

METEOROLOGICAL JOURNAL,

KEPT BY THE ASSISTANT SECRETARY,

AT THE APARTMENTS OF THE

ROYAL SOCIETY,

BY ORDER OF

THE PRESIDENT AND COUNCIL.

OBSERVANDA.

Height of the Cistern of the Barometer above the plinth at Waterloo Bridge....83 feet 2 inches.

_____ above the mean level of the sea97 feet.

Height of the receiver of the Rain Gauge above the court of Somerset House . . .79 feet.

The External Thermometer is 2 feet higher than the Barometer Cistern.

The Thermometers are graduated to Fahrenheit's scale.

The Barometer is divided into inches and tenths.

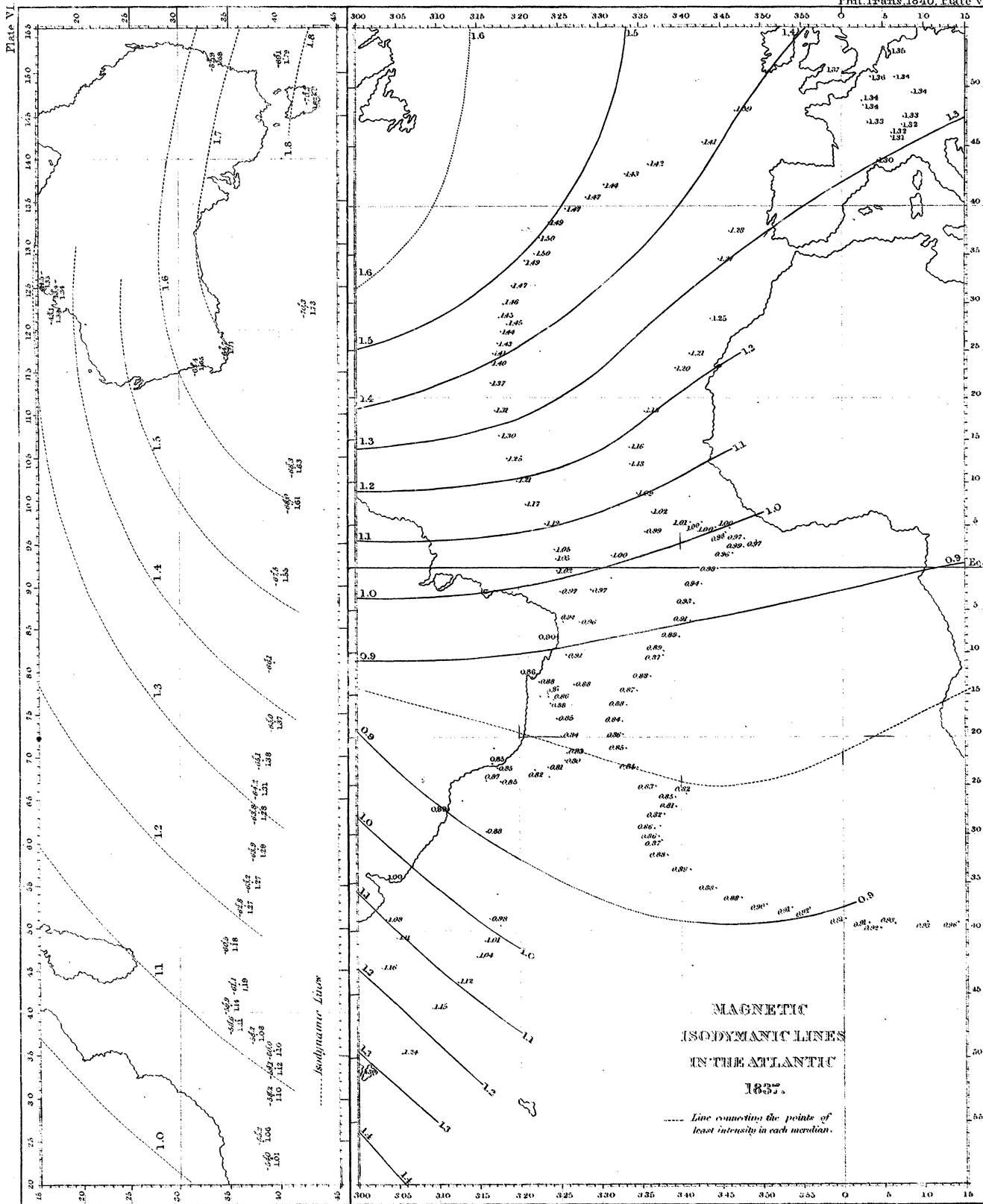
The Hours of Observation are of Mean Time, the day beginning at Midnight.

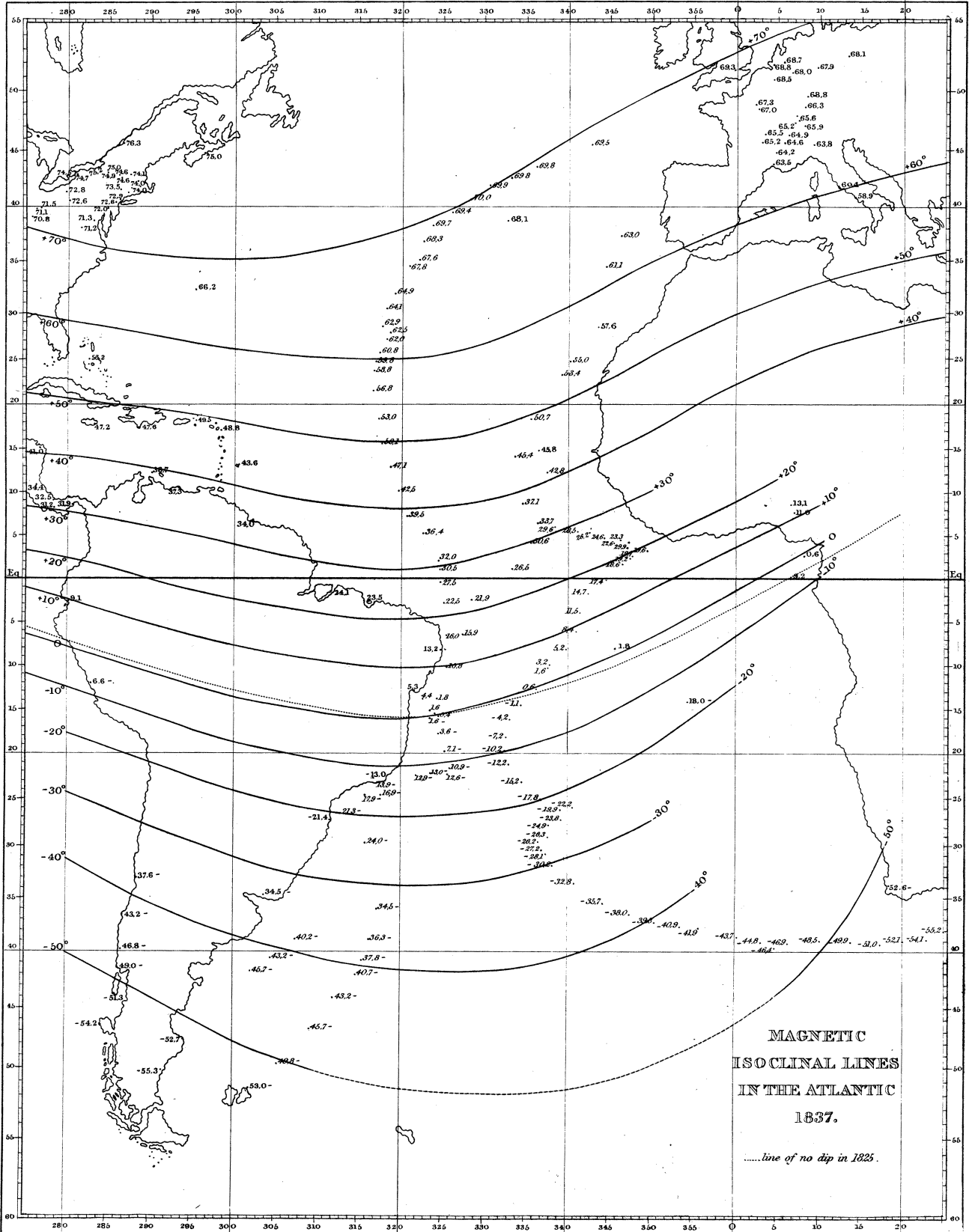
The *daily* observations of the Barometer are *not* corrected.

The *monthly means* are corrected for capillarity and temperature by the Table contained in Mr. Baily's paper in *Phil. Trans.* for 1837.

METEOROLOGICAL JOURNAL FOR JULY AND AUGUST, 1839.

1839.	9 o'clock, A.M.			3 o'clock, P.M.			Dew Point at 9 A.M., deg. Fahr.	Diff. of Wet and Dry Bulb Thermometer.	External Thermometers.				Rain in inches Read off at 9 A.M.	Direction of the Wind at 9 A.M.	REMARKS.				
	Barometer uncorrected.		Att. Ther.	Barometer uncorrected.		Att. Ther.			Fahrenheit.		Self-registering								
	Flint Glass.	Crown Glass.		Flint Glass.	Crown Glass.				9 A.M.	3 P.M.	Lowest	Highest							
			Sum.																
														9 A.M. 3 P.M.					
														F. 29.838 .. 29.821					
														C. 29.831 .. 29.814					
JULY	M 1	30.312	30.304	58.2	30.308	30.302	60.4	46	06.3	55.2	61.8	48.6	55.5		N	{ A.M. Cloudy—light brisk wind. P.M. Fine—light clouds & wind.			
	AUGUST	T 1	29.974	29.970	68.6	30.036	30.030	63.7	57	07.1	60.6	68.4	54.4	66.4	.213	W	A.M. Cloudy—lt. breeze. P.M. Fine—lt. clouds. Ev. Fine & clear.		
		F 2	30.120	30.116	80.0	30.074	30.066	66.5	59	08.2	65.3	73.8	56.2	76.2		S	Fine & cloudless—light breeze throughout the day. Ev. Light fog.		
		S 3	30.096	30.092	74.2	30.104	30.098	69.5	61	08.8	68.8	78.3	59.9	74.4		NNW	Fine and cloudless throughout the day. Evening, Fine—light clouds.		
		○ 4	30.222	30.216	66.6	30.246	30.242	70.0	61	05.6	62.0	70.4	61.3	78.6		NNW	{ Fine—light clouds and breeze throughout the day. Evening, Fine & clear.		
		M 5	30.348	30.344	74.4	30.300	30.294	68.4	59	08.8	61.8	68.8	52.6	71.0		NW	{ Fine and cloudless—light breeze throughout the day. Evening, Fine & clear.		
		T 6	30.228	30.222	77.0	30.156	30.148	69.8	60	08.3	65.5	70.4	56.4	71.3		S	A.M. Fine—lt. clouds & breeze. P.M. Cloudy. Ev. Fine & clear.		
		W 7	29.844	29.838	65.6	29.766	29.760	66.8	59	06.9	63.4	63.8	60.0	71.7		SSW	A.M. Cloudy—lt. breeze. P.M. Fine—lt. clouds & wind. Ev. Overcast—p. 10 heavy rain, with thunder & lightning, for 15 min.		
		T 8	29.998	29.992	74.4	30.050	30.044	68.3	60	07.5	61.2	65.7	53.7	71.2	.288	NW	Fine—light clouds and breeze throughout the day. Ev. Fine & clear.		
		○ 9	30.188	30.182	77.6	30.136	30.130	68.3	59	07.1	64.0	69.3	53.9	76.3		SSW	Fine—light clouds and breeze throughout the day. Evening, Cloudy.		
		S 10	30.152	30.146	76.9	30.082	30.076	68.3	60	06.0	64.6	69.7	56.2	71.3		SW	{ A.M. Cloudy—light breeze. P.M. Fine—light clouds. Evening, Fine & clear.		
		○ 11	30.060	30.052	71.0	30.104	30.098	66.9	59	08.2	63.7	65.8	55.9	70.2		SW var.	A.M. Cloudy—brisk wind. P.M. Fine—light clouds and wind—(rainbow). Evening, Fine and clear.		
		M 12	30.314	30.306	68.7	30.280	30.276	61.8	57	06.6	59.3	63.6	53.2	67.0		NW	Cloudy—light breeze throughout the day. Evening, The same.		
		T 13	30.208	30.200	66.8	30.144	30.136	64.6	50	07.4	58.3	64.8	53.3	62.6		NW	A.M. Fine—lt. clouds & breeze. P.M. Cloudy—lt. wind. Ev. The same.		
		W 14	30.014	30.006	70.2	29.930	29.926	66.7	58	07.8	63.8	66.8	57.3	70.0		SE	Cloudy—light breeze throughout the day. Evening, The same.		
		T 15	29.696	29.690	62.7	29.626	29.622	64.2	55	05.7	61.0	63.8	57.8	68.7		E	{ A.M. Light fog and wind. P.M. Cloudy—light showers. Evening, Fine and clear.		
		F 16	29.654	29.650	71.2	29.634	29.630	67.0	59	06.3	64.3	68.7	56.9	65.0	.019	S	{ A.M. Fine—light clouds and breeze, with light showers. P.M. Fine & clear.		
		S 17	29.670	29.666	64.5	29.712	29.704	66.2	59	06.0	61.8	65.3	56.4	70.0	.686	S	{ A.M. Fine—light clouds and breeze, with light showers. P.M. Fine & clear.		
		○ 18	30.030	30.024	70.5	30.040	30.032	65.3	57	06.2	69.3	64.3	52.9	67.8		N	{ A.M. Fine—lt. clds. & breeze. P.M. Thick haze. Ev. Overcast—heavy rain.		
		M 19	29.946	29.940	70.4	29.990	29.982	64.3	58	05.7	60.2	56.5	55.8	66.0	.347	WNW	{ Cloudy—light wind, with showers nearly the whole of the day.		
		T 20	30.080	30.072	60.2	30.110	30.102	62.3	51	03.8	52.5	55.4	49.4	59.4	.133	W	{ Overcast—light wind, with showers nearly the whole of the day.		
		W 21	30.244	30.240	69.8	30.206	30.198	60.6	50	06.4	54.2	59.2	45.4	56.3	.025	NW	{ Evening, Fine and clear.		
		T 22	30.230	30.222	62.4	30.204	30.200	61.0	49	06.6	57.7	64.8	49.7	60.2		S	Fine—lt. clouds & wind throughout the day. Ev. Cloudy—light fog.		
		F 23	30.266	30.258	60.0	30.246	30.238	62.8	56	05.5	62.4	70.3	57.2	65.3		S	Fine—light clouds throughout the day. Evening, Fine and clear.		
		○ 24	30.140	30.132	63.8	30.062	30.056	65.4	59	04.9	62.5	69.5	57.6	70.8		S	A.M. Light fog & wind. P.M. Fine—lt. clouds. Ev. Fine and clear.		
		○ 25	30.026	30.018	64.2	29.972	29.968	65.5	59	05.4	62.3	70.6	60.0	70.5		W	A.M. Lightly overcast—lt. wind. P.M. Cloudy—lt. wind. Ev. The same.		
		M 26	29.966	29.960	70.3	29.912	29.904	67.3	59	07.8	65.3	68.7	54.8	71.5		W	A.M. Lightly overcast. P.M. Fine—light clouds. Ev. Fine & clear.		
		T 27	29.818	29.812	65.3	29.826	29.820	66.0	58	05.2	68.8	64.7	55.8	70.3		W	A.M. Fine—lt. clouds & wind. P.M. Cloudy—lt. wind. Ev. The same.		
		W 28	30.072	30.064	61.2	30.048	30.042	63.3	54	04.6	55.4	65.3	50.9	65.0	.066	NW	{ A.M. Cloudy—light wind. P.M. Fine—light clouds and wind.		
		T 29	29.942	29.936	62.3	29.892	29.884	65.3	60	04.1	62.3	67.7	54.9	65.3		SE	{ Evening, Cloudy—light rain.		
		F 30	29.846	29.840	63.4	29.810	29.806	66.0	59	04.4	61.7	66.5	59.9	68.3	.133	S	{ A.M. Overcast—lt. wind. P.M. Fine—lt. clds. & wind. Ev. Cloudy.		
		S 31	29.530	29.526	63.0	29.382	29.378	63.5	61	03.3	61.8	59.3	57.0	66.8	.058	SSW	{ Overcast—brisk wind, with occasional showers throughout the day.		
														Sum. 1.968					
														F. 29.926 .. 29.906					
														C. 29.919 .. 29.899					





MAGNETIC
ISOCLINAL LINES
IN THE ATLANTIC
1837.

.....line of no dip in 1825.