56	W	4	0	30.06	- .11	56	53	+ 2	WNW	2	0	3	60	52	-
	Holyhead ...	30.14	58	WNW	1	og	30.08	- .10	55	53	- 3	NW	1	og	1	64	53	-
	Parsonstown ...	30.18	58	Z	0	a	30.09	- .14	54	53	- 1	Z	0	0	*	60	52	-
	Valencia ...	30.22	60	NNW	2	cv	30.12	- .15	58	55	- 0	Z	0	0	1	63	53	-
	Roche's Point...	30.20	60	SW	2	b	30.14	- .10	56	53	- 1	NW	1	c	1	64	51	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.17	56	NNW	2	b	30.10	- .08	56	52	- 0	NNW	1	0	1	59	52	-
	Scilly ...	30.16	59	NNW	4	b	30.13	- .05	59	56	+ 1	NNW	1	b	0	60	54	-
	Prawle Point ...	30.13	64	WNW	1	b	30.10	- .06	59	56	- 1	NW	1	b	0	65	49	-
	Jersey (St. Aubin's)	30.14	65	NW	3	b	30.12	- .04	59	57	- 5	WNW	3	bcw	3	69	52	-
	Hurst Castle ...	30.12	62	SW	2	m	30.08	- .07	61	59	+ 1	N	1	m	1	65	51	-
	Dungeness ...	30.06	60	W	4	c	30.02	- .09	64	61	+ 9	NNW	3	m	2	65	50	-
	London ...	30.07	69	WNW	1	bc	30.05	- .10	59	55	+ 2	NW	2	bc	*	70	51	-
	Oxford ...	30.07	63	W	1	b	30.06	- .10	58	54	+ 2	NW	2	c	*	70	50	-
	Cambridge ...	30.07	65	NW	1	b	30.03	- .10	61	57	+ 2	NW	1	c	*	70	50	-
	Yarmouth ...	30.07	60	NNE	2	c	29.97	- .11	58	56	+ 3	NW	2	c	3	62	51	-
PENINSULA.	Cuxhaven ...	29.88	57	NW	6	0	29.81	- .01	58	56	- 0	NW	6	bcg	*	61	57	0.08
	Berlin ...	29.83	60	WNW	4	c	29.84	+ .06	54	54	- 4	W	3	r	*	66	54	0.04
	Wiesbaden ...	*	*	*	*	*	30.02	+ .03	57	54	- 2	NW	2	0	*	64	50	-
	Munich ...	30.07	57	NW	2	c	30.04	+ .01	54	52	- 2	NW	3	0	*	64	50	0.04
	The Helder ...	30.02	57	NW	2	c	29.92	- .10	59	57	+ 2	WNW	2	c	3	59	57	-
	Brussels (9 a.m.)	*	*	*	*	*	30.00	- .06	59	57	+ 2	WSW	2	r	*	64	48	0.04
	Cape Gris Nez	30.08	58	WSW	3	0	30.02	- .09	58	56	+ 3	W	2	m	2	63	52	-
	Paris ...	30.09	64	N	2	b	30.11	- .02	58	54	+ 2	SEW	1	b	*	68	52	-
	Brest ...	?	64	E	3	b	?	?	54	53	- 1	N	1	b	2	66	48	-
	Lorient ...	30.13	66	WNW	3	b	30.13	- .02	56	53	+ 3	ENE	1	b	1	73	52	-
PENINSULA.	Rochefort ...	30.07	57	E	2	bc	30.07	?	61	59	+ 1	W	3	bc	*	66	45	-
	Belfort ...	29.99	66	N	3	b	30.06	+ .03	57	53	- 0	NNW	3	b	*	70	52	-
	Lyons ...	29.76	74	W	2	bc	29.83	+ .02	69	61	- 0	SW	2	b	0	81	63	-
	Nice ...	29.91	77	NW	3	bc	29.99	+ .02	71	59	+ 2	NW	3	b	*	81	61	-
	Perpignan ...	30.03	69	N	3	b	30.06	+ .01	67	62	+ 3	Z	0	b	1	73	61	-
	Biarritz ...	*	*	*	*	*	29.95	- .03	66	62	+ 2	N	4	b	2	84	61	-

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

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

for 8 a.m. on Saturday, 11th July, 1891.

EXPLANATION OF MAP

Changes since previous morning are stated in words.

(these birds and feathers refer to force thus —

forces above 10; \Rightarrow forces 8 to 10;

forces 5 to 7; \longrightarrow forces 1 to 4.

dead calm

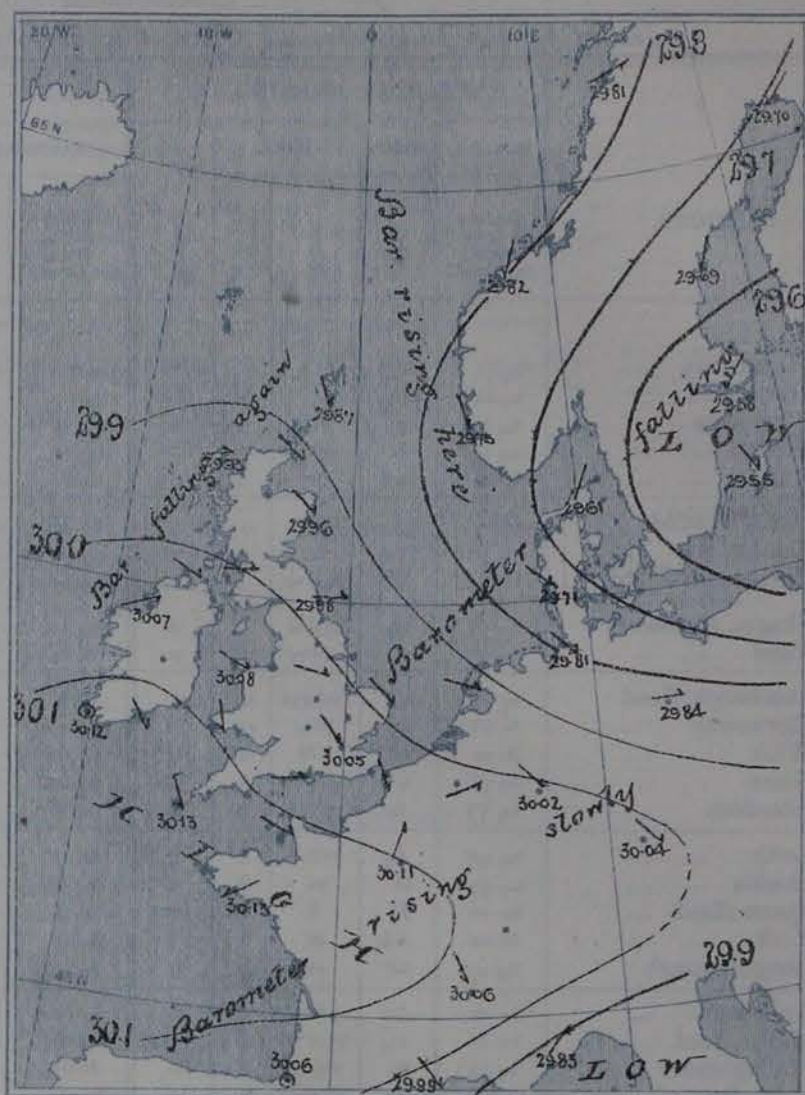
SE 1. DISTURBANCE—Where considerable, is shown thus:

 = Rough, = High.

at 8.0 a.m. for the month of July

During the 20 Years: 1871—1890

STATIONS:	MEAN
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WITH RAINFALL IN PAST 24 HOURS.

morning are stated in words.

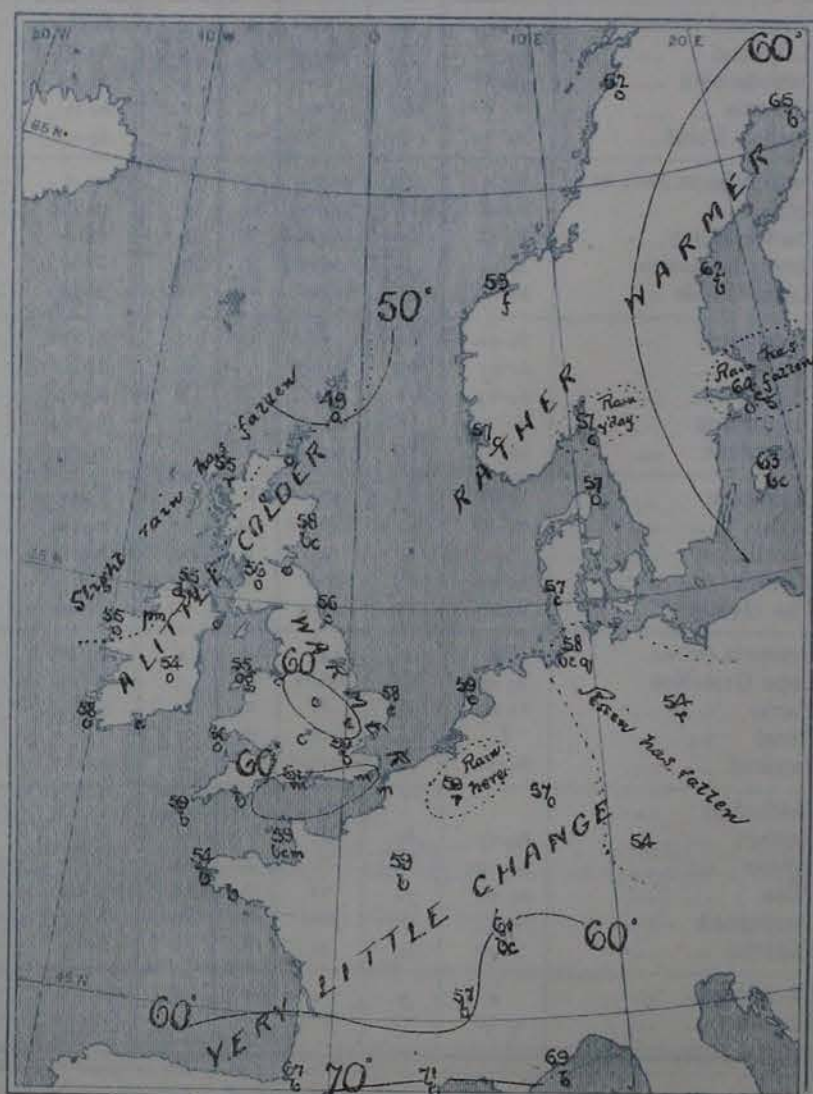
is shown by Letters of the Beaufort Scale.

Falls of 0.5 in. or more are quoted in figures.

(For the month of July)

(For the month of July)

means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and more to 30.5 ins. in an anticyclone lying over the Bay of Biscay, spreading ^{westwards} to France.
 Lowest 29.6 ins. and less over the Baltic and south of Sweden.
 Gradients moderate over the North Sea, slight elsewhere.
 Barometer falling on all our coasts - most in the west and northwest - but not quickly anywhere.

TEMPERATURE

Highest (1) at Perpignan, 67° at Nice, 67° at Biarritz, 61° at Hurst Castle; (2) 62° to 65° at the Swedish stations.
 Lowest 49° at Lumburgh Head, 52° to 53° in the northwest of Norway, and 54° at Berlin and Munich.
 It is rising briskly over England, after a cool night.

WIND

Fresh N.W. to N.N.W. on the eastern shores of the North Sea; light N.W. over Great Britain and the two
 Channels; but has backed to S.W. in the northwest of Ireland. Over the Bay of Biscay it appears to be nearly ^{calm}.

WEATHER

Dull in Germany, with rain at Berlin; fair over the greater part of France, England and Scotland,
 dull in Ireland, with showers in the extreme northwest.

SEA

Very little disturbed except at Lumburgh Head, where it is moderate

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The S.W. wind seems likely to become general in the west and north, with showery weather.

FORECASTS

For the 24 hours ending at NOON on 12TH JULY

1891.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | N.W. and S.W. breezes, increasing in force; rainy |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | N.W. winds, backing towards S.W., light; fine at first, less settled later. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | N.W. and W. breezes, light; fine, warm. |

DISTRICTS.

FORECASTS.

- | | | |
|----------|---------------|---|
| 6 | SCOTLAND WEST | N.W. and S.W. breezes, freshening; showery. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | Same as N ^{os} 3 to 5. |
| 9 | IRELAND NORTH | Same as N ^{os} 6 and 7. |
| 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 ...									Holyhead ...	30.17	62	57	NW	2	cg
Sumburgh Head ...	29.82	53	53	WNW	4	m	5		Valencia ...	30.25	63	56	N	3	cg
Stornoway ...	30.15	58	56	NW	4	o	4		Scilly ...	30.20	60	56	NNE	4	b
Aberdeen ...	29.98	66	58	NNE	2	c	2		Jersey ...	30.16	67	61	WNW	3	b
Shields ...	30.01	70	65	W	3	b	3		Dungeness ...	30.10	62	58	SW	3	bc
Ardrossan ...	30.08	63	57	W	4	c	4		London ...	30.11	69	61	WNW	1	c
Malin Head ...	30.13	55	54	WNW	2	c	2		Yarmouth ...	30.08	61	56	NNE	4	c
Mullaghmore ...	30.20	59	55	W	3	bc	2		Rochefort ...						
Belmullet ...	30.22	57	55	WNW	1	o	*								

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

Weather fair over the greater part of our Islands and the Continent but dull in places with fog at Christiansund and rain at Neopis as well as at Lesine. A little rain falling later in the extreme north and north-west of our Islands and also in some parts of France and Germany, but sky clearing over nearly the whole of England.

Temperature highest 85° at Constantinople, 84° at La Cella, 82° at Palermo, 81° at Brindisi, and 80° at Barcelona, Palma and Cagliari; above 75° at most of the Italian and Mediterranean Stations. Lowest 49° at Christiansund, 50° at Bodo, 52° at Sumburgh Head, and 53° at Malin Head, below 60° in nearly all parts of the United Kingdom and central and northern Europe. Rising later to 70° or a little more at several of the English, Scotch and French stations and reaching 84° at Corunna.

Wind W³ or NW³ over the northern and eastern parts of our Islands, with the North Sea, Denmark, Germany and the Netherlands, light or moderate in force generally, but strong in Denmark and the south of Norway. Light from the E² or NE⁴ in France and also over the northern and central parts of Russia, N³ in the south of Russia. Chiefly S³ in Italy and Algeria. Very little change occurring during day.

Barometer highest 30.1 ins. to 30.2 ins. and upwards in an anticyclone extending from the Atlantic over our Islands and the north of France. Lowest 29.7 ins. and less in a large shallow depression of irregular form extending southwards from Sweden to the south of Russia; 29.8 ins. and less in an elongated area stretching across the central parts of Italy and the Adriatic. Slight fall of barometer taking place over western Europe during day, but no important change occurring in general distribution of pressure.

Remarks on the Weather for the 24 hours ending at 8 am on July 10th.

Weather continuing fine and bright over the Mediterranean, southeastern and southwestern Europe, and improving over the western parts of the United Kingdom; cloudy or overcast elsewhere - showery and unsettled over our eastern districts and the North Sea as well as in Belgium and the north of France. Rain later over the Netherlands and central Europe, and recommencing in the extreme north of our Islands and over Scandinavia; conditions improving over England.

Temperature still low for time of year over northwestern, western and central Europe. Exceeding 80° at some Algerian stations and at Palermo, and 70° in many parts of the most southern countries in Europe; lower elsewhere. Below 60° over the greater part of the British Islands, France and western Germany, and as low as 48° at Wick, 49° at Sumburgh Head, 51° at Bodo and Naum, 52° at Langoes, Malin Head, Stornoway and Christiansund. Not touching 70° in any part of our Islands later, but exceeding that value in the southwest and south of France, exceeding 80° at Nice and Lisbon; touching 90° in some parts of Italy and exceeding 100° at La Cella (Algeria).

Wind N³ over the British Islands and North Sea and blowing freshly over our eastern countries, SW³ to S³ over Holland and Germany; very variable elsewhere. Freshening from NW. on the eastern shores of the North Sea later and veering to NW² over Holland and western Germany. Becoming lighter in our Islands but remaining N³.

Barometer highest 30.2 ins. to 30.0 ins. and more over the western parts of our Islands and France and the neighbouring parts of the Atlantic, and exceeding 29.9 ins. over northern Russia. Lowest 29.7 ins. and less in a complex depression over Holstein, Denmark, the south of Sweden and the Baltic Provinces and in another over the south-east of Russia; 29.8 ins. and less in another lying partly over Finmark, and 29.9 ins. and less in two others - one over the Gulf of Genoa, the other over central Spain. Baltic depression altering in form later, and the barometer rising throughout the British Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT.

for Sunday 12th July 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					3 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 ...	29.67	61	N	2	bc	29.83	+ .13	64	58	- 1	N	4	0	*	73	52	-
	Hernösand ...	29.75	61	NW	4	c	29.90	+ .21	63	58	+ 1	N	2	0	*	79	41	-
	Stockholm ...	29.74	60	Z	0	b	29.92	+ .34	65	57	+ 1	NN	2	0	*	?	54	-
	Wisby ...	29.73	60	ENE	4	c	29.88	+ .33	63	59	0	NNN	4	0	*	68	52	0.08
	Bodö ...	29.87	51	NW	2	0	29.93	+ .12	52	50	0	NW	2	0	1	55	48	-
	Christiansund	29.85	54	NE	3	b	29.90	+ .08	55	52	+ 2	NW	2	0	1	59	48	-
	Skudesnaes ...	29.84	55	NW	7	b	29.97	+ .22	57	52	0	NW	4	0	2	61	46	-
	Christiania Fjord (Færder)	29.76	68	N	2	b	29.93	+ .27	67	61	+ 10	ESE	2	0	1	68	63	-
	Skagen (The Scaw)	29.76	62	N	2	b	29.91	+ .30	65	61	+ 8	Z	0	0	0	70	55	-
	Fanö ...	29.81	56	NW	4	b	29.93	+ .22	61	58	+ 4	NW	4	0	*	65	52	-
BRITISH ISLANDS.	Sumburgh Head	29.88	53	W	1	c	29.87	- .00	55	54	+ 6	S	2	0	3	56	48	-
	Stornoway ...	29.86	56	SW	4	0	29.78	- .15	55	55	0	SW	5	0	5	60	52	-
	Wick ...	29.91	53	S	1	0	29.90	- .02	57	55	+ 2	S	2	0	1	58	52	-
	Nairn ...	29.88	55	W	2	bc	29.86	- .09	61	55	+ 5	SW	2	0	1	64	54	-
	Aberdeen ...	29.94	55	SSE	2	c	29.93	- .03	63	55	+ 5	SSW	2	0	1	64	53	-
	Leith ...	29.95	61	SW	3	0	29.96	- .02	59	54	+ 4	SW	2	0	*	63	54	-
	Shields ...	29.96	61	W	1	0	30.00	+ .02	58	54	+ 2	Z	0	0	1	63	54	-
	Spurn Head ...	29.98	58	SW	3	0	30.08	+ .10	57	54	0	WSW	2	0	3	61	54	-
	York ...	30.06	62	W	1	0	30.05	+ .04	56	54	- 2	W	1	0	*	65	50	-
	Loughborough	30.03	62	W	2	0	30.07	+ .03	56	53	- 5	WNW	1	0	*	64	54	-
GERMANY & HOLLAND.	Ardrossan ...	29.98	58	W	1	0	29.97	- .03	57	55	+ 1	S	2	0	2	60	53	-
	Malin Head ...	29.96	57	SW	3	up	29.90	- .13	57	56	+ 2	S	4	0	2	59	51	0.01
	Mullaghmore ...	29.99	56	SW	1	dp	29.93	- .14	58	55	+ 4	SW	4	0	3	58	53	0.01
	Belmullet ...	29.96	58	SW	3	0	29.91	- .13	58	57	+ 3	SW	4	0	*	59	55	-
	Donaghadee ...	30.00	57	S	1	0	30.00	- .06	58	56	+ 2	SSW	2	0	0	58	55	-
	Liverpool (Bidston)	30.04	55	WNW	2	0	30.04	- .02	59	55	+ 3	SSE	1	0	1	60	54	-
	Holyhead ...	30.05	55	SW	2	og	30.03	- .05	56	55	+ 1	SSW	1	0	1	60	53	-
	Parsonstown ...	30.02	60	Z	0	c	30.00	- .09	58	55	+ 4	Z	0	0	*	61	53	-
	Valencia ...	30.05	57	SSW	4	om	30.01	- .11	58	57	0	SSW	4	0	4	62	56	-
	Roche's Point...	30.07	60	SW	3	bc	30.04	- .10	56	54	0	SW	1	0	2	62	53	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.07	56	W	1	c	30.08	- .02	56	53	0	W	1	0	0	57	51	-
	Scilly ...	30.10	60	NW	2	b	30.07	- .06	61	57	+ 2	S	1	0	0	62	56	-
	Prawle Point ...	30.08	62	W	3	b	30.09	- .01	60	56	+ 1	SE	1	0	0	62	48	-
	Jersey (St. Aubin's)	30.06	60	WNW	3	b	30.08	- .04	67	60	+ 8	WNW	3	0	3	67	47	-
	Hurst Castle ...	30.04	64	WSW	4	b	30.06	- .02	63	60	+ 2	N	1	0	1	66	50	-
	Dungeness ...	29.98	62	W	4	bc	30.03	+ .01	61	59	- 3	S	1	0	1	67	56	-
	London ...	30.01	67	W	1	b	30.05	+ .00	67	60	+ 8	NNE	1	0	*	72	55	-
	Oxford ...	30.03	59	NW	1	c	30.07	+ .01	58	55	0	NW	1	0	*	65	52	-
	Cambridge ...	30.02	64	W	1	0	30.07	+ .04	61	58	0	W	1	0	*	66	55	-
	Yarmouth ...	30.00	60	Z	0	c	30.03	+ .06	60	56	+ 2	NW	2	0	3	61	56	-
PENIN- SULA.	Cuxhaven ...	29.82	59	NW	5	c	29.92	+ .11	60	59	+ 2	N	3	0	*	62	58	-
	Berlin ...	29.79	59	WNW	3	c	29.92	+ .08	59	57	+ 5	WNW	3	0	*	63	?	-
	Wiesbaden ...	*	*	*	*	*	30.03	+ .01	59	55	+ 2	N	2	0	*	64	57	0.04
	Munich ...	30.03	55	NW	1	c	30.04	+ .00	56	?	+ 2	W	3	0	*	64	50	0.28
	The Helder ...	29.98	58	NNW	2	c	?	?	59	55	0	NNW	1	0	1	61	57	-
	Brussels (9 a.m.)	*	*	*	*	*	30.07	+ .07	59	55	0	Z	0	0	*	69	55	-
	Cape Gris Nez	30.01	60	SW	3	c	30.02	+ .00	58	57	0	S	2	0	2	64	55	-
	Paris ...	30.03	69	WNW	2	b	30.07	- .04	59	57	+ 1	Z	0	0	*	?	50	-
	Brest ...	?	69	NE	2	b	?	?	56	55	+ 2	NE	2	0	2	70	50	-
	Lorient ...	30.07	71	W	1	b	30.04	- .09	57	53	+ 1	ENE	2	0	1	73	54	-
FRANCE AND BELGIUM.	Rochefort ...	30.07	68	WNW	3	b	29.98	- .04	63	58	+ 3	ENE	4	0	*	81	57	-
	Belfort ...	30.03	64	W	3	bc	30.03	- .04	64	59	+ 3	W	2	0	*	76	48	-
	Lyons ...	30.05	68	N	2	b	30.02	- .04	63	56	+ 6	N	2	0	*	?	?	-
	Nice ...	29.86	70	SW	2	b	29.89	+ .06	71	61	+ 2	NE	1	0	0	82	64	-
	Perpignan ...	29.93	80	NW	3	b	29.97	- .02	69	61	- 2	Z	0	0	*	84	55	-
	Biarritz ...	29.97	72	NE	4	b	29.92	- .14	67	59	0	ESE	4	0	2	82	61	-
	Corunna ...	*	*	*	*	*	?	?	67	63	- 1	?	0	0	2	81	61	-
Lisbon ...	29.99	66	WNW	4	b	30.06	+ .11	68	59	0	WNW	3	0	2	?	63	-	

WEATHER CHARTS

for 8 a.m. on Sunday, 12th July, 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 the cheeks and feathers refer to force thus—
 → forces above 10 → forces 8 to 10;
 → forces 5 to 7 → forces 1 to 4;
 — dead calm.

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

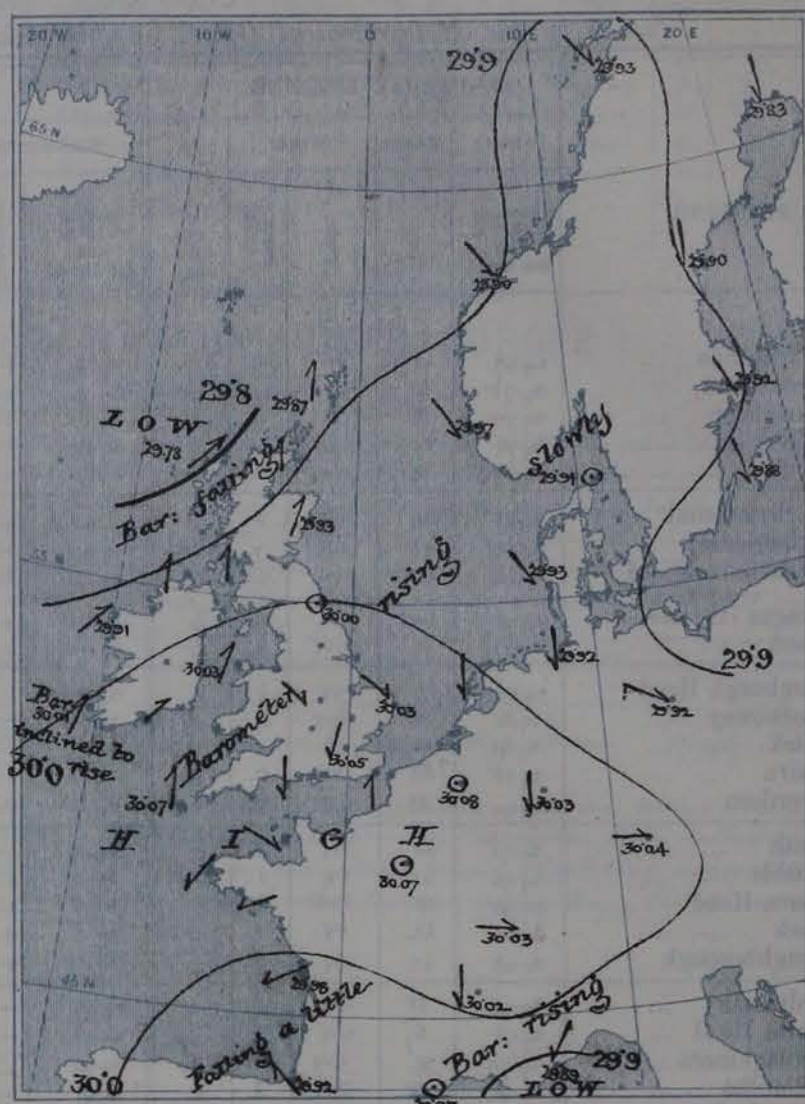
MEAN HEIGHT OF THE BAROMETER

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

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.956
Mullaghmore	29.969
Donaghadee	29.977
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Seilly	29.971
Prawle Point	29.987
Jersey	30.004
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

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

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

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet, at 8 a.m.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	54.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.8	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.68
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.1	57.6	2.34
Ardrossan	65.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	51.0	57.2	54.4	3.72
Donaghadee	61.2	51.8	57.4	55.5	2.82
Holyhead	63.8	51.3	58.1	55.8	2.40
Liverpool	65.9	51.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	51.8	58.0	55.0	2.54
Seilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.24
Dover	66.8	56.3	61.9	58.1	1.55
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	51.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.0 ins: and upwards, in an anticyclone of irregular form lying over England, the southeast of Ireland, western Germany, and the northern parts of France, and extending southwards over the Bay of Biscay to Portugal.</p> <p>Lowest, 29.8 ins: and less, in a depression lying to the northward of the Hebrides, 29.8 ins: and less, in a small shallow disturbance lying over the northeast of Spain.</p> <p>Gradients slight. Barometer rising at all but the Irish and Scotch stations.</p>
TEMPERATURE	<p>Highest, 71° at Nice, 69° at Perpignan, 67° at Yander, London, Jersey, Biarritz, and Comuna, and 66° at Lisbon.</p> <p>Lowest, 52° at Bodo, 55° at Christiansund, Sumburgh Hd and Stromway, and 56° at Holyhead, Rocherpoint, and Ambrose.</p> <p>The highest maxima registered over our Islands yesterday were 72° in London, and 67° at Jersey and Dungeness.</p>
WIND	<p>Light to moderate from the S^W or S^Wnd in the west and north of our Islands, but variable in the south and southeast.</p> <p>NW³ or N³ over Scandinavia, Denmark, the Netherlands and western Germany; NE¹ or E¹ in France.</p>
WEATHER	<p>Dull in Ireland and the west and north of Scotland, but fine in nearly all other parts of Western Europe.</p> <p>A little rain fell yesterday in Germany, and also in the north of Ireland.</p>
SEA	<p>Slight or smooth generally, but rather rough at Stromway.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

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

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

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.78	61	55	NNW	6	b	2		Holyhead ...	30.06	55	54	WSW	1	og
Sumburgh Head ...	29.88	54	53	W	1	o	3		Valencia ...	30.09	62	56	WSW	4	co
Stornoway ...	29.89	57	56	SW	4	c	4		Scilly ...	30.11	61	57	NN	3	b
Aberdeen ...	29.95	57	53	SSE	2	c	1		Jersey ...	30.12	62	57	W	3	b
Shields ...	29.97	60	55	NNW	3	c	2		Dungeness ...	30.00	64	61	W	4	bc
Ardrossan ...	29.99	58	55	W	1	o	1		London ...	30.03	67	60	NNW	2	bc
Mulin Head ...	29.99	57	53	W	2	o	2		Yarmouth ...	30.00	60	56	NNE	3	c
Mullaghmore ...	30.02	56	54	WSW	2	omp	2		Rocheport ...	30.07	66	58	NNW	3	b
Belmullet ...	30.01	59	56	SW	2	o	*								

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

Weather in morning fine and bright over Spain, France, and the southwest of England, cloudy or overcast in almost all other regions, with rain at several stations in the west and northwest of our Islands, on the eastern and southern shores of the Baltic and at Riga. Rain later at several of the Baltic and German stations, as well as on the shore of the Adriatic, but only a trace in our Islands (in the extreme northwest).

Temperature not changed much except over southeastern Europe, where a fall was reported; inclined to rise over England, ~~as far as the north is concerned~~; ~~inclined to rise in England~~. Morning readings exceeding 70° at the Mediterranean stations generally, and exceeding 80° at Palermo, Brindisi, and Constantinople; much lower elsewhere. Below 60° over the greater part of our Islands and northern Europe and as low as 49° at Sumburgh Hd., 52° at Bodo, and 55° on our extreme northwestern coasts. Rising later to 72° in London, to upwards of 80° in the south of France, to 88° in the south of Italy, and to 90° and more in some parts of Spain and Algeria.

Wind (1) N to NE over Northern Europe, NW over the British Islands and North Sea, W over North Germany; (2) N to NE in the north of Italy, NW in Sardinia, N and SW in south Italy. (3) NE over the Bay of Biscay and Iberian Peninsula, as well as in the south of Russia. Backing to SW in the northwest of our Islands later, and falling very light to the eastward of the North Sea.

Barometer highest 30.1 ins. and more to 30.0 ins. over the Bay of Biscay, France the north of Spain, and the greater part of the United Kingdom. Lowest 29.3 ins. and less, in a well marked depression over central Russia, and 29.8 ins. and less in shallower ones over the Black Sea and Italy. Russian system filling up rapidly later, small disturbances forming over Spain; barometer falling slowly on our coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT.

for *Monday 13th July.* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																	
METEOROLOGICAL OFFICE, 65, VICTORIA STREET, LONDON.																	
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 ...	30.03	65	N	2	6c	30.22	+19	66	60	+2	SW	4	G	*	77	55	—
Hernösand ...	30.05	65	N	0	6c	30.25	+19	66	60	+3	SW	2	G	*	77	48	—
Stockholm ...	30.13	63	N	0	6c	30.26	+14	69	60	+4	S	2	G	*	75	52	—
Wisby ...	30.04	58	SW	3	6c	30.15	+27	66	53	+3	N	4	G	*	70	52	—
Bodö ...	29.97	58	N	1	6c	30.17	+24	55	54	+3	N	0	G	0	70	50	—
Christiansund	30.05	57	N	1	C	30.17	+27	58	54	+3	NW	1	C	1	?	52	—
Skudesnaes ...	30.10	58	N	1	C	30.21	+24	59	54	+2	S	2	C	2	63	48	—
Christiania Fjord (Færdar)	30.06	68	SW	3	6c	30.20	+27	69	62	+2	ESE	2	G	1	70	64	—
Skagen (The Scaw)	30.06	66	N	0	C	30.15	+28	67	63	+2	SE	1	C	0	68	53	—
Fanö ...	30.08	57	NW	4	6c	30.17	+24	61	59	0	NNW	2	0	*	66	53	—
Sumburgh Head	29.91	57	S	2	C	30.12	+25	58	56	+3	N	1	0	2	61	51	—
Stornoway ...	29.89	57	SW	4	6c	30.00	+22	57	56	+2	N	4	0	4	60	52	0.01
Wick ...	29.95	59	S	2	6c	30.13	+25	63	60	+6	N	1	6c	1	67	52	—
Nairn ...	29.93	63	SW	3	C	30.11	+25	62	58	+1	SW	2	C	1	69	54	—
Aberdeen ...	29.96	65	S	2	C	30.17	+24	62	57	-1	ENE	1	C	1	69	56	0.01
Leith ...	30.01	63	SW	2	0	30.17	+21	60	57	+1	WSW	1	C	*	65	54	0.05
Shields ...	30.04	61	N	0	0	30.18	+18	62	53	+4	SW	1	C	1	62	53	—
Spurn Head ...	30.06	59	E	1	C	30.18	+10	60	57	+3	WNW	2	0m	2	61	56	—
York ...	30.07	63	N	1	0	30.20	+15	61	56	+5	NW	1	C	*	65	52	—
Loughborough	30.07	66	N	1	C	30.21	+14	59	56	+3	N	0	0m	*	70	48	—
ARDROSSAN ISLANDS.																	
Ardrossan ...	30.03	58	SW	2	0	30.17	+20	59	57	+2	SW	1	C	1	59	54	0.01
Malin Head ...	29.98	60	SW	3	0	30.16	+26	59	56	0	NW	2	0	2	60	54	0.06
Mullaghmore ...	29.99	63	SW	4	0	30.18	+25	58	56	0	WSW	1	6c	3	65	54	0.04
Belmullet ...	29.97	58	WSW	3	0m	30.20	+19	59	57	-1	SW	1	0	*	62	54	0.02
Donaghadee ...	30.04	59	SW	3	C	30.18	+18	61	59	+3	WSW	2	m	0	66	57	—
BRITISH ISLANDS.																	
Liverpool (Bidston)	30.09	61	NNW	1	0	30.21	+17	62	56	+3	N	1	C	1	65	53	—
Holyhead ...	30.07	59	SW	2	C	30.20	+17	66	62	+10	N	0	6c	0	66	54	—
Parsonstown ...	30.03	63	N	0	6c	30.21	+21	59	56	-1	N	0	0	*	65	54	0.03
Valencia ...	30.06	61	SW	4	0m	30.22	+21	61	58	+3	S	1	C	1	62	53	—
Roche's Point...	30.09	59	SW	2	0	30.23	+19	59	55	+1	SE	1	f	2	61	53	—
Pembroke (St. Ann's Hd.)	30.10	57	WSW	1	6c	30.21	+13	61	56	+5	N	1	0m	0	61	55	—
Scilly ...	30.12	63	SE	2	6c	30.21	+14	63	57	+2	E	3	6c	2	65	57	—
Prawle Point ...	30.10	60	N	1	6c	30.19	+10	63	59	+3	N	2	6c	1	63	51	—
Jersey (St. Aubin's)	30.09	64	NNW	3	6c	30.17	+09	63	59	-4	NNW	2	6cm	2	68	50	—
Hurst Castle ...	30.06	68	WSW	2	6m	30.17	+11	60	57	-3	N	2	cm	1	70	54	—
Dungeness ...	30.05	60	SE	2	m	30.15	+12	63	60	+2	S	2	m	0	63	57	—
London ...	30.05	69	ENE	1	6m	30.17	+12	62	60	-5	E	1	0g	*	69	58	—
Oxford ...	30.05	61	NW	1	6c	30.19	+12	60	58	+2	N	1	cm	*	69	49	—
Cambridge ...	30.11	68	N	1	0	30.21	+14	62	59	+1	E	1	0	*	71	52	—
Yarmouth ...	30.07	60	ENE	2	C	30.19	+16	61	57	+1	NNE	1	6c	2	63	55	—
GERMANY & HOLLAND.																	
Cuxhaven ...	30.06	60	N	3	6c	30.16	+24	60	59	0	N	3	6c	*	62	55	—
Berlin ...	30.03	66	NNW	1	6c	30.15	+23	63	61	+4	NNW	1	m	*	75	57	—
Wiesbaden ...	*	*	*	*	*	30.16	+13	62	57	+3	N	2	6c	*	66	52	—
Munich ...	30.11	58	SW	2	C	30.16	+12	59	58	+3	E	1	6c	*	64	46	0.04
The Helder ...	30.13	60	NE	1	6c	30.22	?	57	57	0	E	1	C	1	64	59	—
FRANCE AND BELGIUM.																	
Brussels (8 a.m.)	30.05	63	N	1	m	30.19	+12	62	59	+3	N	0	0	*	68	53	—
Cape Gris Nez	30.05	70	NNE	1	6c	30.15	+13	63	58	+5	N	0	6c	0	66	57	—
Paris ...	30.05	70	NNE	1	6c	30.16	+09	60	57	+1	NE	1	6c	*	74	50	—
Brest ...	?	69	NE	3	6c	?	?	57	55	+1	E	2	6c	3	72	50	—
Lorient ...	30.06	69	NNW	1	6c	30.17	+13	57	54	0	NE	3	6c	2	79	55	—
ROCHEFORT ISLANDS.																	
Rochefort ...	29.95	78	ENE	4	C	30.02	+04	65	61	+2	NE	4	6c	2	84	61	—
Belfort ...	30.15	64	N	2	6c	30.15	+12	62	59	-2	N	2	6c	*	75	50	—
Lyons ...	29.97	74	N	1	6c	30.08	+06	62	58	-1	N	1	6c	*	78	57	—
Nice ...	29.89	69	SW	2	6c	29.97	+08	66	63	-5	N	0	6c	0	81	61	—
Perpignan ...	29.93	72	E	1	0	30.01	+04	75	67	+6	N	2	6c	*	78	64	0.08
Biarritz ...	29.97	69	N	5	0	30.08	+16	66	64	-1	WSW	3	6c	2	83	66	—
PENINSULA.																	
Corunna ...	30.02	69	NNW	4	6c	30.00	?	67	62	0	SW	2	0	5	72	57	—
Lisbon ...	30.02	69	NNW	4	6c	29.95	-11	63	60	-3	NNE	4	0	2	75	60	—

WEATHER CHARTS

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

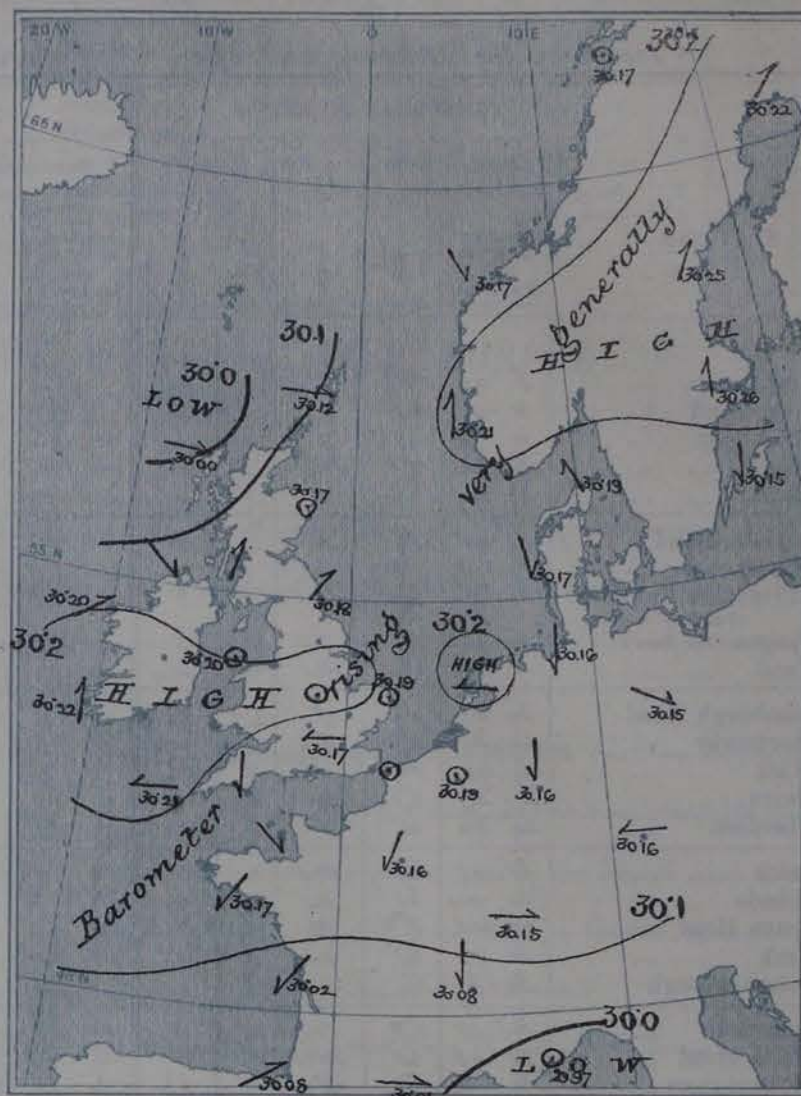
at 8.0 a.m. for the month of July

During the 20 Years: 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.765
Wick	29.800
Nairn	29.815
Aberdeen	29.826
Leith	29.841
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	AT 8 A.M.		
			Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	53.5	53.6	3.02
Wick.....	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.6	53.9	2.78
Leith.....	66.7	51.2	58.4	54.9	2.85
Shields.....	64.1	52.2	58.3	55.0	2.66
Spurn Head.....	65.1	55.2	59.5	56.8	1.74
York.....	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore.....	62.9	51.0	57.2	54.4	3.72
Donaghadee.....	63.2	51.8	57.4	55.5	2.82
Holyhead.....	63.8	54.3	58.1	55.8	2.40
Liverpool.....	65.9	51.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia.....	64.0	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke.....	62.5	54.8	58.0	56.0	2.54
Scilly.....	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.6	53.7	59.6	57.3	2.24
Jersey.....	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.24
Dover.....	66.8	56.3	61.9	58.4	1.05
LONDON.....	72.4	54.6	62.0	57.8	2.38
Oxford.....	69.6	53.4	60.0	56.6	2.58
Cambridge.....	71.9	52.2	61.3	57.7	2.42
Yarmouth.....	66.6	54.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. and upwards, over Scandinavia, Ireland and the central parts of England, and the extreme north of Holland.
 Lowest, 30.0 in. and less, over the southern parts of the Iberian Peninsula and the extreme south of France.
 Gradients very slight and rather irregular.
 Barometer rising generally, but falling a little at Lisbon.

TEMPERATURE

Highest, 75° at Perpignan, 69° at Stockholm, 67° at Skagen and 66° at Haparanda, Kuusamo, Baniy, Nis, and Liebow.
 Lowest, 55° at Bodo, 54° at Tromsø, Malin Head, Belmullet, Lismore, Rocher Point, Brest, and Lorient.
 The highest maxima registered over our Islands yesterday were 71° at Loughborough and Hunt Castle.

WIND

Light from the S.W. or W. over the northern parts of the United Kingdom, but N.E. over the south of our Islands and the greater part of France.
 S. in Sweden; variable over Denmark, Germany, and the Netherlands.

WEATHER

Fair or fine over the whole of Western Europe, but hazy at several of our southern stations, and foggy at Rocher Point.
 Slight rain fell yesterday in some parts of Ireland and Scotland, and a solar halo was seen at Oxford.

SEA

Smooth on nearly all coasts, but moderate at Tromsø.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

For the 24 hours ending at NOON on 14th July

1891.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

Light breezes, chiefly S.W., fair generally.
 Light variable airs; fair generally, but local mists.
 N.E. winds, light, fair generally, but haze or fog locally.

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

Same as N° 1 and 2.

Same as N° 3 to 5.

Same as N° 0.

Same as N° 1 and 2.

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 ...									Holyhead ...	30.06	60	57	SW	2	09	1		
Sumburgh Head ...									Valencia ...									
Stornoway ...	29.84	57	58	SW	5	c	5		Scilly ...	30.09	61	60	N	3	6	3		
Aberdeen ...									Jersey ...	30.09	63	60	SW	2	m	1		
Shields ...									Dungeness ...							*		
Ardrossan ...									London ...									
Malin Head ...	29.93	57	57	SW	4	0	2		Yarmouth ...	29.97	71	61	ENE	4	0	2		
Mullaghmore ...									Rochefort ...									
Belmullet ...	29.94	62	57	SW	4	0	*											

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

Weather in morning fine and bright over France and the Mediterranean, as well as some parts of southeastern Europe and in Denmark; cloudy or overcast in most other places, and unsettled on our northwestern coasts as well as over northern Europe, and in Hungary. Slight rain at our northwestern and northern stations later and in South Germany, but fine weather experienced over France, England and the North Sea.

Temperature risen a little over the North Sea, Germany and Austria. Morning readings highest (70° and more) at most of the Mediterranean stations, and above 60° over southern and eastern Europe generally, as well as in several localities further North. Below 60° over the greater part of our Islands and on the Norwegian coast, and as low as 52° at Bodø, 53° at Christiansund, Sumburgh Head and Stornoway, 56° at York and Loughborough, 57° at Cracow. Rising to 70° at very few of our own stations later, but to 83° at Biarritz, and to 84° at Rochefort.

Wind very light and variable in most places, but moderate NE^{ly} to E^{ly} over the Bay of Biscay, SW^{ly} on the Irish and Scotch coasts, NW^{ly} in Norway, N^{ly} on the eastern shores of the North Sea, and W^{ly} over Germany. No important change later.

Barometer - Highest (1) 30.0 ins. and more in an anticyclone stretching eastwards from the Atlantic over England to the north and east of France and to western Germany; (2) 30.0 ins. to 29.9 ins. in another depression lying over central Russia. Lowest 29.6 ins. and less in a depression over the White Sea, 29.8 ins. and less in another off the extreme northwestern coasts, and 29.9 ins. and less in other very shallow ones over Spain and the extreme south coast of France. Rising slowly over our Islands later, falling in France.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 5TH TO 11TH JULY 1891.

During the early part of last week the weather over western Europe remained in a very showery, unsettled state with thunderstorms in many parts of the United Kingdom and France. Towards the close of the period, however, a decided improvement set in, the weather during the rest of the week being mainly fine, with a gradual rise of temperature.

On the 5th a large anticyclone lay over the Bay of Biscay and France, while a well marked depression existed over the west of Ireland, the winds over our Islands being SW^{ly} in the south, but SE^{ly} in the north, with showery weather in most districts. During the ensuing night the depression in the west moved northwards, but on the following day a new disturbance appeared off the Irish coasts, the latter disturbance ultimately travelling eastwards across the northern parts of the United Kingdom and southeasterly to the neighbourhood of the Danish coasts where it quickly dispersed. During the passage of the depression thunderstorms and considerable falls of rain were experienced in many parts of the Kingdom, while strong winds from between SW. and W. prevailed on our western and southern coasts, with a gale in the Channel.

In the rear of the depression the barometer rose steadily and a large anticyclone spread over our Islands from the Atlantic. The wind therefore veered to the NW^{ly} or N^{ly} and the weather improved considerably, while temperature rose gradually. The maximum readings were, however, very little above 70° in any part of the Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT.

for *Tuesday 14th July.* 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.		SEADE TEMP.			WIND.		Weather.	Sea.	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 ...	30.32	62	S	2	6.	30.34	+12	68	58	+2	S	2	6c	*	73	55	—	
	Hernösand ...	30.35	64	SSW	2	6.	30.35	+14	67	60	+1	SSW	2	6	*	73	55	—	
	Stockholm ...	30.33	63	SESE	2	6.	30.32	+06	67	59	-2	NNE	2	6c	*	73	53	—	
	Wisby ...	30.26	63	ENE	4	6.	30.17	+02	70	64	+4	ENE	4	6	*	75	54	—	
	Bodö ...	30.28	53	2	0	6.	30.38	+21	54	51	-1	WOW	2	0	1	55	50	—	
	Christiansund	30.32	60	2	0	c	30.44	+27	56	54	-2	NW	2	6	1	63	52	—	
	Skudesnaes ...	30.32	58	NNW	2	c	30.36	+15	64	53	+5	NNW	2	6	1	66	54	—	
	Christiania Fjord (Færder)	30.27	68	WOW	2	6.	30.30	+10	65	60	-4	N	4	6	1	72	63	—	
	Skagen (The Seaw)	30.26	67	2	0	6c	30.21	+02	66	62	-1	NW	1	0	1	72	55	—	
	Fanö ...	30.24	57	NW	1	6.	30.23	+06	68	65	+7	E	1	6	*	70	53	0.20	
BRITISH ISLANDS.	Sumburgh Head	30.26	60	W	1	6.	30.42	+30	56	54	-2	NNW	1	6	1	64	46	—	
	Stornoway ...	30.25	61	W	3	6c	30.40	+40	53	56	+2	E	2	6c	2	62	41	0.02	
	Wick ...	30.33	64	2	0	6.	30.45	+30	61	60	-1	E	1	6	0	67	49	—	
	Nairn ...	30.24	65	2	0	6.	30.42	+31	58	56	-4	2	0	0	69	45	0.01		
	Aberdeen ...	30.28	61	SESE	1	6c	30.48	+26	60	57	-2	ENE	2	6	2	66	52	—	
	Leith ...	30.23	66	WOW	1	6c	30.40	+23	57	57	-2	NNW	1	6	*	73	53	0.08	
	Shields ...	30.25	61	E	1	c	30.36	+18	59	57	-3	2	0	6	1	67	51	—	
	Spurn Head ...	30.25	62	2	0	6m	30.31	+13	60	56	0	NE	3	6m	2	63	53	—	
	York ...	30.25	69	NNW	1	6.	30.35	+15	61	56	0	NE	1	6	*	71	46	—	
	Loughborough	30.26	67	ENE	1	0	30.32	+11	62	58	+3	NE	2	6m	*	72	48	—	
GERMANY & HOLLAND.	Ardrossan ...	30.26	65	W	1	6.	30.33	+20	60	56	+1	2	0	6	0	66	48	—	
	Malin Head ...	30.30	61	N	1	6.	30.38	+22	56	53	-1	NE	1	6m	1	63	53	—	
	Mullaghmore ...	30.28	63	NW	1	6v	30.33	+15	58	53	0	ENE	4	6	2	63	52	—	
	Belmullet ...	30.30	58	NNW	1	c	30.33	+13	61	58	+4	E.	1	6	*	65	54	—	
	Donaghadee ...	30.30	58	NNE	3	6c	30.38	+20	56	53	-5	NNE	3	6	1	63	53	—	
	Liverpool (Bilston)	30.28	66	NW	2	6.	30.33	+12	61	59	-1	W	1	6c	2	67	55	—	
	Holyhead ...	30.28	61	NW	1	6.	30.34	+14	61	57	-5	NE	1	6m	1	65	54	—	
	Parsonstown ...	30.26	70	2	0	6.	30.34	+13	55	54	-2	2	0	0	*	71	45	—	
	Valencia ...	30.30	65	WOW	1	6m	30.30	+08	66	61	+5	2	0	6	1	69	51	—	
	Roche's Point...	30.26	62	S	2	6c	30.32	+09	64	59	+7	SESE	3	6	3	65	53	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.25	55	N	4	6.	30.25	+08	55	56	-2	E	2	6m	1	60	55	—	
	Soilly ...	30.26	63	NNE	4	6.	30.22	+01	63	59	0	E	4	6c	4	64	57	—	
	Prawle Point ...	30.21	66	NNE	2	6c	30.21	+02	62	56	-1	ENE	4	6	3	71	56	—	
	Jersey (St. Aubin's)	30.18	67	NNW	3	6m	30.23	+06	65	55	+2	E	4	6m	3	68	58	—	
	Hurst Castle ...	30.21	68	SE	1	m	30.27	+10	63	57	+3	ENE	2	m	1	70	54	—	
	Dungeness ...	30.20	62	ENE	4	m	30.22	+07	62	58	-1	NE	4	6c	3	68	55	—	
	London ...	30.25	63	SESE	2	og	30.25	+12	60	53	-2	NNE	1	6m	*	72	48	—	
	Oxford ...	30.28	61	SE	2	c	30.25	+10	61	57	+1	NW	1	6m	*	68	47	—	
	Cambridge ...	30.27	67	E	1	6.	30.30	+09	63	58	+1	NE	1	6	*	71	53	—	
	Yarmouth ...	30.26	63	NE	2	6.	30.25	+10	61	57	0	NE	2	6	2	65	53	—	
FINLAND.	Cuxhaven ...	30.22	60	N	3	6.	30.22	+06	66	64	+6	NNE	2	6	*	66	60	—	
	Berlin ...	30.19	69	NE	3	6.	30.02	-13	59	55	-4	NNW	5	7	*	75	55	—	
	Wiesbaden ...	*	*	*	*	*	30.15	-01	64	63	+2	NE	1	6	*	75	53	—	
	Munich ...	30.18	60	2	0	6.	30.13	-03	60	57	+1	SW	2	6	*	68	50	—	
	The Helder ...	30.28	61	NE	2	6c	30.28	+06	60	56	+1	NE	2	6c	2	63	59	—	
	Brussels (9 a.m.)	*	*	*	*	*	30.22	+07	60	58	-3	NE	4	6c	4	68	53	—	
	Cape Gris Nez	30.20	62	NE	4	m	30.22	+07	60	58	-3	NE	4	6c	*	74	54	—	
	Paris ...	30.17	65	N	3	6.	30.16	0.0	62	57	+2	NNE	2	6	*	74	54	—	
	Brest ...	30.10	66	E	3	6.	30.04	?	58	57	+1	SESE	3	6	3	68	54	—	
	Lorient ...	30.15	71	NE	1	6.	30.17	0.0	61	57	+4	ENE	3	6	2	77	57	—	
FRANCE AND BELGIUM.	Rochefort ...	30.04	74	NNW	3	6.	30.06	+04	65	60	0	ENE	4	6	2	75	55	—	
	Belfort ...	30.07	64	E	2	6c	30.08	-07	68	59	+6	E	2	6c	*	70	50	—	
	Lyons ...	30.04	74	N	2	6.	30.08	0.0	64	58	+2	NNW	1	6	*	75	55	—	
	Nice ...	25.55	73	SW	2	6.	30.04	+07	70	63	+4	2	0	6	0	77	63	—	
	Perpignan ...	25.58	80	SE	2	6.	30.04	+03	75	67	0	SW	1	6	*	88	61	—	
	Biarritz ...	30.04	74	NE	2	6.	30.02	-06	68	65	+2	NW	2	0	2	81	64	—	
	Corunna ...	25.89	73	NNW	3	6.	30.00	+05	65	62	+2	W	3	6	2	77	63	—	

WEATHER CHARTS

for 8 a.m. on Tuesday, 14th July, 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

the feathers and barbs refer to force thus

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

→ dead calm.

SEA DISTURBANCE — Where considerable, is shown thus:

— Rough, — High.

MEAN HEIGHT OF THE BAROMETER

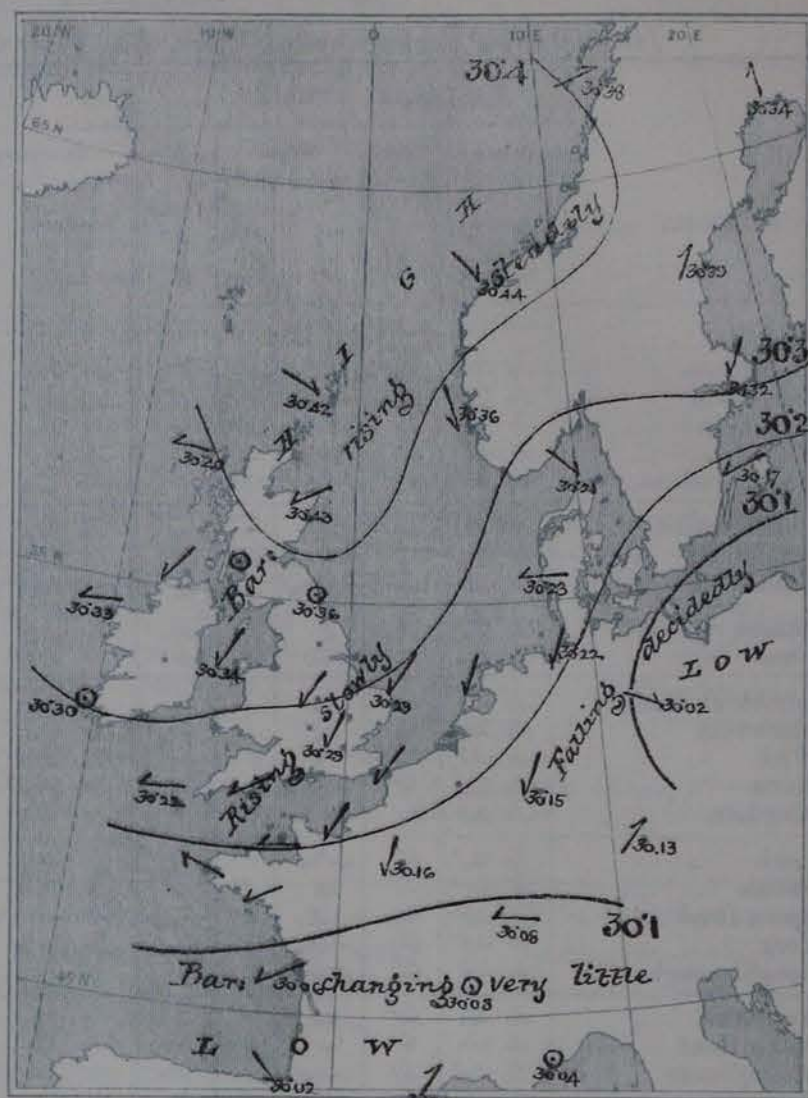
at 8.0 a.m. for the month of July

During the 20 Years: 1871-1890.

STATIONS.

MEAN READINGS.

Sumburgh Head	29.784
Stornoway	29.795
Wick	29.800
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Silly	29.974
Prawle Point	29.987
Jersey	30.004
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.920



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and upwards, in a large anticyclone lying over Scotland, the northern parts of the North Sea, and the west of Norway.
Lowest, 30.0 ins. and less, in a large shallow depression lying over Spain; 30.1 ins. and less, in another shallow disturbance over Germany.
Gradients slight generally. Barometer falling somewhat decidedly over Germany and the Baltic, and slightly at some of the French stations, but rising elsewhere.

TEMPERATURE

Highest, 75° at Perpignan, 70° at Nice and Nice, 68° at Vespasandra, Belfort, and Biarritz, and 67° at Helsingfors and Stockholm.
Lowest, 54° at Bordeaux, 55° at Pau, and 56° at Christiania, Sundby, H. Malin H. and Donaghadee.
The highest maxima registered over our Islands yesterday were 73° at Lough, and 72° at Loughborough and in London.

WIND

Light or moderate from the Eth or NEth over the greater part of Western Europe, but Wth or SWth in the north of Scandinavia, as well as over Germany and the south of France.

WEATHER

Fine generally, but cloudy at some of the inland stations.
Fog is reported at Christiania and rain at Berlin.
Light rain fell yesterday in some parts of Scotland and also in the London district.

SEA

Slight or smooth generally, but moderate at Lally and Cape Girardeau.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which is forming over Germany may possibly spread westwards, and affect the weather in the east and southeast of England. In all other parts of the Kingdom conditions are likely to remain fine for the present.

FORECASTS

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

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

Eth and NEth winds, light, fine generally.

Same as No 5

NEth winds, light to fresh; fine to unsettled and showery.

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

WARNINGS

Same as No 0 and 1.

NEth winds, light or moderate; fine generally.

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 ...	30.27	66	58	W	2	C	2		Holyhead ...	30.26	63	59	NW	1	1
Sumburgh Head ...	30.22	61	58	W	1	C	2		Valencia ...	30.24	64	60	W	2	2
Stornoway ...	30.20	61	58	W	2	O	3		Scilly ...	30.24	63	60	NNE	3	3
Aberdeen ...	30.24	62	57	SE	2	bc	1		Jersey ...	30.18	64	62	NW	3	3
Shields ...	30.23	66	57	2	0	C	1		Dungeness ...	30.19	65	61	E	2	1
Ardrossan ...	30.23	66	60	SW	1	bc	1		London ...	30.22	64	62	ESE	2	*
Malin Head ...	30.26	63	59	NW	2	C	1		Yarmouth ...	30.23	65	61	NE	3	2
Mullaghmore ...	30.26	62	58	N	1	Gr	3		Rochefort ...	30.07	51	74	ENE	3	?
Belmullet ...	30.26	63	58	WNW	1	bc	*								

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

Weather in morning fair over the United Kingdom generally, fine and bright over Sweden, western Germany, France, and southern Europe; dull and unsettled over southeastern Europe, with rain at Hermannstadt and Lemberg. Some rain later in Scotland and at Faro, but as a whole weather continuing fair elsewhere.

Temperature risen slightly over northwestern Europe, fallen in southeast, morning readings exceeding 70° on the Spanish coast, and at most of the Mediterranean stations and at Constantinople; ranging from 64° to 69° on the shores of the Baltic and in the Sound, lower elsewhere, and below 60° in various parts of the British Islands and northwestern and central Europe; lowest, 54° at Prague and Le Mans, 55° at Bodo, 57° at Stornoway, Hermannstadt, and Belmullet, 58° at Archangel, Christiania, Pembroke, Breslau and Lemberg. Rising later to between 70° and 73° in several parts of our Islands and Scandinavia, to 80° and more in the south of France, to 95° at Rochefort, and to 99° at Lisbon.

Wind very light in force and variable in direction. Mainly S¹ to SW¹ in Ireland and Scotland, N¹ in Denmark, western Germany, the English Channel, and France, NE¹ over the Bay of Biscay. N¹ air settling in over Ireland later, and a NE¹ wind in the English Channel.

Barometer highest 30.3 ins. to 30.2 ins. in an anticyclone over northern Europe, and exceeding 30.2 ins. in many parts of the United Kingdom and the Netherlands. Lowest 29.8 ins. and less over the Black Sea and Asia Minor, and below 30.0 ins. over the extreme northwestern parts of the British Islands. Rising over the United Kingdom during the day as a new anticyclone advanced over Ireland 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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TERMS:—For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT.

for *Wednesday 15th July.* 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.			
			Reading at 32° F. and Sea Level.	Dry.			Direc.	Force. (0 to 12.)	Dry.	Wet.	Difference from 8 a.m. yesterday.			Direc.	Force. (0 to 12.)		Max.	Min.	
SCANDINAVIA.																			
Haparanda ...	†	30.76	63	SW	2	G	30.27	+0.3	70	62	+2	N	4	G	*	75	59	—	
Hernösand ...	†	30.42	63	S	2	G	30.36	-0.3	69	60	+2	NNE	2	G	*	84	50	—	
Stockholm ...	†	30.22	63	N	4	C	30.14	-1.8	72	63	+5	E	6	bc	*	75	53	—	
Wishby ...	†	30.06	66	ESE	4	C	29.99	-1.8	70	67	0	ESE	4	bc	*	81	?	0.04	
Bodö ...	†	30.47	53	W	1	C	30.49	+1.1	54	57	0	SW	1	C	1	57	50	—	
Christiansund	†	30.42	56	NNE	2	f	30.36	-0.8	55	54	-1	NE	4	f	2	59	54	—	
Skudesnaes ...		30.26	60	NNW	6	C	30.12	-1.4	72	55	+8	NNE	2	0	2	?	53	—	
Christiania Fjord (Færd)		30.19	72	ESE	4	G	30.10	-1.20	67	62	+2	N	5	T	2	75	64	—	
Skagen (The Seaw)		30.11	69	ENE	3	f	29.97	-1.22	67	64	+1	E	4	bc	2	?	61	0.16	
Fanö ...		30.02	61	N	4	T	29.84	-1.39	64	63	-4	NNE	4	C	*	77	61	0.32	
Sumburgh Head		30.42	58	NNW	2	G	30.29	-1.3	58	52	-3	NE	2	C	2	61	50	—	
Stornoway ...		30.38	59	E	3	G	30.26	-1.4	59	57	0	E	2	bc	2	65	49	—	
Wick ...		30.45	62	S	0	G	30.31	-1.4	54	52	-1	NE	1	0	0	68	46	—	
Nairn ...		30.47	64	E	2	G	30.27	-1.5	55	56	-1	S	0	0	0	65	47	—	
Aberdeen ...		30.42	56	ENE	3	bc	30.25	-1.8	57	52	-3	NNW	3	C	3	61	49	—	
Leith ...		30.38	63	NE	2	0	30.25	-1.5	63	56	+5	NNE	1	bc	*	66	52	—	
Shields ...		30.34	61	NNW	3	C	30.20	-1.6	56	53	-3	NNW	4	0	3	64	53	—	
Spurn Head ...		30.25	59	NNE	3	0	30.10	-1.2	55	55	-1	NNE	4	C	3	63	56	—	
York ...		30.30	65	E	2	G	30.17	-1.8	60	56	-1	N	3	C	*	68	49	—	
Loughborough		30.26	63	ENE	3	0	30.15	-1.7	57	54	-3	NE	3	om	*	71	55	—	
Ardrossan ...		30.30	69	NE	3	bc	30.25	-1.2	61	56	+1	NE	1	bm	1	73	52	—	
Malin Head ...		30.29	58	ENE	1	G	30.22	-1.6	57	54	+1	ESE	3	cm	1	55	54	—	
Mullaghmore ...		30.28	65	NNE	2	G	30.20	-1.7	58	56	0	ENE	5	bm	2	66	53	—	
Belmullet ...		30.26	65	NE	2	G	30.17	-1.6	64	61	+3	E	1	G	*	69	53	—	
Donaghadee ...		30.31	62	N	2	C	30.24	-1.4	57	55	+1	NNE	2	G	0	67	56	—	
Liverpool (Bidston)		30.25	65	ENE	4	bc	30.18	-1.5	58	53	-3	N	1	C	2	71	53	—	
Holyhead ...		30.27	58	N	3	G	30.19	-1.5	55	55	-2	ENE	3	G	2	63	54	—	
Parsonstown ...		30.24	70	ESE	1	G	30.18	-1.6	61	57	+6	S	0	G	*	72	50	—	
Valencia ...		30.21	70	SE	1	cm	30.12	-1.8	63	60	-3	S	0	bm	1	72	51	—	
Roche's Point...		30.24	66	ESE	3	G	30.16	-1.6	63	59	-1	ESE	3	G	3	68	54	—	
Pembroke (St. Ann's Hd.)		30.20	61	N	3	C	30.12	-1.7	59	55	0	NE	3	C	2	68	55	—	
Scilly ...		30.18	63	E	3	bc	30.09	-1.3	60	57	-3	E	2	bc	3	66	57	—	
Prawle Point ...		30.17	62	ENE	2	G	30.09	-1.2	60	57	-2	ENE	3	cm	2	65	54	—	
Jersey (St. Aubin's)		30.12	66	ENE	5	G	30.05	-1.8	58	57	-6	E	4	ogm	3	69	57	—	
Hurst Castle ...		30.17	67	NE	3	bc	30.10	-1.7	60	58	-3	E	3	bc	2	72	53	—	
Dungeness ...		30.14	62	ENE	5	G	30.04	-1.8	63	58	+1	ENE	3	bc	2	65	51	—	
London ...		30.20	62	NE	3	0	30.09	-1.20	61	58	+1	NNE	2	C	*	67	56	—	
Oxford ...		30.21	58	NE	1	G	30.11	-1.8	57	56	-4	NNE	2	0	*	69	52	0.03	
Cambridge ...		30.24	62	NE	1	0	30.10	-1.20	61	58	-2	N	1	0	*	69	53	—	
Yarmouth ...		30.22	61	NE	4	cm	30.05	-1.24	59	58	-2	N	4	C	3	65	57	—	
Cuxhaven ...		30.12	63	NB	4	T	29.81	-1.41	65	64	-1	NE	2	0	*	69	?	0.36	
Berlin ...		29.78	60	NNW	3	0	29.77	-1.25	59	59	0	S	2	T	*	68	57	0.91	
Wiesbaden ...		*	*	*	*	*	29.96	-1.19	65	60	+1	N	2	bc	*	73	57	—	
Munich ...		30.05	63	NN	1	G	30.01	-1.2	64	59	+4	S	0	G	*	72	50	—	
The Helder ...		30.15	60	N	2	bc	29.95	-1.33	59	58	-1	NNW	4	T	3	64	57	0.04	
BRUSSELS (9 a.m.)		*	*	*	*	*	30.01		58	56		NNW	3	0	*	71	54	—	
Cape Gris Nez		30.18	59	NE	5	G	30.04	-1.8	57	55	-3	NE	4	0	4	63	54	—	
Paris ...		30.05	71	NNE	2	bc	30.01	-1.5	61	59	-1	NNE	2	bc	*	77	56	—	
Brest ...		?	71	E	4	G	?	?	59	57	+1	ESE	4	0	3	82	58	—	
Lorient ...		30.04	70	NE	4	0	29.97	-1.8	61	59	0	NE	3	0	2	75	59	—	
Rochefort ...		29.91	80	ENE	4	C	29.90	-1.6	66	62	+1	ENE	4	G	2	77	61	—	
Belfort ...		29.83	66	E	2	bc	29.91	-1.7	66	63	-2	E	3	bc	*	77	50	—	
Lyons ...		29.95	76	E	1	bc	29.95	-1.3	64	60	0	N	1	T	*	82	53	—	
Nice ...		29.97	69	SW	2	C	29.97	-0.7	65	63	-5	E	1	C	0	82	61	—	
Perpignan ...		29.95	72	NE	2	C	29.94	-1.0	72	69	-3	S	0	G	*	75	63	—	
Biarritz ...		29.90	72	ENE	3	0	29.95	-0.9	67	65	-1	NNW	2	C	2	81	66	—	
Corunna ...		*	*	*	*	*													
Lisbon ...		30.02	68	NNW	3	G	30.00	0.0	65	61	0	SW	1	G	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 Wednesday, 15th July, 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

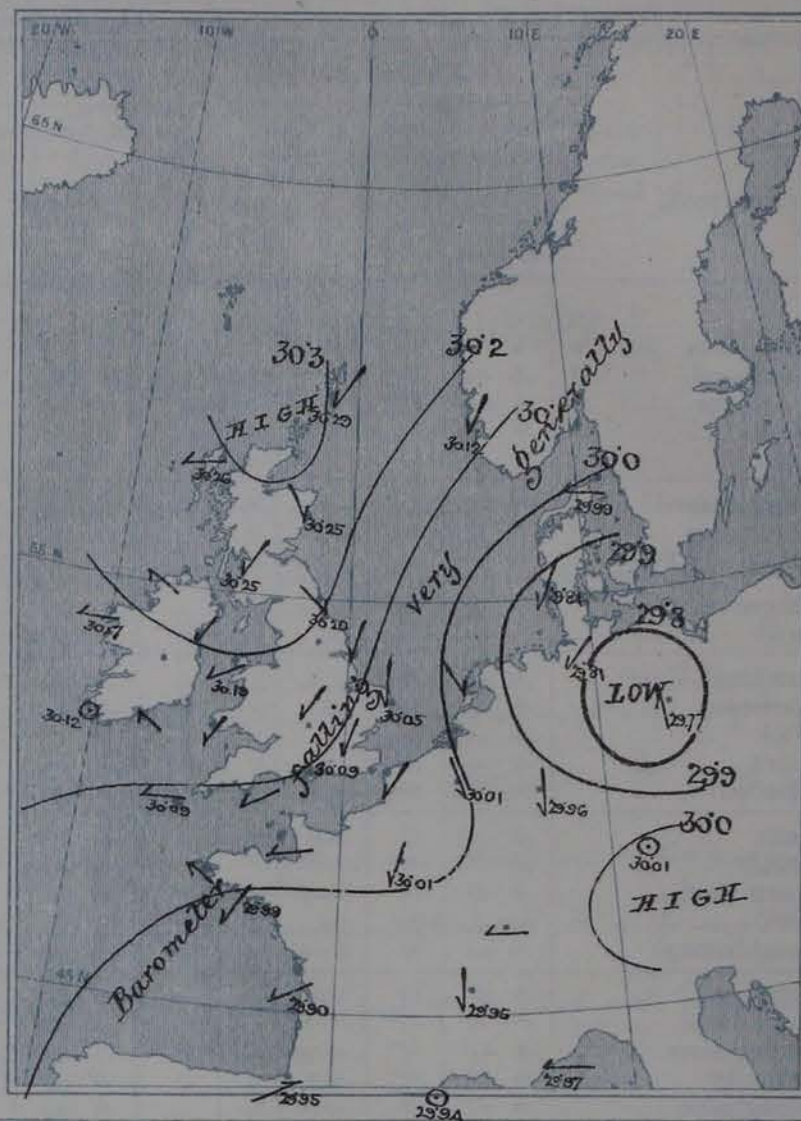
at 8.0 a.m. for the month of July

During the 20 Years: 1871-1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.795
Wick	29.806
Nairn	29.813
Aberdeen	29.824
Leith	29.841
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.982
Pembroke	29.936
Scilly	29.971
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

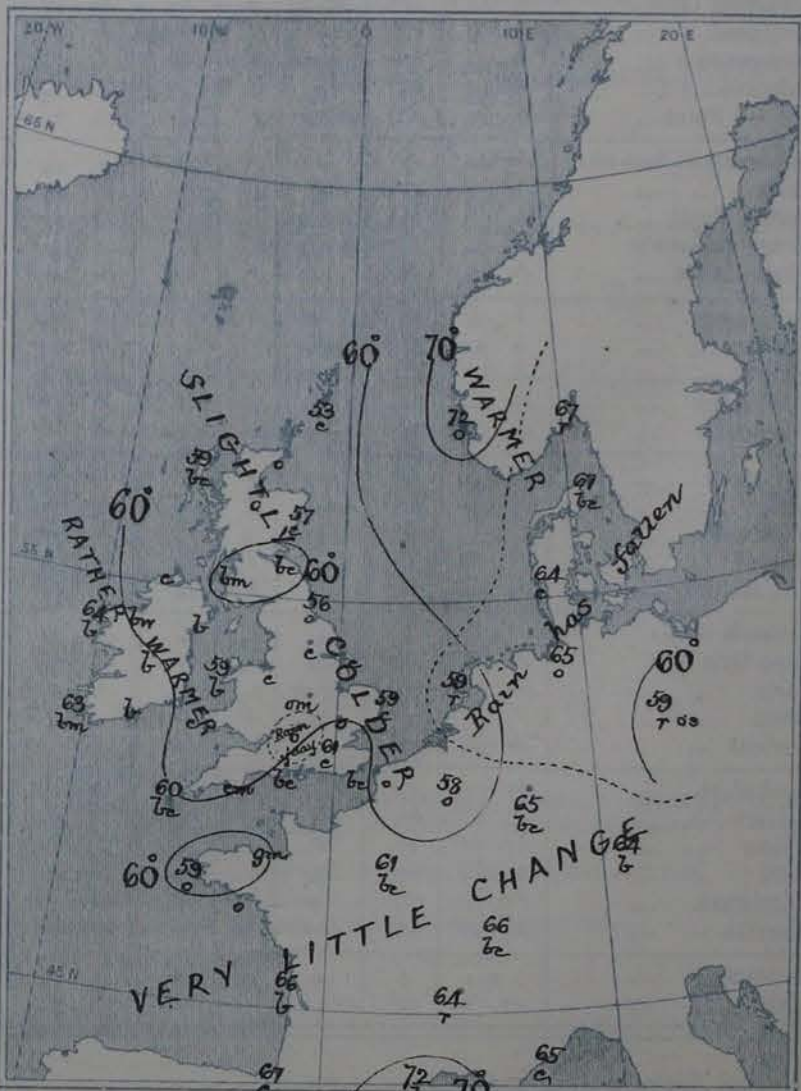
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick.....	61.8	48.7	55.8	53.5	2.34
Nairn.....	64.3	50.9	56.7	53.3	2.59
Aberdeen.....	63.9	50.6	57.5	53.9	2.78
Leith.....	66.7	51.2	58.4	54.9	2.85
Shields.....	64.1	52.2	58.3	55.0	2.66
Spurn Head.....	65.1	55.2	59.5	56.8	1.74
York.....	68.7	51.9	60.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan.....	63.5	52.8	57.3	54.6	2.91
Mullaghmore.....	62.9	54.0	57.2	54.4	3.72
Donaghadee.....	63.2	51.8	57.4	55.5	2.82
Holyhead.....	63.8	54.3	58.1	55.8	2.40
Liverpool.....	65.9	54.2	59.4	55.6	2.96
Parsonstown.....	66.4	51.5	58.1	54.8	2.96
Valencia.....	64.0	53.6	58.9	56.4	3.90
Roche's Point.....	66.1	58.2	58.8	55.9	3.29
Pembroke.....	62.5	54.8	58.0	56.0	2.54
Scilly.....	64.4	56.2	60.2	58.1	2.46
Prawle Point.....	64.5	53.7	59.9	57.3	2.24
Jersey.....	68.3	56.2	62.0	58.9	2.40
Hurst Castle.....	67.8	55.5	61.1	55.8	2.24
Dover.....	66.8	56.3	61.9	58.4	1.96
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford.....	69.6	58.4	60.0	56.6	2.58
Cambridge.....	71.9	52.2	61.3	57.7	2.42
Yarmouth.....	66.6	54.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins: and upwards, in an anticyclone lying off the north of Scotland.
 Lowest, 29.8 ins: and less, in a well marked depression lying over Germany; 29.9 ins: and less, in a shallow system lying near Rochefort.
 Gradients slight generally, but increasing over the North Sea.
 Barometer falling generally, — briskly over Denmark and the Netherlands.

TEMPERATURE

Highest, 72° at St. Helens, and Perpignan, 67° at Tientsin, Shanghai, and Hankow, and 66° at Beaufort and Rochefort.
 Lowest, 53° at Seaburgh Hd., 54° at Wick, 56° at Shields, and 57° at Kinn, Aberdeen, Malin Hd., Donaghadee, Loughbor., and Oxford.
 The highest maxima registered over our Islands yesterday were 73° at Inverness, and 72° at Kinnostoun, Valeris Island and Hurst Castle.

WIND

Light or moderate from the N^W over the Netherlands and eastern parts of Great Britain.
 E³ or NE³ in France and all the more western parts of the United Kingdom.
 Variable in Germany.

WEATHER

Cloudy or overcast over the Netherlands, North Germany, the south of Norway and the eastern and central parts of England, with rain at London, the Hilder and Berlin.
 Fine in nearly all other parts of our area, but raining at Lyons.
 Since yesterday morning 0.9 inch of rain has fallen at Berlin, and smaller amounts at the Danish stations.

SEA

Slight or smooth on all coasts

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over Germany seems likely to move out in a westerly or northwesterly direction, and will probably occasion freshening N^W winds and rain in the East of England. In our western districts the weather is likely to remain fine for the present.

FORECASTS

For the 24 hours ending at NOON on 16th July. 1891.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

NE³ winds, light, fair generally.
 N³ winds, light or moderate; fair to showery
 N³ winds, freshening; cloudy, some rain.
 NE³ to N³ winds, freshening; fair to dull and some rain.

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

NE³ and N³ winds, light; fair generally.
 Same as N⁰.
 NONE ISSUED.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	30.32	67	60	NNW	6	6	2		Holyhead ...	30.31	61	57	N	2	6
Sumburgh Head ...	30.44	60	56	WNW	1	6	1		Valencia ...	30.27	70	64	W	1	C
Stornoway ...	30.40	63	59	S	2	6	2		Scilly ...	30.31	65	58	E	4	6m
Aberdeen ...	30.44	58	53	ENE	3	C	1		Jersey ...	30.18	69	61	ENE	5	6
Shields ...	30.37	63	60	NNW	3	C	2		Dungeness ...	30.20	65	59	NE	6	6
Ardrossan ...	30.34	72	65	NE	3	6	2		London ...	30.24	67	59	NE	2	09
Malin Head ...	30.36	57	53	ENE	2	6	1		Yarmouth ...	30.28	65	57	NE	3	6
Mullaghmore ...	30.33	65	60	NNE	4	6	2		Rochefort ...	29.99	89	73	ENE	4	C
Belmullet ...	30.31	64	64	W	1	C	*								

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

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.
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 16th July.* 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 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 ...	30.25	67	N	2	6	30.24	-0.03	61	54	-7	NE	4	6	*	81	55	—	
	Hernösand ...	30.07	62	S	0	6	30.24	-1.12	69	60	0	SNE	4	6	*	51	52	—	
	Stockholm ...	30.15	66	ENE	4	6	29.95	-1.15	68	60	-4	ENE	8	C	*	73	61	—	
	Wisby ...	29.98	66	SE	4	0	29.87	-1.12	66	65	-4	SE	1	0	*	77	57	0.07	
	Bodö ...	30.28	53	N	2	6	30.27	-1.22	67	56	+13	E	4	6	2	?	52	—	
	Christiansund	30.15	61	NE	7	6	30.06	-1.30	68	55	+13	ESE	7	6	3	68	?	—	
	Skudesnaes ...	29.97	72	ENE	2	0	29.92	-1.20	68	63	-4	ENE	7	7	2	75	64	0.12	
	Christiania Fjord (Færdar)	30.02	70	E	6	0	29.94	-1.16	68	62	+1	NE	3	0	3	72	66	—	
	Skagen (The Scaw)	29.87	67	E	5	7	29.86	-1.13	64	62	-3	SE	3	0	2	75	53	0.32	
	Fanö ...	29.77	63	E	4	C	29.73	-1.11	63	62	-1	E	4	0	*	72	59	0.12	
BRITISH ISLANDS.	Sumburgh Head	30.09	53	NB	4	0	29.93	-1.36	55	58	+6	NE	2	0	4	59	50	—	
	Stornoway ...	30.13	58	E	4	6C	29.93	-1.23	54	54	-5	NE	4	0	4	60	50	—	
	Wick ...	30.14	53	NE	4	0	29.94	-1.37	53	53	-1	N	1	7	1	64	52	0.25	
	Nairn ...	30.09	58	NE	1	C	29.91	-1.36	56	55	-1	2	0	0	1	62	53	0.01	
	Aberdeen ...	30.01	54	NNW	4	09	29.87	-1.34	56	54	-1	NW	4	09	4	62	53	0.32	
	Leith ...	30.08	64	E	2	0	29.85	-1.40	56	55	-7	SW	1	7	*	65	52	0.33	
	Shields ...	30.02	54	NNW	5	0	29.78	-1.42	56	56	0	NW	2	7	4	60	52	0.27	
	Spurn Head ...	29.94	56	NW	6	7m	29.78	-1.32	58	56	-1	W	5	0	4	59	54	0.08	
	York ...	30.02	55	NNW	1	7	29.81	-1.36	58	56	-2	NW	2	0	*	65	51	0.15	
	Loughborough	30.01	63	ENE	1	0	29.85	-1.30	63	59	+6	W	2	cm	*	70	56	—	
GERMANY & HOLLAND.	Ardrossan ...	30.09	66	NW	1	C	29.85	-1.40	58	57	-3	NW	1	cm	1	70	56	0.09	
	Malin Head ...	30.08	60	NNE	1	6m	29.84	-1.34	58	57	+1	W	2	cm	0	61	55	—	
	Mullaghmore ...	30.05	66	NNW	2	6	29.90	-1.30	59	55	+1	NE	1	cm	1	67	54	—	
	Belmullet ...	30.04	67	ENE	2	6	29.81	-1.29	61	52	-3	ENE	1	6	*	73	54	—	
	Donaghadee ...	30.06	64	NNE	3	6	29.87	-1.37	58	56	+1	NNE	3	C	1	66	56	—	
	Liverpool (Bidston)	30.01	64	NW	2	6	29.84	-1.34	61	58	+3	W	2	C	3	68	56	—	
	Holyhead ...	30.05	57	NNW	3	6	29.87	-1.32	60	57	+1	NNW	1	C	1	62	55	—	
	Parsonstown ...	30.03	70	2	0	6	29.90	-1.28	53	57	-2	2	0	6C	*	72	47	—	
	Valencia ...	30.03	64	W	1	cm	29.87	-1.23	64	60	+1	2	0	6cm	0	70	57	—	
	Roche's Point...	30.03	63	ESE	3	6	29.90	-1.26	60	56	-3	N	1	6	2	64	60	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.01	63	NE	2	C	29.88	-1.24	59	56	0	NNE	1	6	1	63	53	—	
	Scilly ...	30.00	63	NE	2	6	29.85	-1.24	63	59	+3	ENE	3	6cm	2	64	57	—	
	Prawle Point ...	29.98	63	ENE	1	6	29.87	-1.22	65	60	+5	E	2	6	0	67	54	—	
	Jersey (St. Aubin's)	29.96	67	NE	3	6m	29.86	-1.19	68	63	+5	ENE	2	6cm	2	69	57	—	
	Hurst Castle ...	29.98	69	SW	2	6cm	29.85	-1.21	65	62	+5	SW	1	m	0	71	54	—	
	Dungeness ...	29.97	62	W	2	6C	29.85	-1.15	61	58	-2	W	1	m	1	68	50	—	
	London ...	29.98	67	N	2	C	29.85	-1.20	60	57	-1	SW	2	0	*	72	50	—	
	Oxford ...	29.98	61	NNE	1	0	29.88	-1.23	59	53	+2	NNE	1	cm	*	69	51	—	
	Cambridge ...	29.94	61	NNW	1	0	29.85	-1.25	62	59	+1	SW	1	6	*	67	53	0.07	
	Yarmouth ...	29.93	57	NNW	1	0	29.83	-1.22	56	55	-3	NNW	3	cm	3	61	54	0.05	
PENINSULA.	Cuxhaven ...	29.76	62	N	3	6C	29.76	-1.05	63	62	-2	W	2	6C	*	69	60	0.08	
	Berlin ...	29.84	66	W	1	6	29.84	+1.11	64	62	+5	SW	2	C	*	72	57	0.04	
	Wiesbaden ...	*	*	*	*	*	29.92	-1.04	62	58	-3	NW	1	6	*	70	57	—	
	Munich ...	29.95	55	SW	2	7	29.95	-1.02	66	60	+2	SW	1	6	*	75	53	0.08	
	The Helder ...	29.82	59	NW	2	0	29.79	-1.16	59	58	0	SW	1	f	1	61	57	0.20	
	Brussels (9 a.m.)	*	*	*	*	*	29.87	-1.15	59	58	+2	SW	2	m	1	66	55	—	
	Cape Gris Nez	29.97	63	NE	3	6C	29.87	-1.10	59	57	-2	NNE	1	C	*	76	53	—	
	Paris ...	29.94	72	NNE	2	6	29.91	-1.10	62	59	+3	E	1	6C	2	81	57	—	
	Brest ...	?	77	E	1	6	?	?	62	59	+3	E	2	6C	2	81	61	—	
	Lorient ...	29.94	72	W	1	6	29.84	-1.15	62	59	+1	ENE	2	6C	2	81	61	—	
FRANCE AND BELGIUM.	Rocheport ...	29.91	74	NNW	3	6	29.78	-1.12	67	67	+1	SW	3	0	2	86	57	—	
	Belfort ...	29.93	66	W	3	6C	29.90	-1.01	64	53	-2	N	2	6C	*	77	50	—	
	Lyons ...	29.92	72	ESE	1	6	29.90	-1.05	66	64	+2	SW	1	6C	0	75	59	0.12	
	Nice ...	29.93	71	SW	2	6	29.95	-1.02	69	66	+4	E	1	6	0	79	63	—	
	Perpignan ...	29.86	76	NE	2	6	29.86	-1.08	74	69	+2	W	2	6C	*	84	63	—	
	Biarritz ...	29.92	72	NW	1	7	29.87	-1.06	68	65	+1	SW	3	0	2	79	66	0.12	
	Corunna ...	29.94	68	W	4	0	29.97	-1.03	66	64	+1	SW	3	0	2	73	63	—	
Lisbon ...	29.94	68	W	4	0	29.97	-1.03	66	64	+1	SW	3	0	2	73	63	—		

WEATHER CHARTS

for 8 a.m. on Thursday, 16th July, 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

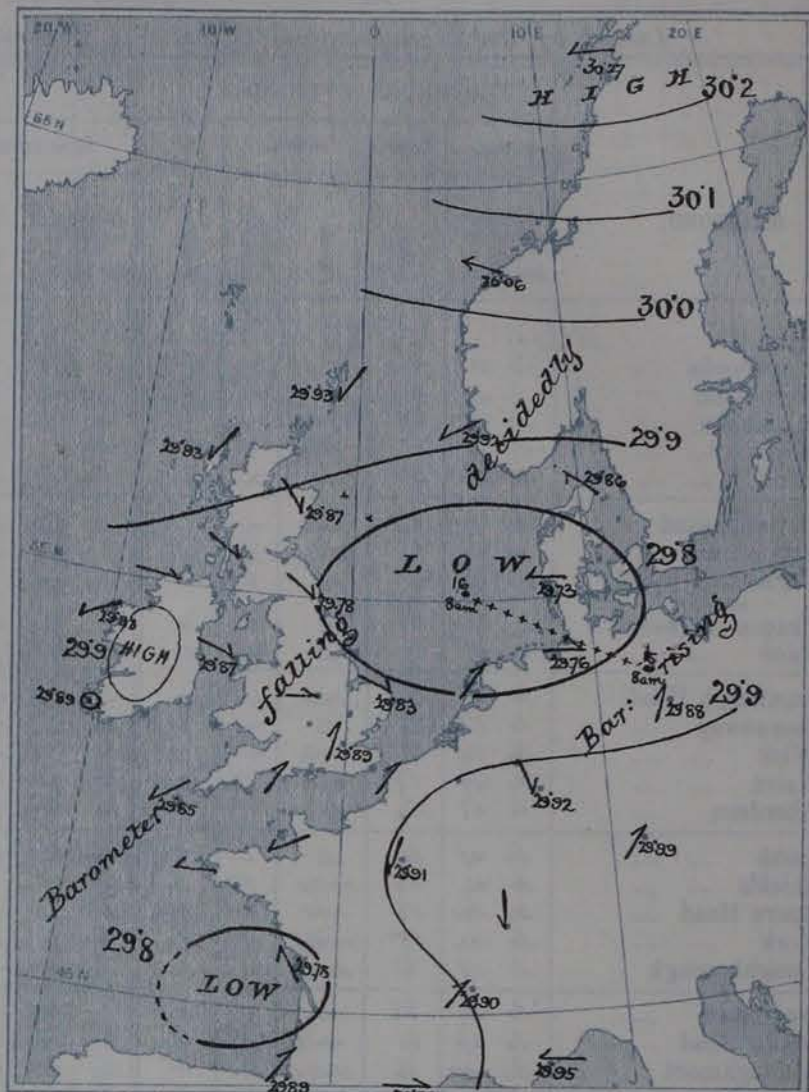
at 8.0 a.m. for the month of July

During the 20 Years: 1871—1890.

STATIONS.

MEAN READINGS.

Sumburgh Head	29.784
Stornoway	29.795
Wick	29.800
Nairn	29.810
Aberdeen	29.820
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.810
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.982
Pembroke	29.946
Seilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	57.1	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	53.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	58.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	55.2	59.5	56.8	1.71
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	51.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.90
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.90
Roche's Point	69.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Seilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.24
Dover	66.8	56.3	61.9	58.4	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.8	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.0	54.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and more over Lapland, 29.9 ins. and more over the southern parts of Spain, and also over Switzerland, South Germany and the centre of Ireland.
 Lowest 29.8 ins. and less in two shallow depressions - one over the North Sea, the other over the Bay of Biscay.
 Gradients slight and variable.
 Barometer still falling in most parts of our Islands, rising over Germany.

TEMPERATURE

Highest 74° at Perpignan, 67° to 68° in the southwest of France and at the Norwegian stations.
 Lowest 53° at Wick, 54° at Hornum, 56° at Aberdeen and Shields, 59° at Paris, 60° in London.
 It rose to a little above 70° in several parts of England yesterday.

WIND

Light and variable - mainly E. over Norway - N. to NW. at our northern stations - calm in Ireland - SW. over our southeastern counties, but NE. over Devon and Cornwall.

WEATHER

Dull and rainy at our northern stations, fine in the south.
 Rain has fallen in the northern & eastern parts of Great Britain and also at the German stations, thunderstorms have occurred in some parts of France.

SEA

Moderate on our north and northeast coasts, slight to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over Germany yesterday has moved northwestwards, carrying rainy unsettled weather to Scotland and the north of England while fine weather is being experienced over our southern counties. Temperature is rising decidedly over England, falling slightly in Scotland, and while light N. and NW. breezes are blowing over the last named region, variable SW. airs are reported in the South, and it appears likely that fine weather will continue prevalent over England during the coming 24 hours.

FORECASTS

For the 24 hours ending at NOON on 17th July

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. and Varying breezes; rainy, unsettled.

NW. to SW. breezes, light; close, showery to fair.

Very Variable light breezes; fine generally hazy tonight.

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

N. and NW. breezes, light, some showers.

NE. breezes freshening, fair as a whole

Variable airs and light breezes; fair generally.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

		THER:		WIND						THER:		WIND					
		BAR:	D.	W.	D.	F.	WEA.	SEA			BAR:	D.	W.	D.	F.	WEA.	SEA
Skudesnaes	...	30.04	75	64	E	2	0	2	Holyhead	...	30.11	61	57	N	3	bc	2
Sumburgh Head	...	30.18	53	54	NE	4	0	4	Valencia	...	30.08	66	61	S	3	om	3
Stornoway	...	30.18	53	54	E	4	6	4	Scilly	...	30.04	63	58	ENE	2	6	2
Aberdeen	...	30.13	53	53	E	4	0	4	Jersey	...	30.01	67	60	NE	4	6m	3
Shields	...	30.11	53	53	NNW	5	0	4	Dungeness	...	29.99	64	60	S	2	bc	1
Ardrossan	...	30.11	70	61	NW	1	bc	1	London	...	30.02	69	62	N	1	0	*
Malin Head	...	30.15	60	56	E	2	6	0	Yarmouth	...	29.98	57	57	N	4	cf	4
Mullaghmore	...	30.12	67	61	NNW	2	6	2	Rochefort	...	29.89	83	72	NNW	3	6	?
Belmullet	...	30.09	72	67	SW	1	bc	*									

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

Weather dull over the Netherlands, north Germany, the south of Norway, and the eastern and central parts of England, with rain at Trier, the Helder, Munster, and Berlin. Fine in nearly all other parts of Europe, but foggy at Christiansund and Boulogne, and rainy at Lyons. Rainy weather extending later from the Continent to the eastern parts of Great Britain. Thunderstorms occurring at Lyons and Biarritz.

Temperature highest 85° at La Calle, 83° at Barcelona, 79° at Algiers, and 77° at Kharkov and Nicolaieff, above 70° in most parts of southern and eastern Europe, as well as at several of the Baltic and Scandinavian stations. Lowest 53° at Sumburgh H., 54° at Wick, and 56° at Shields, below 60° in many parts of Great Britain and also at some of the German and Austrian stations. Daily maxima very little above 70° in any part of the United Kingdom, but thermometer exceeding 80° in France the highest reading of all being 86° at Rochefort.

Wind light or moderate from the Nth over the Netherlands and the eastern parts of England, but E or NE in nearly all other parts of northern and northwestern Europe. Light from the Sth over eastern and northern Germany; variable over southern Europe, light from the Nth in the south of Russia. Subsequently shifting to the NWth in the west of France.

Barometer highest 30.3 in. to 30.4 in. and upwards in an anticyclone extending from the northern parts of Russia and Scandinavia to the extreme north of Scotland. Lowest 29.8 in. and less, in a well marked depression lying over north Germany; 29.8 in. and less, in a small shallow disturbance lying over the west of France, and also in a larger system over the Black Sea. German depression subsequently moving slowly in a west-northwesterly direction towards the North Sea.

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

Weather fine over the greater portion of Europe, but dull at some of our inland stations, and rainy over the eastern and northern parts of Germany. Heavy rain falling later over Western Germany, and smaller quantities in Denmark. Thunderstorms occurring at Athens and Constantinople.

Temperature highest 80° at Barcelona and La Calle, 77° at Spire and Constantinople, and 76° at Cagliari, Nomans, Oran, Tunis and Odessa, above 70° in many parts of southern and eastern Europe and also over the Baltic Provinces. Lowest 54° at Bodo, 55° at Krasnodar, and 56° at Christiansund, Sumburgh H., Malin H., and Darghadar, below 60° at many of our own western and northern stations, as well as in some parts of Germany and Austria. Daily maxima very little above 70° in any part of the United Kingdom, but thermometer exceeding 80° at several of the French stations, and exceeding 90° over Algeria and central Spain. Highest readings of all 111° at Bucha, 106° at Laghouat, and 93° at Madrid.

Wind light or moderate from the End or NEnd over the Baltic and the greater part of western Europe; Nth or NWth in Germany; Wth in Austria. Light from the SWnd over the northern parts of Scandinavia; variable over Russia; light from the Nth over Italy and Algeria. Not much change later but strong E wind setting in at the mouth of the Gulf of Finland.

Barometer highest 30.4 in. to 30.5 in. over northern Russia, and also in another area lying over Scotland, the west of Norway, and the northern parts of the North Sea. Lowest 29.9 in. and less, in a large shallow depression lying over Austria and eastern Germany; gradients moderately steep over the Baltic. Depression subsequently travelling in a northwesterly direction and becoming deeper. Gradients increasing over north Germany and the Baltic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT.

for FRIDAY 17TH JULY.

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.		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.)		Weather.	Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	30.30	64	2	0	6	30.32	-0.02	66	55	+5	NE	2	6	*	72	55	—	
	Hernösand ...	30.24	63	NE	6	6	30.28	+0.04	65	58	-4	ESE	6	6	*	72	55	—	
	Stockholm ...	29.95	70	ESE	4	0	30.08	+0.09	71	61	+3	ESE	6	C	*	72	63	—	
	Wishby ...	29.53	62	WNW	4	6	29.96	+0.09	67	64	+1	ESE	4	0	*	72	59	0.24	
	Bodö ...	30.20	73	E	2	6	30.28	-0.04	70	58	+3	E	4	6	2	77	52	—	
	Christiansund	30.00	76	ESE	5	m	30.05	-0.01	72	61	+4	ESE	4	m	2	81	68	—	
	Skudesnaes ...	29.88	66	ESE	2	C	29.93	+0.01	65	62	-3	ESE	4	0	3	68	61	0.24	
	Christiania Fjord (Færdar)	29.97	66	E	5	0	30.02	+0.08	65	61	-3	ESE	3	0	2	68	64	0.53	
	Skagen (The Scaw)	29.89	65	ESE	3	C	29.97	+0.11	68	64	+4	SE	3	6c	1	72	63	0.08	
	Fanö ...														*				
BRITISH ISLANDS.	Sumburgh Head	29.85	62	NE	1	C	29.83	-0.10	61	60	+2	NE	1	C	3	66	58	—	
	Stornoway ...	29.75	58	NE	4	0	29.70	-0.23	56	56	+2	E	2	T	2	58	52	0.05	
	Wick ...	29.86	58	SE	3	f	29.78	-0.16	55	56	+4	E	1	f	1	57	52	0.45	
	Nairn ...	29.80	60	2	0	0	29.71	-0.20	55	58	+3	2	0	0	1	60	54	0.74	
	Aberdeen ...	29.81	60	NE	2	0	29.72	-0.15	56	56	0	NE	2	07m	3	65	56	0.67	
	Leith ...	29.80	58	ESE	1	0	29.72	-0.13	60	55	+4	2	0	m	*	60	55	0.03	
	Shields ...	29.75	55	NW	2	f	29.75	-0.03	60	55	+4	2	0	T	2	60	55	0.17	
	Spurn Head ...	29.74	62	2	0	C	29.80	+0.02	65	60	+7	SW	1	6	1	66	54	—	
	York ...	29.76	66	NNW	1	C	29.75	-0.02	63	55	+5	W	2	6	*	68	55	—	
	Loughborough	29.71	70	WNW	1	C	29.82	-0.03	65	60	+2	2	0	6m	*	76	52	—	
GERMANY & HOLLAND.	Ardrossan ...	29.77	61	W	1	om	29.73	-0.12	58	58	0	2	0	Tm	0	64	57	0.08	
	Malin Head ...	29.75	55	W	1	of	29.74	-0.14	55	56	-1	WNW	1	0	0	55	53	0.07	
	Mullaghmore ...	29.78	66	W	2	6c	29.77	-0.13	58	53	0	WNW	1	CW	2	66	54	—	
	Belmullet ...	29.81	59	NE	2	C	29.76	-0.12	56	53	-3	NE	1	6c	*	66	53	—	
	Donaghadee ...	29.79	57	NNW	2	C	29.77	-0.10	61	55	+3	ESE	2	m	0	66	57	—	
	Liverpool (Bidston)	29.78	64	WNW	2	6	29.80	-0.04	64	58	+3	SE	1	6	2	67	55	—	
	Holyhead ...	29.81	60	2	0	6	29.75	-0.08	63	55	+3	SEW	2	6w	1	64	53	—	
	Parsonstown ...	29.78	73	2	0	6	29.77	-0.13	62	55	+3	2	0	6	*	74	50	—	
	Valencia ...	29.81	64	SEW	2	com	29.77	-0.12	62	55	-2	2	1	Cm	2	68	53	—	
	Roche's Point...	29.77	64	2	2	6	29.75	-0.11	55	56	-1	2	1	6	1	66	52	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.81	66	W	1	6	29.75	-0.09	55	55	0	SE	2	6c	2	66	52	—	
	Skilly ...	29.77	60	ESE	3	0	29.81	-0.04	62	60	-1	WNW	3	0	2	66	53	—	
	Prawle Point ...	29.80	64	E	1	6	29.85	-0.02	61	58	-4	SW	1	omg	0	68	56	—	
	Jersey (St. Aubin's)	29.75	74	NE	2	6m	29.50	+0.04	62	55	-6	WNW	3	ogm	3	78	58	—	
	Hurst Castle ...	29.81	67	SEW	2	6	29.86	-0.03	66	63	+1	2	0	6cm	0	72	55	—	
	Dungeness ...	29.80	63	SW	3	6c	29.85	-0.04	65	61	+4	SW	2	6c	1	67	57	—	
	London ...	29.78	65	SEW	3	C	29.86	-0.03	65	61	+5	SW	1	6c	*	78	50	—	
	Oxford ...	29.80	68	WNW	1	6	29.84	-0.04	64	58	+5	SW	1	6	*	76	53	—	
	Cambridge ...	29.80	67	SW	1	T	29.84	-0.01	67	63	+5	SW	1	6	*	77	52	0.08	
	Yarmouth ...	29.75	70	WNW	2	6c	29.84	+0.01	65	62	+5	2	0	6	2	71	55	—	
PENINSULA.	Cuxhaven ...	29.81	59	SW	3	6c	29.90	+0.14	61	60	-2	SE	1	m	*	65	53	—	
	Berlin ...	29.89	71	N	1	6	29.92	+0.04	65	65	+5	NNE	1	6	*	75	63	—	
	Wiesbaden ...						29.92	0.00	66	64	+4	2	0	0	*	77	61	—	
	Munich ...	29.95	63	SW	2	0	29.93	0.00	68	63	+2	SW	2	C	*	77	55	0.08	
	The Helder ...	29.82	60	SEW	1	6c	29.90	+0.11	62	61	+3	2	1	6c	1	64	57	—	
	Brussels (9 a.m.)						29.90		71	65		SE	1	6c	*	72	57	—	
	Cape Gris Nez	29.82	65	2	0	6c	29.84	-0.05	68	62	+3	2	0	6c	0	68	55	—	
	Paris ...	29.84	70	NNE	1	0	29.92	+0.01	62	61	+3	SE	2	C	*	75	55	—	
	Brest ...		65	NW	2	6c			60	55	-2	SW	2	0	2	75	61	—	
	Lorient ...	29.82	68	W	3	6c	29.91	+0.07	65	61	+3	W	2	0	2	79	61	—	
PENINSULA.	Rochefort ...	29.84	65	SEW	5	0	29.90	+0.12	68	65	+1	W	3	C	2	75	64	—	
	Belfort ...	29.91	64	W	3	T	29.97	+0.07	64	62	0	W	3	T	*	77	58	0.28	
	Lyons ...	29.86	71	2	1	6c	30.00	+0.10	62	60	-4	ESE	1	C	*	75	58	0.08	
	Nice ...	29.89	73	W	1	6c	29.96	+0.01	68	66	-1	NNE	1	m	0	81	64	—	
	Perpignan ...	29.86	71	NNE	3	C	29.95	+0.13	73	68	-1	2	0	6	*	84	64	0.35	
	Biarritz ...	29.93	72	NNW	3	C	30.01	+0.12	67	64	-1	SW	3	0	1	75	66	—	
	Corunna ...																		
	Lisbon ...	30.01	70	NNW	4	6	30.08	+0.11	68	64	+2	NW	3	6c	2	73	63	—	

WEATHER CHARTS

for 8 a.m. on Friday, 17th July, 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 shewn thus:

— Rough, — High.

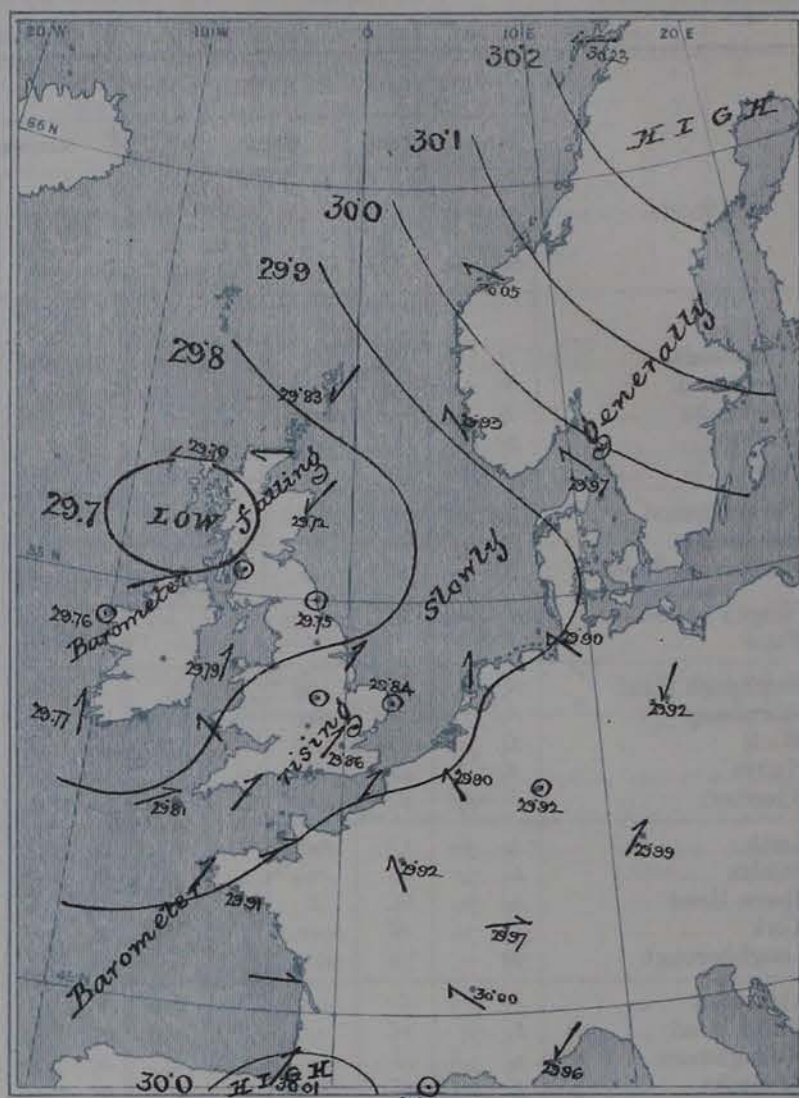
MEAN HEIGHT OF THE BAROMETER

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

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.841
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.959
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.916
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily	Daily	at 8 a.m.		
	Max.	Min.	Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick.....	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	51.3	2.59
Aberdeen	63.9	50.6	57.6	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields.....	64.1	52.2	58.3	55.0	2.66
Spurn Head.....	65.1	55.2	59.5	56.8	1.74
York.....	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.1	57.6	2.34
Ardrossan	63.5	52.8	57.3	51.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.74
Donaghadee.....	63.2	51.8	57.4	55.5	2.82
Holyhead.....	63.8	54.3	58.1	55.8	2.40
Liverpool.....	65.9	54.2	59.1	55.6	2.96
Parsonstown	60.4	51.5	58.1	51.8	2.96
Valencia.....	64.0	53.6	58.9	56.4	3.90
Roche's Point.....	66.1	53.2	58.8	55.9	3.29
Pembroke.....	62.5	54.8	58.0	56.0	2.54
Scilly.....	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.21
Jersey.....	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.24
Dover.....	66.8	56.3	61.9	58.1	1.95
LONDON.....	72.4	54.6	62.0	57.8	2.38
Oxford.....	69.6	53.4	60.0	56.6	2.58
Cambridge.....	71.9	52.2	61.3	57.7	2.42
Yarmouth.....	66.6	51.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30.2 in. and more to 30.0 in. over Scandinavia and Ireland; (2) 30.0 in. and more to 29.9 in. over the British Peninsula and France.
 Lowest, 29.7 in. and less, in a depression off the west of Scotland, and below 29.5 in. all over our Islands and the North Sea.
 Gradients are slight.
 Barometer rising slowly on the Continent and over England.

TEMPERATURE

Highest, 73° at Loughmannon, 70° to 72° in the northwest of Norway, 71° at Brussels, 69° at Berlin, in London, and at Loughborough.
 Lowest, 56° at Stonehaven, Aberdeen, and Balmullet, 58° at Aberdeen.
 It rose during yesterday to 78° in London and at Jersey, fell to 50° in London during the night, but was rising rapidly again at 8 a.m.

WIND

Moderate E^{ly} to SE^{ly} in Norway — variable from the End on our northern coasts.
 SW^{ly} at our southern stations and SW^{ly} to W^{ly} over France.

WEATHER

Still unsettled over the northern parts of our Islands, with rain at some stations — cloudy on our southwestern coasts — fair generally elsewhere. The rainfall measured this morning was 0.74 in. at Kain and 0.67 in. at Aberdeen. Thunderstorms occurred over Central France.

SEA

Very little disturbed on any part of our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather seems to be improving over England and Ireland, and temperature seems likely to be high at the inland stations today.

FORECASTS

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

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

SE^{ly} breezes, light to moderate, with improving weather.

Same as No 5.

SW^{ly} breezes, light; fine, warm.

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

SW^{ly} and Variable breezes, with improving weather.

Same as No 5.

Varying and SW^{ly} airs; fine generally.

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	THER: WIND								THER: WIND						
	BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA
Skudesnaes ...	29.70	67	64	NNE	1	T	2	Holyhead ...	29.83	63	58	WNW	1	bc	1
Sumburgh Head ...	29.50	63	60	NE	1	C	3	Valencia ...	29.85	64	53	SW	3	bc m	3
Stornoway ...	29.85	67	57	NE	4	0	4	Scilly ...	29.81	66	60	E	3	bc	2
Aberdeen ...	29.82	63	60	WNW	2	C	3	Jersey ...	29.83	75	65	E	2	bc m	2
Shields ...	29.77	58	58	NW	1	f	3	Dungeness ...	29.83	66	61	WNW	3	bc	2
Ardrossan ...	29.75	64	61	NW	1	om	1	London ...	29.80	78	64	WNW	2	bc	*
Mulin Head ...	29.83	58	57	WNW	1	0	1	Yarmouth ...	29.78	63	61	SE	3	bc	1
Mullaghmore ...	29.83	64	55	W	3	bc	2	Rochefort ...	29.84	73	64	SW	5	0	?
Belmullet ...	29.84	66	61	NNE	2	C	*								

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

Weather in morning dull, unsettled, and rainy, over all the northern parts of the United Kingdom, fairer in the south and at most of the Continental stations, fine and bright in many regions. A great deal of rain in the eastern parts of Scotland later and some at Cambridge; thunderstorm in central France, and sky looking very unsettled and rainlike over England generally. 0.08 in. of rain locally at Cambridge.

Temperature beginning to recover decidedly over England. Morning readings exceeding 70° at the Mediterranean stations and in Russia, and varying between 66° and 69° on the Swedish and Norwegian coasts; below 60° over the northern parts of the United Kingdom, and as low as 53° at Wick, 54° at Stornoway, 55° at Archangel, 56° at Saint Petersburg, Aberdeen, Shields, and Yarmouth, and 59° at Paris. Rising later to 78° in London and at Jersey, 76° at Loughborough, and 75° at Paris, but to 80° and more in the south of France.

Wind E to NE over Northern Europe — a gale at Stockholm and Christiansund, but moderate as a whole — N to NW over the northern parts of our Islands — W and SW in the south — very variable and light elsewhere. Becoming NE in Scotland later, and varying a good deal over our southern counties.

Barometer highest (1) 30.3 ins. and more to 30.0 ins. over the northern parts of Europe; (2) 30.0 ins. to 29.9 ins. over the Mediterranean, Spain, Switzerland, Austria and south Germany. Lowest 29.8 ins. and less, in three depressions — one over southern Russia, another over the North Sea, and a third over the Bay of Biscay. The two latter moving northwards later but not 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 *Saturday 18th July.* 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.			
			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 ...	30.19	65	2	0	bc	30.18	-14	66	57	0	SW	4	bc	*	75	44	—		
Hernösand ...	30.23	63	ENE	2	bc	30.26	-02	67	57	+2	ENE	2	bc	*	76	53	—		
Stockholm ...	30.16	63	ENE	4	bc	30.18	+10	67	61	-2	E	4	bc	*	72	61	—		
Wisby ...	30.02	67	ESE	6	0	30.09	+13	68	63	+1	SSE	2	bc	*	72	57	0.04		
Bodö ...																			
Christiansund	30.02	66	SSE	4	c	30.08	+15	67	63	+2	SE	2	c	2	75	55	0.24		
Skudeanæs ...	30.07	65	NE	3	0	30.13	+11	67	53	-7	ESE	5	0	3	75	55	0.24		
Christiania Fjord (Færdier)																			
Skagen (The Scaw)	30.02	67	E	1	0	30.05	+08	62	57	-6	ENE	4	0	1	77	61	—		
Fanø ...	30.02	61	SW	1	bc	30.06		67	65		2	0	bc	*	70	59	—		
BRITISH ISLANDS.																			
Sumburgh Head	29.81	57	E	3	0	29.92	+09	58	53	-6	E	3	bc	5	62	53	0.01		
Stornoway ...	29.69	61	SW	1	0	29.75	+05	61	57	+5	2	0	bc	2	64	46	0.01		
Wick ...	29.76	58	E	1	f	29.84	+06	58	57	+1	SE	1	bc	1	60	52	0.02		
Nairn ...	29.71	62	2	0	0	29.75	+08	60	58	+1	2	0	bc	1	62	48	0.18		
Aberdeen ...	29.78	59	2	2	bc	29.86	+14	61	59	+5	SSE	2	bc	3	64	52	0.03		
Leith ...	29.77	68	SW	1	c	29.83	+11	68	61	+8	NE	1	bc	*	76	60	—		
Shields ...	29.80	64	SE	3	c	29.87	+12	63	61	+3	2	0	m	2	72	57	0.02		
Spurn Head ...	29.84	64	ESE	4	bc	29.90	+15	63	60	-2	2	3	bc	3	69	57	—		
York ...	29.81	74	2	1	c	29.92	+13	63	60	0	2	1	0	*	78	54	—		
Loughborough	29.85	69	2	0	c	29.94	+12	61	60	-4	SSE	2	om	*	81	53	—		
Ardrossan ...	29.77	64	2	1	bc	29.78	+05	63	60	+5	ESE	3	pm	3	65	54	—		
Malin Head ...	29.72	58	ESE	1	bc	29.67	-07	57	56	0	SE	4	omg	1	62	55	—		
Mullaghmore ...	29.70	66	NE	1	c	29.67	-10	57	57	-2	2	4	pm	2	66	57	0.76		
Belmullet ...	29.70	65	NNE	1	0	29.63	-13	60	57	+4	SW	3	pm	*	69	56	0.15		
Donaghadee ...	29.77	61	2	3	bc	29.75	-02	57	57	-4	SE	4	7	2	65	54	0.09		
Liverpool (Bidston)	29.81	65	W	2	c	29.86	+06	62	59	-2	2	3	0	3	77	57	—		
Holyhead ...	29.82	63	SW	2	bc	29.83	+04	58	57	-5	SW	4	bc	3	70	57	0.07		
Parsonstown ...	29.73	65	2	0	bc	29.77	0.0	60	55	-2	SW	1	bc	*	73	56	0.06		
Valencia ...	29.67	60	SE	4	pm	29.73	-04	60	56	-2	2	5	c	5	64	55	0.49		
Roche's Point...	29.73	62	SW	4	0	29.80	+01	62	57	+3	SW	4	bc	4	68	56	0.33		
Pembroke (St. Ann's Hd.)	29.83	61	SW	3	c	29.88	+09	58	56	-1	SW	4	bc	5	68	58	0.08		
Scilly ...	29.81	65	2	4	0	29.94	+13	62	57	0	SW	4	bc	4	65	57	0.01		
Prawle Point ...	29.50	60	SW	2	0	29.98	+13	60	53	-1	WSW	2	bc	1	64	57	0.05		
Jersey (St. Aubin's)	29.55	67	SE	2	bc	30.03	+13	64	62	+2	SW	3	cm	3	70	60	0.29		
Hurst Castle ...	29.55	64	WSW	3	m	30.00	+14	62	61	-4	SW	2	c	1	69	60	—		
Dungeness ...	29.53	64	SW	5	bc	30.02	+17	63	61	-2	2	3	c	2	70	60	—		
London ...	29.51	74	SW	2	bc	30.00	+14	65	61	-4	SW	2	0	*	81	58	—		
Oxford ...	29.52	65	SW	2	bc	29.97	+13	62	60	-2	SSE	3	od	*	77	56	—		
Cambridge ...	29.50	67	SW	1	bc	29.98	+14	65	63	-2	SW	1	7	*	82	54	0.39		
Yarmouth ...	29.89	66	2	3	bc	30.01	+17	63	62	-2	SW	2	bc	2	70	58	—		
GERMANY & HOLLAND.																			
Cuxhaven ...	29.97	62	N	2	bc	30.05	+15	66	64	+5	SE	1	m	*	71	61	—		
Berlin ...	29.98	65	NW	1	7	30.08	+16	62	62	-7	WNW	1	7	*	81	61	1.78		
Wiesbaden ...	*	*	*	*	*	30.14	+22	63	61	-3	2	0	c	*	71	57	—		
Munich ...	30.09	65	NW	2	bc	30.21	+22	67	62	-1	W	1	bc	*	75	57	—		
The Helder ...	30.00	68	E	1	bc	30.06	+16	66	64	+4	2	1	bc	1	72	61	—		
FRANCE AND BELGIUM.																			
Brussels (9 a.m.)	*	*	*	*	*	30.08	+18	68	63	-3	2	1	bc	*	78	53	—		
Cape Gris Nez	29.95	64	SW	4	f	29.97	+15	65	62	-3	2	3	c	1	73	57	—		
Paris ...	30.01	71	WSW	3	bc	30.09	+17	66	63	+4	2	1	bc	*	76	56	—		
Brest ...	29.82	66	SW	3	c	30.03	+17	60	59	0	W	2	bc	5	72	59	0.08		
Lorient ...	29.82	68	SW	3	c	30.04	+18	62	59	-3	SW	1	7	3	72	61	0.32		
Rochefort ...	30.01	73	WSW	3	bc	30.06	+16	64	64	-4	SE	3	7	2	81	63	—		
Belfort ...	30.06	66	W	3	c	30.15	+18	66	64	+2	N	2	bc	*	77	52	—		
Lyons ...	29.99	73	N	1	bc	30.12	+12	68	63	+6	SSE	1	bc	*	80	60	0.16		
Nice ...	29.98	72	SE	1	bc	30.08	+12	71	68	+3	E	1	m	0	81	64	—		
Perpignan ...	30.02	77	SE	2	bc	30.08	+09	75	70	+2	SW	1	bc	*	81	64	—		
Biarritz ...	30.06	73	NE	4	bc	30.03	+02	70	67	+3	W	5	0	2	79	67	0.04		
SPAIN.																			
Corunna ...	30.10	70	NNW	4	bc	30.16	+08	69	64	+1	NNW	3	c	2	77	63	—		
Lisbon ...																			

WEATHER CHARTS

for 8 a.m. on Saturday, 18th July, 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 the plumes and feathers refer to force thus:
 ————— forces above 10; ————— forces 8 to 10;
 ————— forces 5 to 7; ————— forces 1 to 4;
 ————— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

— Rough. — High.

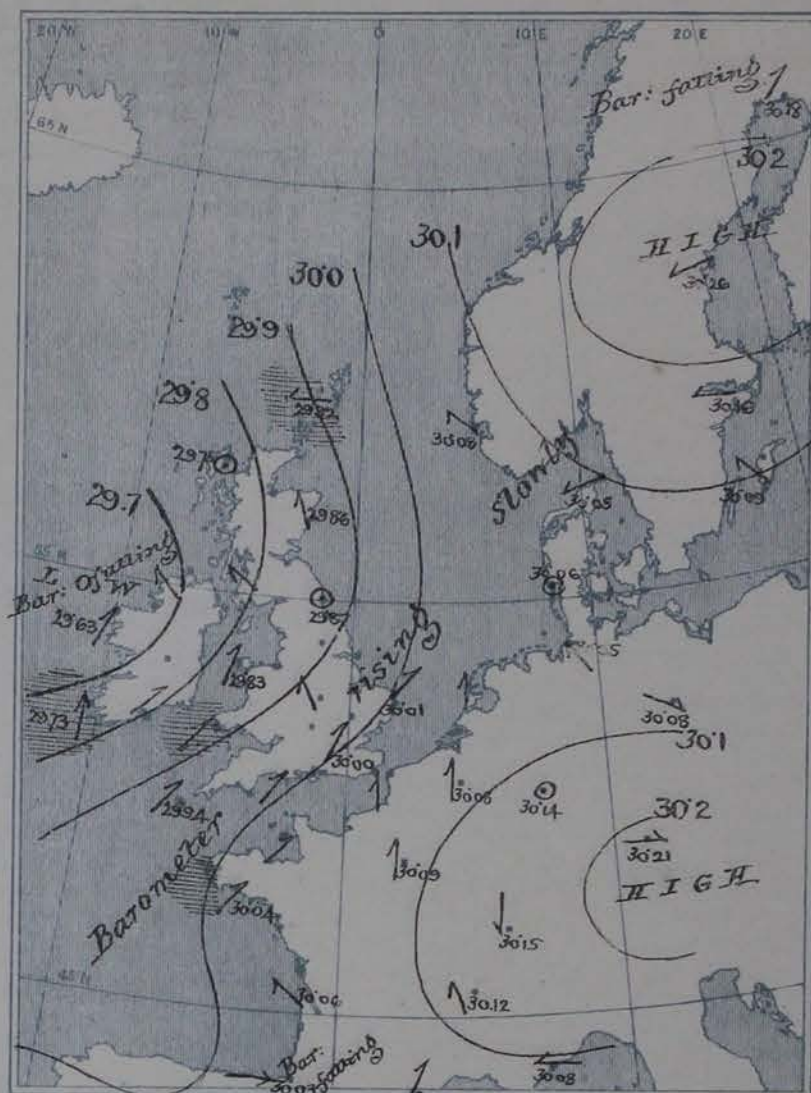
MEAN HEIGHT OF THE BAROMETER

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

STATIONS.

MEAN READINGS

STATIONS.	MEAN READINGS
Samburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.841
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.930
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.957
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

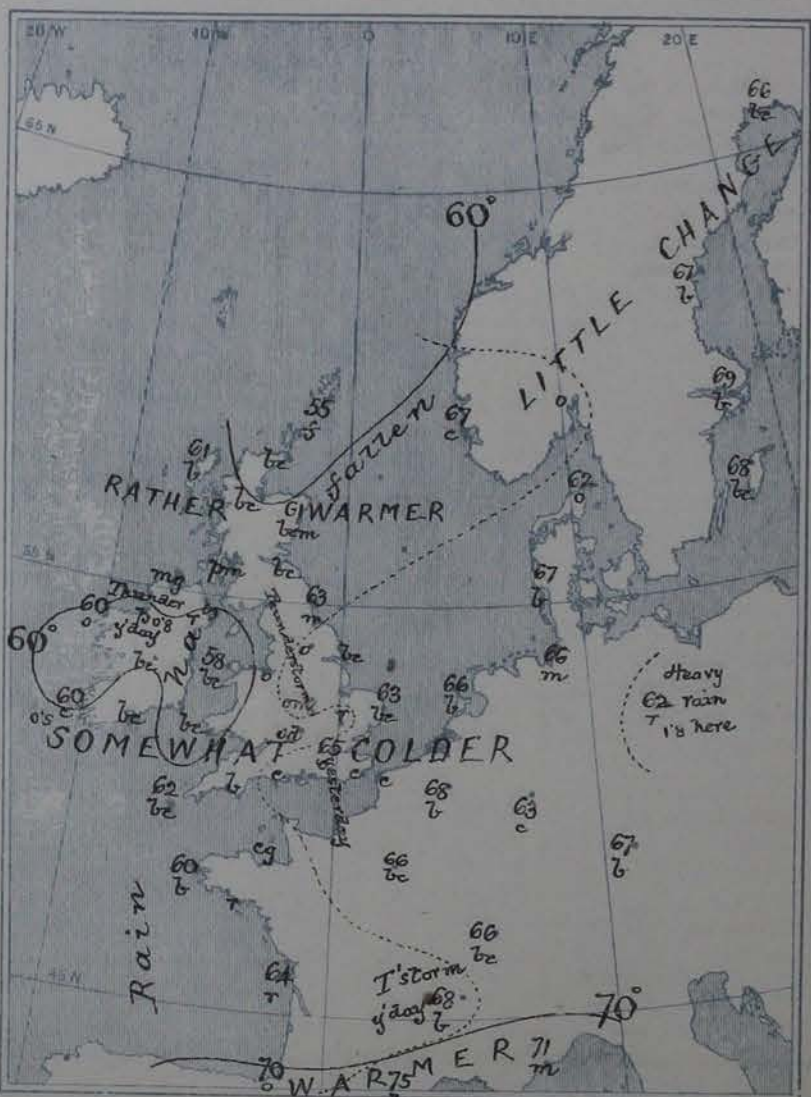
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Samburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	53.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	54.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head.....	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	62.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee.....	63.2	51.8	57.4	55.5	2.82
Holyhead.....	63.8	51.3	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.0	2.06
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	2.00
Roche's Point	66.1	53.2	58.8	55.0	3.29
Pembroke.....	62.5	54.8	58.0	56.0	2.54
Scilly	64.4	50.2	59.2	58.1	2.46
Prawle Point	64.6	53.7	59.6	57.3	2.21
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.24
Dover	66.8	56.3	61.9	58.1	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.0	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30.2 in. and more to 30.0 in. over Finland and Scandinavia; (2) 30.1 in. and more to 30.0 in. over France and Germany.
 Lowest, 29.7 in. and less, over the west of Ireland and adjacent parts of the Atlantic.
 Gradients moderate in our Islands, slight on the Continent.
 Barometer rising except on our northwestern coasts.

TEMPERATURE

Highest, 75° at Perpignan, 71° at Nice, 69° at Fribourg and Stockholm, 67° at Paris and Skudesnaes.
 Lowest, 55° at Sumburgh Hd., 57° at Malin Hd., 58° at Holyhead.
 It rose during yesterday to 81° at York, London, Berlin, Rochefort, Nice, and Perpignan, and to 82° at Cambridge.

WIND

Moderate from SW. at our southernmost and southern stations, and from SE. on our northwestern coasts, very light from SE. in the east of Scotland, light E. to SE. over the southern half of Scandinavia.
 In France and Germany, it was very light and variable.

WEATHER

Fair in most places, but more cloudy as a whole than it was yesterday, slight rain is falling in some parts of England and France.
 Thunderstorms occurred yesterday in several parts of our midland and eastern counties. Heavy rain has fallen at Dublin.

SEA

Rather rough on our southernmost coasts and at Sumburgh Hd., moderate in the Irish Sea, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In the course of the past night a new depression has reached the extreme west of Ireland from the Atlantic, and is now passing northwards causing some freshening of the wind from between SE. and SW. on our western coasts, and a rather less settled appearance of the sky in most places than was prevalent yesterday. Temperature is less high over England than it was 24 hours ago, and at several of the English stations slight rain is falling.

FORECASTS

For the 24 hours ending at NOON on 19th July

1891.

DISTRICTS.

FORECASTS.

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

SE² winds, freshening; some rain.
 S² and SW² breezes, moderate; changeable, some showers, bright intervals.

DISTRICTS.

FORECASTS.

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

SW² winds, moderate; changeable, showery.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

THER: WIND								THER: WIND							
	BAR:	D.	W.	D.	F.	WEA	SEA		BAR:	D.	W.	D.	F.	WEA	SEA
Skudesnaes ...	29.58	64	62	NNE	2	7	2	Holyhead ...	29.81	68	60	SW	3	6	2
Sumburgh Head ...	29.62	58	57	NE	3	7	4	Valencia ...	29.73	64	59	SE	4	om	4
Stornoway ...	29.70	61	61	E	2	0	2	Scilly ...	29.84	69	64	SW	4	c	2
Aberdeen ...	29.74	62	59	SE	3	6	3	Jersey ...	29.73	67	63	SE	2	cm	2
Shields ...	29.78	69	64	SE	3	c	2	Dungeness ...	29.70	69	64	SW	4	6	2
Ardrossan ...	29.76	64	61	SW	1	6	1	London ...	29.86	79	70	SW	2	6	*
Malin Head ...	29.74	60	57	N	1	6	0	Yarmouth ...	29.87	68	61	S	4	6	3
Mullaghmore ...	29.74	60	57	WNW	2	6	2	Roche'ort ...	29.01	73	68	N	3	6	c
Belmullet ...	29.73	65	61	N	1	6	*								

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

Weather in morning fine and bright over Finland and the northern parts of Scandinavia, as well as in many parts of England, Ireland, Spain, the countries bordering on the Mediterranean, and southeastern Europe, cloudy and unsettled over the northern parts of the United Kingdom, and in southern Russia, with rain at several of the Scotch stations. Rain later in Norway, Scotland, Ireland, and some parts of England and France, with thunderstorms in several places. Very heavy rain locally at Berlin.

Temperature rising over England, France and Germany. Morning readings, exceeding 70° over Spain and the Mediterranean and most parts of southeastern Europe — 81° at Algiers, 80° at Trieste. Slightly exceeding 70° at Stockholm and in the northwest of Norway, lower elsewhere. Below 60° in the extreme northwest and north of our Islands, and as low as 44° at Archangel, 56° at Aberdeen and Belmullet, and 57° at Malin H. Wick and St. Petersburg. Rising to between 80° and 82° later in several parts of England, the south of France and at Berlin.

Wind mainly E over northern Europe, including Scotland, and blowing strongly in the Gulfs of Finland and Bothnia. Chiefly SW over the southern half of England, France, the Bay of Biscay and Spain. Very variable elsewhere. Not much change later, beyond a backing to SE at Valencia Island.

Barometer highest 30.3 ins. and more to 30.0 ins. over Scandinavia, Finland, and the northern half of Russia; 30.0 ins. and more over Spain and the southwest of France. Lowest 29.6 ins. and less, in a well marked depression over southern Russia, and 29.7 ins. and less, in a shallow disturbance off the coast of Scotland. Latter disturbance passing away to northwest later, but new one approaching Ireland from the southwestward.

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 19th July 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 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 ...	30.11	63	Z	0	b	30.08	- .10	68	64	+ 2	S	2	b	*	73	52	—
	Hernösand ...	30.16	64	S	2	b	30.20	- .06	67	60	+ 0	SSW	2	b	*	84	46	—
	Stockholm ...	30.22	63	SE	2	b	30.21	+ .03	73	62	+ 4	SE	2	b	*	75	55	—
	Wishby ...	30.16	62	ESE	4	b	30.17	+ .08	69	61	+ 1	SSE	4	b	*	75	61	—
	Bodö ...	30.11	70	Z	0	b	30.09	- .02	68	59	- 2	Z	0	b	0	77	59	—
	Christiansund	30.07	69	WNW	1	c	30.08	- .04	66	59	+ 0	WNW	1	b	0	70	54	—
	Skudesnaes ...	30.10	64	SSE	6	b	30.01	- .07	68	62	+ 1	E	4	c	2	70	59	—
	Christiania Fjord (Færdier)	30.08	60	NNW	3	0	30.12	- .01	61	59	+ 3	N	2	0	1	61	59	—
	Skagen (The Seaw)	30.13	61	NNW	1	0	30.08	+ .03	64	61	+ 2	S	1	b	0	64	55	—
	Fanö ...	30.09	65	SE	2	b	30.01	- .05	66	65	- 1	SE	5	c	*	73	61	—
BRITISH ISLANDS.	Sumburgh Head	29.88	59	ESE	3	c	29.89	- .03	56	56	+ 1	ESE	1	m	4	61	53	—
	Stornoway ...	29.74	59	SW	3	c	29.77	+ .02	59	57	- 2	S	4	b	4	70	46	0.05
	Wick ...	29.80	58	SE	2	0	29.85	+ .01	55	54	- 3	SE	1	0	0	64	50	—
	Nairn ...	29.76	67	Z	0	b	29.82	+ .03	58	55	- 2	SW	1	0	1	72	52	0.03
	Aberdeen ...	29.88	60	S	3	c	29.86	- .00	56	53	- 5	S	1	omp	2	68	53	—
	Leith ...	29.87	65	NE	3	b	29.85	+ .02	62	57	- 6	SW	1	0	*	71	52	—
	Shields ...	29.92	67	S	2	c	29.86	- .01	55	54	- 8	Z	0	0	2	70	52	0.30
	Spurn Head ...	29.94	65	S	3	c	29.90	- .05	60	56	- 3	SSW	3	c	3	66	57	—
	York ...	29.94	68	N	1	0	29.88	- .04	58	55	- 5	SSE	1	0	*	70	53	0.09
	Loughborough	29.96	68	SSW	1	0	29.90	- .04	60	57	- 1	SSW	3	c	*	74	53	0.02
BRITISH ISLANDS.	Ardrossan ...	29.85	61	S	2	b	29.81	+ .03	65	60	+ 2	SE	1	b	1	65	51	0.08
	Malin Head ...	29.72	59	S	4	c	29.74	+ .07	57	55	+ 0	SSE	3	op	1	68	53	0.10
	Mullagmore ...	29.73	60	SSE	5	c	29.76	+ .09	58	54	+ 1	SE	2	c	2	65	54	0.03
	Belmullet ...	29.68	63	SW	2	b	29.74	+ .11	59	59	- 1	W	4	0	*	64	53	0.02
	Donaghadee ...	29.83	62	SSW	4	b	29.81	+ .06	56	54	- 1	SSE	4	c	2	70	55	0.01
	Liverpool (Bidston)	29.92	66	WNW	2	c	29.81	- .04	57	55	- 5	SE	3	c	3	72	52	0.01
	Holyhead ...	29.92	60	SSW	4	b	29.82	- .01	56	54	- 2	SSW	4	og	3	64	55	0.01
	Parsonstown ...	29.79	61	SE	1	c	29.83	+ .06	55	54	- 5	Z	0	c	*	65	53	0.11
	Valencia ...	29.69	55	SE	1	r	29.90	+ .17	60	58	+ 0	WSW	4	om	4	61	52	0.15
	Roche's Point...	29.77	60	SSW	5	0	29.87	+ .07	60	57	- 2	W	4	c	5	63	53	0.37
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.92	60	SSW	5	b	29.92	+ .04	58	56	+ 0	WSW	5	0	6	62	55	0.31
	Scilly ...	29.45	64	S	5	b	30.02	+ .08	61	59	- 1	SSW	5	c	5	66	55	0.16
	Prawle Point ...	30.02	61	WSW	3	b	30.05	+ .07	58	57	- 2	W	5	og	4	65	54	0.18
	Jersey (St. Aubin's)	30.06	60	SW	3	0	30.15	+ .12	61	59	- 3	SW	5	cm	4	66	57	0.10
	Hurst Castle ...	30.02	61	WSW	3	c	30.03	+ .03	61	60	- 1	SW	6	cm	3	67	58	—
	Dungeness ...	30.02	60	W	3	r	30.03	+ .01	60	58	- 3	W	5	b	4	67	59	0.10
	London ...	30.01	64	S	2	0	29.99	- .01	61	58	- 4	SSW	3	c	*	70	55	0.02
	Oxford ...	30.00	61	SW	2	0	29.95	- .02	61	57	- 1	SW	4	c	*	72	52	—
	Cambridge ...	30.00	67	SW	1	0	29.97	- .01	58	57	- 7	SSW	1	0	*	70	51	0.04
	Yarmouth ...	29.98	65	S	3	c	29.93	- .08	57	56	- 6	SSW	2	c	2	67	56	0.32
GERMANY & HOLLAND.	Cuxhaven ...	30.09	67	E	1	m	30.01	- .04	66	64	+ 0	SSE	1	b	*	73	64	0.02
	Berlin ...	30.11	69	WNW	1	b	30.09	+ .01	64	64	+ 2	ESE	1	0	*	75	61	0.12
	Wiesbaden ...	*	*	*	*	*	30.06	- .08	69	65	+ 6	SW	1	r	*	81	63	—
	Munich ...	30.17	68	NE	1	b	30.12	- .09	70	65	+ 3	SE	2	b	*	75	55	—
	The Helder ...	30.05	67	ENE	1	b	29.96	- .10	59	58	- 7	W	4	r	3	72	59	0.16
	Brussels (9 a.m.)	*	*	*	*	*	30.10	+ .02	58	57	- 10	WSW	4	0	*	80	54	0.55
	Cape Gris Nez	30.01	62	Z	0	r	30.06	+ .07	59	57	- 6	WSW	5	b	5	75	57	0.38
	Paris ...	30.02	73	NNW	2	0	30.21	+ .12	61	58	- 5	W	2	b	*	85	57	0.32
	Brest ...	?	66	SW	3	b	?	?	61	59	+ 1	W	4	c	3	72	57	—
	Lorient ...	30.08	63	WNW	3	c	30.17	+ .13	62	57	+ 0	W	4	b	5	68	59	—
FRANCE AND BELGIUM.	Rochefort ...	30.07	63	WNW	5	0	30.23	+ .17	64	58	+ 0	SW	3	b	*	74	57	0.24
	Belfort ...	30.11	66	NW	3	b	30.13	- .02	61	55	- 5	W	3	r	*	79	50	0.20
	Lyons ...	30.02	81	E	2	b	30.31	+ .19	57	55	- 11	NNW	1	r	*	84	54	0.32
	Nice ...	30.06	73	SW	2	b	30.07	- .01	73	69	+ 2	W	1	b	0	82	64	—
	Perpignan ...	29.98	80	N	1	b	30.23	+ .15	68	61	- 7	NW	4	b	*	84	64	—
	Biarritz ...	30.13	67	NW	3	r	30.30	+ .27	64	61	- 6	SW	2	c	2	75	64	0.12
	Corunna ...	*	*	*	*	*	30.30	+ .23	69	65	+ 3	SW	4	c	3	77	54	—
	Lisbon ...	30.23	69	N	4	b	30.27	+ .11	64	57	- 5	N	5	b	3	77	61	—

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

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

WEATHER CHARTS

for 8 a.m. on Sunday, 19th July, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER Isotherms 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 the barbs and feathers refer to force thus—
 ————— forces above 10; ————— forces 8 to 10;
 ————— forces 5 to 7; ————— forces 1 to 4.
 ————— dead calm.

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

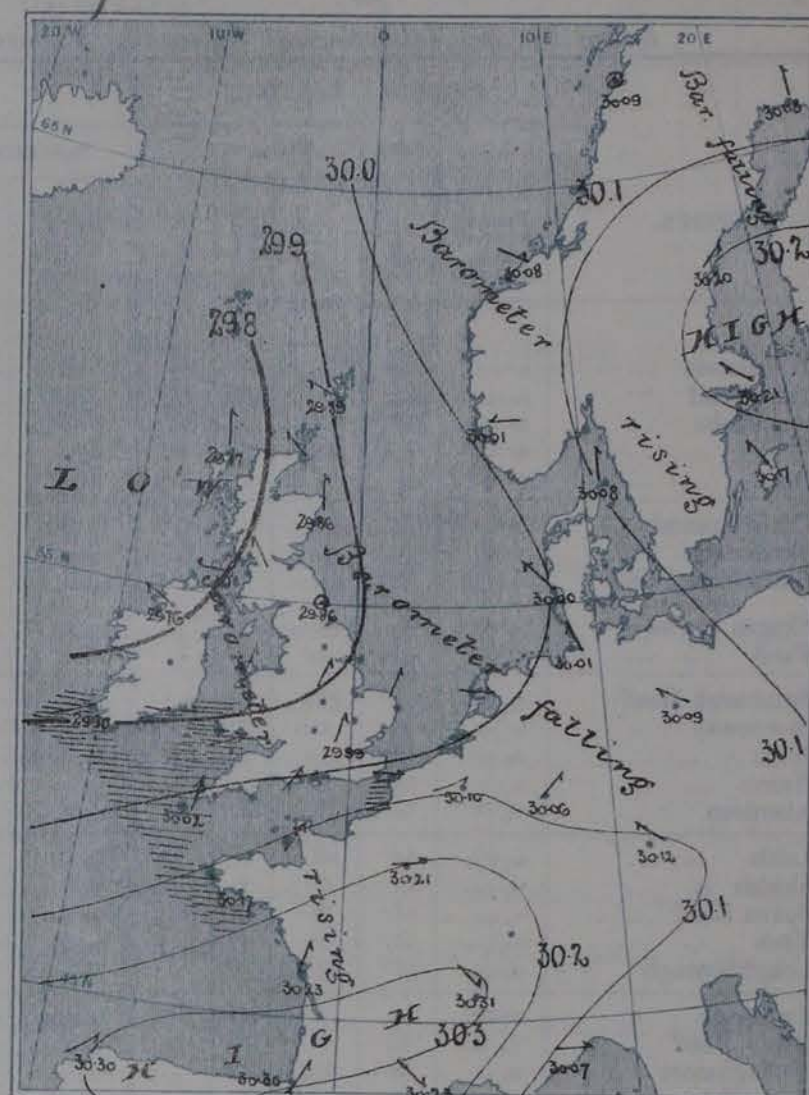
MEAN HEIGHT OF THE BAROMETER

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

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Sornoway	29.705
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.930
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

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

STATIONS.	TEMPERATURE.				RAINFALL <i>(Inches.)</i>
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Sornoway	60.2	48.9	55.5	53.4	3.02
Wick.....	61.8	48.7	55.8	53.5	2.34
Nairn.....	64.3	50.9	56.7	53.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith.....	66.7	51.2	58.4	54.9	2.85
Shields.....	64.1	52.2	58.3	55.0	2.66
Spurn Head.....	65.1	55.2	59.5	56.8	1.74
York.....	68.7	51.5	60.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.84
Ardrossan	63.5	52.8	57.8	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.1	3.72
Donaghadee.....	61.2	51.8	57.4	53.5	2.82
Holyhead.....	63.8	54.3	58.1	55.8	2.40
Liverpool.....	65.9	54.2	59.1	55.0	2.94
Parsonstown	66.4	51.5	58.1	54.8	2.66
Valencia.....	64.0	53.6	58.9	56.4	3.90
Roche's Point.....	66.1	53.2	58.8	55.0	3.29
Pembroke.....	62.5	54.8	58.0	56.9	2.54
Scilly.....	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey.....	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.3	58.8	2.24
Dover.....	66.8	56.3	61.9	58.4	1.05
LONDON.....	72.4	54.0	62.0	57.8	2.38
Oxford.....	69.6	53.4	60.9	56.6	2.58
Cambridge.....	71.9	52.2	61.3	57.7	2.42
Yarmouth.....	65.6	54.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins: and upwards, over the north of Spain and the south of France; 30.2 ins: and upwards over the Gulf of Bothnia.
 Lowest, 29.8 ins: and less, in a depression lying off the northwest of our Islands.
 Gradients slight generally, but somewhat irregular. Barometer falling over Denmark, the Netherlands, and the east of England, but rising in most other localities.

TEMPERATURE

Highest, 73° at Stockholm and Nice, 70° at Munich, and 69° at Mity, Skutumpah, Warbuden and Courma.
 Lowest, 55° at Wick, Shields and Parsonstown, 50° at Lumburg, H. Aberdeen, Donaghadee, and Holyhead, and 57° at Malin, Liverpool, Lyons.
 The highest maxima registered over our Islands yesterday were 74° at Loughborough and 72° at Naun, Liverpool and Oxford.

WIND

Moderate to fresh from the W^{ind} or S.W^{ind} over the southern parts of the United Kingdom and the west and north of France.
 Light or moderate from the SE^{ind} in the north of our Islands, and also on the eastern shores of the North Sea.
 Light from the W^{ind} over the central and southern part of France.

WEATHER

Cloudy and showery over the greater part of the United Kingdom.
 Fine at most of the Continental stations, but rainy at the Helder and Mirebaden.
 Thunderstorms and heavy rain occurred yesterday in many parts of England, France, and Germany.

SEA

Rather rough off the southwest of our Islands and also in the Straits of Dover, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 20th July 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

None issued

WARNINGS

None issued

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

YESTERDAY'S 2 P.M. REPORTS.

		THER:		WIND						THER:		WIND					
	BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA		
Skudesnaes ...	29.11	69	62	SSE	4	c	3	Holyhead ...	29.92	63	58	SSW	4	b	3		
Sumburgh Head ...	29.90	61	60	ESE	3	o	5	Valencia ...	29.73	60	57	S	6	op	5		
Stornoway ...	29.72	66	64	SW	2	c	2	Scilly ...	29.97	66	60	S	4	o	4		
Aberdeen ...	29.85	64	57	SSE	4	bcmg	4	Jersey ...	30.06	65	60	SSW	1	e	3		
Shields ...	29.91	62	60	S	1	cp	2	Dungeness ...	30.04	64	61	W	3	c	2		
Ardrossan ...	29.83	63	60	ESE	3	bc	2	London ...	30.01	67	62	S	2	o	*		
Malin Head ...	29.72	66	55	S	5	bc	2	Yarmouth ...	29.98	65	63	S	3	c	3		
Mullaghmore ...	29.72	61	55	S	5	exp	3	Rochefort ...	30.06	70	67	NNW	4	o	*		
Belmullet ...	29.69	64	59	SSW	3	b	*										

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

Weather fine in the extreme northern and southern part of the United Kingdom, as well as at most of the Continental stations, but showery in the north of Ireland, and also in some parts of Central England. Dull in Spain, rainy in the west of France. Thunderstorms occurring later in many parts of England, France, and Germany, with heavy rain in places.

Temperature highest 82° at Barcelona, 81° at Constantinople, 80° at Trieste, and 79° at Brindisi and Algiers; above 70° in most part of southern and eastern Europe and just reaching that point at Bodo. Lowest (1) 52° at Moscow, 51° at Archangel, and 60° at Kiev; (2) 55° at Sumburgh Head and 57° at Malin Head, Mullaghmore, and Donaghadee. Daily maxima very little above 70° in any part of the United Kingdom but thermometer exceeding 80° in most of the central and southern countries, the highest European readings being 93° at Florence and Brindisi and 91° at Rome.

Wind moderate from the SWnd in the west and south of our Islands and the north of France; light from the SEnd on our northern coasts; E^{ly} over Scandinavia, Denmark, and the Baltic; Moderate from between NW and W. over the Iberian Peninsula; variable over Italy and Central Europe; light from the Nth in the south of Russia; S^{ly} or SE^{ly} in Algeria. Subsequently veering to the Snd over the northern parts of the United Kingdom, but little change occurring elsewhere.

Barometer highest 30.2 in. and upwards in a large anticyclone lying over Finland and the Gulf of Bothnia, as well as in two smaller systems lying respectively over South Germany and Central Portugal. Lowest 29.7 in. and less, in a depression lying off the west of Ireland; 29.8 in. and less in a depression lying off the west of Ireland; 29.8 in. and less, in another disturbance having its centre near the mouth of the Danube. No important change occurring during day, but new depression approaching the south of Ireland 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.

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„ Weekly

„ £1 10 0

DAILY WEATHER REPORT.

for *Monday, 20th July, 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.	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 ...	30.02	64	2	0	b	30.01	- 07	65	61	- 3	SW	2	b	*	75	41	-	
	Hernösand ...	30.10	?	S	4	b	30.06	- 14	66	61	- 1	S	4	b	*	75	48	-	
	Stockholm ...	30.15	64	SE	2	b	30.08	- 13	74	63	+ 1	SE	4	b	*	77	55	-	
	Wisby ...	30.12	63	NE	4	b	30.07	- 10	71	66	+ 2	NE	4	b	*	77	?	-	
	Bodö ...	30.03	66	NE	2	b	29.92	- 17	74	60	+ 6	E	2	b	1	77	59	-	
	Christiansund	29.86	67	NE	2	b	29.82	- 26	59	57	- 7	WSW	6	c	2	70	59	-	
	Skudesnaes ...	29.80	70	ESE	4	c	29.40	- 11	62	57	- 6	SSW	6	bc	4	75	55	0.20	
	Christiania Fjord (Færdar)	29.58	66	NE	2	c	29.47	- 15	64	60	+ 3	WSW	5	c	3	66	61	0.16	
	Skagen (The Scaw)	29.90	68	S	2	r	30.00	- 08	62	58	- 2	SW	2	c	1	73	57	0.32	
	Fanö ...	30.02	59	SW	5	c	30.02	+ 01	62	60	- 4	SW	5	c	*	73	59	0.16	
BRITISH ISLANDS.	Sumburgh Head	29.74	53	WNW	2	r	29.62	- 27	52	52	- 4	S	2	r	4	57	49	2.60	
	Stornoway ...	29.75	50	S	4	bc	29.65	- 12	58	57	- 1	SW	5	0	4	65	54	-	
	Wick ...	29.75	57	S	2	r	29.67	- 18	58	56	+ 3	SSW	2	0	1	60	50	0.08	
	Nairn ...	29.75	64	2	0	0	29.71	- 11	60	58	+ 2	WSW	2	bc	1	64	54	-	
	Aberdeen ...	29.79	58	S	3	c	29.80	- 06	59	56	+ 3	SSW	3	c	2	64	55	0.12	
	Leith ...	29.80	62	W	1	0	29.84	- 01	60	55	- 2	W	3	0	*	67	56	0.01	
	Shields ...	29.81	59	ESE	2	0	29.92	+ 06	61	57	+ 6	SW	4	c	2	62	53	0.14	
	Spurn Head ...	29.89	64	WSW	3	bc	30.01	+ 11	60	56	0	SW	3	bc	3	65	55	0.10	
	York ...	29.88	62	W	3	0	29.98	+ 10	62	57	+ 4	W	3	b	*	64	55	0.20	
	Loughborough	29.96	65	W	3	c	30.06	+ 16	63	58	+ 3	WSW	4	c	*	71	54	-	
GERMANY & HOLLAND.	Ardrossan ...	29.81	60	SSW	3	c	29.84	+ 03	57	56	- 8	SSW	5	r	4	69	56	0.02	
	Malin Head ...	29.79	60	W	3	c	29.79	+ 05	56	56	- 1	SSW	4	oap	2	64	54	0.16	
	Mullaghmore ...	29.85	59	SSW	3	op	29.84	+ 03	58	56	0	SSW	5	op	3	62	55	0.09	
	Belmullet ...	29.83	57	WSW	4	r	29.82	+ 08	59	59	0	WSW	2	op	*	62	56	0.08	
	Donaghadee ...	29.85	62	WSW	2	c	29.90	+ 09	61	59	+ 5	SW	2	c	0	69	55	0.05	
	Liverpool (Bldston)	29.92	63	WSW	4	c	29.99	+ 17	62	56	+ 5	SW	3	0	3	67	55	0.01	
	Holyhead ...	29.92	57	WSW	5	mtg	29.97	?	57	56	+ 1	SSW	4	rgm	4	65	54	0.10	
	Parsonstown ...	29.92	61	SW	1	0	29.90	+ 07	60	59	+ 5	2	0	*	63	52	0.22		
	Valencia ...	29.97	62	SSW	4	cm	29.91	+ 01	62	61	+ 2	SW	1	0	1	63	57	0.22	
	Roche's Point...	29.99	61	WSW	3	bc	29.91	+ 04	60	59	0	S	2	om	3	63	56	0.15	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.02	58	WSW	5	c	29.98	+ 06	57	56	- 1	S	5	0	6	60	56	0.13	
	Scilly ...	30.14	64	WSW	5	bc	29.98	- 04	59	59	- 2	S	6	m	5	66	57	0.04	
	Prawle Point ...	30.12	59	W	5	b	30.10	+ 05	58	57	0	SW	4	og	3	62	55	-	
	Jersey (St. Aubin's)	30.16	62	WSW	4	0	30.18	+ 03	62	59	+ 1	SSW	4	bcm	3	65	55	-	
	Hurst Castle ...	30.12	61	WSW	6	c	30.15	+ 12	61	60	0	WSW	5	c	3	65	58	-	
	Dungeness ...	30.09	62	W	7	b	30.14	+ 11	60	58	0	WSW	6	bc	5	65	57	-	
	London ...	30.05	61	SW	2	op	30.13	+ 14	60	56	- 1	WSW	2	c	*	70	53	0.63	
	Oxford ...	30.06	61	SW	4	0	30.10	+ 15	61	56	0	SW	3	b	*	70	52	-	
	Cambridge ...	30.03	67	SSW	1	b	30.10	+ 13	63	58	+ 5	SW	1	bc	*	71	53	-	
	Yarmouth ...	29.97	63	SW	2	cp	30.05	+ 12	63	58	+ 6	WSW	3	bc	2	69	56	0.37	
PENIN- SULA.	Cuxhaven ...	30.03	67	W	2	b	30.10	+ 09	60	59	- 6	SW	2	c	*	74	58	0.32	
	Berlin ...	30.10	63	W	3	r	30.18	+ 09	63	60	- 1	W	1	bc	*	79	57	0.08	
	Wiesbaden ...	*	*	*	*	*	30.23	+ 17	62	57	- 7	2	0	c	*	72	52	0.08	
	Munich ...	30.32	58	W	1	0	30.27	+ 15	61	57	- 9	NE	1	c	*	79	55	0.08	
	The Helder ...	30.06	62	SW	4	bc	30.11	+ 15	62	59	+ 3	SW	2	b	3	66	59	0.20	
	Brussels (9 a.m.)	*	*	*	*	*	30.18	+ 08	61	58	+ 3	WSW	1	c	*	69	56	0.04	
	Cape Gris Nez	30.12	59	SW	5	bc	30.15	+ 09	59	57	0	WSW	4	0	5	63	55	-	
	Paris ...	30.21	68	SW	2	b	30.23	+ 02	60	60	- 1	SW	2	bc	*	72	52	-	
	Brest ...	30.12	68	W	3	bc	?	?	60	59	- 1	W	4	0	4	72	54	0.04	
	Lorient ...	30.24	65	W	3	bc	30.19	+ 02	59	55	- 3	SW	3	0	4	68	55	0.08	
FRANCE AND BELGIUM.	Rochefort ...	30.28	68	WSW	4	b	30.24	+ 01	64	61	0	SE	3	0	2	?	?	-	
	Belfort ...	30.19	66	N	3	bc	30.20	+ 07	63	55	+ 2	N	3	bc	*	62	46	-	
	Lyons ...	30.25	65	N	1	b	30.23	- 08	62	54	+ 5	N	3	b	*	72	54	-	
	Nice ...	30.00	78	WNW	1	b	30.02	- 05	68	66	- 5	2	0	0	0	81	66	-	
	Perpignan ...	30.19	75	?	3	b	30.21	- 02	71	61	+ 3	W	3	b	*	97	60	-	
	Biarritz ...	30.30	69	NE	2	bc	30.25	- 05	65	61	+ 1	SE	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 Monday 20th July, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

SEA DISTURBANCE—Where considerable, is shown thus:

— Rough, — High

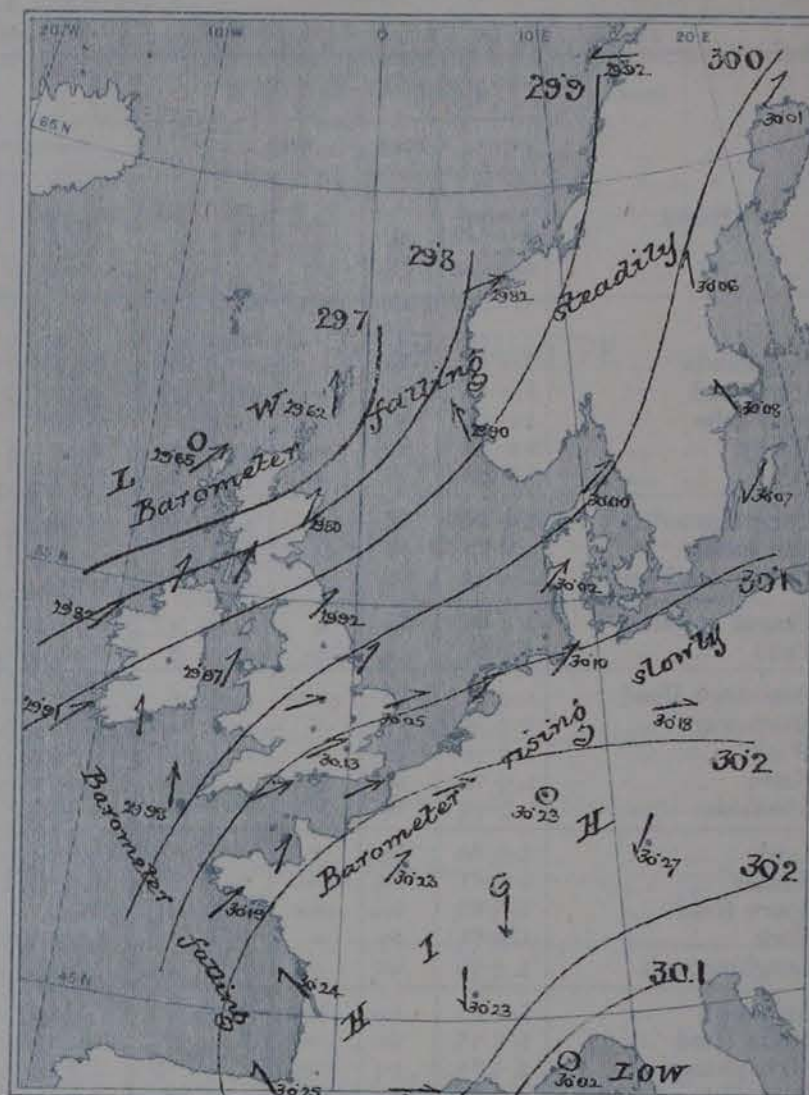
MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of July
During the 20 Years, 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.909
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.860
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.903
Parsonstown	29.913
Valencia	29.935
Rochie's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.958
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by letters of the Beaufort Scale.

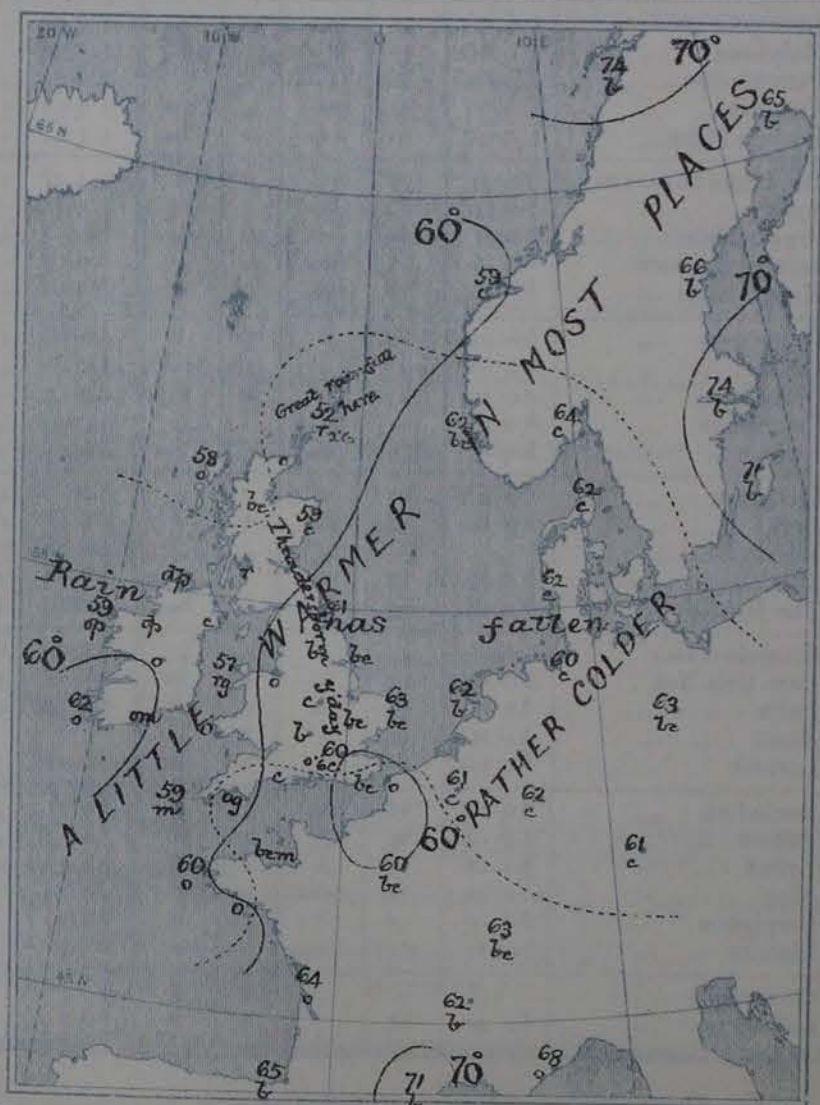
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Day.	Night.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	50.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.5	50.9	55.7	53.4	2.39
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	61.1	52.2	58.9	55.0	2.05
Spurn Head	63.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.3	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.31
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	64.2	51.3	57.4	55.5	2.82
Holyhead	63.8	54.2	58.1	55.8	2.40
Liverpool	65.9	54.2	59.4	55.6	2.96
Parsonstown	60.4	51.5	58.1	54.8	2.96
Valencia	61.0	53.8	58.9	56.4	3.20
Rochie's Point	63.1	53.2	58.8	55.9	2.54
Pembroke	62.5	54.3	58.0	55.0	2.40
Scilly	64.4	56.2	59.2	58.1	2.24
Prawle Point	64.5	53.7	59.6	57.3	2.70
Jersey	65.3	56.2	62.0	58.9	2.24
Hurst Castle	67.8	55.5	61.1	58.8	2.24
Dover	68.8	56.3	61.9	58.1	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.8	54.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	65.6	52.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. and upwards, in an anticyclone lying over France, South Germany, and the northeast of Spain.
 Lowest, 29.7 in. and less, in a depression lying off the north and northwest of Scotland.
 Gradients slight generally, but rather irregular. Barometer falling in Scandinavia and the extreme north of our islands, as well as over the Bay of Biscay and our southwest coast, but rising elsewhere.

TEMPERATURE

Highest, 74° at Bordeaux and Stockholm, 71° at Nîmes and Perpignan, 68° at Nice, 67° at Reims, and 66° at Amsterdam.
 Lowest, 52° at Seaburgh Head, 56° at Malin Head, 57° at Ardara, Holyhead and Pembroke, and 58° at Stornoway, Wick, and Mullaghmore.
 The highest maxima registered over our islands yesterday were 71° at Loughborough and Cambridge, and 70° in London and at Oxford.

WIND

Light to fresh from the SW² or S² over our islands, the North Sea, Denmark, the Netherlands and the greater part of Scandinavia.
 Light from the SE² in the west of France; variable in Germany and the east and south of France.

WEATHER

Dull in the western and northern parts of the United Kingdom, with passing showers in the north of Ireland, and rain at Seaburgh Head, Ardara, and Holyhead.
 Fine in the east and southeast of England, as well as at most of the Continental stations.
 Thunderstorms and heavy showers were experienced yesterday in many parts of England; in London the rain fell amounting to 0.6 in.
 At Seaburgh Head continuous heavy rain has fallen to the amount of 2.6 in.

SEA

Rough at the mouths of the English and Irish Channels, and rather rough in the Strait of Dover, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now falling decidedly at Seilly, and a depression is apparently advancing from the southwestward. An early renewal of showery thundery weather is therefore probable over England.

FORECASTS

For the 24 hours ending at NOON on 21st July 1891.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	S ² and SW ² winds, light, changeable, some showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW ² to S ² winds, moderate, fine to dull and some rain, possibly thunder.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	S ² and SW ² winds, increasing in force, fair to squally and showery, thunder locally.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	S ² winds, moderate, unsettled, rain at times.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S ² to SW ² winds, strong, squally, showery, thunder locally.
9	IRELAND NORTH	SW ² winds, moderate, unsettled, 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.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.89	75	64	SE	2	c	2	Holyhead ...	29.89	64	59	SW	4	bc	4
Sumburgh Head								Valencia ...							
Stornoway ...	29.77	60	58	S	4	0	4	Scilly ...							
Aberdeen ...								Jersey ...	30.19	65	60	W	5	c	4
Shields ...								Dungeness ...	30.07	64	61	W	7	b	5
Ardrossan ...								London ...							*
Mulin Head ...	29.79	58	57	SW	3	0	2	Yarmouth ...							
Mullaghmore ...								Rochefort ...	30.25	72	63	NW	4	bc	2
Belmullet ...	29.81	62	59	WSW	3	0	*								

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

Weather cloudy and showery over the greater part of the United Kingdom but fine at nearly all the Continental stations. Thunderstorms occurring over England during day with heavy rain in places — as much as 0.6 inch measured in London. Continuous rain falling in the Shetlands the amount recorded next morning being as much as 2.6 inches at Sumburgh Head.

Temperature highest 81° at Nice, 80° at Algiers and Brindisi and 79° at Tangier; above 70° in most parts of southern and eastern Europe, and also at some of the Baltic stations; above 65° over nearly the whole of Scandinavia. Lowest 55° at Wick, Shields, and Stornoway, 56° at Sumburgh Head, Aberdeen, Donaghadee and Holyhead, and 57° at Malin Head, Liverpool and Lyons, below 60° in most parts of the United Kingdom as well as in some of the central parts of France and Russia. Daily maxima very little above 70° in any part of the United Kingdom but thermometer exceeding 80° in France and reaching 97° at Perpignan.

Wind light to fresh from the S.W. over the southern parts of our Islands and the west and north of France; S.W. or S.E. over the northern half of the United Kingdom, and the eastern shores of the North Sea. Light from the eastward over the west and south of Russia, variable over southern Europe, Algeria and the Mediterranean. Subsequently veering to the South or South-west in the north of our Islands.

Barometer highest 30.2 inches to 30.3 inches in an anticyclone lying over France and the western and northern parts of the Iberian Peninsula, and also in another system lying over Finland and the Gulf of Bothnia. Lowest 29.8 inches and less in a depression lying to the north-west of the United Kingdom. Depression subsequently travelling steadily N.W. but secondary disturbances passing across our Islands in an E. direction and barometer remaining somewhat unsteady.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 12TH TO THE 18TH JULY 1891.

The fair dry weather which prevailed at the close of the previous week continued throughout the greater part of this period. Towards the end of the time, however, a gradual change took place, shower being reported in most places with thunderstorms at many of the English stations.

During the first day or two an anticyclone spread over the United Kingdom from the southward while on the night of the 13th a new high pressure system advanced over the northern parts of our Islands and the North Sea from the westward. The wind which was at first light and variable ultimately became E. or N.E. and the weather was everywhere fair and dry. In the meantime, however, a depression was gradually spreading eastward from Germany and on the 16th the central portion of the system moved in a W.N.W. direction across the North Sea to the northern parts of our Islands, the passage of the disturbance being attended by heavy rain in Scotland.

At the close of the week a series of depressions was beginning to advance over our Islands from the southward and light to fresh breezes from the South were setting in generally with showery thundery weather.

Temperature has been mostly rather low for the time of year but on the 16th and 17th the thermometer rose decidedly, the maximum readings on the latter day being a little above 80° in some parts of England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT.

for *Tuesday 21st July 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 ...	30.00	63	SSE	2	b	30.00	- .01	63	62	- 2	SW	2	c	*	70	59	—	
	Hernösand ...	30.02	68	S	2	b	30.03	- .03	68	62	+ 2	S	4	b	*	79	52	—	
	Stockholm ...	30.08	66	S	2	b	30.12	+ .04	70	63	- 4	Z	0	b	*	79	59	—	
	Wisby ...	30.07	66	SSW	4	b	30.12	+ .05	67	64	- 4	SW	4	c	*	79	59	—	
	Bodö ...																		
	Christiansund	29.94	62	ESE	4	b	29.97	+ .05	64	59	+ 5	Z	0	c	0	64	57	—	
	Skudesnaes ...	29.99	62	SSE	6	c	30.00	+ .10	62	58	0	SSE	6	b	4	64	61	—	
	Christiania Fjord (Færder)	30.04	63	SSW	3	c	30.09	+ .12	65	60	+ 1	SW	3	b	3	?	63	—	
	Skagen (The Seaw)	30.06	59	W	1	b	30.15	+ .15	61	59	- 1	SSE	1	b	0	68	55	—	
	Fanö ...	30.12	57	WSW	1	b	30.11	+ .09	64	58	+ 2	SSW	2	b	*	66	57	—	
BRITISH ISLANDS.	Sumburgh Head	29.72	57	S	2	o	29.79	+ .17	58	55	+ 3	Z	0	o	3	59	50	0.37	
	Stornoway ...	29.72	60	SW	4	c	29.75	+ .10	56	55	- 2	SW	2	o	2	60	53	0.03	
	Wick ...	29.79	60	W	2	o	29.82	+ .15	59	57	+ 1	W	3	o	2	65	54	0.01	
	Nairn ...	29.76	62	W	1	b	29.78	+ .07	63	59	+ 3	Z	0	c	1	67	54	—	
	Aberdeen ...	29.83	65	SSW	3	b	29.84	+ .04	61	58	+ 2	S	2	c	1	67	56	0.04	
	Leith ...	29.87	67	S	3	b	29.85	+ .01	60	58	0	E	1	om	*	68	57	0.06	
	Shields ...	29.92	63	S	3	o	29.88	- .04	62	60	+ 1	S	3	c	2	68	54	—	
	Spurn Head ...	30.00	64	SSW	4	b	29.94	- .07	62	60	+ 2	S	3	o	3	70	58	—	
	York ...	29.98	65	SSW	2	o	29.93	- .05	63	60	+ 1	S	2	o	*	67	55	0.01	
	Loughborough	30.03	63	SSW	4	o	29.97	- .09	62	59	- 1	SW	3	c	*	69	59	—	
GERMANY & HOLLAND.	Ardrossan ...	29.86	58	W	3	o	29.84	00	58	57	+ 1	W	3	o	3	60	56	0.08	
	Malin Head ...	29.84	57	W	3	op	29.83	+ .04	57	55	+ 1	WSW	3	o	2	63	56	0.22	
	Mullaghmore ...	29.88	60	W	4	c	29.87	+ .03	58	55	0	WSW	4	o	2	63	56	0.08	
	Belmullet ...	29.88	61	W	3	o	29.86	+ .04	58	56	- 1	W	4	o	*	65	56	0.01	
	Donaghadee ...	29.84	62	SW	2	c	29.88	- .02	60	58	- 1	W	3	c	1	69	58	0.42	
	Liverpool (Bidston)	29.94	64	SSW	2	o	29.91	- .08	61	59	- 1	SW	2	r	2	65	58	0.10	
	Holyhead ...	29.93	59	SSW	4	my	29.92	- .05	58	57	+ 1	WSW	2	og	2	61	55	0.27	
	Parsonstown ...	29.90	67	Z	0	c	29.92	+ .02	59	57	- 1	Z	0	o	*	71	54	0.02	
	Valencia ...	29.97	63	NW	2	c	29.98	+ .07	59	57	- 3	WSW	2	o	3	64	56	0.06	
	Roche's Point...	29.98	64	W	4	b	29.97	+ .06	62	58	+ 2	W	3	c	3	70	57	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.98	58	SW	3	f	29.98	00	58	57	+ 1	WSW	2	c	4	60	57	0.01	
	Scilly ...	30.04	61	W	3	f	30.03	+ .05	61	60	+ 2	W	3	cp	4	65	59	0.01	
	Prawle Point ...	30.06	58	SW	2	f	30.04	- .06	59	59	+ 1	WSW	3	f	2	59	55	0.57	
	Jersey (St. Aubin's)	30.11	63	SSE	3	ogm	30.10	- .08	61	60	- 1	SW	2	og	2	65	60	0.16	
	Hurst Castle ...	30.10	60	SW	3	o	30.04	- .11	60	60	- 1	WSW	3	cdpm	2	67	59	0.11	
	Dungeness ...	30.13	63	WSW	3	b	30.05	- .09	60	59	0	SW	4	o	3	66	59	0.05	
	London ...	30.09	64	W	2	c	30.03	- .10	63	61	+ 3	WSW	1	omdp	*	71	59	0.03	
	Oxford ...	30.06	58	S	2	o	30.00	- .10	62	60	+ 1	S	2	o	*	68	58	0.01	
	Cambridge ...	30.06	68	SW	1	c	29.99	- .11	66	62	+ 3	S	1	o	*	72	57	—	
	Yarmouth ...	30.02	65	SW	3	c	30.02	- .03	61	60	- 2	S	4	c	4	68	59	0.06	
PENINSULA.	Cuxhaven ...	30.15	65	WNW	2	b	30.14	+ .04	66	65	+ 6	S	1	c	*	73	?	—	
	Berlin ...	30.13	69	ESE	1	b	30.13	- .05	66	63	+ 3	ESE	1	o	*	75	61	—	
	Wiesbaden ...	*	*	*	*	*	30.17	- .06	63	59	+ 1	N	1	b	*	73	54	—	
	Munich ...	30.20	62	NE	1	c	30.19	- .08	63	57	+ 2	W	5	b	*	72	55	—	
	The Helder ...	30.14	60	SW	1	b	30.11	00	62	59	0	W	1	c	1	66	55	—	
	Brussels (9 a.m.)	*	*	*	*	*	30.12	- .06	67	61	+ 6	SSW	2	b	*	70	54	—	
	Cape Gris Nez	30.12	64	SW	3	b	30.06	- .09	63	61	+ 4	SSW	3	o	2	66	55	—	
	Paris ...	30.18	67	SSW	1	b	30.15	- .08	60	59	0	SW	1	r	*	71	56	—	
	Brest ...	?	69	WNW	2	c	?	?	61	61	+ 1	WNW	2	m	3	72	59	—	
	Lorient ...	30.13	65	W	3	c	30.13	- .06	62	61	+ 3	W	1	o	3	66	57	0.08	
FRANCE AND BELGIUM.	Rochefort ...	30.19	68	SSW	4	o	30.15	- .09	66	65	+ 2	NW	3	o	2	73	64	—	
	Belfort ...	30.17	66	N	3	b	30.18	- .02	64	59	+ 1	WNW	1	b	*	77	55	—	
	Lyons ...	30.15	70	N	2	b	30.18	- .05	64	57	+ 2	N	1	b	*	75	57	—	
	Nice ...	29.97	73	SW	1	b	29.98	- .04	72	64	+ 4	Z	0	b	0	82	64	—	
	Perpignan ...	30.10	81	W	3	b	30.14	- .07	73	64	+ 2	W	2	b	*	84	62	—	
	Biarritz ...	30.21	73	NW	3	b	30.19	- .06	66	62	+ 1	SW	2	b	2	79	63	—	
	Corunna ...	*	*	*	*	*													
	Lisbon ...	30.08	72	NNW	6	b	30.07	- .09	70	65	+ 3	N	4	b	3	84	66	—	

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, 28th July, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

ISOBARS. Isobars are drawn for each tenth of an inch.
Changes since previous morning are stated in words.
WINDS. 1. are shown the prevalent winds. They fly with the wind and the birds and feathers refer to force thus—
→ forces above 10; → forces 8 to 10;
→ forces 5 to 7; → forces 1 to 4;
— dead calm.

SEA DISTURBANCE. Where considerable, is shown thus:

— Rough. — High.

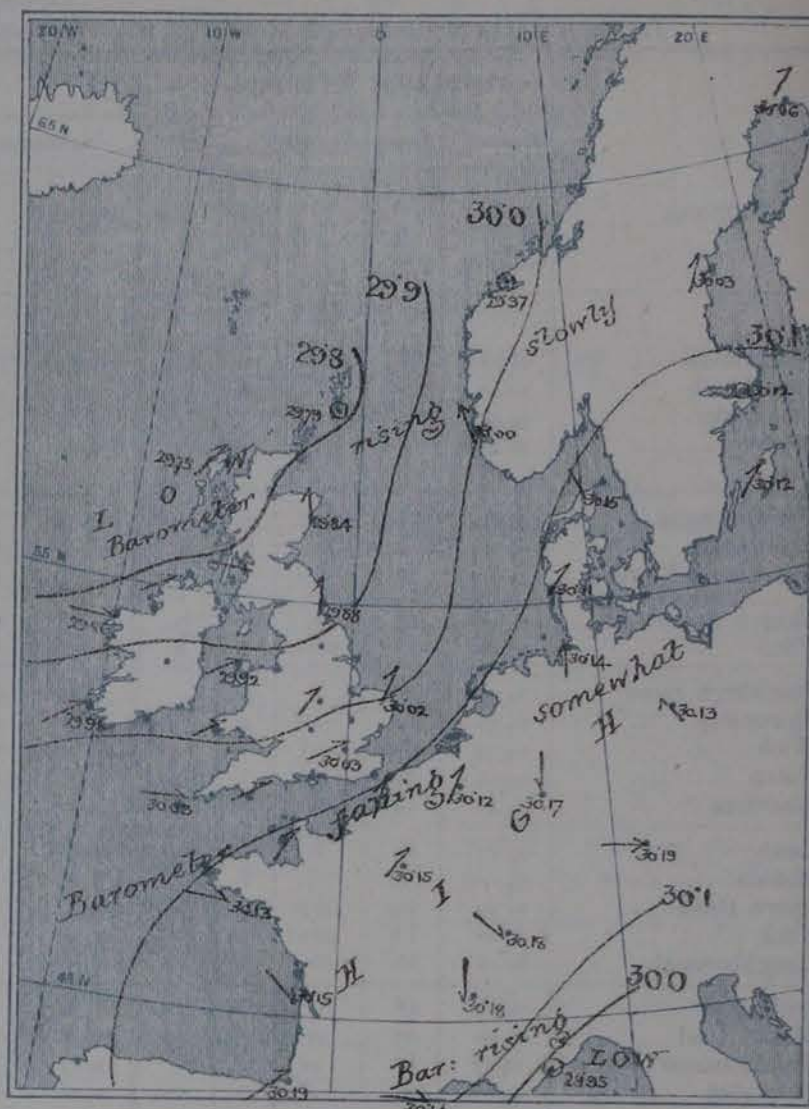
MEAN HEIGHT OF THE BAROMETER

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

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head.....	29.784
Stornoway.....	29.795
Wick.....	29.806
Nairn.....	29.815
Aberdeen.....	29.826
Leith.....	29.844
Shields.....	29.867
Spurn Head.....	29.900
York.....	29.901
Loughborough.....	29.928
Ardrossan.....	29.956
Mullaghmore.....	29.969
Donaghadee.....	29.977
Holyhead.....	29.910
Liverpool.....	29.906
Parsonstown.....	29.913
Valencia.....	29.935
Roche's Point.....	29.932
Pembroke.....	29.936
Scilly.....	29.974
Prawle Point.....	29.987
Jersey.....	30.001
Hurst Castle.....	29.968
Dover.....	29.957
LONDON.....	29.957
Oxford.....	29.946
Cambridge.....	29.937
Yarmouth.....	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway.....	60.2	48.9	55.5	53.0	3.02
Wick.....	61.8	48.7	55.8	53.5	2.34
Nairn.....	64.3	50.9	56.7	53.3	2.59
Aberdeen.....	63.2	50.6	57.5	53.0	2.78
Leith.....	66.7	51.2	58.4	54.9	2.85
Shields.....	64.1	52.2	58.3	55.0	2.66
Spurn Head.....	65.1	55.2	59.5	56.8	1.74
York.....	68.7	51.9	59.2	55.9	2.70
Loughborough.....	71.5	52.6	61.4	57.6	2.34
Ardrossan.....	63.5	52.8	57.3	54.6	2.91
Mullaghmore.....	62.9	54.0	57.2	54.4	3.72
Donaghadee.....	63.2	51.8	57.4	55.5	2.82
Holyhead.....	63.8	54.3	58.1	55.8	2.40
Liverpool.....	65.9	54.2	59.4	55.6	2.96
Parsonstown.....	66.4	51.5	58.1	54.8	2.96
Valencia.....	64.0	53.6	58.9	56.4	3.90
Roche's Point.....	66.1	53.2	58.8	55.9	3.29
Pembroke.....	62.5	54.8	58.0	56.0	2.54
Scilly.....	64.4	56.2	60.2	58.1	2.46
Prawle Point.....	64.5	53.7	59.6	57.3	2.24
Jersey.....	68.3	56.2	62.0	58.9	2.40
Hurst Castle.....	67.8	55.5	61.1	58.8	2.24
Dover.....	66.8	56.3	61.9	58.1	1.55
LONDON.....	72.4	54.6	62.0	57.8	2.38
Oxford.....	69.6	53.4	60.0	56.6	2.58
Cambridge.....	71.9	52.2	61.3	57.7	2.42
Yarmouth.....	66.6	54.9	60.0	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 in; and upwards in a large anticyclone lying over the Bay of Biscay, France, the Netherlands, Germany, Denmark and the S. of Sweden.
Lowest 29.8 in. and less in a depression lying over the north and west of Scotland.

Gradients slight. Barometer rising a little in Scandinavia and the north of our Islands, but falling slightly in most other places.

TEMPERATURE

Highest 73° at Perpignan, 70° at Stockholm, Nice and Lisbon, 68° at Helmsland, and 67° at Wexby.

Lowest 55° at Lumburg Head, 56° at Honoum, 57° at Mullin Head, and 58° at Alderson, Belmullet, Clonsilla, Clonsilla, Killybegs and Portlough.

The highest maxima registered over our Islands yesterday were 72° at Cambridge and 71° in London and at Parnassus.

WIND

Light from the Westward on the west coasts of our Islands and France.

Southerly in most other parts of Northwestern Europe, but variable in Germany and the south of France.

WEATHER

Cloudy or overcast in nearly all parts of the United Kingdom, with passing showers in many places, and fog at Parnassus Point.
Fine at most of the Continental stations but rainy at Paris.

Showers fell yesterday in nearly all parts of our Islands, and thunder was heard at Parnassus Point.

SEA

Moderate on our southwest coasts but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is beginning to fall again in Ireland so that further depressions are probably advancing from the westward.

Unsettled showery weather seems likely to continue over the greater part of the Kingdom.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

S^{ly} and SW^{ly} winds, light; fair to cloudy and showery.

S^{ly} and SW^{ly} winds, light; cloudy, some showers, thunder locally.

SW^{ly} winds, moderate; cloudy, some showers, thunder locally.

DISTRICTS.

FORECASTS.

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

W^{ly} to SW^{ly} winds, moderate; cloudy, 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 ...	29.95	64	54	S	6	bc	4		Holyhead ...	29.94	59	58	SSW	4	mdg	4
Sumburgh Head ...	29.71	55	55	SSW	1	o	4		Valencia ...	29.95	63	61	WSW	3	om	4
Stornoway ...	29.70	60	57	SW	4	o	4		Scilly ...	30.02	65	63	WSW	3	o	5
Aberdeen ...	29.81	63	58	SSW	4	ogp	3		Jersey ...	30.15	65	61	SSE	3	ogm	3
Shields ...	29.93	66	59	SW	4	c	2		Dungeness ...	30.15	64	60	WSW	5	bc	4
Ardrossan ...	29.86	60	59	SW	3	o	2		London ...	30.10	67	59	S	3	c	*
Main Head ...	29.82	61	59	WSW	4	op	3		Yarmouth ...	30.08	68	60	W	2	bc	3
Mullaghmore ...	29.87	61	60	SW	4	op	2		Rochefort ...	30.21	69	64	SSW	4	o	*
Belmullet ...	29.87	62	60	WSW	2	o	*									

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

Weather dull in the western and northern parts of the United Kingdom with steady rain or passing showers in many places. Fine in the east and southeast of England as well as at most of the Continental stations, but rainy in some parts of Germany and Austria.

Showers falling during day in nearly all parts of our Islands, — heavily at Pwllheli where thunder occurred.

Temperature highest 81° at Palma and Ifos, 80° at Tunis and 79° at Barcelona and Orindia; above 70° in most parts of Southern Europe as well as at some of the Scandinavian stations. Lowest 52° at Sumburgh Head, 56° at Main Head, and 57° at Ardrossan, Holyhead and Pembroke, below 60° at several of our own western and northern stations. Rising during day to 70° or a little above in some parts of Ireland and England and exceeding 80° in the south of France.

Wind light to fresh from the southward or south-westward over our Islands, the North Sea, Denmark, the Netherlands and the greater parts of Scandinavia. Light from South-East in the west of France and also at some of the Baltic stations; North-easterly or North-easterly in Spain, Italy and the south of Russia; West-easterly in Germany variable in Algeria. Subsequently veering to the Westward on the west coasts of our Islands and France; no important change occurring elsewhere.

Barometer highest 30.2 inches and upwards in a large anticyclone the central portion of which lay over France, South Germany, and the northeast of Spain. Lowest 29.7 inches and less in a depression lying to the northward and north-westward of Scotland. Depression gradually filling up during day but shallow secondary disturbances moving north-eastwards across the United Kingdom and barometer over our Islands very unsteady.

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, 22nd July, 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.			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 ...	29.95	63	SW	4	b	29.92	-0.08	65	64	+2	SW	4	0	*	75	61		
	Hernösand ...	30.02	65	SE	4	b	30.02	-0.01	70	61	+2	S	4	0	*	82	54		
	Stockholm ...	30.10	66	S	2	b	30.10	-0.02	72	66	+2	ESE	2	0	*	79	61		
	Wisby ...	30.12	65	SSW	4	b	30.05	-0.07	72	66	+5	SSW	2	0	*	73	61		
	Bodö ...	29.97	58	N	1	bc	29.94	-0.07	65	61	+10	SE	2	0	1	?	50		
	Christiansund	29.95	63	NE	3	c	29.94	-0.03	64	59	0	NNE	1	0	1	70	61		
	Skudesnaes ...	29.97	63	SE	6	c	29.91	-0.09	63	57	+1	SE	4	0	4	64	62		
	Christiania Fjord (Færder)	30.09	64	SW	2	b	30.02	-0.07	68	61	0	S	1	0	2	?	64		
	Skagen (The Scaw)	30.03	65	S	1	b	30.00	-0.15	67	63	+6	S	1	0	0	72	57		
	Fanö ...	30.02	59	SW	1	b	29.91	-0.20	65	62	+1	SE	5	0	*	68	59		
BRITISH ISLANDS.	Sumburgh Head	29.80	58	Z	0	bc	29.75	-0.04	56	56	+1	EHE	2	0	3	62	54	0.12	
	Stornoway ...	29.76	57	E	4	c	29.80	+0.05	57	55	+1	N	4	0	4	62	49		
	Wick ...	29.78	60	SE	1	c	29.72	-0.10	58	58	-1	S	1	0	0	67	54	0.48	
	Nairn ...	29.74	60	Z	0	c	29.71	-0.07	56	55	-7	NW	2	0	2	66	53	0.88	
	Aberdeen ...	29.76	58	SE	2	og	29.73	-0.11	59	57	-2	NW	1	0	1	65	55	0.16	
	Leith ...	29.74	61	N	1	+	29.74	-0.11	60	56	0	N	2	0	*	64	52	0.25	
	Shields ...	29.78	61	N	3	0	29.72	-0.16	55	54	-7	NW	2	0	2	65	52	0.36	
	Spurn Head ...	29.84	61	ESE	2	c	29.76	-0.18	57	55	-5	SW	3	0	3	71	56	0.20	
	York ...	29.84	65	N	1	c	29.76	-0.17	56	54	-7	SW	3	0	*	69	50	0.16	
	Loughborough	29.87	66	SW	3	c	29.82	-0.15	59	55	-3	N	3	0	*	70	55	0.04	
GERMANY & HOLLAND.	Ardrossan ...	29.77	60	SW	2	c	29.77	-0.07	59	56	+1	SW	3	0	2	62	55		
	Malin Head ...	29.76	56	SW	3	op	29.83	+0.00	56	54	-1	N	3	0	3	64	53	0.12	
	Mullaghmore ...	29.78	56	SW	5	or	29.88	+0.01	57	54	-1	NW	5	0	3	62	55	0.11	
	Belmullet ...	29.80	58	NW	5	cgp	29.94	+0.08	58	57	0	NW	3	0	*	61	55	0.47	
	Donaghadee ...	29.77	61	SW	2	+	29.81	-0.07	56	55	-4	SW	2	0	0	65	55	0.66	
	Liverpool (Bidston)	29.84	61	SW	2	c	29.80	-0.11	55	54	-6	N	4	0	3	66	53	0.70	
	Holyhead ...	29.84	57	SW	2	gmr	29.82	-0.10	55	54	-3	N	2	0	2	63	52	0.12	
	Parsonstown ...	29.90	59	Z	0	0	29.92	+0.00	57	54	-2	NW	1	0	*	63	50	0.19	
	Valencia ...	29.94	58	N	3	0	30.06	+0.08	56	53	-3	NW	3	0	3	63	54	0.09	
	Roche's Point ...	29.92	61	NW	4	c	29.96	-0.01	58	55	-4	NW	5	0	4	65	52		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.89	58	SW	5	c	29.89	-0.09	56	54	-2	NW	5	0	6	60	55	0.01	
	Scilly ...	30.00	60	N	4	c	30.00	-0.03	58	55	-3	NW	5	0	3	65	55		
	Prawle Point ...	29.97	58	NW	4	0	29.96	-0.08	57	55	-2	NW	3	0	2	61	54		
	Jersey (St. Aubin's)	30.03	64	SW	3	b	30.00	-0.10	61	58	0	N	3	0	3	66	57		
	Hurst Castle ...	29.95	62	SW	5	c	29.92	-0.12	63	61	+9	N	5	0	3	65	58		
	Dungeness ...	29.97	61	SW	4	f m	29.89	-0.16	60	58	0	SW	5	0	4	64	58		
	London ...	29.90	68	SW	1	c	29.88	-0.15	61	55	-2	NW	3	0	*	71	56	0.06	
	Oxford ...	29.90	63	SW	1	0	29.87	-0.13	59	54	-3	SW	3	0	*	68	55	0.06	
	Cambridge ...	29.88	67	SW	1	0	29.85	-0.14	61	57	-5	SW	1	0	*	70	55	0.12	
	Yarmouth ...	29.96	63	S	3	c	29.81	-0.21	59	57	-2	SW	3	0	2	66	57	0.63	
PENIN- SULA.	Cuxhaven ...	30.06	65	NNE	1	b	29.97	-0.17	64	62	-2	S	3	0	*	74	62		
	Berlin ...	30.07	67	NW	1	b	30.03	-0.10	66	64	0	NW	1	0	*	70	63		
	Wiesbaden ...	*	*	*	*	*	30.00	-0.17	66	62	+3	SW	1	0	*	77	59		
	Munich ...	30.12	62	NE	1	b	30.09	-0.10	64	59	+1	Z	0	0	*	70	50	0.12	
	The Helder ...	29.99	64	SE	1	t	29.89	-0.22	63	60	+1	SEW	2	0	3	70	61		
	Brussels (9 a.m.)	*	*	*	*	*	29.88	-0.18	59	58	-4	SW	5	0	*	66	55		
	Cape Gris Nez	29.98	61	SW	4	f	30.03	-0.12	61	60	+1	S	1	0	*	73	58	0.04	
	Paris ...	30.07	68	S	2	b	?	?	59	57	-2	NW	3	0	3	72	57		
	Brest ...	?	64	SW	2	c	?	?	59	57	-2	NW	3	0	3	72	57		
	Lorient ...	30.09	65	N	4	b	30.05	-0.08	62	57	0	NW	4	0	4	68	59	0.04	
FRANCE AND BELGIUM.	Rochefort ...	30.10	69	NW	4	bc	30.07	-0.08	66	64	0	SW	3	0	*	75	64		
	Belfort ...	30.08	64	N	3	m	30.04	-0.14	66	59	+2	N	3	0	*	77	56	0.20	
	Lyons ...	30.05	73	NNE	1	bc	30.09	-0.09	66	61	+2	N	1	0	*	79	62		
	Nice ...	29.97	74	SW	1	b	29.99	+0.01	73	63	+1	E	1	0	0	82	66		
	Perpignan ...	30.03	83	N	3	b	30.07	-0.07	75	55	+2	SW	1	0	*	88	63		
	Biarritz ...	30.16	72	N	3	c	30.14	-0.05	67	65	+1	S	1	0	2	79	66		
	Corunna ...	*	*	*	*	*	30.04	-0.03	69	64	-1	N	5	0	2	84	64		
	Lisbon ...	30.04	72	NW	6	b	30.04	-0.03	69	64	-1	N	5	0	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 Wednesday, 22nd July, 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 tails and feathers refer to force thus—

→ = forces above 10 → = forces 8 to 10

→ = forces 5 to 7 → = forces 1 to 4

→ = land wind.

SEA DISTURBANCE—Where considerable, is shown thus

→ = Rough, → = High.

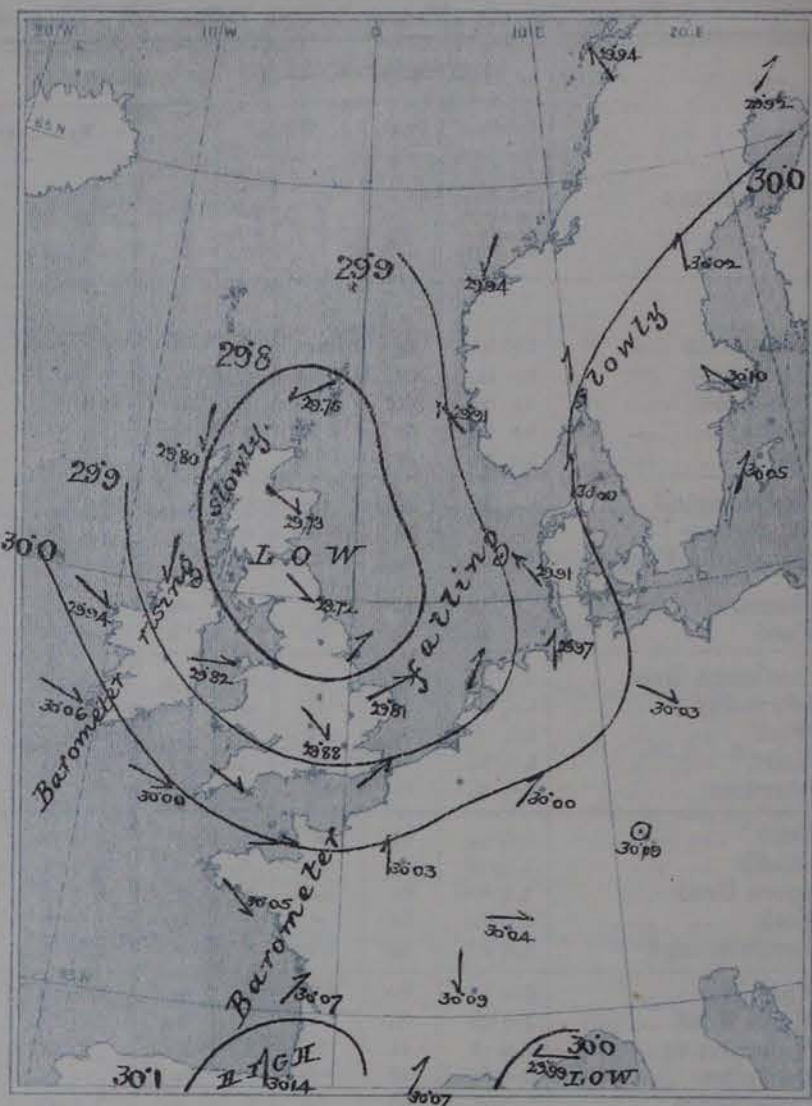
MEAN HEIGHT OF THE BAROMETER

8.0 mm for the month of July
During the 20 Years: 1871-1890.

STATIONS

MEAN READINGS

Sumburgh Head	29.784
Stornoway	29.705
Wick	29.806
Nairn	29.815
Aberdeen	29.829
Leith	29.841
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.924
Ardrossan	29.850
Mullaghmore	29.860
Dunaghadue	29.877
Holyhead	29.910
Liverpool	29.904
Parsonstown	29.912
Valencia	29.955
Rosbe's Point	29.942
Pembroke	29.936
Sally	29.971
Prawle Point	29.982
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.940
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER—Is shown by letters of the Beaufort Scale.

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

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

STATIONS.	TEMPERATURE				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet, at 8 a.m.	
Sumburgh Head	57.4	48.0	59.1	51.5	2.37
Stornoway	56.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.31
Nairn	64.3	50.9	56.7	53.3	2.50
Aberdeen	63.3	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.05
Spurn Head	65.1	55.2	59.5	56.8	1.71
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.1	57.0	2.34
Ardrossan	63.5	52.8	57.3	54.0	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Dunaghadue	64.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.10
Liverpool	65.9	51.2	59.4	55.0	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.94
Valencia	61.0	53.0	58.9	56.1	3.90
Rosbe's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Sally	61.4	59.2	60.2	58.1	2.46
Prawle Point	61.5	53.7	59.6	57.3	2.21
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.21
Dover	66.8	56.3	61.9	58.1	1.95
LONDON	72.4	54.6	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.0	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.0	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and more, in a small anticyclone lying over the southwest of France and northeast of Spain, and also in another system lying over the northern parts of the Baltic.
 Lowest, 29.8 in. and less, in a large shallow depression lying over Scotland and the north and northeast of England.
 Gradients slight. Barometer rising in Ireland and the west of Scotland, but falling elsewhere, — most on the shore of the North Sea.

TEMPERATURE

Highest, 75° at Perpignan, 73° at Nice, 72° at Stockholm and Malmö, 70° at Helsingfors, and 69° at Ålborg.
 Lowest, 55° at Shields, Holyhead, and Liverpool, and 56° at Seabrough, H. Nain, York, Malin, Donaghadee, and Pembroke.
 The highest maxima registered over our Islands yesterday were 71° at Spurn H. and in London, and 70° at Loughboro' and Cambridge.

WIND

Moderate to fresh from the NW^W in the west and north of our Islands and the northwest of France, and from the W^W over the eastern part of the Channel.
 Light from the SW^W over the Netherlands and east of England.
 S or SE^W over Scandinavia and Denmark; variable over the greater part of France.

WEATHER

Showery over Ireland and England, and foggy in the north of Scotland.
 Fine at most of the Continental stations, but rainy at Paris.
 Heavy rain fell yesterday over the north of our Islands, the largest amounts being 0.9 in. at Nain, and 0.7 in. at Donaghadee and Liverpool. Thunderstorms occurred in the north and east of England.

SEA

Slight or smooth generally, but rough at Pembroke, and rather rough at Cape Fin Rey.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over our Islands is apparently moving eastwards, but is at the same time spreading out in a southeasterly direction. Showery weather is likely to continue over Ireland and England, with thunderstorms in most districts.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

Light breezes, chiefly N^W; fair generally but perhaps local showers.

NW^W winds, light; changeable, some showers, thunder locally.

W^W winds, moderate or fresh; changeable, some showers, thunder locally.

DISTRICTS.

FORECASTS.

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

NW^W winds fresh; changeable, some showers, thunder locally.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	30.01	64	59	SS E	6	b	4		Holyhead ...	29.89	62	59	Sh	4	6
Sumburgh Head ...	29.81	59	58	S	1	bc	3		Valencia ...	29.97	60	55	W	4	0
Stornoway ...	29.76	61	58	SW	3	c	3		Scilly ...	30.02	64	60	WSW	4	c
Aberdeen ...	29.80	61	58	S	3	c	2		Jersey ...	30.07	63	61	W	3	c
Shields ...	29.81	60	59	WSW	2	cl	2		Dungeness ...	30.00	62	60	SW	4	g
Ardrossan ...	29.80	62	59	SSW	2	c	2		London ...	29.96	64	63	SSW	3	0
Mulin Head ...	29.79	61	56	WSW	2	c	1		Yarmouth ...	29.92	63	62	S	6	cl
Mullaghmore ...	29.85	62	56	WSW	3	bcv	2		Rochefort ...	30.13	71	68	W	3	0
Belmullet ...	29.82	56	56	WSW	2	cp	*								

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

Weather cloudy or overcast over the greater part of the United Kingdom with passing showers in many places. Fine at most of the Continental stations, but dull over the central part of France and Germany, with rain at Paris and Breslau. Heavy rain falling later over the north of our Islands and thunderstorms occurring in Holland and the north and east of England.

Temperature highest 84° at Palma, 82° at Barcelona, 81° at Brindisi and Ancona, and 78° at Palermo, above 75° at most of the Adriatic and Mediterranean stations, and a little above 70° in some parts of Ireland and the Baltic Provinces. Lowest 55° at Sumburgh H. 56° at Stornoway and Breslau, and 57° at Malin H.; below 60° at several of our own western and extreme northern stations, as well as in some parts of Germany and Austria. Subsequently rising to 70° or a little above at some of the English stations, to 75° or more over Western Germany and to 80° or more in the south of France, the highest reading of all being 88° at Perpignan.

Wind light from the West on the west coasts of our Islands and France, but S in the eastern parts of Great Britain, as well as in Scandinavia and Denmark. Light from NE on the southern shores of the Baltic and also at some of the Spanish stations, NW over Eastern Germany; somewhat variable, but chiefly N in Italy and Algeria. No important change occurring later, but wind veering to the N of W. on some parts of our western coasts.

Barometer highest, 30.1 in. and upwards, in a large anticyclone covering the greater part of France, Germany, the Baltic and the north of Spain, and extending southwards across the Mediterranean to Central Algeria, as well as in a smaller system lying over the north of Russia. Lowest 29.8 in. and less, in a depression lying over the north and west of Scotland. New disturbance beginning to form later over the northern parts of our Islands and barometer falling slightly over the entire 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 8 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, 23rd July, 1891.*
 Issued by the Meteorological Office, 63, Victoria Street, London. *R. H. SCOTT, Secretary.*

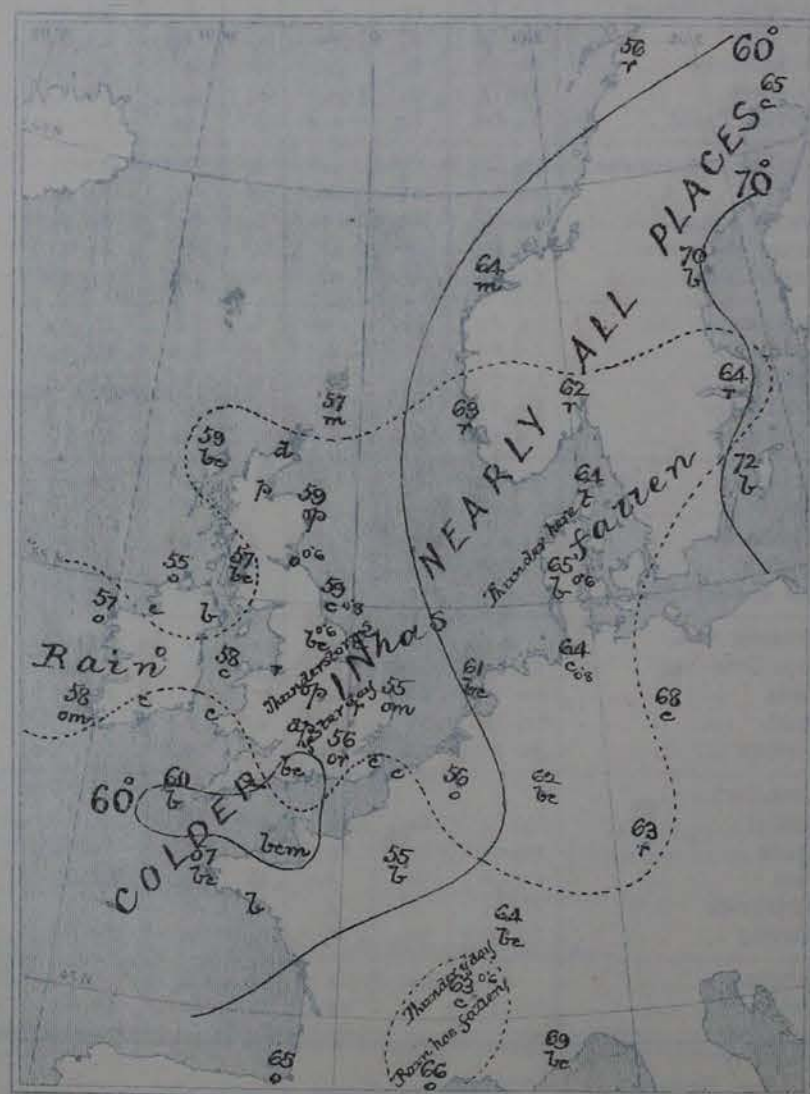
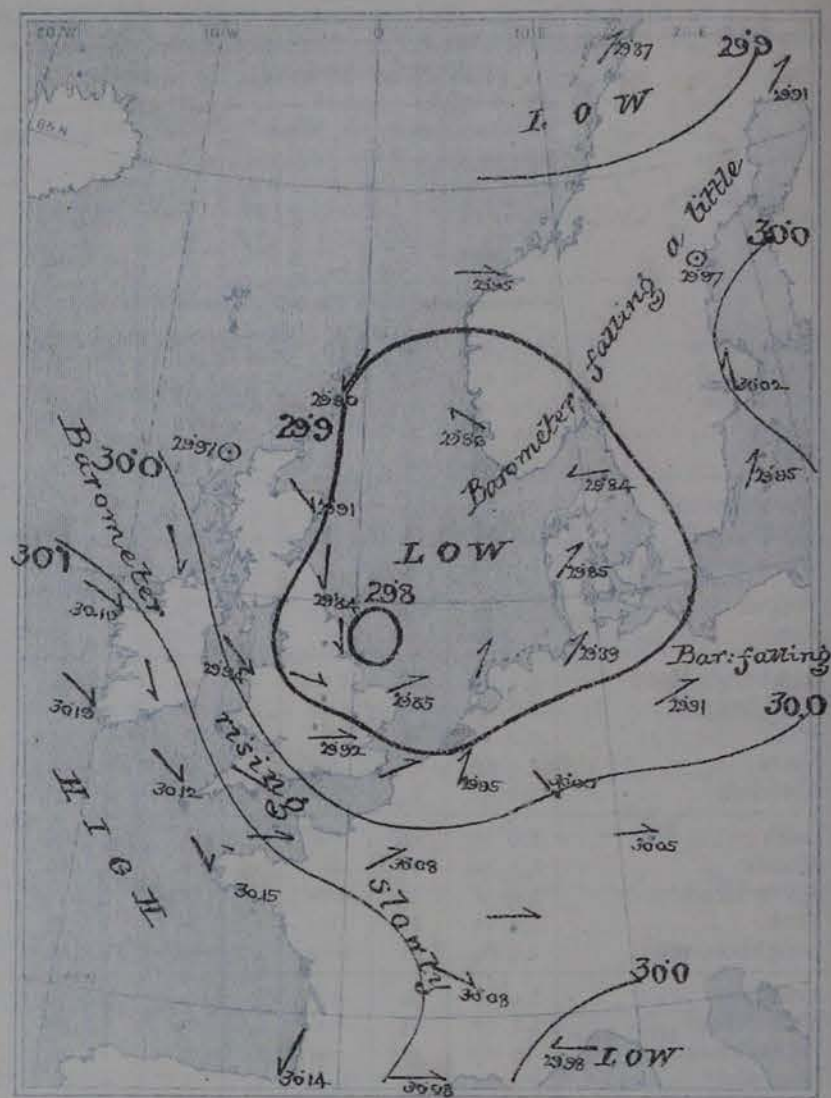
STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM. Reading at 32° F. and Sea Level.	TEMP. Dry.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 5.)	SHADE TEMP.		Amount of Rainfall.	
			Dirce.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.																		
Haparanda ...	29.91	63	S	2	c	29.91	-01	64	62	-1	SW	4	c	*	72	61	-	
Hernösand ...	30.00	65	S	2	b	29.97	-05	70	63	0	L	0	b	*	84	54	-	
Stockholm ...	30.04	67	L	0	b	30.02	-08	64	62	-6	S	2	r	*	79	59	0.08	
Wisby ...	30.00	67	SE	2	b	29.95	-10	72	67	0	SSW	4	b	*	79	59	-	
Bodö ...	29.92	60	SW	1	bc	29.87	-07	56	55	-9	SW	2	r	*	70	54	0.28	
Christiansund	29.96	62	NW	2	bc	29.95	+01	64	59	0	N	1	m	0	72	57	-	
Skudesnaes ...	29.88	63	SE	2	r	29.86	-05	63	61	0	ESE	2	r	3	69	57	-	
Christiania Fjord (Færder)	29.95	66	E	1	bc	29.90	-12	62	60	-6	NNE	2	r	1	72	63	-	
Skagen (The Scaw)	29.83	66	SSE	1	b	29.84	-16	64	63	-3	E	1	b	0	73	64	0.20	
Fanö ...	29.85	61	S	1	r	29.85	-06	65	61	0	SW	1	b	*	75	59	0.63	
Sumburgh Head	29.83	58	E NE	1	m	29.90	+15	57	57	+1	NE	1	m	2	62	54	-	
Stornoway ...	29.91	56	N	4	0	29.97	+17	59	57	+2	L	0	bc	2	60	46	0.01	
Wick ...	29.83	57	N	1	0	29.95	+23	54	54	-4	N	3	d	1	62	52	0.09	
Nairn ...	29.80	60	NW	1	r	29.95	+24	55	54	-1	N	1	p	1	61	53	0.11	
Aberdeen ...	29.77	59	NNE	3	og	29.91	+18	59	57	0	NW	2	op	1	64	57	0.02	
Leith ...	29.76	59	NW	2	r	29.92	+18	61	57	+1	NNE	2	0	*	67	56	0.56	
Shields ...	29.74	55	SW	2	r	29.84	+12	59	57	+4	N	4	c	3	61	52	0.77	
Spurn Head ...	29.78	59	WSW	3	bc p	29.79	+03	59	55	+2	N	4	c	3	64	55	0.17	
York ...	29.79	55	N	1	0	29.83	+07	58	56	+2	NNE	2	bc	*	63	52	0.60	
Loughborough	29.84	63	WSW	4	bc	29.86	+04	57	55	-2	NW	3	op	*	66	53	0.09	
BRITISH ISLANDS.																		
Ardrossan ...	29.80	61	NW	5	c	29.94	+17	57	55	-2	N	3	bc	2	64	54	-	
Malin Head ...	29.93	58	NW	4	op	30.03	+20	55	52	-1	NW	3	0	2	60	55	-	
Mullaghmore ...	30.01	58	NW	5	c	30.09	+21	58	53	+1	NW	5	c	3	64	54	-	
Belmullet ...	30.05	59	NW	2	0	30.10	+16	57	55	-1	NW	1	0	*	61	53	0.04	
Donaghadee ...	29.89	60	NW	4	c	30.01	+20	57	54	+1	NW	5	b	3	61	55	-	
Liverpool (Bidston)	29.85	57	N	5	0	29.91	+11	55	54	0	NW	5	r	4	62	55	0.08	
Holyhead ...	29.90	59	NW	2	og	29.94	+12	58	55	+3	NW	5	c	4	63	55	0.01	
Parsonstown ...	30.01	62	L	0	c	30.12	+20	57	53	0	L	0	0	*	65	51	0.02	
Valencia ...	30.13	61	NW	2	bc	30.19	+13	58	56	+2	NW	2	om	2	63	54	0.03	
Roche's Point...	30.03	62	NW	5	bc	30.14	+18	57	54	-1	NW	4	c	4	53	52	-	
Pembroke (St. Ann's Hd.)	29.96	57	N	4	c	30.07	+18	56	54	0	NW	4	c	4	59	55	-	
Soilly ...	30.07	60	NW	5	b	30.12	+12	60	55	+2	NW	4	b	4	63	55	-	
Prawle Point ...	30.02	60	NW	4	bc	30.02	+06	58	56	+1	NW	3	ew	2	63	54	-	
Jersey (St. Aubin's)	30.04	63	N	4	b	30.08	+08	62	59	+1	N	4	bc m	3	64	59	-	
Hurst Castle ...	29.93	62	NW	4	cp	29.95	+03	61	60	-2	NW	4	bc	3	66	55	0.09	
Dungeness ...	29.89	62	WSW	6	bc	29.92	+03	59	55	-1	N	4	c	3	65	54	-	
London ...	29.89	60	N	2	bc	29.92	+04	56	54	-5	N	1	OT	*	71	53	0.02	
Oxford ...	29.90	57	N	1	bc	29.93	+06	55	53	-4	WSW	3	dp	*	68	53	0.30	
Cambridge ...	29.87	65	SW	1	c	29.87	+02	56	54	-5	SW	2	r	*	69	53	0.09	
Yarmouth ...	29.83	66	SW	2	b	29.85	+04	55	54	-4	WSW	2	om	2	67	57	0.13	
GERMANY & HOLLAND.																		
Cuxhaven ...	29.89	63	SW	1	c	29.89	-08	64	62	0	SW	2	c	*	74	61	0.80	
Berlin ...	29.95	70	ESE	1	b	29.91	-12	68	65	+2	WSW	2	c	*	77	61	-	
Wiesbaden ...	*	*	*	*	*	30.00	00	62	56	-4	NW	3	bc	*	75	57	0.20	
Munich ...	30.05	68	SW	5	0	30.05	-04	63	60	-1	N	2	r	*	75	55	0.04	
The Helder ...	29.89	62	SW	1	b	29.87	-02	61	58	-2	SW	1	bc	2	66	54	-	
FRANCE AND BELGIUM.																		
Brussels (9 a.m.)	*	*	*	*	*	29.95	*	56	55	*	SW	3	0	*	68	51	0.04	
Cape Gris Nez	29.90	60	SW	5	c	29.92	+04	58	56	-1	WSW	4	0	4	66	55	-	
Paris ...	30.00	63	NW	2	b	30.08	+05	55	53	-6	WSW	2	b	*	71	49	-	
Brest ...	29.99	61	NW	3	c	?	?	57	55	-2	NW	3	bc	3	68	54	-	
Lorient ...	30.09	64	NW	5	c	30.15	+10	58	54	-4	NW	3	b	2	66	57	-	
FRANCE AND BELGIUM.																		
Rocheport ...	?	64	N	3	bc	?	?	64	59	-2	N	3	bc	*	77	55	-	
Belfort ...	?	64	N	3	bc	?	?	64	59	-2	N	3	bc	*	77	55	-	
Lyons ...	29.97	74	E	1	tblr	30.08	-01	63	61	-3	NW	1	c	*	83	59	0.55	
Nice ...	29.96	75	SW	2	b	29.98	-01	69	56	-4	E	1	bc	0	84	63	-	
Perpignan ...	30.03	75	L	0	0	30.08	+01	66	64	-9	N	2	0	*	84	65	0.04	
Biarritz ...	30.14	69	NE	4	bc	30.14	00	65	61	-2	NNE	3	0	2	75	64	-	
PENINSULA.																		
Corunna ...	*	*	*	*	*	30.00	-04	68	59	-1	N	5	b	3	84	64	-	
Lisbon ...	29.98	73	NW	6	b	30.00	-04	68	59	-1	N	5	b	3	84	64	-	

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

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

for 8 a.m. on Thursday, 23rd July, 1891.

4. ANALYSIS OF THE MODEL

 $\longleftrightarrow = \text{force 5 to 10 lb.} \quad \longleftrightarrow = \text{force 8 to 10 lb.}$ 

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards, in an anticyclone extending from the Atlantic over the Bay of Biscay, the west of France, the north of Spain and the southern half of Ireland; 30.0 in. and upwards, over the northern half of the Baltic.
 Lowest, 29.8 in. and less, in a small shallow depression lying over the east of England.
 Gradients slight. Barometer falling a little over Scandinavia, Denmark, and the Netherlands, but rising elsewhere.

TEMPERATURE

Highest, 72° at Nîmes, 70° at Harrogate, 69° at Nice, and 68° at Berlin and Riga.
 Lowest, 54° at Wick, and 55° at Kinn, Malin, L., Liverpool, Oxford, and Yarmouth.
 The highest maxima registered over our Islands yesterday were 71° in London, 69° at Cambridge, and 68° at Oxford.

WIND

Light or moderate from the Nth or over north and northeast coasts, and from the NWth in the western parts of our Islands and France.
 Light from W. or SW. over Germany, the Netherlands, the southeast of England, and the eastern and central parts of France.
 E^{ly} in the south of Norway; but S^{ly} or SW^{ly} in other parts of Scandinavia.

WEATHER

Cloudy or overcast in most parts of the United Kingdom, with passing showers in Scotland, and steady rain at many of the English stations.
 Rainy in the south of Scandinavia; thunder reported at Skagen; fair over the greater part of France and Germany.
 Thunderstorms occurred yesterday at several of the English and French stations, with heavy rain in places.
 A lunar halo was seen last night at Dover.

SEA

Moderate on our west and southwest coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any material change in the weather. The wind is inclined to back in the west of Ireland, and it is not improbable that further depression is advancing from the Atlantic.

FORECASTS

For the 24 hours ending at NOON on 24th July 1891.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

Nth winds, light, changeable, some showers.

Wth to NWth winds, light or moderate, changeable, some showers

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

NWth to Wth winds, moderate or fresh; fair generally but local showers.

WARNINGS

NONE ISSUED

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND				SEA		BAR:	THER:		WIND				SEA
		D.	W.	D.	F.	WEA.					D.	W.	D.	F.	WEA.		
Skudesnaes ...	29.84	69	61	SE	2	c	3			Holyhead ...	29.88	59	57	W	3	cq	2
Sumburgh Head ...	29.81	61	60	EHE	1	0	3			Valencia ...	30.11	61	56	NW	3	bcwqfp	4
Stornoway ...	29.87	57	56	H	4	0	4			Scilly ...	30.07	62	57	NW	5	b	3
Aberdeen ...	29.75	60	58	EHE	2	0	2			Jersey ...	30.04	63	59	W	4	bc	3
Shields ...	29.73	59	57	EHE	1	0	2			Dungeness ...	29.91	64	50	WSW	6	bc	4
Ardrossan ...	29.79	63	59	NW	5	c	3			London ...	29.87	68	59	WSW	3	c	3
Malin Head ...	29.92	59	55	NW	4	c	3			Yarmouth ...	29.83	65	58	W	3	c	2
Mullaghmore ...	29.97	62	59	NW	5	bcv	3			Rochefort ...	30.07	67	64	W	3	c	2
Belmullet ...	30.01	60	58	NW	2	0	*										

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

Weather showery over England and Ireland, and foggy in the north of Scotland. Fine at most of the Continental stations but rainy at Paris and also at Bucharest. Thunderstorms occurring during day in several parts of England and France, with heavy rain in places. Lunar halo seen at Bowle Point.

Temperature highest 83° at Barcelona and Palma, 82° at Lghotz, and 79° at Algiers; above 75° at many of the Adriatic and Mediterranean stations, and above 70° over Sweden, the Baltic and Central Ireland. Lowest, 55° at Shields, Holyhead and Liverpool, and 56° at Sumburgh Hd., Nain, York, Malin, Donaghadee and Rimbick; below 60° in many parts of the United Kingdom and also in some parts of Austria. Daily maxima over our Islands below 70° excepting in London, where the thermometer reached 71°. Exceeding 75° in Germany, and exceeding 80° in the south of France.

Wind light to fresh from the NW^W in the west and north of our Islands and the northwest of France, and from W. over the eastern part of the Channel. Light from the SW^W over the Netherlands and East of England; S^W or SE^W over Scandinavia, Denmark, Germany, and the Baltic. Variable over southern and eastern Europe, with Algeria and the Mediterranean. No important changes occurring later.

Barometer highest 30.1 in: and upwards in two anticyclones lying respectively over northern Russia and over the southwest of France and the greater part of Spain. Lowest 29.8 in: and less, in a large shallow depression lying over Scotland and the north of England. Depression subsequently moving slowly southwards and partially filling up, barometer rising in all parts of the United Kingdom, and new anticyclone beginning to appear off our extreme southwest coast.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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, 14th July, 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 4.)	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 ...	29.76	64	N	2	bc	29.79	- 12	62	54	- 2	NE	2	bc	*	72	57	-
	Hernösand ...	29.84	65	SSE	2	c	29.74	- 23	67	62	- 3	S	2	b	*	86	54	-
	Stockholm ...	29.90	67	S	2	b	29.84	- 18	72	67	+ 8	Z	0	c	*	79	61	0.20
	Wisby ...	29.90	67	SW	4	b	29.86	- 09	66	64	- 6	S	2	b	*	81	61	0.04
	Bodö ...	29.87	55	N	1	o	29.78	- 09	58	54	+ 2	NE	2	b	1	58	52	0.04
	Christiansund	29.80	64	NNE	3	b	29.66	- 29	62	59	- 2	WNW	1	f	1	70	59	0.08
	Skudesnaes ...	29.85	64	Z	0	o	29.80	- 06	62	57	- 1	SW	2	c	4	68	62	-
	Christiania Fjord (Færd)	29.92	58	SW	1	b	29.79	- 11	66	61	+ 4	WSW	5	b	3	68	62	0.04
	Skagen (The Scaw)	29.84	62	Z	0	c	29.85	+ 01	63	59	- 1	WNW	2	bc	1	73	59	1.97
	Fanö ...	29.92	58	Z	0	b	29.89	+ 04	64	60	- 1	SSW	1	c	*	68	54	-
BRITISH ISLANDS.	Sumburgh Head	29.86	54	WNW	1	b	29.68	- 22	54	53	- 3	N	3	c	3	61	49	0.06
	Stornoway ...	29.90	58	N	4	o	29.81	- 16	55	54	- 4	N	4	o	4	60	50	0.02
	Wick ...	29.93	57	N	1	o	29.78	- 17	56	53	+ 2	WNW	3	bc	2	61	50	0.10
	Nairn ...	29.89	63	N	1	c	29.83	- 12	55	52	0	N	2	bc	1	64	52	0.04
	Aberdeen ...	29.93	60	NW	2	bc	29.84	- 07	61	56	+ 2	NW	2	c	1	63	55	-
	Leith ...	29.92	64	NE	1	c	29.89	- 03	62	56	+ 1	N	2	bc	*	67	52	0.02
	Shields ...	29.93	61	WNW	3	b	29.91	+ 07	56	55	- 3	N	3	cp	2	64	50	-
	Spurn Head ...	29.90	61	N	5	b	29.96	+ 17	59	55	0	WNW	3	b	3	62	55	-
	York ...	29.92	65	WNW	2	b	29.97	+ 14	60	56	+ 2	N	3	c	*	66	50	-
	Loughborough	29.95	59	N	3	o	30.04	+ 18	59	56	+ 2	N	3	o	*	63	52	0.12
GERMANY & HOLLAND.	Ardrossan ...	29.97	60	WNW	3	c	29.95	+ 01	60	56	+ 3	N	3	c	2	65	54	-
	Malin Head ...	30.01	60	N	3	o	29.98	- 05	57	53	+ 2	WNW	4	o	3	61	54	0.03
	Mullaghmore ...	30.08	60	N	5	c	30.06	- 03	60	57	+ 2	WNW	5	c	3	62	55	0.03
	Belmullet ...	30.09	60	N	2	o	30.08	- 02	59	57	+ 2	WNW	3	o	*	63	56	0.04
	Donaghadee ...	30.03	58	NNE	2	c	30.03	+ 02	59	56	+ 2	NNE	3	c	1	62	57	0.01
	Liverpool (Bidston)	30.01	59	N	4	o	30.03	+ 12	57	54	+ 2	N	4	r	3	61	55	0.04
	Holyhead ...	30.04	58	WNW	2	b	30.05	+ 11	61	59	+ 3	N	3	cp	2	64	55	0.01
	Parsonstown ...	30.10	63	Z	0	c	30.11	- 01	61	59	+ 4	Z	0	o	*	65	50	0.02
	Valencia ...	30.19	61	NW	2	bc	30.21	+ 02	61	59	+ 3	WNW	3	om	3	66	57	0.06
	Roche's Point...	30.15	62	NW	3	c	30.16	+ 02	61	58	+ 4	WNW	2	c	2	65	55	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.09	57	NW	3	c	30.12	+ 05	56	56	0	NW	2	f	3	59	56	0.04
	Scilly ...	30.17	59	WNW	4	o	30.19	+ 07	61	58	+ 1	WNW	3	bc	4	63	55	-
	Prawle Point ...	30.11	60	NW	3	c	30.16	+ 14	59	58	+ 1	N	2	om	1	68	51	-
	Jersey (St. Aubin's)	30.12	63	N	3	bc	30.19	+ 11	62	59	0	WNW	4	bc	3	65	54	-
	Hurst Castle ...	30.02	65	WNW	6	c	30.13	+ 18	62	59	+ 1	WNW	2	bc	2	67	53	-
	Dungeness ...	29.95	62	NW	5	c	30.07	+ 15	59	56	0	NW	3	c	2	65	49	0.04
	London ...	29.97	59	N	2	c	30.06	+ 14	60	55	+ 4	WNW	2	bw	*	62	50	0.11
	Oxford ...	30.02	58	WNW	2	o	30.07	+ 14	60	55	+ 5	N	1	bc	*	61	49	-
	Cambridge ...	29.93	60	NW	1	o	30.05	+ 18	61	57	+ 5	WNW	1	b	*	64	51	0.39
	Yarmouth ...	29.82	61	N	2	c	29.96	+ 11	56	55	+ 1	WNW	2	om	2	61	51	0.20
PENINSULA.	Cuxhaven ...	29.93	63	Z	0	b	29.93	+ 04	64	62	0	SW	1	m	*	65	62	0.12
	Berlin ...	29.91	67	N	1	c	29.95	+ 04	65	62	- 3	WSW	1	c	*	77	57	-
	Wiesbaden ...	*	*	*	*	*	30.04	+ 04	60	57	- 2	SW	2	c	*	72	54	-
	Munich ...	30.11	54	SW	2	o	30.09	+ 04	55	55	- 5	Z	0	r	*	66	52	0.12
	The Helder ...	29.89	58	SSE	1	o	29.95	+ 08	60	57	- 1	NW	1	c	2	64	55	-
	Brussels (9 a.m.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cape Gris Nez	29.95	60	N	6	o	30.00	+ 08	57	55	- 1	N	3	m	4	61	55	0.04
	Paris ...	30.06	59	WSW	2	b	30.13	+ 05	57	55	+ 2	N	2	r	*	71	51	0.04
	Brest ...	?	63	NW	2	b	?	?	59	58	+ 2	NW	2	b	2	66	58	-
	Lorient ...	30.15	68	NW	3	bc	30.23	+ 08	59	55	+ 1	WNW	3	o	2	68	57	-
FRANCE AND BELGIUM.	Rocheport ...	30.13	65	WNW	4	b	30.19	?	60	56	- 3	WNW	3	o	*	73	55	-
	Belfort ...	30.07	66	N	3	bc	30.08	?	61	54	- 3	N	3	bc	*	71	50	-
	Lyons ...	30.06	66	N	1	c	30.14	+ 06	60	54	- 3	WNW	3	bc	*	71	54	-
	Nice ...	29.85	80	N	2	bc	29.88	- 10	69	62	- 0	Z	0	b	1	82	64	-
	Perpignan ...	30.07	69	NW	2	o	30.16	+ 08	66	57	0	NW	2	b	*	76	62	-
	Biarritz ...	30.19	67	N	4	c	30.23	+ 09	62	60	- 3	SSE	2	o	2	75	59	0.04
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PENINSULA.	Lisbon ...	29.97	73	N	6	b	30.04	+ 04	69	60	+ 1	NNE	3	b	3	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 Friday, 24th July, 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 the heads and feathers refer to force thus:
 ————— force above 10; ————— force 8 to 10;
 ————— force 5 to 7; ————— force 1 to 4.
SEA DISTURBANCE. Where considerable, is shown thus:
 ————— = Rough. ————— = High.

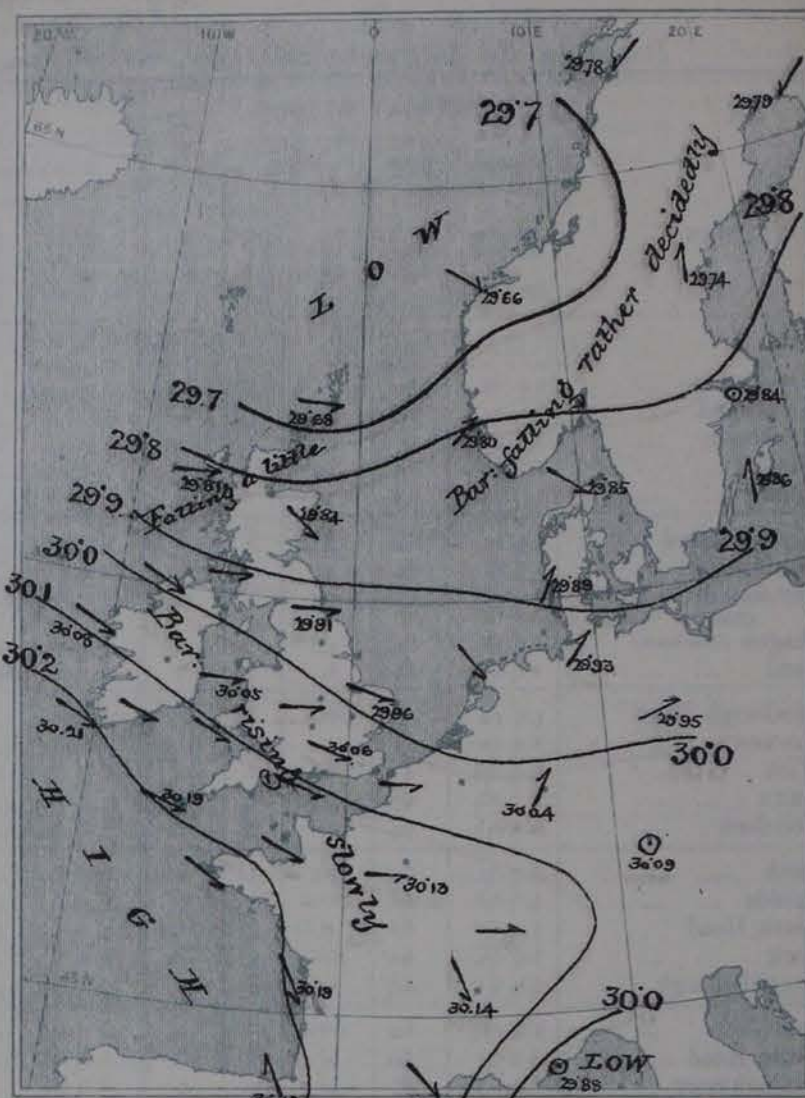
MEAN HEIGHT OF THE BAROMETER

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

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.754
Stornoway	29.795
Wick	29.800
Nairn	29.815
Aberdeen	29.820
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.936
Mullaghmore	29.969
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.933
Roche's Point	29.932
Pembroke	29.930
Silly	29.971
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.958
Dover	29.957
LONDON	29.957
Oxford	29.940
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

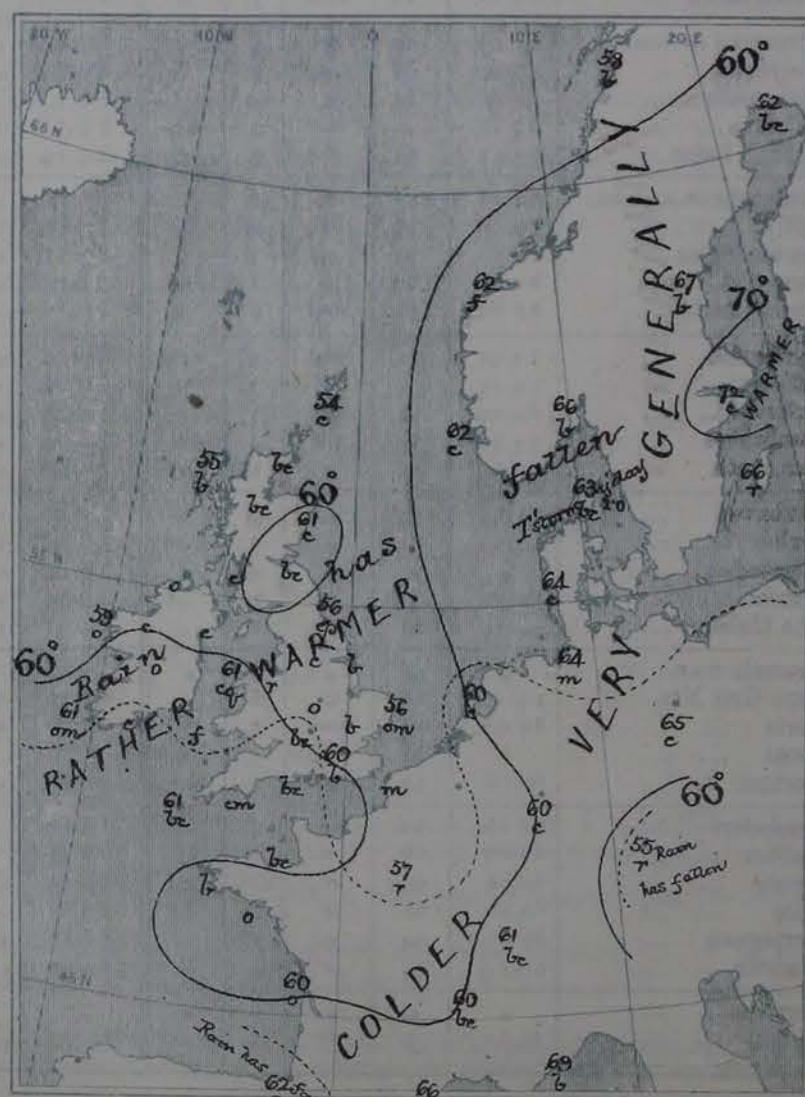
RAINFALL. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway.....	60.2	48.9	55.5	53.6	3.02
Wick.....	61.8	48.7	55.8	53.5	2.51
Nairn.....	61.3	50.0	56.7	51.3	2.50
Aberdeen.....	62.2	50.6	57.5	51.9	2.78
Leith.....	64.7	51.2	58.4	54.9	2.85
Shields.....	64.1	52.2	58.3	55.0	2.06
Spurn Head.....	65.1	55.2	59.6	56.3	1.74
York.....	68.7	51.9	59.2	55.9	2.70
Loughborough.....	71.5	52.6	61.1	57.6	2.34
Ardrossan.....	63.5	52.8	57.3	54.6	2.91
Mullaghmore.....	62.0	54.0	57.2	54.4	3.72
Donaghadee.....	63.2	51.8	57.4	55.5	2.82
Holyhead.....	63.8	54.3	58.1	55.8	2.10
Liverpool.....	65.9	54.2	59.4	56.6	2.93
Parsonstown.....	66.4	51.6	58.1	54.8	2.96
Valencia.....	64.0	53.6	58.9	56.1	3.50
Roche's Point.....	66.1	53.2	58.8	57.3	3.29
Pembroke.....	62.5	51.8	58.0	56.0	2.54
Silly.....	64.4	55.2	59.2	58.1	2.46
Prawle Point.....	64.5	53.7	59.6	57.3	2.21
Jersey.....	68.3	55.2	62.0	58.9	2.10
Hurst Castle.....	67.8	55.5	61.1	58.8	2.24
Dover.....	66.8	56.3	61.9	58.1	1.93
LONDON.....	72.4	54.0	62.0	57.8	2.58
Oxford.....	69.6	53.4	60.9	56.6	2.58
Cambridge.....	71.0	52.2	61.3	57.7	2.42
Yarmouth.....	66.6	51.9	60.9	57.8	2.86

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins: and upwards, in an anticyclone extending from the Atlantic over the Bay of Biscay, the northwest of France and the extreme southwest of Ireland.

Lowest, 29.7 ins: and less, in a large shallow depression lying off the west of Norway; 29.9 ins: and less, in another disturbance lying over the Gulf of Genoa.

Gradients slight. Barometer falling rather decidedly in Scandinavia and slightly over the northern part of our Islands, but rising elsewhere.

TEMPERATURE

Highest, 72° at Stockholm, 69° at Riee and Fiesow, 67° at Helsingfors and 66° at Nisby, Faeder, and Røfignen.

Lowest, 54° at Seemburgh H., 55° at Stornoway, Aarni and Munich, and 56° at Wick, Shields, Pembroke, and Yarmouth.

The highest maxima registered over our Islands yesterday were 68° at Poul Point and 67° at Lath; in London the thermometer did not exceed 62°.

WIND

Light or moderate from the West or N.W. over our Islands and France.

SW over Denmark, Germany, and the south of Scandinavia.

Light from the NE in the north of Scandinavia.

WEATHER

Fair or fine over the greater part of Western Europe, but dull at some of our western stations, with fog at Limerick and rain at Liverpool. Rain was also falling at Paris and Munich.

Shower fell yesterday in many parts of our area, and a thunderstorm with heavy rain (2.0 ins) occurred at Skagen.

SEA

Slight or smooth on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large depression off the west of Norway may possibly spread southeastwards, and showery weather is therefore likely to continue on our north and northeast coasts. Over the southern part of the Kingdom some improvement in the weather is probable.

FORECASTS

For the 24 hours ending at NOON on 25th JULY 1891.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

1 SCOTLAND
EAST

2 ENGLAND
N.E.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

5 ENGLAND
SOUTH

W³ and NW³ winds, light; fair generally but local showers.

W³ and NW³ winds, light; fair generally

6 SCOTLAND
WEST

7 ENGLAND
N.W.

8 ENGLAND
S.W.

9 IRELAND
NORTH

10 IRELAND
SOUTH

WARNINGS

Same as No 0 to 2.

Same as No 3 to 5.

W³ and NW³ winds, moderate or fresh, cloudy, some showers.

Same as No 3 to 5.

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 ...	29.86	60	61	S	2	C	3		Holyhead ...	30.06	60	56	W	3	3
Sumburgh Head ...	29.89	59	59	2	0	0	2		Valencia ...	30.21	63	59	W	2	2
Stornoway ...	29.95	60	57	SW	3	C	3		Scilly ...	30.17	62	58	W	4	4
Aberdeen ...	29.95	59	57	NW	3	0	2		Jersey ...	30.12	64	59	W	4	3
Shields ...	29.91	63	60	NW	4	0	3		Dungeness ...	29.95	59	57	NW	5	3
Ardrossan ...	29.97	64	59	NW	4	0	2		London ...	29.95	62	58	NW	3	2
Malin Head ...	30.05	61	55	NW	3	0	2		Yarmouth ...	29.82	61	57	W	1	1
Mullaghmore ...	30.11	58	56	W	4	0	2		Rochefort ...	30.14	70	61	NW	4	2
Belmullet ...	30.12	60	60	W	2	0	*								

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

Weather in morning fine and bright over France and the Bay of Biscay, as well as over Russia, southeastern Europe, and some parts of Sweden. Cloudy, more or less, and unsettled elsewhere, with rain over many parts of Great Britain and the North Sea and at Bonn, Copenhagen, and Stockholm. Some rain later in many parts of the British Islands and Scandinavia, and a large amount at the Scaw, where thunder and lightning occurred during the day.

Temperatures very low for time of year over western and northwestern Europe, but not in the northeast, east, and south. Morning readings exceeding 70° at the Mediterranean stations, in many parts of Russia, and on the shores of the Black Sea, much lower elsewhere. Below 60° over the United Kingdom, and as low as 52° at Banarmon, 53° at Le Mans, 54° at Wiesl, and 55° at Naim, Malin, Liverpool, Oxford, Yarmouth and Paris. Not touching 70° at any of our own stations later, but exceeding that value in many parts of Germany and France, and touching 82° at Nice.

Wind moderate from between W. and N. over the United Kingdom, NW to W over France and north Germany, S to SE over the Baltic and south of Scandinavia. Very variable elsewhere and of very little strength. Backing to W at our northern stations later.

Barometer highest (1) 30.3 in. to 30.0 in. over Russia generally (highest of all near Moscow); 30.1 in. and more over the Bay of Biscay, the western parts of the United Kingdom, France, and the north of Spain. Lowest 29.8 in. to 29.9 in. over the North Sea and northeast of England; and rather below 29.9 in. over Germany and neighbouring parts of Atlantic; rather below 30.0 in. over the Riviera and northern extremity of the Adriatic. Beginning to fall a little on our northern coasts later, but rising slightly 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).

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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 *Saturday, 25th July, 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 ...	29.67	62	Z	0	c	29.51	- 28	61	61	- 1	S	2	r	*	72	55	0. 04	
	Hernösand ...	29.57	64	SS E	6	c	29.50	- 24	63	58	- 4	S	6	b	*	82	61	-	
	Stockholm ...	29.73	64	S	2	o	29.67	- 17	67	60	- 5	SW	2	c	*	79	61	-	
	Wisby ...	29.81	65	SSW	4	c	29.75	- 11	67	63	+ 1	SSW	4	c	*	73	63	0. 16	
	Bodö ...	29.90	64	Z	0	b	29.43	- 35	58	55	0	SW	2	o	1	64	54	0. 08	
	Christiansund	29.62	54	W	4	r	29.52	- 14	56	52	- 6	ESE	3	bc	2	?	54	0. 84	
	Skudesnaes ...	29.74	57	WNW	6	c	29.64	- 16	55	52	- 7	WNW	8	r	5	?	57	? 2. 36	
	Christiania Fjord (Fæder)	29.66	65	WSW	6	m	29.60	- 19	61	56	- 5	WSW	5	b	4	66	59	-	
	Skagen (The Scaw)	29.76	59	WNW	3	b	29.68	- 17	60	55	- 3	WNW	4	bc	3	68	55	-	
	Fanö ...	29.86	61	WSW	4	c	29.84	- 05	62	57	- 2	WNW	4	c	*	68	55	-	
BRITISH ISLANDS.	Sumburgh Head	29.56	54	W	4	o	29.73	+ 05	54	53	0	W	4	b	4	57	49	0. 04	
	Stornoway ...	29.87	55	NW	3	o	29.96	+ 15	56	55	+ 1	W	3	o	3	59	52	0. 01	
	Wick ...	29.84	53	NW	5	o	29.88	+ 10	54	53	- 2	WNW	6	o	3	59	50	0. 05	
	Nairn ...	29.84	58	W	4	c	29.94	+ 11	58	56	+ 3	W	4	bc	2	62	53	-	
	Aberdeen ...	29.87	61	W	3	c	29.94	+ 10	57	51	- 4	WNW	4	cq	3	67	55	-	
	Leith ...	29.93	62	W	4	bc	30.01	+ 12	61	54	- 1	WSW	2	bc	*	67	51	-	
	Shields ...	29.91	64	WNW	4	c	30.01	+ 10	59	53	+ 3	WNW	4	c	2	68	49	-	
	Spurn Head ...	29.94	63	WSW	6	b	30.05	+ 09	58	53	- 1	W	4	bc	3	69	53	-	
	York ...	29.98	65	W	4	c	30.07	+ 10	59	53	- 1	WNW	2	b	*	70	48	-	
	Loughborough*	30.05	64	W	5	b	30.13	+ 09	57	54	- 2	W	4	ow	*	70	52	-	
GERMANY & HOLLAND.	Ardrossan ...	30.00	59	WNW	3	o	30.07	+ 12	58	55	- 2	W	3	o	2	63	54	-	
	Malin Head ...	30.04	57	WNW	5	og	30.10	+ 12	57	56	0	NW	4	o	3	61	55	-	
	Mullaghmore ...	30.12	60	W	5	c	30.18	+ 12	58	56	- 2	W	5	c	3	63	55	-	
	Belmullet ...	30.13	60	W	3	o	30.19	+ 11	58	55	- 1	WNW	2	o	*	66	55	-	
	Donaghadee ...	30.06	61	NNE	4	bc	30.14	+ 11	58	55	- 1	W	2	c	0	69	57	-	
	Liverpool (Bidston)	30.05	63	W	4	b	30.13	+ 10	57	53	0	WNW	5	o	4	64	55	0. 02	
	Holyhead ...	30.08	62	WSW	1	b	30.17	+ 12	59	57	- 2	WNW	2	c	2	68	54	-	
	Parsonstown ...	30.15	64	SW	1	c	30.22	+ 11	59	56	- 2	SW	1	o	*	64	56	-	
	Valencia ...	30.24	63	NW	2	bcm	30.28	+ 07	59	56	- 2	WNW	1	og	1	65	56	-	
	Roche's Point...	30.19	64	WNW	3	b	30.24	+ 08	59	55	- 2	WNW	3	bc	3	68	55	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.14	59	WNW	3	c	30.22	+ 10	57	56	+ 1	NW	2	c	2	60	55	-	
	Scilly ...	30.25	61	W	4	c	30.25	+ 06	59	58	- 2	WNW	3	o	4	65	57	-	
	Prawle Point ...	30.17	60	W	3	o	30.22	+ 06	60	59	+ 1	W	2	bcm	1	63	55	-	
	Jersey (St. Aubin's)	30.22	63	W	4	ogm	30.24	+ 05	59	58	- 3	W	4	ogm	3	65	57	-	
	Hurst Castle ...	30.12	66	W	3	bc	30.18	+ 05	64	62	+ 2	WNW	2	c	1	67	61	-	
	Dungeness ...	30.06	62	W	5	c	30.12	+ 05	65	62	+ 6	N	3	c	2	69	51	-	
	London ...	30.06	68	WNW	2	bc	30.14	+ 08	62	57	+ 2	NW	2	c	*	69	52	-	
	Oxford ...	30.09	62	W	1	b	30.15	+ 08	60	55	0	WNW	3	bc	*	66	53	-	
	Cambridge ...	30.07	65	NW	1	o	30.13	+ 08	58	56	- 3	NW	1	o	*	69	51	-	
	Yarmouth ...	29.96	65	W	3	bc	30.05	+ 09	57	52	+ 1	NW	3	o	2	67	51	-	
PENIN- SULA.	Cuxhaven ...	29.96	61	W	1	c	29.94	+ 01	62	61	- 2	WSW	2	o	*	67	61	-	
	Berlin ...	29.96	67	W	1	c	30.00	+ 05	60	59	- 5	WNW	4	o	*	73	57	-	
	Wiesbaden ...	*	*	*	*	*	30.13	+ 09	63	58	+ 3	NW	4	bc	*	72	54	0. 04	
	Munich ...	30.17	54	SW	2	o	30.23	+ 14	55	53	0	W	4	b	*	59	48	0. 32	
	The Helder ...	30.01	61	SW	2	c	30.02	+ 07	60	57	0	WNW	2	bc	3	63	59	-	
	Brussels (9 a.m.)	*	*	*	*	*	30.11		62	58		SW	3	o	*	68	56	-	
	Cape Gris Nez	30.01	59	W	5	o	30.10	+ 10	59	57	+ 2	W	4	c	3	64	55	-	
	Paris ...	30.14	66	W	3	b	30.21	+ 08	59	57	+ 2	SW	2	o	*	69	57	-	
	Brest ...	?	65	NW	2	b	?	?	59	58	0	WNW	2	c	2	72	55	-	
	Lorient ...	30.26	64	W	5	bc	30.28	+ 05	59	57	0	ESE	1	o	2	68	57	-	
PENIN- SULA.	Rochefort ...	30.25	65	WNW	4	b	30.26	+ 07	64	62	+ 4	NW	3	c	2	70	60	-	
	Belfort ...	30.20	61	W	3	bc	?	?	59	54	- 2	W	2	bc	*	72	55	-	
	Lyons ...	30.19	65	N	3	b	30.27	+ 13	60	54	0	N	2	b	*	70	53	-	
	Nice ...	29.93	70	ESE	2	t	29.94	+ 06	69	63	0	N	2	b	2	82	63	-	
	Perpignan ...	30.14	73	NW	4	m	30.21	+ 05	68	58	+ 2	NW	2	b	*	77	59	-	
	Biarritz ...	30.29	70	N	3	b	30.27	+ 04	62	57	0	ESE	3	b	?	75	57	-	
	Corunna ...	*	*	*	*	*												-	
Lisbon ...	30.03	80	WNW	4	b	30.10	+ 06	71	62	+ 2	S	2	b	2	90	66	-		

WEATHER CHARTS

for 8 a.m. on Saturday, 25th July, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER. Isotherms 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 the number and feathers refer to force thus:
 ————— forces 8 to 10;
 ———— forces 5 to 7;
 ———— forces 1 to 4;
 ———— dead calm.

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

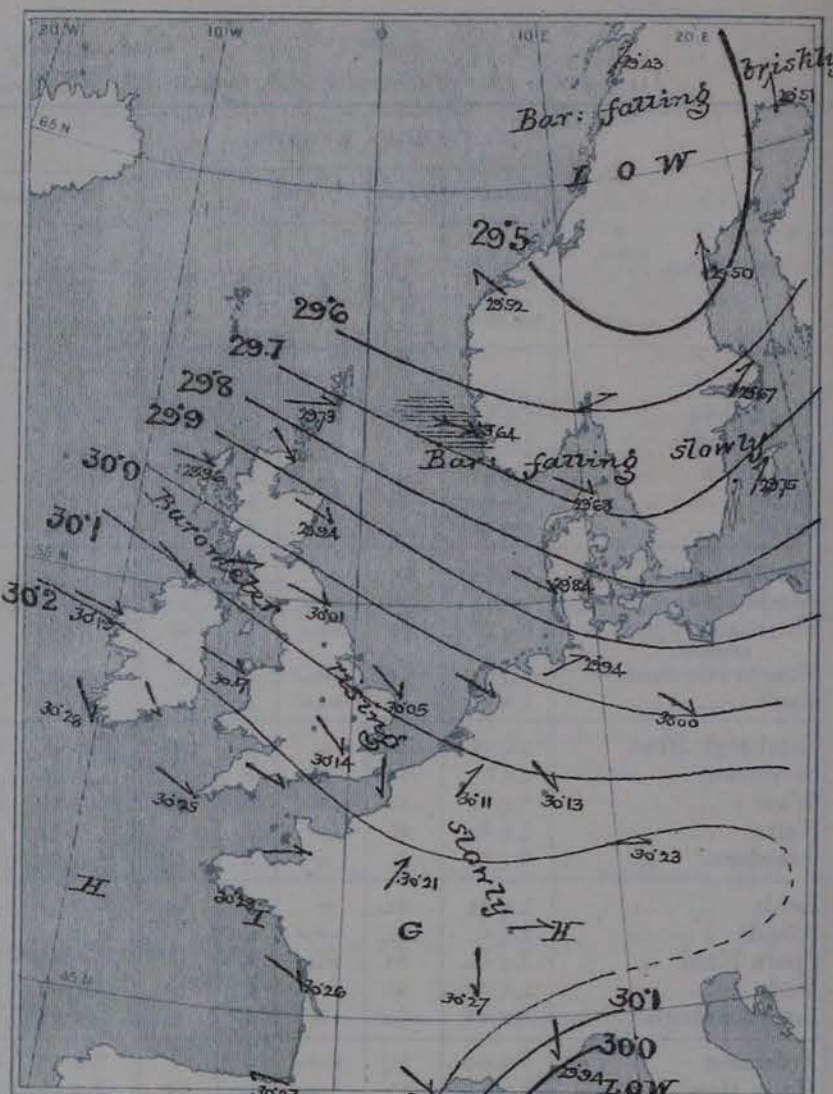
MEAN HEIGHT OF THE BAROMETER

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

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.807
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.863
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.971
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.945
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

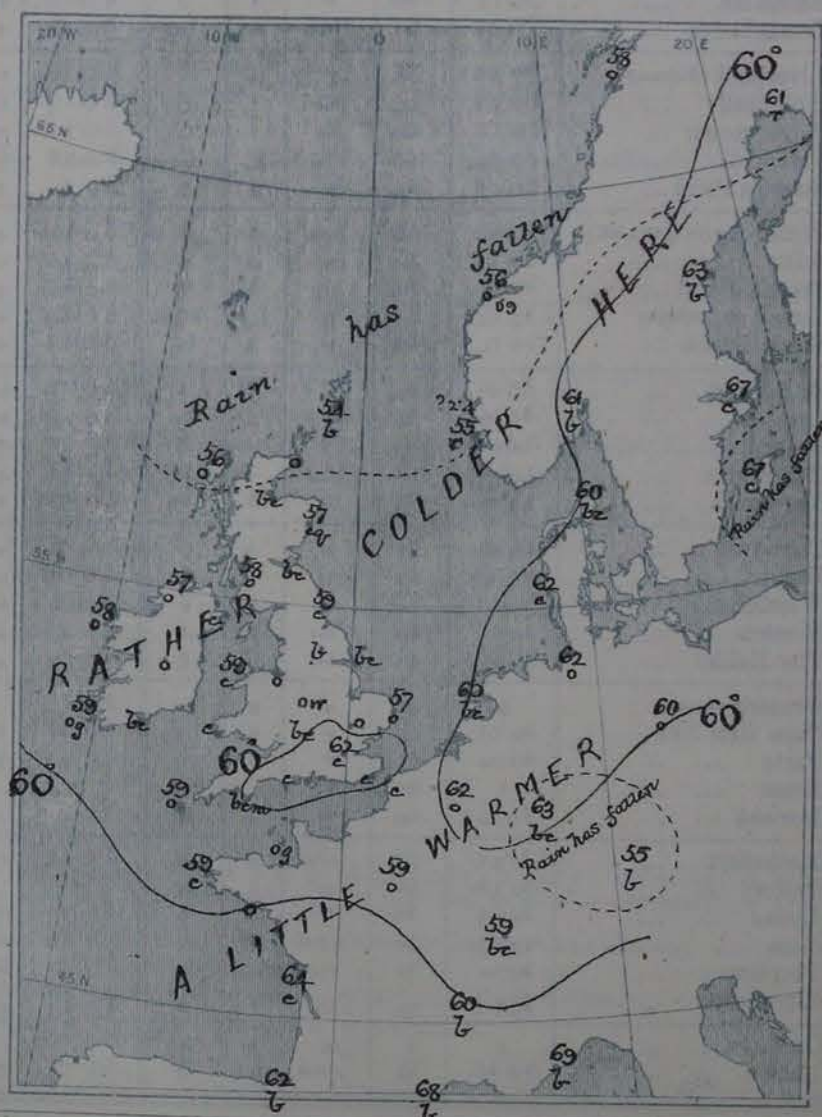
RAINFALL. A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.0	55.5	53.0	3.02
Wick.....	61.8	48.7	55.8	53.5	2.31
Nairn.....	61.3	50.9	56.7	58.3	2.59
Aberdeen.....	63.9	50.6	57.5	58.9	2.78
Leith.....	66.7	61.2	58.4	54.9	2.85
Shields.....	64.1	52.2	58.3	55.0	2.66
Spurn Head.....	65.1	55.2	59.5	56.8	1.71
York.....	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.81
Ardrossan.....	63.5	52.8	57.3	54.6	2.91
Mullaghmore.....	62.9	51.0	57.2	54.4	3.72
Donaghadee.....	63.2	61.8	57.4	55.5	2.82
Holyhead.....	63.8	54.3	58.1	55.8	2.40
Liverpool.....	65.9	54.2	59.4	55.6	2.36
Parsonstown.....	66.4	51.5	58.1	54.8	2.90
Valencia.....	64.0	53.6	58.9	56.1	3.90
Roche's Point.....	66.1	53.2	58.8	55.9	3.29
Pembroke.....	62.5	54.8	58.0	56.0	2.54
Scilly.....	64.4	50.2	60.2	58.1	2.46
Prawle Point.....	64.5	53.7	59.6	57.3	2.24
Jersey.....	68.3	56.2	62.0	58.9	2.40
Hurst Castle.....	67.8	55.5	61.1	58.8	2.24
Dover.....	66.8	56.3	61.9	58.1	1.95
LONDON.....	72.1	54.0	62.0	57.8	2.38
Oxford.....	69.6	53.4	60.0	56.6	2.58
Cambridge.....	71.9	52.2	61.3	57.7	2.42
Yarmouth.....	68.6	54.9	60.9	57.8	2.86

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins. and upwards, in an anticyclone lying over the Bay of Biscay, the south-west of our Islands and the greater part of France.
Lowest, 29.5 ins. and less, in a large depression lying over the northern parts of Scandinavia.

Gradients slight generally. Barometer falling in Scandinavia and Denmark -- briskly in the far north -- but rising elsewhere.

TEMPERATURE

Highest, 71° at Lisbon, 63° at Nice, 68° at Perpignan, 67° at Stockholm and Wisby, and 64° at Rochefort.

Lowest, 54° at Seaburgh Hd. and Kiel, 55° at Skudenes, 56° at Christiansund and Storöy, and 57° at Aberdeen, Malin Hd., Liverpool, Bournemouth, Loughborough and Yarmouth.

The highest maxima registered over our Islands yesterday were 70° at York and Loughborough, and 69° at Spinn. Theaghader, Dungeness, Cambridge and in London.

WIND

Light or moderate from the W² or NW² over the United Kingdom, the North Sea, Denmark and Germany; strong to a gale from WNW at Skudenes.

Variable in the west of France; N¹ in the south of that country.

SW¹ or S¹ in Sweden and the north of Norway.

WEATHER

Fair or fine over the greater part of Western Europe, but dull in the extreme west and north of our Islands, as well as in the north of Scandinavia, with rain at Haparanda and Skudenes.

Showers have fallen in the extreme north of Scotland, and heavy rain in Norway.

SEA

Moderate to smooth generally, but rather rough at Skudenes.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

For the 24 hours ending at NOON on 26th July 1891.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

1 SCOTLAND
EAST

2 ENGLAND
N.E.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

5 ENGLAND
SOUTH

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

W² and NW² winds, light; fair generally

6 SCOTLAND
WEST

7 ENGLAND
N.W.

8 ENGLAND
S.W.

9 IRELAND
NORTH

10 IRELAND
SOUTH

WARNINGS


Same as N^o 3 to 5.


NW² winds, light; fine generally

Same as N^o 0 to 2

Same as N^o 8

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 ...	29.75	61	57	WSW	2	r	3	Holyhead ...	30.07	64	59	WSW	2	c	2
Sumburgh Head ...	29.66	56	54	w	3	o	3	Valencia ...	30.25	64	61	NW	3	c	3
Stornoway ...	29.64	58	56	NW	4	o	4	Scilly ...	30.22	64	60	w	4	c	4
Aberdeen ...	29.85	61	54	E	2	e	1	Jersey ...	30.22	63	58	w	4	c	3
Shields ...	29.90	66	63	NW	3	e	2	Dungeness ...	30.06	64	60	WSW	6	c	5
Ardrossan ...	29.97	61	56	WNW	3	o	2	London ...	30.06	67	61	WSW	2	o	*
Mulin Head ...	30.02	59	54	w	4	c	3	Yarmouth ...	29.98	67	60	NW	3	c	2
Mullaghmore ...	30.10	63	58	WNW	5	e	4	Rocheport ...	30.13	63	60	WNW	4	c	*
Belmullet ...	30.11	63	60	w	2	c	*								

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

Weather in morning fine and bright over Russia, southeastern and southwestern Europe, and on the southern shore of the Mediterranean, less fair elsewhere, cloudy or overcast at many stations, and rainy in some parts of the British Islands and France. Heavy rain later in the west of Norway, and some showers in other part of Scandinavia and Germany, thunder at Nice.

Temperature still low for the time of year except over Finland. Morning readings, exceeding 80° at Algiers, La Calle, and Brindisi, exceeding 70° at most Mediterranean stations, at Constantinople, and in some parts of northern Europe, below 60° on many of our coasts, and lowest of all 54° at Sumburgh Head, 55° at Stornoway and Naun, 56° at Shields and Yarmouth, 57° at Laris. Touching 70° over our midland counties later, exceeding that value over Germany, the southern part of France, and reaching 82° at Nice and 90° at Lisbon.

Wind light to moderate generally; NW to W over the British Islands and Bay of Biscay, NE over Spain, W to S over Germany, Scandinavia and the Baltic, very variable elsewhere.

Barometer highest 30.2 ins. and more to 30.0 ins. over Russia and southeastern Europe as well as over the Bay of Biscay, Spain, France, and the southwestern part of the British Islands. Lowest, 29.7 ins. and less, in a shallow depression off the west of Norway; below 30.0 ins. over North Germany and the Baltic provinces, and below 29.9 ins. in a small disturbance over the Gulf of Genoa. Rising slowly over the British Islands and Western Europe later, falling over the Baltic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for Sunday 26th July 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 ...	29.34	60	SW	2	0	29.26	- .25	61	59	0	SW	2	0	*	68	59	0.24	
	Hernösand ...	29.39	61	S	2	c	29.37	- .13	60	55	- 3	NW	6	c	*	73	59	-	
	Stockholm ...	29.50	58	SW	2	r	29.40	- .27	57	54	- 10	WNW	4	r	*	72	55	0.12	
	Wisby ...	29.60	63	SW	8	c	29.52	- .23	60	56	- 7	W	8	c	*	70	61	0.16	
	Bodö ...	29.45	55	W	2	0	29.41	- .02	54	53	- 4	SW	2	0	1	59	52	-	
	Christiansund	29.65	56	WNW	3	c	29.63	+ .11	53	51	- 3	WSW	5	r	2	59	?	0.12	
	Skudesnaes ...	29.77	55	WNW	6	r	29.78	+ .14	57	55	+ 2	W	4	0	4	59	55	1.97	
	Christiania Fjord (Fæder)	29.54	62	W	4	b	29.64	+ .04	61	52	0	NW	2	b	2	64	59	0.24	
	Skagen (The Seaw)	29.55	60	WNW	7	b	29.68	+ .00	61	61	+ 1	NW	3	b	2	63	54	0.24	
	Fanö ...	29.87	57	NW	6	c	29.89	+ .05	61	57	- 1	WNW	6	c	*	64	55	0.08	
BRITISH ISLANDS.	Sumburgh Head	29.85	53	W	3	0	29.74	+ .01	52	52	- 2	W	3	r	4	57	50	0.03	
	Stornoway ...	30.01	50	W	4	r	29.91	- .05	57	56	+ 1	W	4	bc	4	59	50	0.01	
	Wick ...	29.99	58	NW	4	0	29.88	- .00	57	54	+ 3	NW	5	0	4	59	51	0.02	
	Nairn ...	30.02	60	W	2	bc	29.91	- .03	58	55	0	W	3	c	2	65	53	-	
	Aberdeen ...	30.01	60	SE	2	c	29.94	- .00	63	54	+ 6	WSW	3	bc	1	68	54	-	
	Leith ...	30.05	64	WSW	4	b	30.00	- .01	63	57	+ 2	W	4	bc	*	69	53	-	
	Shields ...	30.03	68	NNW	4	b	30.01	- .00	62	56	+ 3	WNW	4	b	2	69	52	-	
	Spurn Head ...	30.05	65	WSW	3	b	30.05	- .00	60	56	+ 2	W	2	b	2	65	54	-	
	York ...	30.11	66	W	1	b	30.06	- .01	63	58	+ 4	W	2	b	*	68	49	-	
	Loughborough	30.15	61	W	3	c	30.10	- .03	60	56	+ 3	WNW	3	cur	*	65	50	-	
GERMANY & HOLLAND.	Ardrossan ...	30.12	58	W	3	0	30.05	- .02	58	56	0	Z	0	0	0	62	55	-	
	Malin Head ...	30.14	57	W	3	opg	30.07	- .03	58	57	+ 1	WSW	3	0	2	61	55	-	
	Mullaghmore ...	30.20	59	WSW	3	0	30.12	- .06	58	57	0	SW	4	opm	3	61	55	0.03	
	Belmullet ...	30.20	60	W	2	om	30.12	- .07	59	58	+ 1	WSW	2	0	*	63	57	0.02	
	Donaghadee ...	30.17	57	NE	2	c	30.09	- .05	60	58	+ 2	W	2	c	0	62	57	-	
	Liverpool (Bidston)	30.17	59	W	3	0	30.10	- .03	58	56	+ 1	W	2	0	3	63	56	-	
	Holyhead ...	30.19	60	WSW	2	c	30.12	- .05	58	57	- 1	WNW	1	ogw	1	66	54	-	
	Parsonstown ...	30.20	65	Z	0	c	30.13	- .09	59	58	0	Z	0	0	*	68	56	-	
	Valencia ...	30.23	62	NW	3	bc	30.12	- .16	61	57	+ 2	SE	1	og	1	64	55	-	
	Roche's Point...	30.24	62	SW	2	b	30.18	- .06	58	55	- 1	NNW	1	0	2	66	52	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.22	58	NW	2	bc	30.13	- .09	59	57	+ 2	S	1	bc	0	61	56	-	
	Scilly ...	30.22	62	NNE	2	c	30.11	- .14	60	57	+ 1	NE	3	b	2	64	57	-	
	Prawle Point ...	30.14	64	NW	2	bc	30.12	- .10	63	59	+ 3	ENE	2	b	1	65	53	-	
	Jersey (St. Aubin's)	30.24	65	WNW	3	bc	30.12	- .12	62	59	+ 3	ESE	3	bm	3	66	51	-	
	Hurst Castle ...	30.17	70	W	2	bc	30.13	- .05	61	60	- 3	WNW	2	1	1	71	54	-	
	Dungeness ...	30.14	62	SE	4	bc	30.11	- .01	62	60	- 3	NE	1	f	1	69	50	-	
	London ...	30.14	69	W	2	c	30.11	- .03	63	57	+ 1	Z	0	m	*	71	52	-	
	Oxford ...	30.15	62	WNW	2	b	30.12	- .03	62	57	+ 2	Z	0	b	*	69	50	-	
	Cambridge ...	30.16	61	NW	1	b	30.10	- .03	62	58	+ 4	NW	1	b	*	68	49	-	
	Yarmouth ...	30.10	63	W	2	c	30.07	+ .02	60	57	+ 3	W	1	b	1	64	53	-	
PORTUGAL.	Cuxhaven ...	29.98	60	W	4	r	29.98	+ .04	60	59	- 2	WNW	4	0	*	65	59	0.04	
	Berlin ...	29.98	64	WNW	3	c	30.01	+ .01	60	56	0	WNW	4	0	*	72	57	-	
	Wiesbaden ...	*	*	*	*	*	30.17	+ .04	60	54	- 3	NW	2	b	*	70	55	-	
	Munich ...	30.20	58	SW	1	c	30.24	- .02	61	57	+ 6	W	4	c	*	66	54	-	
	The Helder ...	30.11	57	WNW	2	c	30.08	+ .06	61	58	+ 1	WSW	1	b	1	61	59	-	
	Brussels (8 a.m.)	*	*	*	*	*	30.10	- .00	60	59	+ 1	SW	3	0	2	66	54	-	
	Cape Gris Nez	30.13	63	WSW	1	0	30.16	- .05	62	60	+ 3	NE	1	b	*	70	53	-	
	Paris ...	30.21	67	NE	1	b	?	?	57	56	- 2	E	2	b	2	70	54	-	
	Brest ...	?	62	N	3	b	?	?	57	56	- 1	E	3	b	2	70	57	-	
	Lorient ...	30.22	68	W	2	b	30.09	- .19	58	56	- 1	E	3	b	2	70	57	-	
PORTUGAL.	Rochefort ...	30.14	68	WNW	4	b	30.07	- .19	66	62	+ 2	ENE	3	b	*	77	61	-	
	Belfort ...	30.20	61	W	2	bc	?	?	63	59	+ 4	W	2	bc	*	68	47	-	
	Lyons ...	30.24	64	NNW	3	c	30.20	- .07	60	56	0	NNE	1	b	*	72	52	-	
	Nice ...	30.07	72	NW	1	m	30.10	+ .16	72	58	+ 3	Z	0	b	0	82	64	-	
	Perpignan ...	30.11	83	NW	2	b	30.12	- .09	71	65	+ 3	SE	2	f	*	88	57	-	
	Biarritz ...	30.17	72	NE	5	b	30.00	- .27	69	63	+ 7	SE	5	f	2	79	63	-	
	Cornuana ...	*	*	*	*	*	30.02	- .19	70	65	+ 1	S	4	0	2	88	?	-	
	Lisbon ...	30.09	75	NW	3	b	30.11	+ .01	67	61	- 4	NNW	4	b	2	79	63	-	

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

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

WEATHER CHARTS

for 8 a.m. on Sunday, 26th July, 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.

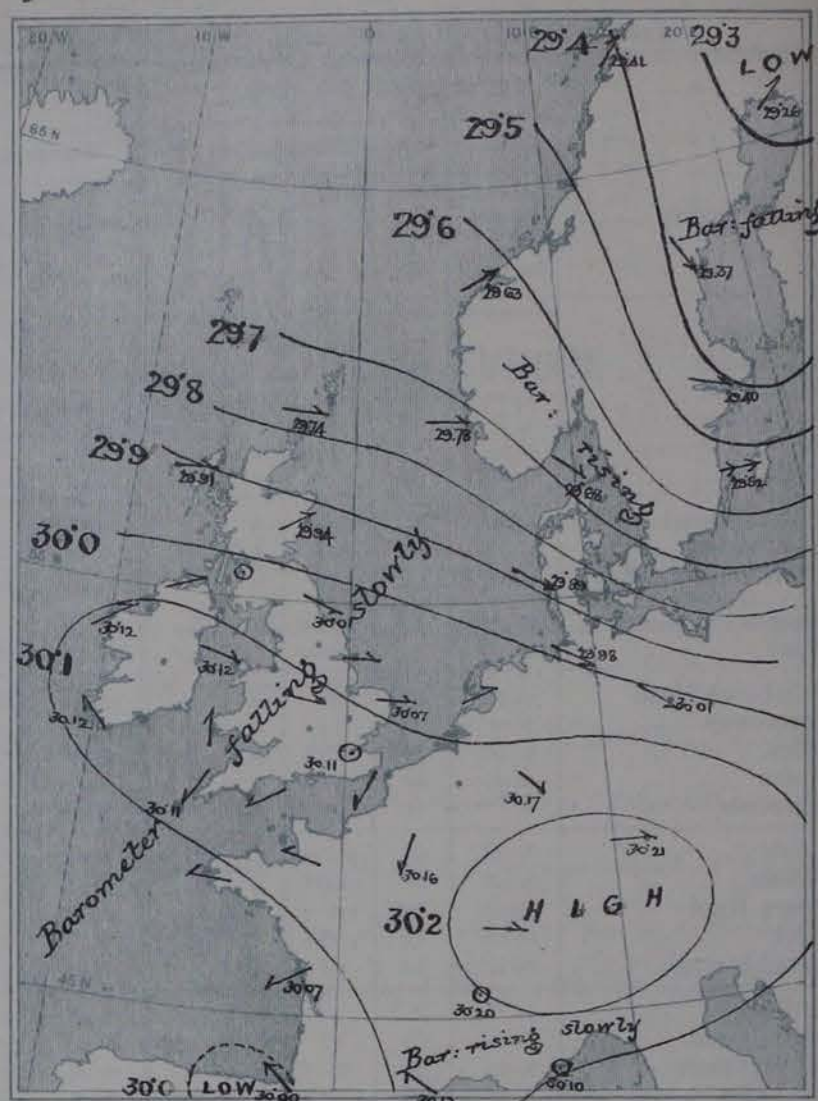
MEAN HEIGHT OF THE BAROMETER

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

STATIONS.

MEAN READINGS

STATIONS.	MEAN READINGS
Sumburgh Head	29.781
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.936
Mullaghmore	29.969
Donaghadee	29.977
Holyhead	29.910
Liverpool	29.966
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.939
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.937
LONDON	29.937
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER—Is shown by Letters of the Beaufort Scale

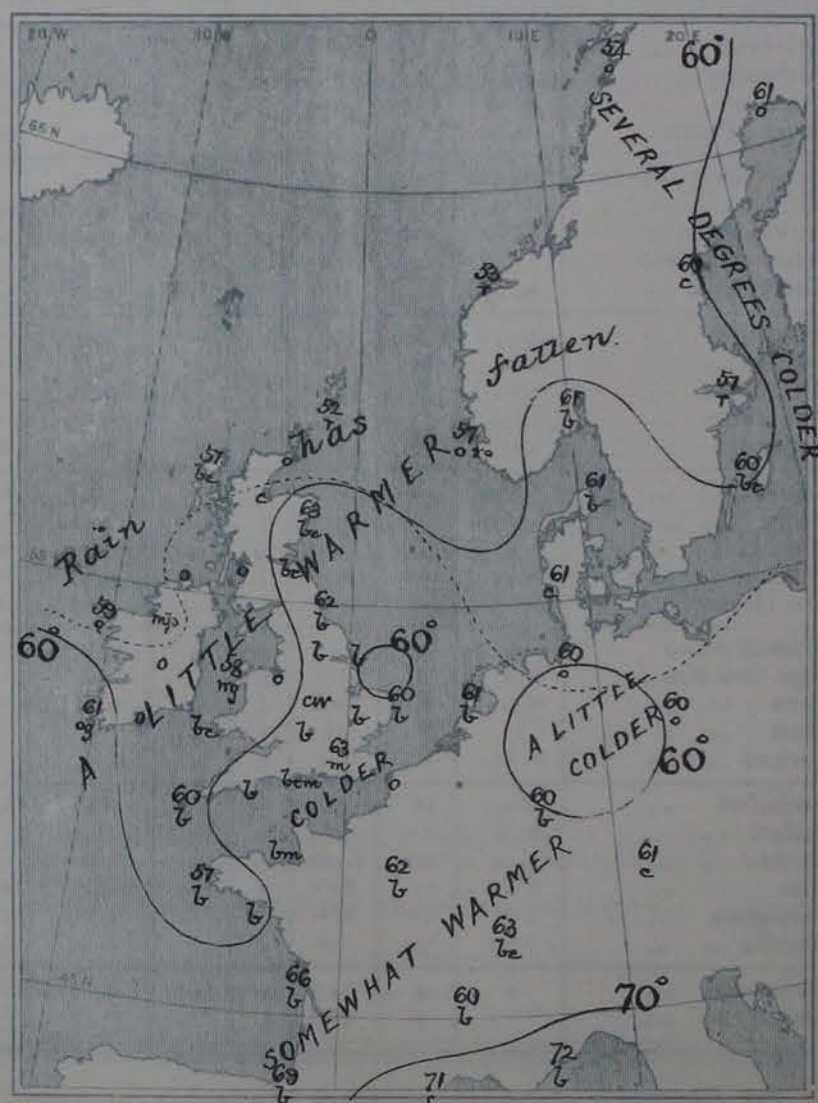
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily	Daily	at 8 a.m.		
	* Max.	Min.	Dry.	Wet.	
Sumburgh Head.....	57.4	48.0	53.1	51.5	2.27
Stornoway.....	60.2	48.9	55.5	53.6	3.02
Wick.....	61.8	48.7	55.8	53.3	2.34
Nairn.....	64.3	50.9	56.7	53.8	2.59
Aberdeen.....	63.9	50.6	57.5	53.9	2.78
Leith.....	66.7	51.2	58.4	54.9	2.85
Shields.....	64.1	52.2	58.3	55.0	2.66
Spurn Head.....	65.1	55.2	59.6	56.8	1.74
York.....	68.7	51.9	59.2	55.9	2.70
Loughborough.....	71.5	52.6	61.4	57.0	2.34
Ardrossan.....	63.5	52.8	57.3	54.6	2.91
Mullaghmore.....	62.9	54.0	57.2	54.4	3.72
Donaghadee.....	63.2	51.8	57.4	55.5	2.82
Holyhead.....	63.8	51.3	58.1	55.9	2.10
Liverpool.....	65.9	54.2	59.4	55.6	2.96
Parsonstown.....	66.4	51.5	58.1	54.8	2.96
Valencia.....	64.0	53.6	58.9	56.1	3.90
Roche's Point.....	66.1	53.2	58.8	55.9	3.29
Pembroke.....	62.5	54.8	58.0	56.0	2.54
Scilly.....	64.4	56.2	60.2	58.1	2.46
Prawle Point.....	64.5	53.7	59.6	55.3	2.21
Jersey.....	68.3	56.2	62.0	58.9	2.40
Hurst Castle.....	67.8	56.5	61.4	58.8	2.21
Dover.....	66.8	56.3	61.9	58.1	1.95
LONDON.....	72.4	54.0	62.0	57.8	2.38
Oxford.....	69.6	53.4	60.0	56.9	2.58
Cambridge.....	71.0	52.2	61.3	57.7	2.42
Yarmouth.....	68.0	51.9	60.0	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins. to 30.2 ins. in an anticyclone extending in a west-north-westerly direction from France and South Germany across the greater part of England and Ireland.
Lowest, 29.3 ins. and less, in a depression over the north of Sweden, 30 ins. and less, in a small shallow disturbance lying near Biarritz.

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

Barometer falling at all but the Danish and German stations, — brisily in the south of Sweden and the southwest of France.

TEMPERATURE

Highest, 72° at Nice, 71° at Bapstman, 70° at Orunna, 69° at Altimity, 67° at Lisbon, and 66° at Rochefort.

Lowest, 52° at Edinburgh 11, 53° at Christianund, 54° at Bodö, and 57° at Stockholm, Skudensås, Stornoway and Wick.

The highest maxima registered over our Islands yesterday were 71° at Hurst Castle, and 69° at Leith, Shields, Dungeness and Oxford.

WIND

W or NW over the northern and eastern parts of Great Britain, the North Sea, Denmark, Germany, and the greater part of Scandinavia, light or moderate in force generally, but strong in Sweden, with a gale at Malmö.

SW over the north of Scandinavia; E over France and the extreme southwest of our Islands.

WEATHER

Fine over England, France, the Netherlands, the greater part of Scotland, and the extreme south of Scandinavia.

Cloudy elsewhere, with rain at Stockholm, Christianund and Edinburgh 11, and passing showers at Mullaghmore.

Since yesterday morning rain has fallen in Scandinavia, Denmark and the north of Scotland (heavily, 2.0 ins.) at Skudensås.

SEA

Moderate off the north of Scotland, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 27th July 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.		
Skudesnaes ...	29.66	55	55	WNW	8	c	5	Holyhead ...	30.20	65	59	NW	2	c	2
Sumburgh Head ...	29.80	55	54	W	3	c	4	Valencia ...	30.26	64	57	NW	2	bc	2
Stornoway ...	30.00	59	57	W	4	bc	4	Seilly ...	30.26	63	59	NNW	3	c	2
Aberdeen ...	29.97	65	55	NW	3	c	2	Jersey ...	30.25	63	59	WSW	3	c	3
Shields ...	30.02	67	59	WNW	3	c	2	Dungeness ...	30.18	66	62	W	4	c	3
Ardrossan ...	30.09	66	58	W	3	o	2	London ...	30.15	66	58	NW	2	bc	8
Malin Head ...	30.14	60	56	WNW	4	o	3	Yarmouth ...	30.11	62	56	NW	2	c	2
Mullaghmore ...	30.21	60	56	WNW	4	o	2	Rochefort ...	30.25	72	64	WNW	3	b	2
Belmullet ...	30.22	63	60	W	2	o	*								

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

Weather in morning fine and bright both over southeastern Europe and the Spanish Peninsula; fair as a whole over France, the United Kingdom and Central Russia — but dull in many localities — changeable and unsettled elsewhere, with rain at several of the northern and central European stations, haze over the northern parts of the Mediterranean. A good deal of rain later over northern Europe, and a little in the north of our Islands, in Germany, Poland, and Hungary.

Temperature rather low for time of year. Morning readings exceeding 70° at many of the southeastern and southern stations (82° at Aumale) but below 60° over the greater part of our Islands and Norway, and as low as 54° at Sumburgh and Wick, 57° at Aberdeen, Malin Hd., Yarmouth, and Warsaw, 58° at Naun, Belmullet, and Spurn Hd. and also at Vienna and Carrow. Rising later to a little above 70° in some parts of the British Islands and Germany, to 80° and more in the southern parts of France, in Spain, and Italy, and to between 90° and 100° over Algeria.

Wind W¹ to NW¹ over the British Islands and North Sea (strong at the northern stations), W¹ over Germany, SW¹ over the Balkie, S¹ over Finland and the Gulf of Bothnia. NE² to N¹ over Switzerland, the south of France and Spain, N¹ over Algeria. Falling light in our Islands later, but blowing strongly in Norway.

Barometer highest 30.2 ins. and more to 30.0 ins. over western and central Europe, and over the Atlantic; also 30 ins. to 30.0 ins. over Russia. Lowest 29.5 ins. and less, in a depression over the northern half of Scandinavia; 30.0 ins. to 29.9 ins. and less in another over the Adriatic, Italy, and Greece; 29.9 ins. and less, in a secondary system over Hungary and Poland. Rising on our north and east coasts all day, but beginning to fall in the southwest and over 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).

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 27th July.* 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 10.)	Max.	Min.	Amount of Rainfall.
SCANDINAVIA.		Haparanda ...	29.26	53	N	4	r	24.37	+11	51	48	-10	N	4	0	*	68	7	0.04
		Hernösand ...	29.46	60	WNW	4	bc	24.50	+13	59	51	-1	WNW	6	0	*	75	48	—
		Stockholm ...	29.54	63	W	4	b	24.59	+19	64	59	+7	W	2	0	*	68	52	—
		Wisby ...	29.65	64	SW	4	c	24.67	+15	61	57	+1	WSW	4	0	*	68	54	—
		Bodö ...	29.39	53	N	4	0	24.50	+29	49	44	-5	NNW	2	0	0	57	46	0.04
		Christiansund	29.58	55	WNW	3	r	29.57	-06	55	53	+2	SE	1	0	2	53	52	0.35
		Skudesnaes ...	29.70	55	WNW	6	0	29.54	-24	59	57	+2	SE	4	0	5	59	53	1.77
		Christiania Fjord (Færder)	29.60	66	WNW	3	c	29.59	-05	63	57	+2	W	5	6	3	66	61	—
		Skagen (The Scaw)	29.67	58	W	7	bc	29.66	-02	60	56	-1	W	4	c	3	64	53	—
		Fanö ...	29.85	59	WNW	4	c	29.70	-14	61	57	0	SEW	3	c	*	64	53	—
		Sumburgh Head	29.63	52	W	3	0	29.50	-24	50	48	-2	SE	1	bc	3	54	45	0.10
		Stornoway ...	29.75	54	W	4	r	29.69	-22	57	50	-6	N	6	bc	5	61	44	0.40
		Wick ...	29.75	54	NW	3	0	29.60	-28	50	48	-2	NW	5	c	3	60	43	0.12
		Nairn ...	29.75	55	W	3	c	29.64	-27	48	47	-10	W	2	ch	1	64	45	0.13
		Aberdeen ...	29.79	58	E	1	og	29.62	-32	54	47	-7	WNW	3	bc	2	65	49	0.09
		Leith ...	29.86	65	W	4	bc	29.66	-34	57	52	-6	NW	3	0	*	68	53	—
		Shields ...	29.87	67	W	3	bc	29.65	-36	59	56	-3	W	3	c	2	70	51	—
		Spurn Head ...	29.91	64	E	1	bc	29.69	-36	62	58	+2	W	2	bc	1	69	57	—
		York ...	29.93	70	W	1	bc	29.70	-36	59	57	-4	WNW	2	0	*	72	52	—
		Loughborough	29.96	67	W	1	bc	29.73	-37	59	57	-1	WNW	1	c	*	69	53	0.01
		Ardrossan ...	29.88	55	WNW	3	0	29.73	-32	57	53	-1	WNW	2	6	2	60	53	—
		Malin Head ...	29.92	58	WNW	3	om	29.80	-27	54	49	-4	WNW	4	6	3	60	53	0.05
		Mullaghmore ...	29.98	60	WNW	4	0	29.84	-28	58	53	0	NW	5	bc	4	63	54	0.08
		Belmullet ...	29.99	61	W	2	0	29.87	-25	57	54	-2	N	2	bc	*	63	54	0.04
		Donaghadee ...	29.95	59	ENE	1	0	29.79	-36	56	54	-4	NNE	5	bc	3	69	54	0.02
		Liverpool (Bidston)	29.96	64	NW	1	bc	29.72	-38	58	57	0	W	3	0	3	67	53	0.01
		Holyhead ...	30.00	62	WNW	1	bc	29.78	-34	59	58	+1	NW	2	og	1	67	53	—
		Parsonstown ...	29.90	65	2	0	c	29.86	-27	59	56	0	2	0	0	*	66	56	—
		Valencia ...	30.00	60	N	2	0	29.93	-19	61	60	0	NW	2	oh	2	65	56	—
		Roche's Point...	30.00	61	2	1	c	29.86	-32	60	58	+2	NW	4	c	3	65	53	—
		Pembroke (St. Ann's Hd.)	29.97	62	NW	2	bc	29.80	-33	59	57	0	NNW	3	c	1	63	54	—
		Scilly ...	29.96	62	NE	4	bc	29.82	-29	60	55	0	NW	5	0	3	65	57	0.11
		Prawle Point ...	29.94	61	E	1	bc	29.74	-38	58	57	-5	NW	3	og	2	66	53	0.80
		Jersey (St. Aubin's)	29.93	70	SE	2	bc	29.73	-39	60	58	-2	WNW	3	omg	3	75	53	0.13
		Hurst Castle ...	29.96	68	NNW	2	bc	29.67	-46	58	58	-3	NE	3	r	2	70	58	0.65
		Dungeness ...	29.97	60	2	0	f	29.65	-46	61	60	-1	NE	3	h	2	65	55	0.01
		London ...	29.93	74	E	1	bc	29.70	-41	60	58	-3	2	0	rmg	*	76	57	0.11
		Oxford ...	29.91	66	NW	1	bc	29.71	-41	59	57	-3	NNE	1	0	*	74	57	0.10
		Cambridge ...	29.96	66	NW	1	bc	29.70	-40	59	58	-3	N	1	r	*	72	55	0.19
		Yarmouth ...	29.95	64	ENE	3	bc	29.66	-41	60	59	0	WNW	1	r	1	67	53	0.04
		Cuxhaven ...	29.94	60	W	3	bc	29.85	-13	60	59	0	2	2	m	*	67	57	—
		Berlin ...	30.01	64	W	3	c	29.90	-11	61	57	+1	SEW	2	bc	*	66	54	—
		Wiesbaden ...	*	*	*	*	*	29.84	-33	62	53	+2	2	0	bc	*	72	54	—
		Munich ...	30.10	60	NE	2	c	29.94	-27	63	53	+2	SE	2	bc	*	70	48	—
		The Helder ...	29.97	61	WNW	1	bc	29.74	-34	60	57	-1	SE	1	c	1	64	54	—
		Brussels (9 a.m.)	*	*	*	*	*	29.70	67	63	63	SE	2	c	*	72	57	—	
		Cape Gris Nez	29.95	63	W	1	f	29.65	-45	64	61	+4	2	0	r	0	68	55	—
		Paris ...	29.97	77	ESE	1	bc	29.72	-44	68	63	+6	2	4	c	*	80	55	—
		Brest ...	?	74	2	0	c	?	?	59	58	+2	N	2	0	2	86	55	—
		Lorient ...	29.88	70	WNW	1	bc	29.77	-32	63	61	+5	W	3	0	2	81	57	—
		Rochefort ...	29.84	79	WNW	1	bc	29.86	-21	67	64	+1	WNW	5	c	3	100	63	—
		Belfort ...	30.01	64	W	3	bc	29.88	?	64	61	+1	W	3	c	*	77	53	—
		Lyons ...	29.98	76	ENE	1	bc	29.90	-30	67	58	+7	W	1	ch	*	78	55	—
		Nice ...	30.04	74	WNW	1	bc	30.01	-09	67	61	-5	E	1	bc	1	82	61	—
		Perpignan ...	29.99	72	NE	2	bc	29.99	-13	67	63	-4	W	2	0	*	79	62	—
		Biarritz ...	29.98	69	W	5	0	30.03	+03	66	60	-3	WNW	4	0	2	79	63	0.04
		Corunna ...	30.07	*	*	*	*	30.08	-03	64	60	-3	NNE	5	bc	3	77	63	—
		Lisbon ...	30.07	67	N	5	bc	30.08	-03	64	60	-3	NNE	5	bc	3	77	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, 27th July, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER — Isotherms 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 the 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 shewn thus:
 ——— = Rough. ——— = High.

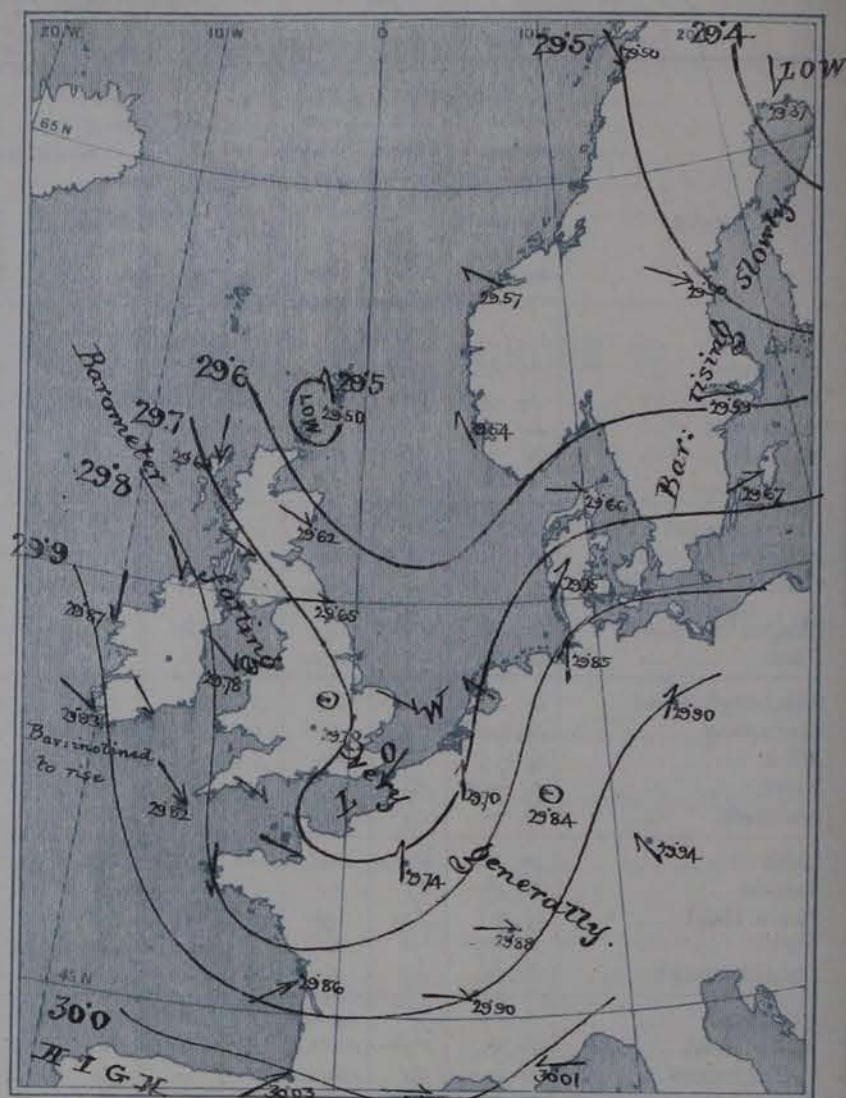
MEAN HEIGHT OF THE BAROMETER

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

STATIONS.

MEAN READINGS.

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



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

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

WEATHER — is shown by Letters of the Beaufort Scale.

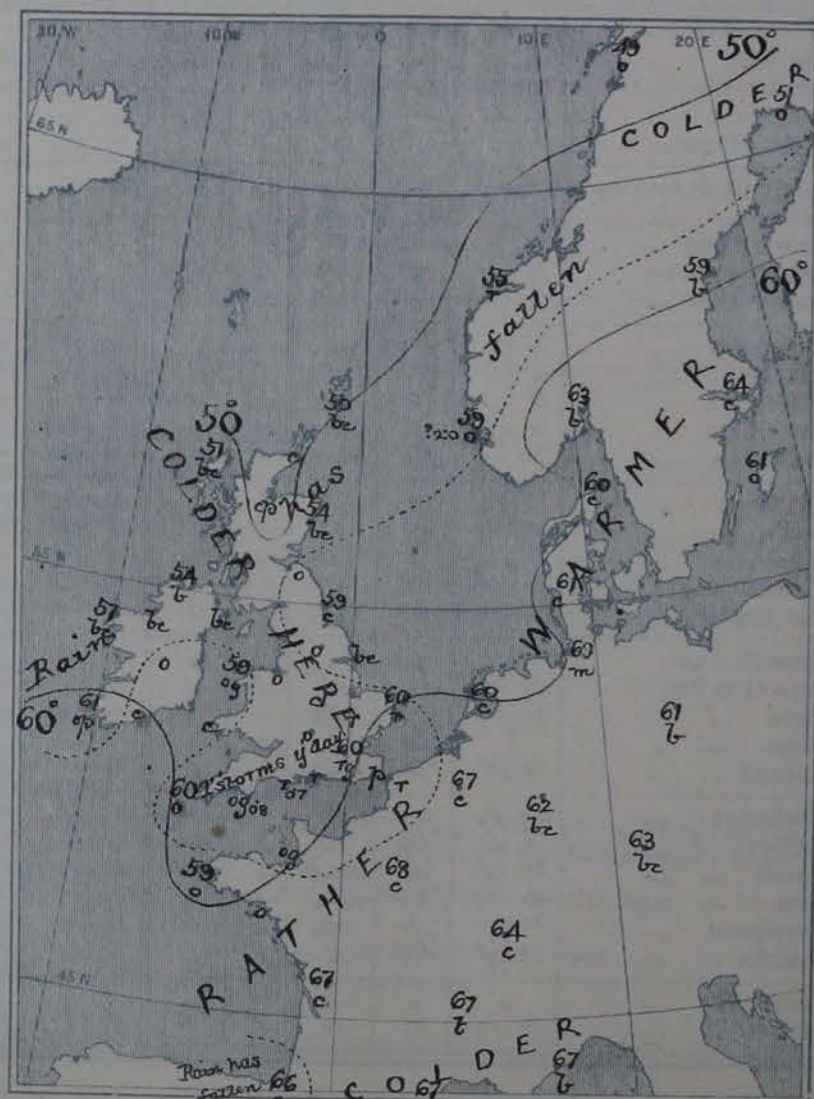
RAINFALL — A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Sornoway	60.2	48.9	54.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	54.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.06
Spurn Head	63.1	55.2	59.5	56.8	1.71
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullagmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	51.3	58.1	55.8	2.49
Liverpool	65.9	51.2	59.4	55.9	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.4	3.00
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.0	2.54
Scilly	61.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	63.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.24
Dover	66.8	56.3	61.9	58.1	1.95
LONDON	72.4	54.6	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.38
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.0	54.9	60.0	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE	<p>Highest, 30.0 ins. and upwards, over the Spanish Peninsula and extreme south of France.</p> <p>Lowest, 29.4 ins. and less, in a depression over the north of Sweden; 29.5 ins. and less, in another disturbance lying near the Shetlands; 29.7 ins. and less, in a third (very shallow) system lying over the southeast of England and the northwest of France.</p> <p>Gradients slight and irregular. Barometer rising in Sweden and also in the west of France, but falling elsewhere.</p>
TEMPERATURE	<p>Highest, 68° at Paris, 67° at Rochefort, Lyons, Nice, and Perpignan, 66° at Brest, and 64° at Stockholm, Crio Neg, and Lisbon.</p> <p>Lowest, 48° at Nain, 49° at Wode, 50° at Sumburgh, H. and Wick, and 51° at Haparanda and Storöway.</p> <p>The highest maxima registered over our Islands yesterday were 76° in London, 75° at Jersey, and 74° at Oxford.</p>
WIND	<p>Light to fresh from the NWnd or Nnd over the western and northern part of the United Kingdom, and also in the north of Scandinavia.</p> <p>Light from NE. in the southeast of England, moderate from W. in the west of France, S. over Germany, Denmark, and the Netherlands.</p>
WEATHER	<p>Cloudy or overcast in most districts with passing showers at some of our western and northern stations, steady rain in the southeast of England, and thunder at Lyons.</p> <p>Fine in Germany, and also in the north of Ireland.</p> <p>Thunderstorms occurred last night over France and the south of England; at Hurst Castle the rainfall amounted to 0.7 in. and at Havre Point to 0.8 in.</p>
SEA	<p>Light or smooth generally, but rather rough at Shetlands and Storöway.</p>

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression off the southeast of England will probably move away slowly in a northeasterly direction, so that some improvement in the weather is likely to set in over our southeastern counties in the course of the ensuing twenty-four hours.

FORECASTS

For the 24 hours ending at NOON on 28th July 1891.

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	NW th winds, moderate or fresh; changeable, some showers.	6 SCOTLAND WEST	NW th winds, moderate or fresh; changeable, some showers.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.	W th to N th winds, light, unsettled, some showers, thunder locally.	8 ENGLAND S.W.	
3 ENGLAND EAST	NE th to NW th winds, big, unsettled at first, with thunder, so improvement later	9 IRELAND NORTH	
4 MIDLAND COUNTIES		10 IRELAND SOUTH	
5 ENGLAND SOUTH			
		WARNINGS	NONE ISSUED

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudeenaes ...															
Sumburgh Head															
Stornoway ...	27.83	55	55	W	4	T	4								
Aberdeen ...															
Shields ...															
Ardrossan ...															
Malin Head ...	30.00	59	59	W	3	om	3								
Mullaghmore ...															
Belmullet ...	30.05	62	61	W	2	0	*								
Holyhead ...	30.06	62	59	W	1	6	1								
Valencia ...															
Scilly ...															
Jersey ...	30.04	70	63	SE	2	6	0								
Dungeness ...	30.02	61	59	SW	3	f	1								
London ...							*								
Yarmouth ...															
Rochefort ...	27.96	93	74	E	4	6	2								

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

Weather in morning fine and bright over the Mediterranean, Spain, and France, and over the major part of Great Britain, very changeable and unsettled elsewhere. Rain falling in some parts of Ireland, Germany, and Norway, as well as over the Baltic, large freshets in some parts of England.

Temperature in our Islands not very different from the average for time of year. Morning readings exceeding 70° at most stations over the southern and southeastern countries and over Central Russia, and exceeding 60° over the greater part of the United Kingdom, France, Germany and Denmark. Lowest 52° at Sumburgh Hd, 53° at Christiansund, 54° at Bodø, 56° at Archangel, 58° at Narvik, Malin Hd and Hohenkloster. Rising later to between 70° and 76° over England, to 80° or more over Central France, to 88° at Biarritz and to 100° at Rochefort.

Wind moderate to light from the Wnd on our north and east coasts, fresh on eastern side of the North Sea and Germany, a gale over the Baltic; SWnd moderate to light over Finland. Very variable over Southern Europe. Becoming very variable on our southwestern coasts later, and shifting to End over our eastern coasts.

Barometer highest 30.2 in: over Switzerland and south Germany, and ranging between 30.2 in: and 30.0 in: over France, Germany, England, Ireland, and the greater part of the Mediterranean. Lowest 29.4 in: to rather below 29.3 in: in depressions over the Gulf of Bothnia and Lapland, and below 29.3 in: over Poland. Some shallow disturbances off our southwestern coasts and over the Bay of Biscay; falling throughout western Europe during day, and shallow disturbances appearing over the western parts of our Islands and France.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 19th TO 25th JULY, 1891.

The weather of this week was changeable showery and unsettled until Friday, and on several days thunderstorms of considerable energy prevailed in various parts of the Kingdom. These conditions were brought about mainly by a depression which approached our northwestern coasts on Monday, and after travelling slowly across Scotland in an easterly direction reached our northeastern coasts and the North Sea on Wednesday, where after undergoing some modification in form and intensity, it filled up on Thursday night. A new disturbance then appeared off the west of Norway and advanced eastwards over Scandinavia, but did not affect the weather in our Islands much, except in the far north. Friday and Saturday were consequently finer than the earlier days of the week, and the wind (after being fresh) fell light from the Wnd. The highest of the daily maxima recorded in our Islands were very little above 70°, and on one day (Thursday) the thermometer did not rise above 61° at Yarmouth, Oxford, Liverpool and Malin Hd, and 62° in London and at several of the Irish 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 28th July. 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 3.)	SHADE TEMP.		Amount of Rainfall.	
				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 ...	29.77	57	2	0	bc	29.71	+0.24	49	49	-2	NE	2	7	*	59	46	0.04	
	Hernösand ...	29.57	61	8	4	b	29.60	+0.10	61	57	+2	S	2	C	*	77	50	—	
	Stockholm ...	29.55	63	2	0	c	29.58	-0.01	67	53	+3	SE	4	C	*	72	53	—	
	Wisby ...	29.65	60	SEW	4	b	29.55	-0.12	65	60	+4	SE	4	0	*	66	59	—	
	Bodö ...	29.57	52	2	0	c	29.65	+0.15	50	49	+4	N	1	6	1	54	45	—	
	Christiansund	29.52	53	NE	7	bc	29.57	-0.20	56	53	+1	ENE	5	C	3	59	52	—	
	Skudesnaes ...	29.41	52	N	4	7	29.50	-0.24	52	50	-5	SE	4	C	4	59	48	—	
	Christiania Fjord (Færder)																		
	Skagen (The Scaw)	29.50	62	0	4	0	29.54	-0.32	53	53	-7	NW	4	7	2	66	52	1.26	
	Fanö ...	29.45	59	2	0	7	29.50	-0.25	59	53	-2	N	5	C	*	66	54	0.16	
BRITISH ISLANDS.	Sumburgh Head	29.47	48	NNE	2	7	29.40	-0.10	49	49	-1	N	5	7	5	54	46	1.23	
	Stornoway ...	29.72	52	NNW	6	bc	29.76	+0.07	49	48	-2	N	6	0	5	54	45	0.03	
	Wick ...	29.53	50	N	6	0	29.56	-0.04	49	49	-1	N	8	0.0	7	54	44	0.20	
	Nairn ...	29.60	52	N	4	7	29.61	-0.03	50	49	+2	NNW	4	0.7	3	53	46	0.11	
	Aberdeen ...	29.55	51	NNW	7	C	29.54	-0.01	50	48	-4	NNW	7	0.7	5	59	47	0.10	
	Leith ...	29.64	62	NW	3	C	29.67	+0.01	53	49	-2	WNW	3	C	*	67	47	—	
	Shields ...	29.63	56	ESE	1	bc	29.66	+0.01	53	50	-4	NNW	4	bc	2	62	46	—	
	Spurn Head ...	29.65	57	NNE	3	bc	29.70	+0.01	53	51	-7	N	5	6	3	63	55	—	
	York ...	29.65	63	NW	2	b	29.71	+0.01	57	50	-2	NW	3	bc	*	66	43	—	
	Loughborough	29.73	60	N	5	6	29.77	+0.06	53	51	-4	N	4	67	*	67	46	—	
GERMANY & HOLLAND.	Ardrossan ...	29.75	57	N	5	b	29.74	+0.01	56	52	-1	N	5	C	3	60	50	—	
	Malin Head ...	29.85	54	NW	4	0.7	29.83	+0.03	57	47	-3	NNW	5	0.7	3	57	50	0.01	
	Mullaghmore ...	29.51	56	NNW	5	0.7	29.83	+0.05	54	48	-4	NW	5	0	4	59	57	—	
	Belmullet ...	29.55	57	NNW	2	0	29.58	+0.12	53	53	-2	NNW	3	0.7	*	55	51	0.04	
	Donaghadee ...	29.80	56	NE	6	b	29.84	+0.05	53	51	-1	NNE	5	0	3	60	54	—	
	Liverpool (Bidston)	29.76	58	NNW	5	b	29.77	+0.07	54	49	-4	NNW	5	bc	4	60	52	—	
	Holyhead ...	29.83	55	N	3	b	29.85	+0.07	54	52	-5	NW	4	0.7	4	60	51	0.02	
	Parsonstown ...	29.71	58	Z	0	bc	29.76	+0.10	53	52	-4	NW	1	0	*	65	49	—	
	Valencia ...	29.58	59	N	4	0.7	29.64	+0.11	57	53	-4	N	2	C	3	64	52	0.05	
	Roche's Point...	29.87	62	NW	4	C	29.97	+0.13	56	52	-4	NW	3	C	3	65	53	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.86	58	NNE	2	C	29.93	+0.13	54	52	-5	NW	3	bc	1	61	52	—	
	Scilly ...	29.54	61	N	4	C	29.54	+0.12	59	57	-1	NNW	4	6	4	63	56	—	
	Prawle Point ...	29.84	61	NW	3	b	29.91	+0.17	56	53	-2	S	1	bc	0	70	52	0.05	
	Jersey (St. Aubin's)	29.87	61	NNW	4	b	29.90	+0.17	64	56	+4	NNW	3	0.7	3	65	57	0.06	
	Hurst Castle ...	29.76	64	NNW	3	bc	29.88	+0.21	57	53	-1	NNW	2	C	1	69	50	0.09	
	Dungeness ...	29.67	64	NW	3	0.7	29.83	+0.18	53	51	-6	NW	3	bc	2	65	45	0.62	
	London ...	29.70	62	WNW	2	0.7	29.85	+0.15	58	51	-2	NNW	2	6.7	*	65	45	0.05	
	Oxford ...	29.75	58	NW	2	b	29.85	+0.14	58	53	-4	N	1	6	*	67	44	0.05	
	Cambridge ...	29.74	60	N	1	C	29.80	+0.10	56	51	-3	N	2	6	*	66	44	0.14	
	Yarmouth ...	29.60	59	NNE	3	C	29.72	+0.06	54	50	-6	N	3	6	3	64	46	0.26	
PENINSULA.	Cuxhaven ...	29.52	64	2	0	7	29.60	-0.25	62	60	+2	NNW	5	7	*	72	60	0.40	
	Berlin ...	29.57	69	SE	3	C	29.62	-0.28	61	59	0	N	4	0	*	75	59	—	
	Wiesbaden ...	*	*	*	*	*	29.83	-0.01	63	59	+1	SW	4	0	*	73	57	0.05	
	Munich ...	29.84	60	E	2	7	29.96	+0.02	61	57	-2	SW	6	C	*	75	59	0.12	
	The Helder ...	29.57	60	SW	3	7	29.71	-0.03	59	53	-1	WNW	2	C	3	64	57	0.04	
	Brussels (9 a.m.)	*	*	*	*	*	29.81	+0.11	57	52	-10	WNW	5	6	*	68	57	0.95	
	Cape Gris Nez	29.68	61	N	4	0	29.81	?	53	54	-9	N	4	0	4	64	52	0.25	
	Paris ...	29.75	62	N	4	bc	29.91	+0.19	59	57	-9	SEW	2	bc	*	77	53	—	
	Brest ...	?	64	NNW	2	C	?	?	60	59	+1	N	2	0	2	75	57	—	
	Lorient ...	29.92	65	NNW	4	6	29.97	+0.20	61	58	-2	NNW	2	bc	3	70	59	—	
PENINSULA.	Rochefort ...	29.93	67	N	5	bc	29.98	+0.12	64	60	-3	NNW	3	0	2	81	59	0.03	
	Belfort ...	29.84	66	N	3	bc	29.92	+0.04	63	57	-1	N	3	0	*	77	56	0.16	
	Lyons ...	29.85	75	WNW	1	b	29.97	+0.09	61	58	-6	N	1	7	*	80	56	—	
	Nice ...	29.91	69	S	5	0	29.94	-0.17	68	64	+1	NNE	2	6	6	79	61	—	
	Perpignan ...	30.00	72	N	2	0	29.96	-0.03	69	62	+2	N	2	0	*	78	64	0.16	
	Biarritz ...	30.08	69	NNW	4	C	30.04	+0.01	67	64	+1	SE	3	0	2	73	64	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 Tuesday, 28th July, 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 the feathers and barbs refer to force thus:
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 ———— = Rough, ———— = High.

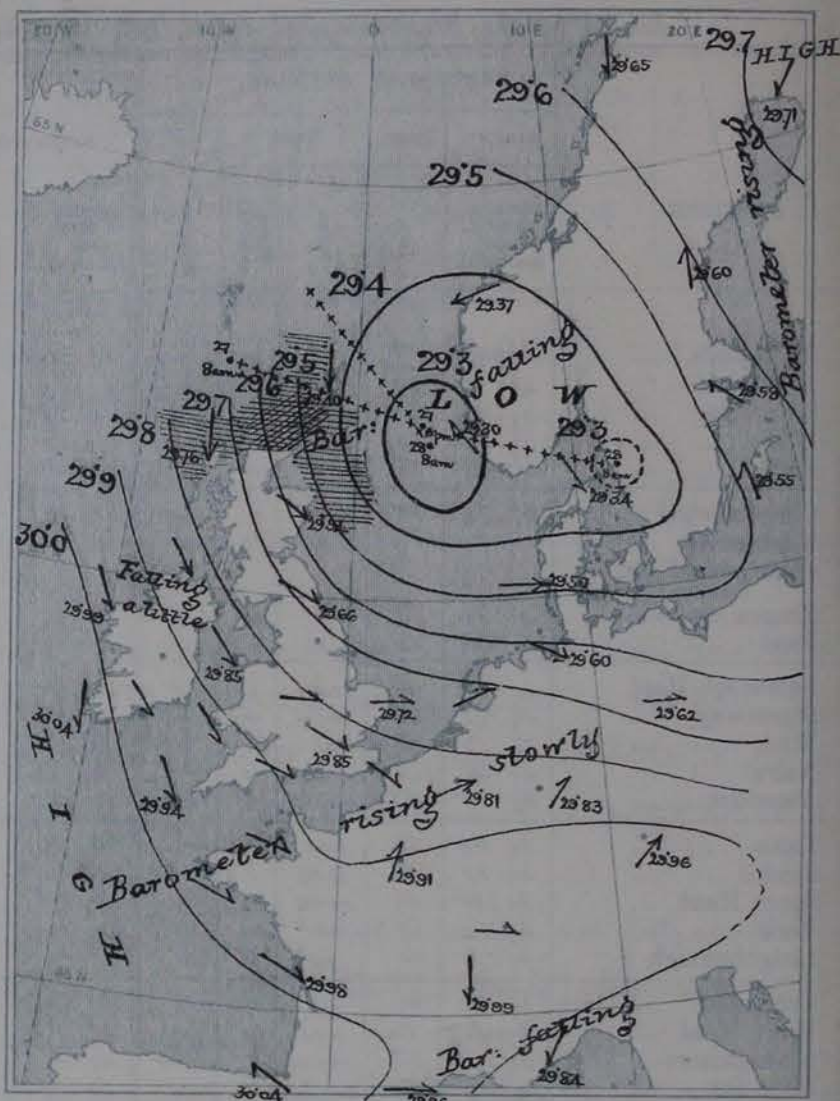
MEAN HEIGHT OF THE BAROMETER

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

STATIONS.

MEAN READINGS

STATIONS.	MEAN READINGS
Sumburgh Head	29.784
Sornoway	29.795
Wick	29.800
Nairn	29.813
Aberdeen	29.820
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.959
Mullaghmore	29.969
Donaghadee	29.977
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.985
Roche's Point	29.932
Pembroke	29.930
Scilly	29.971
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.940
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

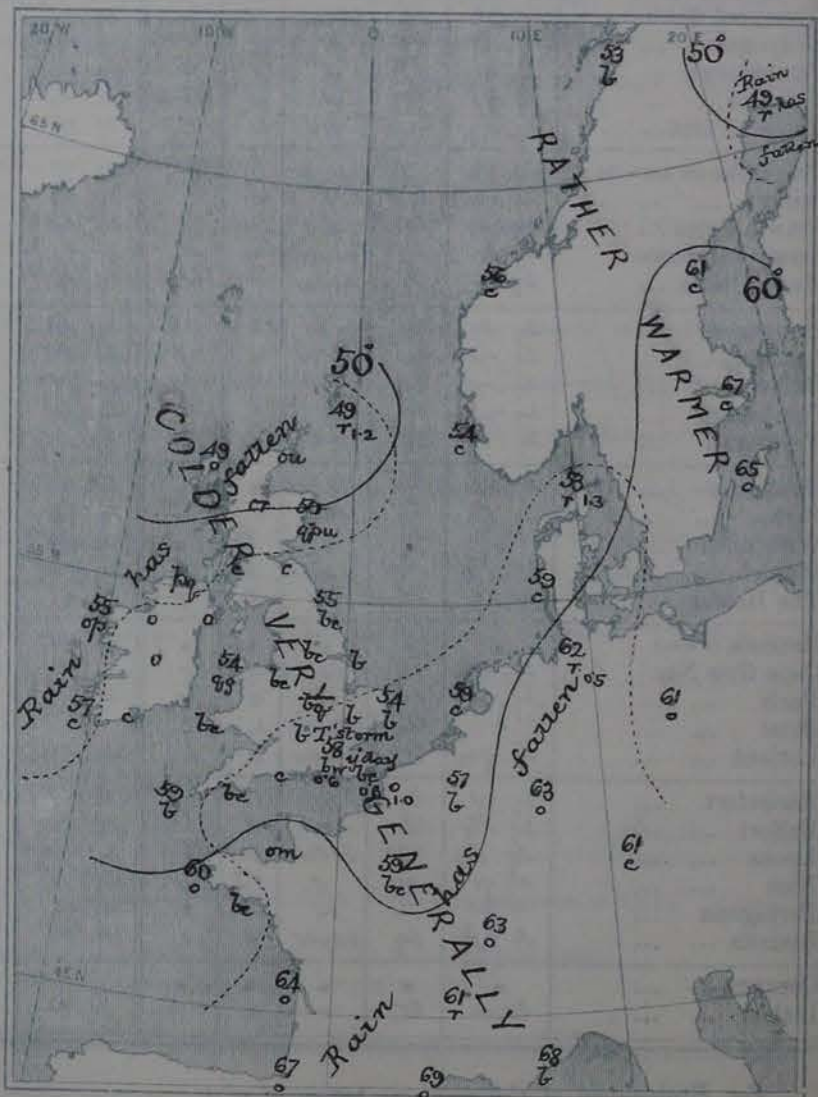
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry.	Wet.	
Sumburgh Head	57.4	48.0	58.1	51.5	2.27
Sornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	53.3	2.50
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.0	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.79
Loughborough	71.5	52.6	61.1	57.0	2.34
Ardrossan	63.5	52.8	57.3	54.0	2.51
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.10
Liverpool	65.9	54.2	59.4	55.6	2.90
Parsonstown	66.4	51.5	58.1	54.8	2.96
Valencia	64.0	53.6	58.9	56.3	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.29
Pembroke	62.5	54.8	58.0	56.9	2.51
Scilly	64.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	54.7	59.6	57.3	2.21
Jersey	68.5	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	54.8	2.24
Dover	66.8	56.3	61.9	58.1	1.95
LONDON	72.4	54.0	62.0	57.8	2.88
Oxford	69.6	53.4	60.0	56.6	2.68
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in: and more over France, the Bay of Biscay, the western parts of our Islands, and adjacent parts of the Atlantic.
Lowest, 29.3 in: and less, in two depressions lying respectively near Juttenberg, and between the Shetlands and west of Norway.
Gradients moderate as a whole, but increasing.
Barometer unsteady, with a tendency to fall generally.

TEMPERATURE

Highest, 67° to 69° in the south of France, 60° at Bristol, 55° to 59° over the southern part of our Islands.
Lowest, 49° at Stromsø, Lumburg, H^l and Wick, 50° at Kilm and Aberdeen, 51° at Malin H^l, 54° at Holyhead and Pembroke.
 Its tendency is to decrease generally, most in the north. The past night has been very cold over Great Britain.

WIND

Strong to a gale from N. and NW over the northern half of Scotland, fresh NW² in the northern parts of Ireland and England, moderate in the southwest and south.
 Fresh W³ breeze over the southern and eastern parts of the North Sea.

WEATHER

Very rainy in Norway and the northern parts of Scotland; fair but changeable in most other places. Showery weather with thunder has been very prevalent in the south and east of England and over France.
 Rainfall heavy in southern counties — 0.6 in: in London and at Dungeness, 2 in: at Litchbourne.

SEA

High at Wick, rather rough in the north generally, moderate in the northwest, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which appeared near the Shetlands yesterday has passed away to Sweden, and another has advanced in its rear, and is now ^{near} Ellendervær; the barometer is unsteady all over the United Kingdom — falling in the north, and gradients are beginning to be rather steep over the northeastern part of Scotland, where the conditions are very unsettled. The wind is blowing rather hard from N. and NW in the northeast of Scotland, temperature is low, and much rain is reported. In all districts the conditions are unstable, and the weather cold for the time of year.

FORECASTS

For the 24 hours ending at NOON on 29th July 1891.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

N² and NW² winds, strong; squally, showery, cold.

NW² winds, freshening; showery with bright intervals. Cold for time of year.



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

NW² winds, fresh; showery, cold.

NW² winds, moderate, some showers, bright intervals, cold tonight.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

[illegible]

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

Weather fine over the central and southern countries, but cloudy or overcast elsewhere, with passing showers in the west and north of our Islands, heavy rain in the southeast of England and thunder at times. Heavy rain falling during day at many of our east and southeastern stations, and also in Denmark and the extreme north of Scotland, the largest amounts being 1.3 in. at Skagen, 1.2 in. at 2 in. at Sittingbourne.

2 mi. at Seelingspoort.
 Seelingspoort. Thunderstorms continuing in the southeast of England.

Temperature highest 78° at ²⁸Barcelona, 77° at ²⁸Prindia and Algiers, 76° at Palermo, and 75° at Nemours, Ovan, and Malta; above 70° at nearly all the Mediterranean and Adriatic stations. Lowest 48° at Nauen, 49° at Rode, 50° at Lumburg ²⁴ and ²⁵Wiel, and 51° at Hafnaranda, Uleaborg, and Foonoway; below 60° in nearly all parts of the United Kingdom as well as in Austria and Eastern Germany. Daily maxima below 70° in our Islands generally, and below 60° in the extreme north and northwest, but thermometer reaching 80° or more at several of the French stations.

Wind light to fresh from the N^{or} or NW^{or} in all the more western and northern parts of the United Kingdom, and also in the western part of the Spanish Peninsula, but light from the NE^{or} in the southeast of England. Moderate from the W^{or} in the west of France, S^{or} over Denmark, Germany, and the Netherlands, SE^r in the west of Norway. Light to fresh from W. or NW. over Sweden, the Baltic, northern Russia, light from N. in the south of Russia; variable, but chiefly N^r in Italy and Algeria. Moderate NW^r gale springing, up to later in the north of Scotland, wind backing to the same quarter in the southeast of England.

Barometer highest 29.9 ins. to 30.0 ins. or a little above in a large area covering the whole of central and southern Europe and the Mediterranean, and extending northwards over the Bay of Biscay to the southwest of Ireland. Lowest 29.3 ins. and less, in a large depression over northern Russia, 29.5 ins. and less, in a smaller disturbance lying to the northwestward of the Shetlands, 29.7 ins. and less, a very shallow system lying off the southeast of England. Depression in neighbourhood of Shetlands subsequently moving eastwards to the southwest of Norway; shallow disturbance off our southeast coast moving northeastwards to North Sea.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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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DAILY WEATHER REPORT.

for *Wednesday 29th July.* 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.																	
BAROM.																	
TEMP.																	
WIND.																	
SEA.																	
SHADE TEMP.																	
Amount of Rainfall.																	
SCANDINAVIA.																	
Haparanda ...																	
Hernösand ...																	
Stockholm ...																	
Wisby ...																	
Bodö ...																	
Christiansund ...																	
Skudesnaes ...																	
Christiania Fjord (Færder) ...																	
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 ...																	
Cuxhaven ...																	
Berlin ...																	
Wiesbaden ...																	
Munich ...																	
The Helder ...																	
BRUSSELS (9 a.m.) ...																	
Cape Gris Nez ...																	
Paris ...																	
Brest ...																	
Lorient ...																	
Rochefort ...																	
Belfort ...																	
Lyons ...																	
Nice ...																	
Perpignan ...																	
Biarritz ...																	
CORUNNA ...																	
Lisbon ...																	

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

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

WEATHER CHARTS

for 8 a.m. on Wednesday, 23rd July, 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 the bars and feathers refer to force thus:
 ———— force above 10; ———— force 8 to 10;
 ———— force 5 to 7; ———— force 1 to 4;
 ———— dead calm.

SEA DISTURBANCE—When considerable, is shown thus:
 ———— = Rough. ———— = High.

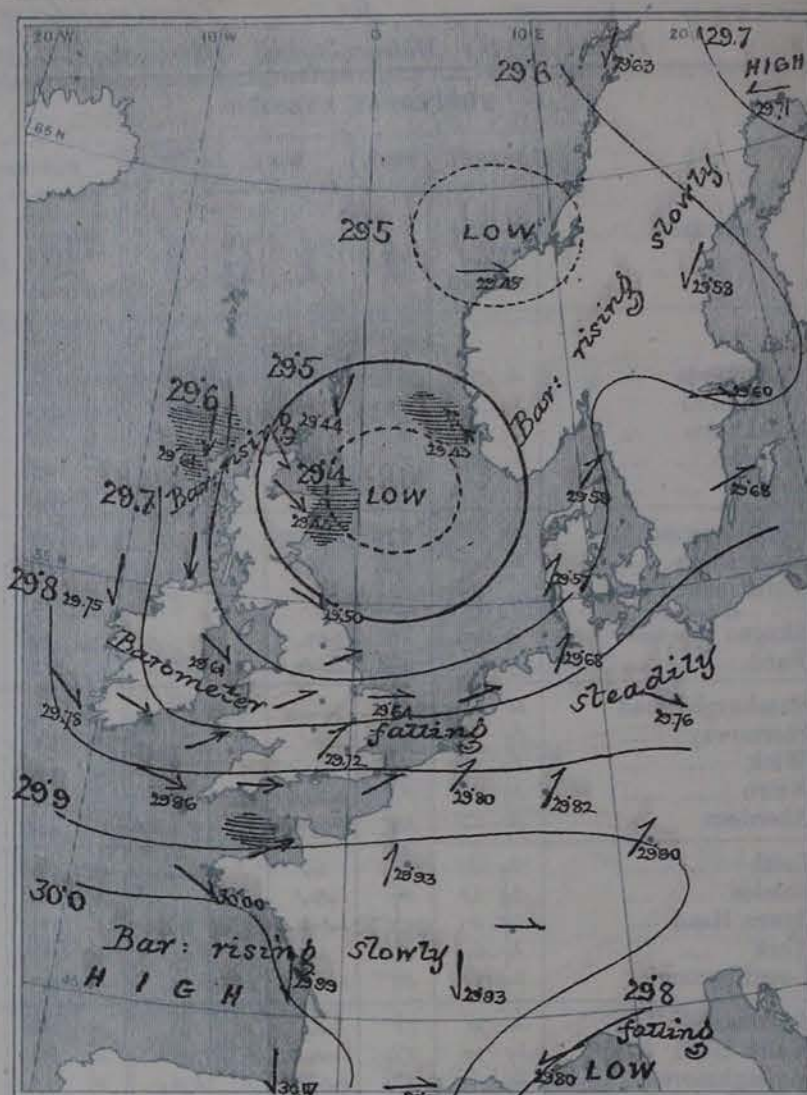
MEAN HEIGHT OF THE BAROMETER

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

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.784
Stornoway	29.795
Wick	29.800
Nairn	29.815
Aberdeen	29.820
Leith	29.844
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.923
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Seilly	29.971
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

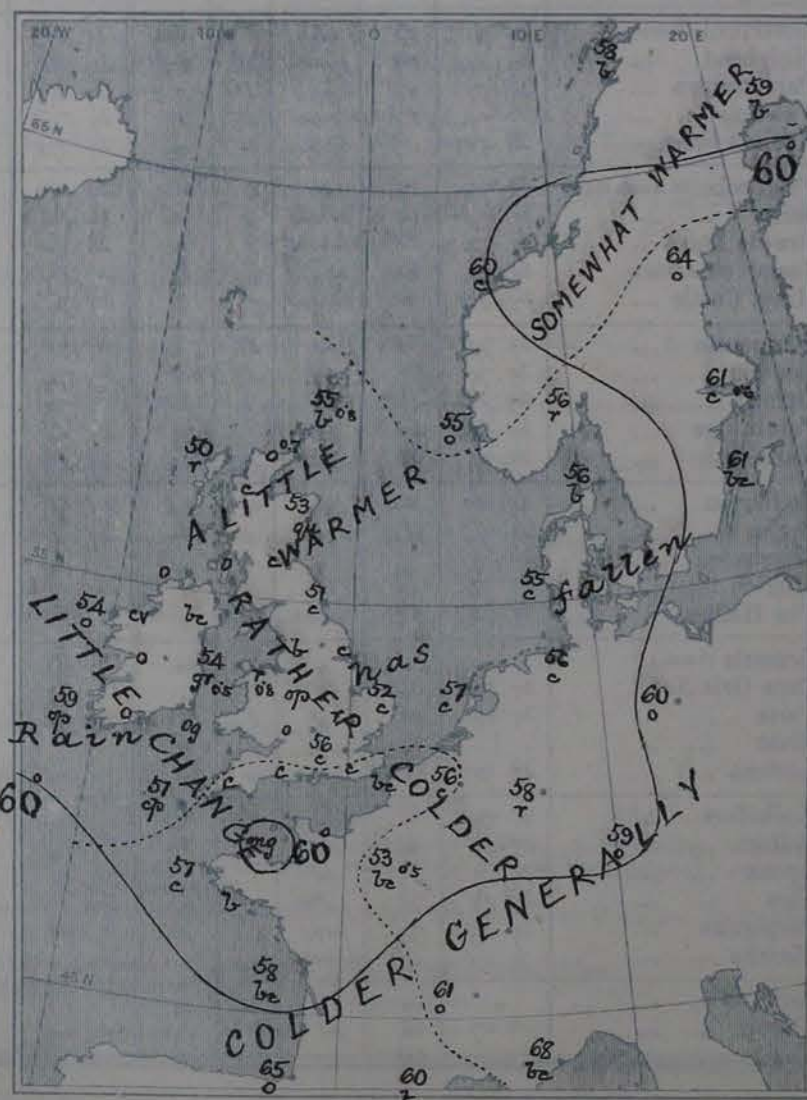
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	57.4	48.0	53.1	54.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.31
Nairn	64.3	50.0	56.7	53.3	2.59
Aberdeen	65.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.0	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	55.2	59.5	56.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.1	57.6	2.34
Ardrossan	63.5	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.40
Liverpool	65.9	51.2	59.4	55.6	2.96
Parsonstown	66.4	51.5	58.1	54.8	2.06
Valencia	64.0	53.6	58.9	56.4	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.20
Pembroke	62.9	54.8	58.0	56.0	2.51
Seilly	64.4	55.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.21
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.21
Dover	66.8	56.3	61.9	58.1	1.95
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	68.6	51.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards in Portugal.

Lowest, 29.4 in. in a depression lying between the coasts of Norway and Scotland.

Gradients slight generally. Barometer falling in Ireland, England, and the Netherlands, but rising elsewhere.

TEMPERATURE

Highest, 68° at Nice, 65° at Biarritz, and 64° at Huesoand, Lyons, and Lisbon.

Lowest, 50° at Stromsøay and Liverpool, 51° at Leith and Shields, and 52° at Lymington, Malin Head, and Yarmouth.

The highest maxima registered over our Islands yesterday were 66° at Black Point, and 65° at Dungeness and in London.

WIND

Moderate to fresh from the N^W or N^WW in Ireland and Scotland.

W³ or SW³ over England, the Netherlands and Germany; strong in force at several of the Channel stations.

SW³ or S³ in Denmark and the south of Sweden; SE³ in the south of Norway; E³ or NE³ in the north of Scandinavia.

Moderate from the N^W in the southwest of France.

WEATHER

Cloudy or overcast in most parts of our area, with rain at several of the English stations, as well as at Fædder, Stromsøay and Minsteren, and a thunderstorm at Perpignan.

Rain fell yesterday in most places, the largest amounts being 0.8 in. at Edinburgh, 0.6 in. at Liverpool, and 0.7 in. at Wick.

SEA

Rather rough off the north and east of Scotland, as well as at Jersey, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any material improvement in the weather. Shallow secondary depressions are apparently lying over our western coasts, and as these are likely to move eastwards, showers are probable in most districts.

FORECASTS

For the 24 hours ending at NOON on 30th JULY 1891.

DISTRICTS.

FORECASTS.

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

N³ and NW³ winds, moderate or fresh; changeable, some cold showers.

Same as N^o 5.

N³ and SW³ winds, moderate; changeable, showery.

DISTRICTS.

FORECASTS.

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

W³ and NW³ winds, light; cloudy, showery.

W³ and NW³ winds, fresh; changeable, showery.

N³ and NW³ winds, fresh; cloudy, showery.

Same as N^o 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:								THER:							
WIND								WIND							
BAR:	D.	W.	D.	F.	WEA.	SEA	BAR:	D.	W.	D.	F.	WEA.	SEA		
Skudesnaes ...	29.30	50	52	SE	1	c	5	Holyhead ...	29.87	61	54	NW	4	bc	4
Sumburgh Head	29.34	50	50	N	4	p	5	Valencia ...	30.05	60	53	N	2	cr	2
Stornoway ...	29.73	51	50	N	4	o	4	Scilly ...	29.57	61	57	NNW	4	bc	4
Aberdeen ...	29.52	50	48	WNW	7	og up	5	Jersey ...	29.50	62	56	WNW	4	bc	3
Shields ...	29.63	61	53	WNW	4	c	3	Dungeness ...	29.81	62	54	NW	3	c	2
Ardrossan ...	29.73	57	50	W	5	bc	3	London ...	29.80	64	54	W	2	o	*
Malin Head ...	29.84	54	50	NW	4	c	3	Yarmouth ...	29.71	59	55	WNW	4	c	4
Mullaghmore ...	29.86	58	54	NW	5	o	4	Rochefort ...	30.00	70	64	W	3	o	?
Belmullet ...	29.56	58	54	WNW	2	o	*								

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

Weather fine over the greater part of England, as well as over southern and eastern Europe, the Mediterranean and Algeria. Cloudy or overcast elsewhere, with steady rain in Scotland and Denmark, and passing showers in the north of Ireland. Heavy rain falling during day in the north and northwest of our Islands, and showers in most other parts of Western Europe.

Temperature highest 84° at Annale, 81° at La Celle, 79° at Barcelona, and 78° at Algiers; above 70° at most of the Mediterranean and Adriatic stations, and above 65° in the south of Sweden. Lowest 49° at Naparanda, Sumburgh Hl., Stornoway, and Mick, 50° at Kauri and Aberdeen, and 51° at Malin Hl., below 55° in many parts of our Islands, and below 60° over the whole of the United Kingdom, the North Sea, Norway, Denmark, and the Netherlands. Daily maxima below 60° at most of our western and northern stations, and below 65° elsewhere, but thermometers exceeding 70° in many parts of France, and exceeding 80° in the south of that country.

Wind light to fresh from the Wnd or NWnd over the greater part of our Islands, as well as in Denmark, and the west of France, but strong to a gale from the Nnd in the extreme north of Scotland. Fresh or strong from the SWnd over Germany and the Netherlands, light from the SEnd or SEnd over the Baltic; End in the west of Norway. Light from the Nnd in the south of Russia; variable over Italy, Algeria, and the Mediterranean. No important change occurring during day.

Barometer highest, 30.0 in: and upwards, in an anticyclone spreading from the Atlantic over the Bay of Biscay, the southwest of France, the north of Spain, and the extreme southwest of Ireland. Lowest, 29.3 in: and less, in two small depressions one lying near Fatterberg, and the other between the Shetlands and west of Norway. Former disturbance subsequently travelling slowly eastwards, and the latter moving very slightly in a southwesterly direction.

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 30th July.* 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 ...	29.61	57	2	0	6	29.55	-15	60	57	+1	NE	4	6c	*	64	43	—	
	Hernösand ...	29.61	57	2	0	6	29.61	+03	60	57	-4	2	0	C	*	70	57	0.43	
	Stockholm ...	29.67	60	2	2	C	29.71	+11	60	57	-1	2	7	*	70	52	0.12		
	Wisby ...	29.70	60	2	4	7	29.71	+03	62	57	+1	SE	4	C	*	70	57	0.4	
	Bodö ...	29.70	52	2	2	6	29.71	+04	52	46	-6	N	4	6c	2	57	44	—	
	Christiansund	29.65	57	W6W	3	7	29.77	+12	53	45	-7	NE	4	6	3	63	52	0.12	
	Skudesnaes ...	29.62	57	SE	4	C	29.65	+26	61	53	+6	E	4	C	2	61	53	—	
	Christiania Fjord (Færd)	29.65	60	S	2	6c	29.68	+06	61	57	+5	2	0	6	4	63	57	—	
	Skagen (The Seaw)	29.63	57	2	0	0	?	?	57	57	+3	2	0	6	0	66	58	—	
	Fanö ...	29.60	53	SEW	4	6	29.61	+04	55	53	0	SE	6	C	*	61	52	0.24	
BRITISH ISLANDS.	Sumburgh Head	29.60	58	NNE	2	6	29.77	+15	54	54	-1	NNE	3	0	4	60	45	—	
	Stornoway ...	29.73	51	NW	6	7	29.71	+30	52	52	+2	NW	4	7	5	53	49	0.06	
	Wick ...	29.69	51	NW	5	0	29.83	+16	52	51	-2	NW	4	0	3	63	44	—	
	Nairn ...	29.58	51	NE	2	C	29.83	+24	53	53	+1	NE	2	C	1	63	51	0.22	
	Aberdeen ...	29.53	53	NNW	5	C	29.77	+24	57	53	+4	NNW	3	6c	4	59	50	0.04	
	Leith ...	29.53	59	W	2	0	29.75	+25	58	52	+4	NNE	3	7	*	67	50	0.21	
	Shields ...	29.51	56	W	1	6c	29.61	+11	54	53	+3	N	5	0	5	61	49	0.45	
	Spurn Head ...	29.52	57	W	3	C	29.46	-11	54	53	+2	NNE	3	7	3	60	51	0.05	
	York ...	29.52	61	NNW	1	C	29.57	0	57	54	+4	N	3	0	*	63	46	0.18	
	Loughborough	29.58	59	W	3	6c	29.58	-07	53	51	-1	NNW	3	0	*	62	51	0.20	
BRITISH ISLANDS.	Ardrossan ...	29.58	60	NNW	4	6c	29.78	+22	58	55	+5	NNE	2	6	1	63	52	—	
	Malin Head ...	29.70	53	NNW	5	0	29.86	+16	53	52	+1	N	5	0	3	54	46	0.01	
	Mullaghmore ...	29.80	53	NW	6	0	29.87	+18	54	52	+1	NNW	6	0	5	57	52	—	
	Belmullet ...	29.84	56	NNW	2	0	29.96	+12	54	53	0	N	3	0	*	58	52	0.03	
	Donaghadee ...	29.66	56	NNE	5	C	29.80	+14	57	56	+3	NNE	6	6c	4	60	56	—	
	Liverpool (Bidston)	29.61	55	NNW	5	C	29.66	+06	56	51	+6	NW	4	C	4	58	50	0.17	
	Holyhead ...	29.67	56	NNW	3	C	29.73	+12	56	54	+2	N	5	6c	5	57	51	0.22	
	Parsonstown ...	29.80	58	NW	1	C	29.87	+10	58	52	-1	NW	1	0	*	62	51	0.02	
	Valencia ...	29.91	57	N	4	C	29.98	+10	56	53	-3	N	4	0	4	61	54	0.01	
	Roche's Point...	29.79	60	N	5	6c	29.86	+13	55	51	-3	N	5	C	4	62	53	—	
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.78	58	NNW	3	C	29.77	+08	53	53	-2	NNW	4	C	2	59	42	0.07	
	Scilly ...	29.77	59	NNW	5	6c	29.81	+05	56	53	-1	NNW	6	C	4	61	52	0.04	
	Prawle Point ...	29.68	59	NNW	4	6	29.74	+06	53	53	-2	NW	4	6c	3	59	50	0.05	
	Jersey (St. Aubin's)	29.77	59	NW	5	0	29.74	-15	57	53	-4	NNW	4	C	3	62	53	0.23	
	Hurst Castle ...	29.62	60	W	5	C	29.67	-11	56	53	-3	NNW	3	6c	4	62	50	0.16	
	Dungeness ...	29.59	57	W	5	6	29.61	-14	57	54	-1	NW	5	C	3	61	44	0.27	
	London ...	29.57	56	NNW	3	7	29.61	-11	55	53	-1	NNW	2	C	*	61	47	0.21	
	Oxford ...	29.62	52	NW	1	6	29.62	-08	54	51	-1	NNW	4	C	*	59	49	0.27	
	Cambridge ...	29.61	53	NW	1	7	29.56	-12	56	53	+2	NW	2	C	*	63	46	0.31	
	Yarmouth ...	29.52	53	W	2	6c	29.51	-13	53	53	+3	W	2	C	2	58	44	0.51	
GERMANY & HOLLAND.	Cuxhaven ...	29.70	57	NW	3	0	29.63	-05	57	56	+1	S	3	6c	*	63	56	—	
	Berlin ...	29.77	63	N	1	6	29.80	+04	60	57	0	SE	1	C	*	70	54	—	
	Wiesbaden ...	*	*	*	*	*	29.75	-07	54	52	-4	NW	2	0	*	68	44	0.20	
	Munich ...	29.87	60	S	2	0	29.87	-03	52	52	-7	2	0	7	*	64	53	0.28	
	The Helder ...	29.85	58	NW	3	7	29.86	-11	57	55	0	S	1	6c	1	57	53	0.16	
	Brussels (9 a.m.)	29.63	*	*	*	*	29.61	-19	57	53	+1	NNW	2	0	*	64	52	0.20	
	Cape Gris Nez	29.62	62	NW	2	0	29.62	-15	55	51	-2	NNW	4	6c	5	57	52	0.39	
	Paris ...	29.72	62	NW	2	0	29.71	-22	58	56	+5	NW	2	C	*	70	52	—	
	Brest ...	29.72	59	W	4	0	29.72	?	57	55	0	NNW	2	C	2	59	54	0.12	
	Lorient ...	29.87	61	W	6	0	29.84	-16	56	53	-3	NW	3	C	3	64	54	0.04	
FRANCE AND BELGIUM.	Rochefort ...	29.55	65	W	5	6c	29.80	-19	62	57	+4	NNW	4	C	2	72	57	0.32	
	Belfort ...	29.50	59	W	3	C	29.89	-05	59	54	-2	W	4	C	*	68	44	—	
	Lyons ...	29.91	65	N	3	6c	29.87	-04	59	54	-5	NNE	1	C	*	72	58	—	
	Nice ...	29.72	67	NW	2	6c	29.71	-09	62	60	-1	NNW	2	6	1	77	57	0.12	
	Perpignan ...	29.91	71	NW	4	6	29.86	0	66	58	+6	NW	2	6	*	73	58	0.20	
	Biarritz ...	30.08	66	W	4	C	29.97	-10	64	58	-1	NW	4	C	2	72	57	0.04	
	Corunna ...	30.12	*	*	*	*	30.10	-02	64	58	0	N	4	6	2	75	61	—	
	Lisbon ...	30.12	66	N	5	6	30.10	-02	64	58	0	N	4	6	2	75	61	—	
	Peninsula																		

WEATHER CHARTS

for 8 a.m. on Thursday, 30th July, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER Isotherms 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 the feathers and barbs refer to force thus—

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

SEA DISTURBANCE—Where considerable, is shown thus:

— Rough. — High.

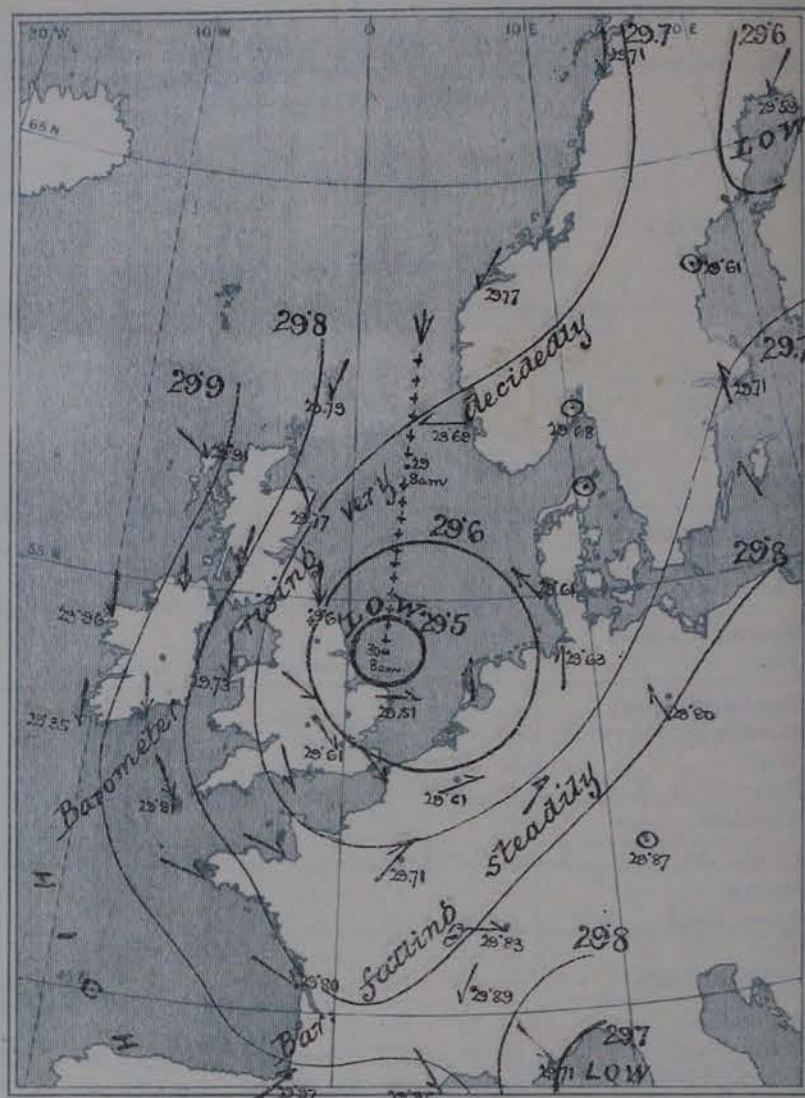
MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the
20 years 1871-90.

STATIONS.

READINGS.

Sumburgh Head	29.784
Stornoway	29.795
Wick	29.800
Nairn	29.815
Aberdeen	29.826
Leith	29.844
Shields	29.807
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Roche's Point	29.932
Pembroke	29.936
Scilly	29.974
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	53.5	53.5	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	61.3	50.0	56.7	53.3	2.39
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	60.7	51.2	58.4	54.9	2.83
Shields	61.1	52.2	58.3	53.0	2.66
Spurn Head	63.1	55.2	59.5	59.8	1.74
York	68.7	51.9	59.2	55.9	2.70
Loughborough	71.5	52.6	61.4	57.6	2.34
Ardrossan	63.5	52.8	57.3	51.6	2.91
Mullaghmore	62.9	51.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	55.5	2.82
Holyhead	63.8	54.3	58.1	55.8	2.49
Liverpool	65.9	51.2	59.4	55.6	2.96
Parsonstown	65.4	51.5	58.1	51.8	2.96
Valencia	61.0	53.6	58.9	50.4	3.90
Roche's Point	66.1	53.2	58.8	55.9	3.23
Pembroke	62.5	54.8	58.0	50.9	2.51
Scilly	61.4	56.2	60.2	58.1	2.46
Prawle Point	64.5	53.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.24
Dover	66.8	56.3	61.9	58.1	1.03
LONDON	72.4	54.0	62.0	57.8	2.38
Oxford	69.6	53.4	60.0	56.6	2.58
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	66.6	54.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins. and more, over the southeastern half of Spain, 29.9 ins. and more in the west of Ireland, 29.7 ins. and more over the Baltic.
 Lowest, 29.5 ins. and less, in a depression off our northeast coast, and 29.7 ins. and less, over the Gulf of Genoa.
 Gradients somewhat decided over our Islands.
 Barometer rising in the west, falling slowly in the southeast.

TEMPERATURE

Highest, 64° to 67° in the south of France, 60° to 62° in Sweden.
 Lowest, 52° at Wick, 53° at Malin Head and Loughborough, 54° at Belmullet, Shields and Oxford.
 It has again been very low for the time of year, especially over the southeastern and midland counties of England.

WIND

Chiefly N³ in Ireland and Scotland, and moderate to fresh in force; NW and moderate over our Midland and Southern counties; SW in the Netherlands, S to SE in Denmark; E at Rudesnals.
 There was a gale from W. in the Straits of Dover last night.

WEATHER

Unsettled generally; cloudy in Ireland, rain over many parts of Great Britain, with a thundery appearance in places.
 Rainfall has been greatest over England and France, but not very heavy at any station.
 Thunderstorms have occurred in very many places.

SEA

Rather rough on many exposed parts of our coast, slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The weather over Great Britain, France, and the North Sea continues in a very unsettled condition generally, but that over Ireland is better. The depression noticed yesterday has reached the coast of Lincolnshire, and cold NW to N³ breezes prevail on all our coasts, but are of moderate force. Heavy passing showers are very prevalent with thunder at times. The general appearance is favourable for a gradual improvement, after today.

FORECASTS

For the 24 hours ending at NOON on 31st July 1891.

DISTRICTS.

FORECASTS.

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

N³ winds, moderate to light; some
 NW³ and N³ winds, moderate; sharp
 passing showers, some thunder. Very cold
 tonight.

DISTRICTS.

FORECASTS.

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

N³ breezes, fresh to moderate;
 showers, cold tonight.

N³ breezes, moderate to light, fair as
 a whole. Very 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 ...	29.57	61	57	SE	6	c	4	Holyhead ...	29.67	57	53	NNW	2	bc	2
Sumburgh Head ...	29.54	58	56	NNW	2	c	4	Valencia ...	29.87	61	55	N	5	cq	5
Stornoway ...	29.68	52	52	N	6	c	6	Scilly ...	29.77	60	58	NNW	5	p	4
Aberdeen ...	29.49	53	51	NW	6	cq	5	Jersey ...	29.84	61	55	WNW	6	omg	5
Shields ...	29.50	60	54	NW	3	p	3	Dungeness ...	29.66	60	56	W	8	cq	6
Ardrossan ...	29.58	62	57	WNW	5	bc	3	London ...	29.65	60	57	SW	3	o	8
Malin Head ...	29.70	52	50	NNW	5	o	3	Yarmouth ...	29.58	56	55	SW	2	of	3
Mullaghmore ...	29.79	57	52	NNW	6	c	4	Rocheport ...	30.01	70	60	NNW	4	bc	?
Belmullet ...	29.85	57	53	NNW	3	o	*								

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

Weather cloudy or overcast in all but the southern countries, with rain at several of the English and German stations as well as at Helsingfors, Gaarder and Stornoway. Thunderstorms reported in morning at Perpignan. Showers falling during day in several parts of Western Europe, and thunderstorms occurring over England.

Temperature highest 81° at Genoa, 80° at Algiers, 78° at Brindisi and 77° at Oran, Palermo and La Calle; above 70° in most parts of southern Europe. Lowest 50° at Stornoway and Liverpool, 51° at Leth and Shields, and 52° at Archangel, Spinn Hl, Malin Hl and Yarmouth; below 55° in all the more northern and eastern parts of the United Kingdom, and below 60° in the southwest, as well as at many of the French and German stations. Thermometer over our Islands remaining below 65° all day excepting at Leth where it reached 67°. Exceeding 70° at several of the French stations.

Wind moderate to fresh from the N^W or N^WW in Ireland and Scotland, as well as over the Bay of Biscay and the western part of the Spanish Peninsula. W¹ or SW¹ over England, the Netherlands, North Germany, and the Baltic; strong in force at the Channel stations. SE¹ over Finland and the south of Norway; E¹ or NE¹ in the north of Scandinavia. Variable in Austria light from the E¹ in Italy; S¹ in Algeria. W¹ wind subsequently increasing to a gale in Straits of Dover; no important change elsewhere.

Barometer highest 30.1 ins. and upwards in an anticyclone extending from the Atlantic over the western part of the Iberian Peninsula. Lowest 29.4 ins. and less in a well marked depression lying between the coasts of Scotland and Norway; 29.5 ins. and less in another disturbance lying off the west of Norway; 29.8 ins. and less in a shallow system lying over the Gulf of Genoa. Depression over North Sea moving slowly in a south southwesterly direction during day; barometer rising over the northern 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 31st July.* 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 ...	29.76	53	NE	2	6	29.84	+25	52	44	-8	NE	4	0	*	54	46	—		
	Hernösand ...	29.68	62	2	0	6	29.76	+15	64	61	+4	E NE	2	6	*	77	52	—		
	Stockholm ...	29.76	60	S	2	6	29.81	+10	64	58	+4	W	2	6	*	68	53	—		
	Wisby ...	29.80	55	SW	4	6	29.84	+13	63	53	+1	N	4	6	*	66	54	—		
	Bodö ...	29.75	51	WNW	2	6	29.80	+29	51	48	-1	2	0	6	1	52	45	—		
	Christiansund	29.84	53	NE	3	C	29.81	+04	54	48	+1	NE	3	C	3	55	50	—		
	Skudesnaes ...	29.71	55	WNW	2	6	29.81	+12	61	57	0	WNW	2	C	2	68	55	—		
	Christiania Fjord (Færder)	29.75	61	SW	3	6	29.80	+12	65	61	+4	S	2	6	2	?	61	—		
	Skagen (The Scaw)	29.74	62	SE	1	6	29.78	?	65	63	+6	SE	1	6	0	68	59	—		
	Fanö ...	29.67	56	E	4	7	29.75	+14	60	59	+5	SE	3	6	*	63	52	0.16		
BRITISH ISLANDS.	Sumburgh Head	29.83	51	NNE	2	0	29.50	+11	45	46	-5	WNW	1	0	3	58	47	—		
	Stornoway ...	29.55	52	N	3	0	29.57	+06	53	52	+1	SW	2	0	3	53	45	0.04		
	Wick ...	29.53	57	NW	3	0	29.58	+12	45	47	-3	N	3	0	2	53	46	—		
	Nairn ...	29.51	56	NNE	2	C	29.57	+14	53	48	-5	2	0	C	2	63	46	0.02		
	Aberdeen ...	29.88	54	WNW	4	0	29.78	+21	50	47	-7	NW	3	C	3	60	48	0.01		
	Leith ...	29.86	60	NNE	2	6	29.56	+21	53	51	-2	E	2	0	*	66	52	—		
	Shields ...	29.78	58	WNW	5	6	29.51	+30	51	50	-3	WNW	4	0	4	55	49	0.14		
	Spurn Head ...	29.66	57	N	3	C	29.82	+86	57	55	+3	NNE	3	6	3	60	57	0.23		
	York ...	29.70	53	N	1	7	29.88	+31	55	53	-2	NNE	2	0	*	60	48	0.44		
	Loughborough	29.71	56	NW	2	0	29.87	+25	56	53	+3	WNW	4	0	*	64	51	0.24		
GERMANY & HOLLAND.	Ardrossan ...	29.85	66	NW	2	6	29.56	+18	57	55	-1	W	3	0	2	70	47	—		
	Malin Head ...	29.75	54	WNW	4	0	29.04	+18	52	48	-1	WNW	4	0	2	56	50	—		
	Mullaghmore ...	29.01	58	N	5	0	29.07	+18	52	50	0	NW	5	0	3	60	51	—		
	Belmullet ...	29.05	58	N	3	0	29.08	+12	53	53	+1	WNW	1	0	*	57	52	0.02		
	Donaghadee ..	29.88	61	NNE	5	6	29.01	+21	53	52	-4	NNE	5	0	3	64	52	—		
	Liverpool (Bidston)	29.80	58	N	3	0	29.54	+28	58	53	+4	WNW	3	6	3	63	53	0.04		
	Holyhead ...	29.85	58	N	5	6	29.58	+25	54	53	-2	N	5	0	5	55	54	—		
	Parsonstown ...	29.96	62	NW	1	6	29.08	+21	51	50	-4	2	0	7	64	51	0.02			
	Valencia ...	29.05	57	WNW	3	0	29.14	+16	53	52	-1	WNW	2	0	3	58	53	—		
	Roche's Point...	29.54	61	N	5	6	29.05	+19	56	51	+1	NNE	5	6	4	62	53	—		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.85	58	WNW	4	0	29.55	+22	56	53	+1	N	3	C	2	61	53	—		
	Scilly ...	29.50	60	N	5	6	29.01	+20	58	55	+2	WNW	5	6	4	60	53	0.01		
	Prawle Point ...	29.80	61	WNW	3	C	29.54	+20	55	57	+4	NW	3	6	2	68	51	—		
	Jersey (St. Aubin's)	29.75	60	WNW	4	6	29.50	+16	55	54	+2	WNW	3	6	3	63	53	0.01		
	Hurst Castle ...	29.73	56	WNW	3	C	29.86	+19	55	54	-1	N	4	mc	3	66	53	0.10		
	Dungeness ...	29.62	58	WNW	5	C	29.76	+15	53	52	-4	WNW	4	mc	3	62	48	0.33		
	London ...	29.65	58	NW	1	C	29.82	+21	58	53	+3	WNW	2	C	*	60	50	0.21		
	Oxford ...	29.74	54	NW	2	0	29.87	+25	52	51	-2	NW	2	7	*	61	52	0.10		
	Cambridge ...	29.68	57	W	2	6	29.83	+27	58	56	+2	N	1	C	*	60	47	0.09		
	Yarmouth ...	29.61	58	E	3	6	29.76	+25	57	54	+2	NE	4	C	5	?	52	0.26		
PENINSULA.	Cuxhaven ...	29.66	57	S	1	6	29.76	+13	56	55	-1	S	2	mc	*	64	53	0.16		
	Berlin ...	29.76	67	SE	1	6	29.83	+03	64	59	+4	WNW	1	C	*	73	57	—		
	Wiesbaden ...	29.88	*	*	*	*	29.84	+09	58	56	+4	W	2	0	*	66	54	0.12		
	Munich ...	29.88	56	S	1	6	29.93	+06	59	53	+7	2	0	*	64	46	0.04			
	The Helder ...	29.67	59	SE	1	6	29.71	+15	58	55	+1	SE	1	6	1	63	52	—		
	Brussels (9 a.m.)	*	*	*	*	*	29.74	+12	52	52	-1	NW	4	7	*	55	52	0.24		
	Cape Gris Nez	29.61	58	WNW	5	C	29.85	+14	53	52	-5	SW	2	0	*	67	50	0.04		
	Paris ...	29.76	58	SW	1	C	29.85	+14	58	57	+1	WNW	2	6	2	63	54	0.04		
	Brest ...	29.86	61	NW	4	6	29.55	+11	58	53	0	WNW	3	6	3	61	54	—		
	Lorient ...	29.86	61	NW	4	6	29.55	+11	58	53	0	WNW	3	6	3	61	54	—		
FRANCE AND BELGIUM.	Rochefort ...	29.84	64	WNW	4	C	29.83	+09	58	55	-4	N	4	6	2	68	54	—		
	Belfort ...	29.81	61	W	3	C	29.86	+03	59	55	0	W	3	C	*	77	48	0.20		
	Lyons ...	29.82	65	SW	2	C	29.82	+03	61	54	+2	N	1	C	*	75	56	—		
	Nice ...	29.71	73	SE	6	6	29.87	+16	65	59	+2	SW	1	C	1	82	55	—		
	Perpignan ...	29.92	65	S	2	0	29.96	0.0	60	60	-6	W	2	7	*	81	66	0.05		
	Biarritz ...	29.50	66	WNW	3	0	29.50	-07	61	59	-5	WNW	4	7	2	72	59	0.04		
PENINSULA.	Corunna ...	29.03	*	*	*	*	29.01	-02	62	56	-2	N	5	6	3	72	59	—		
	Lisbon ...	29.03	66	N	3	C	29.01	-02	62	56	-2	N	5	6	3	72	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 Friday, 31st July, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER Isotherms 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

the number and feathers refer to force thus

→ forces above 10 → forces 8 to 10.

→ forces 5 to 7 → forces 1 to 4.

→ of calm.

SEA DISTURBANCE—Where considerable, is shown thus:

— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

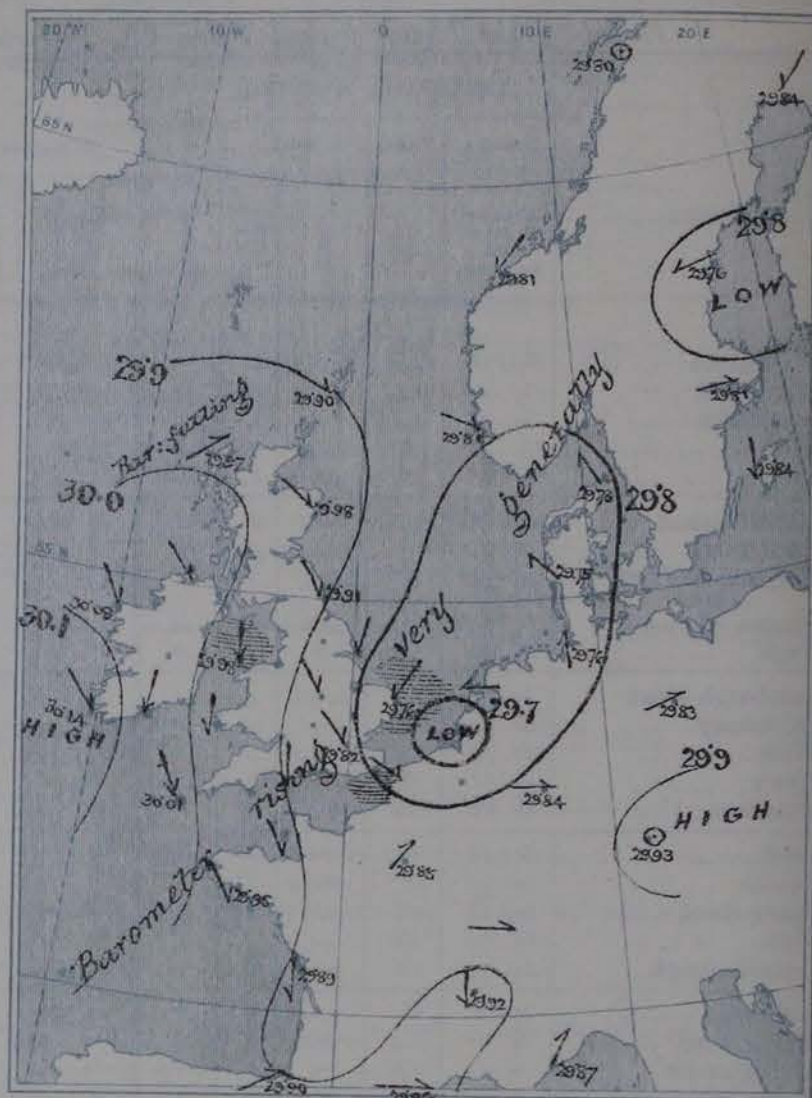
at 8 a.m. for the month of July

During the 20 years, 1871-1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.781
Stornoway	29.795
Wick	29.806
Nairn	29.815
Aberdeen	29.826
Leith	29.841
Shields	29.867
Spurn Head	29.900
York	29.901
Loughborough	29.928
Ardrossan	29.856
Mullaghmore	29.869
Donaghadee	29.877
Holyhead	29.910
Liverpool	29.906
Parsonstown	29.913
Valencia	29.935
Rocha's Point	29.982
Pembroke	29.936
Scilly	29.971
Prawle Point	29.987
Jersey	30.001
Hurst Castle	29.968
Dover	29.957
LONDON	29.957
Oxford	29.946
Cambridge	29.937
Yarmouth	29.929



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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of July.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 4 p.m.	
Sumburgh Head	57.4	48.0	53.1	51.5	2.27
Stornoway	60.2	48.9	55.5	53.6	3.02
Wick	61.8	48.7	55.8	53.5	2.34
Nairn	64.3	50.9	56.7	54.3	2.59
Aberdeen	63.9	50.6	57.5	53.9	2.78
Leith	66.7	51.2	58.4	54.9	2.85
Shields	64.1	52.2	58.3	55.0	2.66
Spurn Head	65.1	53.2	59.5	56.8	1.74
York	68.7	51.0	60.2	56.9	2.70
Loughborough	71.5	52.0	61.1	57.6	2.81
Ardrossan	55.3	52.8	57.3	54.6	2.91
Mullaghmore	62.9	54.0	57.2	54.4	3.72
Donaghadee	63.2	51.8	57.4	53.5	2.82
Holyhead	64.8	54.6	58.1	55.8	2.40
Liverpool	65.9	51.2	59.4	55.6	2.95
Parsonstown	66.4	51.5	58.1	54.8	2.90
Valencia	64.0	53.6	58.9	56.1	3.90
Rocha's Point	66.1	53.2	58.8	56.0	3.29
Pembroke	62.5	54.8	58.0	56.0	2.51
Scilly	63.1	56.2	60.2	58.1	2.46
Prawle Point	64.5	55.7	59.6	57.3	2.24
Jersey	68.3	56.2	62.0	58.9	2.40
Hurst Castle	67.8	55.5	61.1	58.8	2.21
Dover	66.8	56.3	61.0	58.1	1.90
LONDON	72.4	54.6	62.0	57.3	2.38
Oxford	69.0	53.4	60.0	56.6	2.38
Cambridge	71.9	52.2	61.3	57.7	2.42
Yarmouth	68.0	54.9	60.9	57.8	2.85

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in: and more to 30.0 in: over Ireland, the Scilly Islands, Portugal, and the adjacent parts of the Atlantic.
 Lowest, about 29.7 in: in a depression over Holland; 29.8 in: and less, over the southern half of the Gulf of Bothnia.
 Gradients moderate for N. winds over the United Kingdom.
 Barometer rising in most places, but a fresh fall appears to be settling in over the Heligoland.

TEMPERATURE

Highest, 69° at Nice, 64° at Berlin, Stockholm and Helsingfors.
 Lowest, 49° to 50° in the north and east of Scotland, 51° at Larne, 52° at Oxford, 53° at Paris, 58° in London.
 It has been as low as 45° to 48° over the northern and inland parts of the Kingdom during the night, and 50° in London.

WIND

N¹ to NW¹ over our Islands, as a whole, the Channel and Bay of Biscay, and moderate to light in force;
 W¹ and SW¹ over Germany and the east of France. S¹ in Denmark.
 At Stornoway it has already backed to SW, but is extremely light.

WEATHER

Fine at some of the southern stations, but still unsettled and cloudy, as a whole, with rain in some parts of Ireland and England. The rainfall yesterday was slight over our western and northwestern districts, considerable in the east and south. Thunder and lightning prevailed very generally in the south and east.

SEA

Rather rough at Yarmouth and Cape Gris Nez, moderate or slight elsewhere, and inclined to go down.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which has ^{been} moving southwards over the North Sea during the past few days, now lies over Holland and is apparently filling up quickly. The barometer has consequently risen considerably, over the United Kingdom, the N¹ wind has moderated and become general, and temperature has remained low; the weather shows signs of improving in most places. Although finer conditions are likely to prevail over England today and tomorrow, the appearance is not settled.

FORECASTS

For the 24 hours ending at NOON on 1ST August 1891.

DISTRICTS.

FORECASTS.

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

SW² breezes, freshening; showery.

Wind backing to W. or SW¹; fine and warm, showery later.

N³ and NW² winds, light; perhaps a shower or two today, finer and warmer later, but not settled.

DISTRICTS.

FORECASTS.

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

Same as N^o 0.

Same as N^o 3 to 5.

Same as N^o 0.

Same as N^o 3 to 5.

WARNINGS

NONE ISSUED.

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

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

ERRATUM. The forecast for Districts 0 and 1, issued in yesterday's report should have been "N² winds, moderate or light; some showers, very cold tonight."

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:	D.	W.	D.	F.	WEA.	SEA		BAR:	THER:	D.	W.	D.	F.	WEA.	SEA
Skudesnaes ...	29.71	58	60	WNW	4	6	2		Holyhead ...	29.82	58	58	WNW	5	6	2	
Sumburgh Head ...	29.85	57	57	NNE	3	0	4		Valencia ...	29.85	58	58	WNW	3	0	3	
Stornoway ...	29.97	52	52	N	4	0	4		Scilly ...	29.87	58	58	WNW	5	6	4	
Aberdeen ...	29.86	58	58	NW	4	6	4		Jersey ...	29.78	62	56	WNW	4	6	4	
Shields ...	29.72	58	54	N	5	7	5		Dungeness ...	29.61	58	57	W	5	7	4	
Ardrossan ...	29.84	67	62	NW	2	6	1		London ...	29.62	60	54	WNW	3	0	8	
Malin Head ...	29.53	56	53	N	4	0	3		Yarmouth ...	29.56	57	53	W	2	0	3	
Mullaghmore ...	29.56	55	56	WNW	6	0	4		Rochefort ...	29.83	66	59	WNW	4	0	3	
Belmullet ...	29.02	56	53	N	4	0	*										

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

Weather cloudy and changeable over nearly the whole of central and northwestern Europe, with rain in many parts of Great Britain as well as in western and southern Germany, and some parts of Finland and Sweden. Fine over the southern countries and also in Russia. Showers falling during the day over the whole of Great Britain, Germany, and France, and thunderstorms occurring at several of the English stations.

Temperature highest 82° at Malta, 81° at Athinisi and Ipat, 80° at La Cote, and 78° at Palma; above 70° over southern and eastern Europe generally, but below that point over Spain and the south of France. Lowest 52° at Rodez, Stornoway, Wick, and Munich, and 53° at Christiansund, Malin Hd. and Loughborough, and below 55° in many parts of the United Kingdom, and below 60° over central France and western and south Germany. Daily maxima below 65° in nearly all parts of our Islands, and below 60° at several of the coast stations, but thermometer exceeding 70° over Central France, and exceeding 80° in the south of that country.

Wind moderate from NE. in Norway; and moderate to strong from N. or NW. over our Islands, and the western parts of France and Spain, light from SW. or S. over the Netherlands and central France. SE. over Denmark and the south of Sweden. Chiefly W. or SW. in Italy, light from the S. in Russia, variable over Austria and South Germany. No important change occurring later.

Barometer highest 30.1 in. and upwards, in an anticyclone lying to the southwestward of the Spanish Peninsula; 29.9 in. and upwards over the Black Sea and the south of Russia. Lowest 29.5 in. and less, in a well marked depression lying off the east of England; 29.6 in. and less, in another system lying over the northern part of the Gulf of Bothnia; 29.7 in. and less, in three small disturbances lying respectively over the Baltic Provinces, Central Russia, and the Gulf of Genoa. Depression off our east coast subsequently moving slowly southward and 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.

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.		
				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.			
1	Spurn Head.	29.75	66	SSW	3	c	29.76	+0.4	65	59	+1	SSW	3	b	3	68	58			
"	Brussels	*	*	*	*	*	29.82	-1.0	64	64	-3	ESE	2	t	*	74	62	0.24		
"	Corunna	*	*	*	*	*	29.95	+0.6	68	66	+2	SSW	1	c	2	73	59	0.12		
2	Spurn Head.	29.67	57	E	3	t	29.80	+0.4	60	55	-5	WSW	4	b	3	67	54	0.27		
"	Corunna	*	*	*	*	*	30.05	+1.0	71	67	+3	SW	2	c	2	72	55	0.08		
3	Corunna	*	*	*	*	*	30.10	+0.5	67	65	-4	W	2	c	1	75	54	-		
4	Corunna	*	*	*	*	*	30.25	+1.5	68	64	+1	SW	2	b	1	72	50	-		
6	Corunna	*	*	*	*	*	30.05	-1.3	69	67	+1	W	1	0	2	73	61	-		
7	Corunna	*	*	*	*	*	30.09	+0.5	68	66	-1	W	1	0	1	73	54	-		
8	Corunna	*	*	*	*	*	30.05	-0.4	67	66	-1	N	5	b	2	75	63	-		
9	Corunna	*	*	*	*	*	30.08	+0.3	65	64	-2	N	6	bc	2	70	61	-		
11	Rochefort.	30.03	76	EHE	3	c	30.05	-0.4	60	-	+1	EHE	3	b	2	86	57	-		
"	Corunna	*	*	*	*	*	30.15	+1.7	68	64	+3	E	1	b	2	72	55	-		
14	Corunna	*	*	*	*	*	29.85	-1.5	72	66	+5	SE	6	b	2	73	63	-		
15	Corunna	*	*	*	*	*	29.92	+0.7	72	68	0	E	2	m	1	82	59	-		
16	Brussels	*	*	*	*	*	29.91	-1.0	58	-	0	SW	4	0	*	70	52	-		
"	Corunna	*	*	*	*	*	29.87	-0.5	70	64	-2	S	1	0	4	82	66	-		
17	Tanö	29.82	61	SSW	2	c	29.89	+2.6	64	-	+1	SSE	4	c	*	72	59	0.16		
"	Corunna	*	*	*	*	*	29.93	+0.6	72	66	+2	SW	5	bc	1	75	57	0.51		
18	Bodö	30.16	68	Z	0	b	30.11	-1.2	70	59	0	E	2	b	1	77	59	-		
"	Christiansund	30.04	76	SSE	3	c	30.12	+0.7	66	59	-6	NW	1	b	1	82	64	-		
"	Corunna	*	*	*	*	*	30.07	-1.4	66	64	-6	NW	5	c	2	79	59	0.04		
20	Corunna	*	*	*	*	*	30.22	-0.8	68	66	-1	SE	3	0	4	84	52	1.58		
21	Bodö	29.88	71	Z	0	b	30.01	+0.9	55	53	-19	W	2	0	1	82	54	0.04		
"	Corunna	*	*	*	*	*	30.17	-0.5	66	65	-2	NE	4	b	2	82	66	-		
22	Brussels	*	*	*	*	*	29.95	-1.7	60	-	-7	SW	3	0	*	73	55	0.04		
"	Corunna	*	*	*	*	*	30.15	-0.2	66	64	0	NNE	5	0	2	77	61	0.04		
23	Rochefort.	30.07	65	W	4	0	30.12	+0.5	59	-	-7	NE	4	0	2	70	55	-		
"	Corunna	*	*	*	*	*	30.19	+0.4	66	-	0	NE	6	c	4	73	59	-		
24	Brussels	*	*	*	*	*	30.00	+0.5	58	-	+2	W	2	0	*	64	54	0.39		
"	Corunna	*	*	*	*	*	30.22	+0.3	65	62	-1	NE	6	b	2	68	59	-		
25	Corunna	*	*	*	*	*	30.21	-0.1	69	65	+4	NE	3	b	2	72	59	-		
26	Brussels	*	*	*	*	*	30.13	+0.2	62	-	0	WSW	1	bc	*	69	54	-		
27	Corunna	*	*	*	*	*	30.05	+0.3	67	-	-3	NW	5	0	4	72	59	-		
28	Corunna	*	*	*	*	*	30.03	-0.2	64	62	-3	NW	4	0	4	68	61	-		
29	Corunna	*	*	*	*	*	30.13	+1.0	64	60	0	NW	5	0	2	68	59	-		
30	Corunna	*	*	*	*	*	29.99	-1.4	64	63	0	NW	4	0	4	66	57	0.08		
31	Brussels	*	*	*	*	*	29.76	+1.5	53	-	-4	SW	3	t	*	64	48	0.12		
"	Corunna	*	*	*	*	*	30.04	+0.5	64	61	0	NW	5	c	4	66	54	0.04		

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 9.)	SHADE TEMP.		Amount of Rainfall.
				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.	
1	Prawle Point.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04
-	Aberdeen 2pm.	-	-	-	-	-	-	-	-	-	55	-	-	-	-	-	-	-
2	Stornoway.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-	-
4	Valencia.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04
5	Malin Head.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-
7	Hurst Castle.....	-	-	-	-	-	-	29.75	-	-	-	-	-	-	-	-	-	-
9	Belmullet.....	30.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Pembroke.....	-	-	-	-	-	-	30.19	+ 11	-	-	-	-	-	-	-	-	-
-	Bungness.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	755	-	-
13	Loughborough.....	-	-	-	-	-	-	30.21	-	-	-	-	-	-	-	-	-	-
-	Pembroke.....	-	-	-	-	-	-	-	-	58	-	+ 2	-	-	-	-	-	-
15	Prawle Point.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	-	-
-	Aberdeen 2pm.	-	-	-	-	-	-	-	-	-	-	-	NW	-	-	-	-	-
16	Aberdeen.....	30.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	Cambridge.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37
19	Valencia.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37
-	Roche's Point.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.45
-	Pembroke.....	-	-	-	-	-	-	29.89	- .01	-	-	-	-	-	-	-	-	-
22	Pembroke.....	-	-	-	-	-	-	29.90	- .08	-	-	-	-	-	-	-	-	-
-	London.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07
23	Parsonstown.....	-	-	-	-	-	-	-	-	56	52	- 1	-	-	-	-	-	-
24	Mairn.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05
-	Belmullet.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06
-	Jersey 2pm.	-	-	-	-	-	-	30.22	-	64	61	-	-	-	-	-	-	-
25	Sumburgh Hd.....	29.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Pembroke.....	-	-	-	-	-	-	30.21	+ 29	-	-	-	-	-	-	-	-	-
-	Jersey.....	30.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	Valencia.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
-	Garmouth.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	-	-
28	Jersey.....	-	64	-	-	-	-	-	-	64	-	0	-	-	-	-	-	-
30	Donaghadee.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	752	-	-
-	Pembroke.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	-	-
31	Garmouth.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	758	-	-