METEOROLOGICAL REGISTER FOR THE FIRST CLASS OF OBSERVERS, ADOPTED BY THE SMITHSONIAN INSTITUTION. 18 62

1850

Meteorological observations made at Richmond Henrico County, State of Va

Lat. 37° 32′ 17″ Longit. 77° 27′ 28″ by David Lunas

Month May No. 3

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

Barometer above { the ground 4 feet / the Ocean 172.78

Date Day	Hour	Thermometers ordinary Air	ordinary Daily mean	Self-registering min.	max.	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 t	Wet Bulb t′	Difference (t.-t′)	Force of Vapour	Relative Humidity	Daily means Force of Vapor	Relative Humidity	Water fallen inches Rain.	melted Snow.	Total	Moon's Phases
	6	73					74	29,970	29,851		SW 1			0		73	68	5								
21	2	86					82	29,980	29,837		SW 1			4	Cir Cu	86	72	14								
	10	75	78	73	86	75,5	80	30,030	29,892	29,860	0			0	Fine Star Night of the season	75	68	7					.00		.00	
	6	73					75	30,040	29,911		SE			4	Cir	73	69	6								
22	2	89					86	29,980	29,826		SW 2			5	Cu	89	74	15								
	10	82	81,3	73	89	81	81	29,870	29,722	29,823	SW 1			0		82	72	10					.00		.00	C
	6	77					77	29,850	29,820		SW 2			3	Cir	77	67	10								
23	2	91					88	29,850	29,697		SW 2			1	Cir	91	73	18								
	10	74	80,6	74	91	82,5	80	30,050	29,891	29,776	SW 3			2	Cu	74	63	11					.00		.00	
	6	56					67	30,330	30,225		NE 2			1	Cir Cu	56	48	8								
24	2	69					71	30,340	30,224		NE 1			0		69	55	14								
	10	58	61	56	69	62,5	67	30,370	30,261	30,238	0			0		58	52	6					.00		.00	
	6	56					65	30,310	30,270		N			4	Cu	56	53	3								
25	2	70					70	30,360	30,247		SE			10	Cu St	70	62	8								
	10	68	64,6	56	70	63	70	30,340	30,227	30,248	SE			10	Cu St	68	65	3					.00		.00	
	6	66					69	30,330	30,220		SE 1			9	Cu St	66	63	3								
26	2	79					76	30,300	30,191		SE 1			5	Cu	79	67	12								
	10	68	71	66	79	72,5	74	30,270	30,146	30,179	SW 1			0		68	62	6					.00		.00	
	6	66					68	30,240	30,134		SE 1			3	Cir	66	62	4								
27	2	82					79	30,160	30,025		SE 2			5	Cu	82	69	13								
	10	76	74,6	66	82	74	75	30,130	29,997	30,062	SE 1			0		76	70	6					.00		.00	
	6	71					73	30,130	30,011		SW 1			3	Cir	71	65	6								
28	2	86					84	30,080	29,932		SE 1			1	Cu Thy passing North	86	74	12								
	10	75	77,3	71	86	78,5	77	30,080	29,930	29,964	SW 1			10	Cu St	75	70	5					.52		.52	
	6	72					73	30,170	29,951		SE 1			~~10~~ 3	~~Cu St~~ Cu Light fog	72	68	4								
29	2	88					85	30,040	29,889		SE 2			4	Cu Rain Blue Thy passing	88	76	12								
	10	75	78,3	72	88	80	80	30,030	29,892	29,910	SW			10	Cu St Thy passing from N	75	72	3					.10		.10	
	6	71					77	30,020	29,850		SW 1			8	Cir Cu	71	69	2								
30	2	74					76	30,030	29,903		SE 1			10	Nim	74	70	4								
	10	67	70,6	67	74	70,5	74	30,180	30,028	29,940	N			10	Nim	67	64	3					.01		.01	
	6	63					69	30,200	30,091		NE			10	Nim	63	60	3								
31	2	72					70	30,220	30,109		SE 1			9	Cu St	72	64	8								
	10	55	64,6	55	72	63,5	68	30,290	30,172	30,124	0			0		55	50	5					.00		.00	
Sums		744							33027					48					Sums	134						
		886							32986					52						63			63		.63	
		7778,3				805			33021	33011				42												
Means		67,6							30025					43					Means	45						
		80,5							29987					47						11,8						
		70,6	73,0			73,8			30015	30010				38						5,7			63	.00	.63	

Abbreviations

Direction of the Wind.
N. - North wind. N.E. - Northeast.
E. - East wind. N.W. - North west.
S. - South wind. S.E. - South east.
W. - West wind. S.W. - 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 bloughs and even entire trees sometimes broken.
The letter of the wind (Neng. 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
W.A. - Wholly clear
Cl. - Clear ⅔ undeuded
M. - Medium half covered
Ov. - Overcast
Cov. - Entirely covered

F. Fog.
R. Rain.
Sn. Snow.
H. Hail.
Th. Thunder Storm.
Hf. Heartbeat.

Moon's Phases
New Moon ●
First Quarter ☽
Full Moon ○
Last Quarter ☾