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

1856

Meteorological observations made at Richmond Henrico County, State of Virginia

Lat. 37° 32' 17" Longit. 77° 27' 28" by David Turner

Month March No. 2

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

Barometer above { the ground 16 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 Vapour	Relative Humidity	Water fallen inches: Rain.	melted Snow.	Total	Moon's Phases
	6	37					66	30.220	30.119		SI			0		37	35	2								
11	2	65					69	30.100	29.991		SI			2	cir	65	52	13								
	10	48	50.0	37	65	51.0	61	30.030	29.943	30.017	SW			0		48	44	4					.00		.00	
	6	44					57	30.130	30.054		SW			0		44	44	0								
12	2	62					69	30.220	30.111		SWI			1	cirr	62	52	10								
	10	48	51.3	44	62	53	61	30.210	30.123	30.096	SWI			0		48	44	4					.00		.00	
	6	38					57	30.210	30.134		SI			0	46th Frost	38	37	1								
13	2	67					69	30.130	30.021		SI			0		67	54	13								
	10	54	53	38	67	52.5	67	30.130	30.027	30.060	SI			0		54	48	6					.00		.00	
	6	43					59	30.130	30.048		SI			0		43	41	2								
14	2	73					73	30.240	30.121		SWI			0		73	58	15								
	10	55	57	43	73	58	67	30.210	30.107	30.092	SI			0		55	52	3					.00		.00	
	6	50					59	30.140	30.058		O			9	cir. Smoky and dry	50	47	3								
15	2	73					72	30.080	29.963		SWI			8	cir cu	73	60	13								
	10	66	63	50	73	61.5	67	29.950	29.847	29.956	SI			10	nim — Sprinkle	66	59	7					.00		.00	
	6	58					69	29.800	29.691		SWI			0	Rain last night 11 p.m.	58	56	8								
16	2	74					74	29.800	29.678		W			9	cir st	74	63	11								
	10	57	63	57	74	65.5	69	29.800	29.691	29.686	WI			10	cir st	57	55	2					.25		.25	
	6	47					60	29.750	29.665		WI			10	Cumulo Rain at 11 p.m. last night	47	46	1								
17	2	44					64	29.650	29.556		WI			10	nim night with some Thunder	44	43	1								
	10	40	43.6	40	47	43.5	52	29.650	29.558	29.593	NWI			9	cir st Peaches in full blossom	40	38	2					.55		.55	
	6	37					51	29.600	29.541		NWI			10	nim Snow and Rain	37	37	0								
18	2	45					65	29.600	29.504		WI			10	nim	45	43	2								
	10	44	42	37	45	41	69	29.670	29.563	29.586	SW			8	cir cu	44	44	0					.15		.15	
	6	41					64	29.670	29.576		SWI			6	cir cumu	41	38	3								
19	2	44					66	29.680	29.581		W			10	nim. Snowflakes of Snow	44	40	4								
	10	39	41.3	39	44	41.5	55	29.740	29.670	29.609	SWI			2	cir	39	39	0					.00		.00	
	6	35					50	29.800	29.741		SWI			0	47th Frost	35	33	2								
20	2	56					65	29.830	29.732		NWI			5	cirrus	56	47	9								
	10	45	45.3	35	56	45.5	68	29.900	29.794	29.755	NWI			0		45	44	1					.00		.00	
	6																									
	2																									
	10																									
Sums		430							298.62					30		Sums		16								
		603							298.25					05				50								
		495.6509				513			298.322	298.40				35				25								
Means		430							29.862					3.0		Means		1.6								
		60.3							29.825					5.0				5.0								
		49.6509				51.3			29.832	29.840				3.5				2.5					1.85	.00	1.35	

Abbreviations

Direction of the Wind.
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 (N.etc), without figure indicates a hardly perceivable air flow 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 & undoubted
M.- Medium, half covered
Or.- Overcast
Cov.- Entirely covered

F.- Fog.
R.- Rain.
Sn.- Snow.
H.- Hail.
Th.- Thunder Storm.
HF.- Hoarfrost.

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