METEOROLOGICAL REGISTER FOR THE FIRST CLASS OF OBSERVERS, ADOPTED BY THE SMITHSONIAN INSTITUTION.

1850

Meteorological observations made at Richmond County, State of Va

Lat. 37° 32' 17" Long. 77° 27' 28" by David Thomson

Barometer above the ground feet / the Ocean 172.78 feet

Month De Plantes No. 3

Hours of Observations 6 A.M. 2 P.M. 10 P.M mean time.

Date		Thermometers. ordinary: Air	ordinary: Daily mean	Self-registering: min.	self-registering: max.	self-registering: Daily mean	Barometer. attach. Therm.	observed Height	cor. Height at Freezing Point	Daily mean	Wind, force & direction from the: Vane.	Lower Clouds	Upper Clouds	Cloudiness in 10ths	Aspect of the Sky	Psychrometer. Dry Bulb °	Wet Bulb °	Difference	Force of Vapour	Relative Humidity	Daily means. Force of Vapour	Daily means. Relative Humidity	Water fallen inches. Rain.	melted Snow.	Total	Moon's Phases
	6	61.7					67	30.040	29.987		NW 2			2	Cir	16.5	16.2	.3	13.5	98						
21	2	80.2					80	30.020	29.882		SW 2			3	Cir cu	20.7	20.4	6.3	14.0	52						
	10	69.2	70.4				75	30.050	29.925	29.915	S			10	Cust Sprinkled & Rain	20.0	19.8	.8	16.7	92	14.7	81	0.000			
	6	67					74	30.050	29.958		NW			9	Cust Rain in morn	19.4	19.4	.0	16.8	100						
22	2	73.6					81	30.135	29.994		W			3	Cum	24.2	18.2	6.0	11.9	53						
	10	62.6	68.4				74	30.200	30.078	30.010	NW			1	Cir	17.0	16.6	.4	13.8	96	14.2	83	.105			
	6	55.5					64	30.240	30.143		NW			2	Cust	12.9	12.6	.3	10.7	98						
23	2	75					77	30.220	30.090		W 1			2	Cir	23.8	16.3	7.5	8.0	42						
	10	65	65.2				73	30.180	30.061	30.099	W			6	Cust	18.3	17.7	.6	14.7	94	11.8	78	000			
	6	61					70	30.185	30.044		W 1			9	Cust	16.1	15.0	1.1	12.0	89						
24	2	73.4					75	30.120	29.993		S			9	Cust	23.0	17.5	5.5	11.5	55						
	10	64.8	66.4				71	30.100	29.986	30.005	0			8	Cir cu	18.2	15.6	2.6	11.6	74	11.7	73	.000			
	6	62.8					68	30.050	29.944		SW			9	Cir St	17.1	15.7	1.4	12.4	85						
25	2	74					73	29.960	29.841		SW 1			8	Cir St	23.3	17.8	5.5	11.8	55						
	10	68.3	68.3				72	29.850	29.733	29.839	SW 1			10	Cust	20.2	17.0	3.2	12.5	71	12.2	70	.000			
	6	67.4					70	29.705	29.596		SW 2			10	Cust Sprinkling Rain	19.7	18.4	1.3	15.0	88						
26	2	74.8					75	29.740	29.618		NW 2			2	Cir cu	23.7	17.3	6.4	10.8	49						
	10	65	67.1				70	29.860	29.749	29.654	NW 1			3	Cir	15.0	11.6	3.4	8.2	68	11.4	67	.000			
	6	50.8					63	29.960	29.867		NW 1			2	Cir	10.4	9.0	1.4	7.7	82						
27	2	72.8					73	30.010	29.891		SW			3	Cir	22.6	15.2	5.2	9.7	54						
	10	58	60.8				68	30.060	29.944	29.901	S			0	Very Clear	14.6	12.3	1.9	9.7	80	9.9	72	.000			
	6	52.7					63	30.050	29.952		S 1			0	Light Fog	11.3	10.8	.7	9.2	93						
28	2	76.2					77	30.030	29.900		SW 2			1	Cum	24.5	17.7	6.8	10.9	47						0
	10	62.5	63.8				71	30.015	29.901	29.918	SW			0	Beautiful	16.9	15.0	1.9	11.3	81	10.5	74	.000			
	6	53.8					65	29.950	29.892		NW			0	Light Fog	12.1	11.7	.4	10.0	95						
29	2	74					78	30.060	29.927		NW 2			8	Cum	23.3	16.8	6.5	10.3	48						
	10	58	61.9				70	30.090	29.975	29.933	NW			0	Beautiful	14.4	12.5	1.9	9.7	80	10.0	74	.000			
	6	49					63	30.160	30.067		NW 1			0		7.4	8.3	.9	7.7	89						
30	2	66.8					71	30.185	30.071		NW 1			1	Cum	15.3	12.8	6.5	7.1	62						
	10	56	57.3				70	30.200	30.089	30.075	0			0		13.3	11.0	2.3	8.4	75	8.8	69	.000			
	6																									
	2																									
	10																									
Sums		582						299.40						43							Sums		11.5	917		
		743						299.21						39									10.7	499		
		623	649					299.44	29.938					38									11.7	806	11.374	1
Means		58.2						29.940						4.3									11.5	91.7		
		74.3						29.921						3.9									10.7	49.9		
		62.3	64.9					29.944	29.938					3.8									11.7	80.6	11.374	1

Direction of the Wind.

Abbreviations: N. Northwind. NE. Northeast. E. Eastwind. NW. North west. S. Southwind. SE. South east. W. Westwind. SW. South west

Force of the Wind.

0 - a perfect calm. 1 - a light breeze moving the foliage of the trees. 2 - a moderate breeze moving the branches of the trees. 3 - a fresh gale, or a wind which causes strong boughs and entire trees to rock. 4 - a storm wind. boughs and even entire trees sometimes broken. The letter of the wind / Neap, without figure indicates a hardly perceivable air from that direction.

Form of the Clouds.

St. Stratus. Cir-St. - Cirrostratus. Cum Cumulus. Cum-St. - Cumulostratus. Cir. Cirrus. Cir-Cum. - Cirrocumulus. Nim. - Nimbus.

Cloudiness, or amount of Clouds.

0 - Clear Sky, entirely free from clouds. 10 - the whole sky covered. 1, 2, 3, &c to 9 different degrees between the two extremes.

Sky

Wd. - Wholly clear. Cl. - Clear 3 undoubted. M. - Medium, half covered. Or. - Overcast. Cov - Entirely covered.

F. Fog. R. Rain. Sn. Snow. H. Hail. Th. Thunder Storm. Hr. Heartfrost.

Moon's Phases

New Moon ● First Quarter ☽ Full Moon ○ Last Quarter ☾