

Monthly Meteorological Register, St. Martin, at Isla Jeau, CAIROUX PASS, MAY, 1853.

Nine Miles West of Montreal.

[BY CHARLES SMALLWOOD, M. D.]

Latitude—45 deg. 32 min. North. Longitude—73 deg. 36 min. West. Height above the Level of the Sea—118 ft.

Day.	Barom: corrected and reduced to 32° Fahr.		Temp. of the Air.		Tension of Vapour.		Humidity of the Air.		Direction of Wind.		Velocity in Miles per Hour.		Rain in Inch.		Weather, &c.—A cloudy sky is represented by 10; a cloudless sky by 0.		REMARKS.		
	6 A.M.	9 P.M.	6 A.M.	9 P.M.	6 A.M.	9 P.M.	6 A.M.	9 P.M.	6 A.M.	9 P.M.	6 A.M.	9 P.M.	6 A.M.	9 P.M.	6 A.M.	9 P.M.			
1	30.103	30.020	30.0	46.0	35.0	1.77	3.03	222	95	93	1.00	1.00	10.57	10.54	10.74	Clear.	Cum. Str. 2.	Clear.	Cl. A. L.
2	.072	29.910	29.882	38.0	60.0	45.0	1.70	4.67	315	96	89	1.00	0.80	0.80	0.90	Clear.	Cum. Str. 10.	Clear.	Cl. A. L.
3	29.912	743	777	47.0	51.0	42.0	2.91	3.37	283	86	98	0.90	0.30	3.12	3.56	Clear.	R. 1.45 pm.	Clear.	Cl. A. L.
4	812	506	207	45.0	52.6	46.5	2.92	3.28	330	93	78	0.96	0.84	1.00	1.00	0.100	C. Str. 10.	Clear.	Slight Hazy
5	804	729	703	46.0	55.0	45.5	3.19	3.30	330	97	93	0.93	0.51	1.010	1.08	0.28	C. Str. 10.	Clear.	Cl. A. B.
6	702	669	732	45.0	60.0	46.1	3.00	3.93	282	96	75	0.86	0.67	7.13	2.82	0.87	Str. 4.	Clear.	Clear.
7	799	713	602	47.3	67.5	53.0	2.91	4.45	316	86	67	0.67	0.87	1.13	1.13	0.87	Str. 4.	Clear.	Clear.
8	452	396	408	45.5	55.8	47.0	2.98	3.64	321	93	80	0.96	0.25	7.64	11.2.	0.103	Str. C. 2.	Clear.	Str. 6.
9	442	304	324	45.5	52.6	46.2	3.52	4.64	332	85	71	0.89	0.63	5.45	4.00	1.65	Str. 2.	Clear.	Cum. Str. 4.
10	451	396	399	50.0	69.0	55.0	3.52	4.86	332	95	69	0.88	0.63	5.45	4.00	1.65	Str. 2.	Clear.	Cum. Str. 4.
11	644	596	599	50.0	69.0	55.0	3.52	4.86	332	95	69	0.88	0.63	5.45	4.00	1.65	Str. 2.	Clear.	Cum. Str. 4.
12	773	504	653	41.0	44.3	40.1	2.41	3.76	241	81	79	0.98	5.10	8.95	9.19	12.22	Str. 4.	Clear.	Clear.
13	820	806	809	36.0	57.0	49.2	2.20	3.76	312	96	79	0.86	5.51	2.14	12.22	0.509	H. 6.40 am.	Clear.	Clear.
14	832	783	774	51.7	61.0	51.2	3.37	4.60	373	87	77	0.92	7.61	9.80	7.39	5.80	Clear.	Clear.	Clear.
15	823	652	505	53.0	80.0	57.0	3.61	7.33	430	87	75	0.96	4.26	3.06	4.62	0.319	Overcast.	Clear.	Cum. Str. 2.
16	476	364	380	70.2	83.0	67.0	3.59	6.81	534	61	81	0.81	5.79	18.86	21.42	10.81	Str. C. 1.	Clear.	Clear.
17	706	716	719	73.0	73.0	49.9	3.76	5.72	272	79	72	0.92	10.81	8.5	10.83	0.180	Str. 4.	Clear.	Clear.
18	809	744	719	39.4	57.9	50.0	2.94	3.27	291	91	66	0.80	8.55	0.91	1.43	0.143	Strat. 9.	Clear.	Clear.
19	397	415	463	40.0	43.0	39.7	2.92	2.60	230	98	96	0.96	13.06	18.08	8.78	1.459	Rain.	Clear.	Rain.
20	472	451	505	41.1	51.4	46.0	2.53	3.26	282	92	86	0.86	16.45	11.95	1.660	Str. 10.	Clear.	Clear.	Rain.
21	391	302	324	48.4	55.5	53.2	3.94	3.68	368	88	88	0.88	5.84	5.90	5.26	0.730	Clear.	Clear.	Clear.
22	318	414	402	52.2	67.0	56.0	3.51	5.06	432	88	76	0.94	1.35	0.85	0.85	0.200	C.C. Str. 5.	Clear.	Clear.
23	410	423	554	54.6	62.6	58.8	4.42	6.00	318	98	83	0.83	0.79	5.26	5.83	1.447	Rain.	Clear.	Clear.
24	715	742	786	54.4	62.6	58.8	3.04	3.54	315	70	94	0.81	8.31	2.50	6.50	6.50	Clear.	Clear.	Clear.
25	825	769	712	53.5	59.0	55.1	3.15	3.61	4.8	76	73	0.63	8.31	2.50	6.50	6.50	Clear.	Clear.	Clear.
26	556	421	447	60.2	63.5	58.8	4.16	5.22	4.60	79	91	0.92	1.97	2.14	0.64	0.64	Clear.	Clear.	Clear.
27	507	538	570	61.0	63.3	67.0	4.40	5.27	5.50	81	75	0.75	1.97	2.14	0.64	0.64	Clear.	Clear.	Clear.
28	632	56	580	63.2	63.9	68.8	4.43	5.27	4.70	76	83	0.76	1.43	2.87	2.87	2.87	Clear.	Clear.	Clear.
29	604	542	528	62.2	62.8	68.8	4.21	5.78	4.70	75	46	0.69	1.14	3.73	8.66	8.66	Clear.	Clear.	Clear.
30	445	302	608	70.0	66.5	46.6	4.65	5.80	246	64	90	0.78	1.60	15.00	16.28	0.433	Rain.	Clear.	Clear.
31	478	332	436	62.0	48.5	48.5	4.71	3.33	291	58	81	0.81	5.10	9.72	3.75	3.75	Clear.	Clear.	Clear.

Barometer: Highest, the 1st day - 30.03
 Lowest, the 21st day - 29.302
 Monthly Mean - 29.614
 Range - 0.801

Thermometer: Highest, the 29th day - 87.09
 Lowest, the 1st day - 30.0
 Monthly Mean - 56.34
 Range - 57.9

Mean of Humidity—89.5.

Greatest Intensity of the Sun's Rays—111.03.

Amount of Evaporation—2.51 inches

Most Prevalent wind—N.E. b E.

Least do. do. E.

Most Windy Day—the 16th day, mean—15.35 miles per hour

Least Windy Day—7th mean—1.00 miles per hour.

Rain fell on 16 days—amounting to 6.399 inches, and was accompanied by thunder and lightning on two days.

Aurora Borealis visible on 4 nights.

Lunar Halos on one night.

The electrical state of the atmosphere has been marked during the month generally by high intensity of positive electricity, and on the 15th, 16th, 28th and 30th days indicated changes from positive to negative of a very high tension.

SCIENTIFIC INTELLIGENCE.