



ATLAS

WEATHERING SERVICES GROUP

Latitude 33° 54' North, Longitude 112° 08' West, Elevation 610 (m)

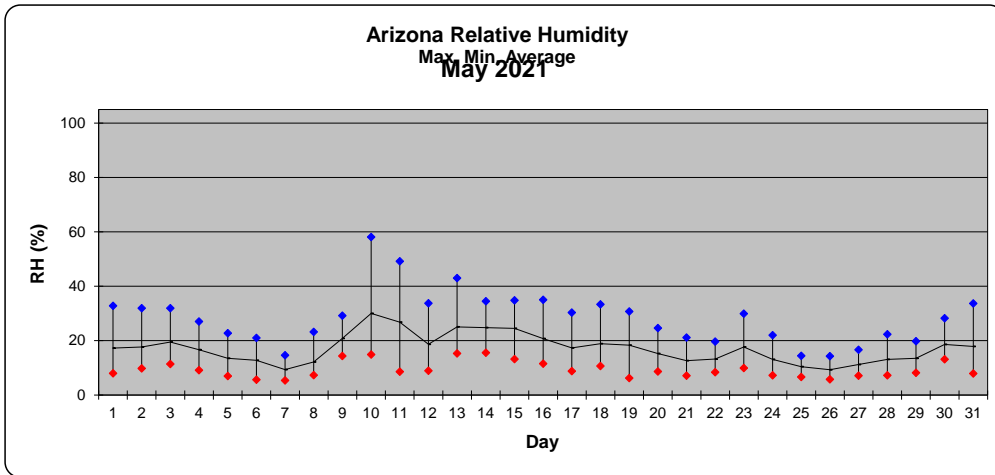
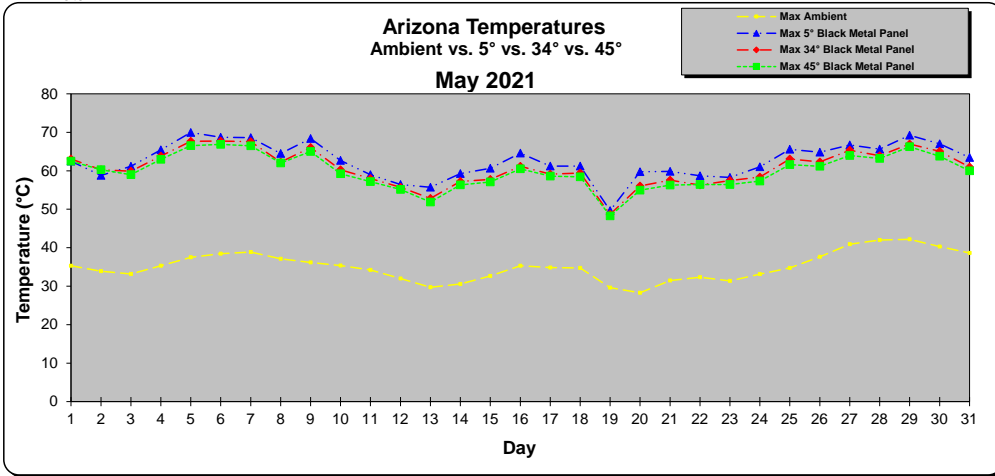


Weather Summary May 2021 Phoenix, Arizona

Month	Temperature Summary												Climate Summary						
	Ambient Temperature			Black Metal Panel Temperature (ASTM G179) (° C)									Relative Humidity			Wind Speed		Wind Direction	Rainfall
May	(° C)			5 °			34 °			45 °			%			m/sec		360°/0° = N	(mm)
Day	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Avg.	Avg.	Total
1	35	18	28	62	15	33	63	16	33	62	16	33	33	8	17	7.7	1.7	113°	0.0
2	34	18	27	59	16	32	60	16	32	60	16	32	32	10	18	9.7	1.8	183°	0.0
3	33	17	26	61	15	32	60	15	31	59	15	31	32	11	19	8.2	1.7	85°	0.0
4	35	18	27	65	15	33	64	16	33	63	16	33	27	9	17	9.0	1.9	52°	0.0
5	38	22	30	70	20	35	68	20	35	67	21	35	23	7	14	10.8	2.6	33°	0.0
6	38	22	30	69	19	36	68	20	36	67	20	36	21	6	13	8.1	2.3	62°	0.0
7	39	22	31	69	18	37	68	19	36	66	19	36	15	5	9	8.6	2.2	347°	0.0
8	37	24	30	64	19	36	62	20	36	62	20	36	23	7	12	9.0	2.1	76°	0.0
9	36	21	30	68	19	35	66	19	35	65	20	35	29	14	21	7.1	1.6	292°	0.0
10	35	22	28	63	18	30	60	19	30	59	19	30	58	15	30	10.0	1.7	351°	2.0
11	34	22	28	59	18	33	58	19	33	57	19	33	49	9	27	10.4	2.5	207°	0.3
12	32	18	26	56	13	31	56	14	30	55	14	30	34	9	19	8.5	1.7	194°	0.0
13	30	17	23	56	12	29	53	12	28	52	13	28	43	15	25	8.0	1.6	179°	0.0
14	31	15	23	59	13	30	57	13	29	56	13	29	35	16	25	6.9	1.5	112°	0.0
15	33	17	25	61	14	31	58	14	31	57	14	31	35	13	25	6.1	1.6	100°	0.0
16	35	19	28	65	17	34	61	17	33	60	18	33	35	12	21	7.1	1.7	14°	0.0
17	35	18	27	61	16	33	59	17	33	59	17	32	30	9	17	7.8	1.5	101°	0.0
18	35	18	27	61	15	32	59	16	32	58	16	32	33	11	19	9.6	1.8	166°	0.0
19	30	17	24	50	13	28	49	13	28	48	13	28	31	6	18	12.2	2.2	192°	0.0
20	28	12	21	60	10	28	56	11	27	55	11	27	25	9	15	8.4	1.6	129°	0.0
21	31	16	24	60	11	30	58	12	30	56	12	29	21	7	13	9.4	2.2	24°	0.0
22	32	17	25	59	14	31	56	15	30	56	15	30	20	8	13	9.8	2.1	187°	0.0
23	31	16	25	58	12	31	57	13	30	56	13	30	30	10	18	10.8	1.6	209°	0.0
24	33	19	27	61	17	33	58	18	32	57	18	32	22	7	13	9.4	2.5	347°	0.0
25	35	22	28	66	19	34	63	20	33	62	20	33	14	7	10	14.6	3.2	13°	0.0
26	38	23	30	65	21	36	62	21	35	61	21	35	14	6	9	10.1	2.4	49°	0.0
27	41	23	32	67	20	38	65	20	37	64	21	37	17	7	11	9.0	1.9	192°	0.0
28	42	23	33	66	20	39	64	21	38	63	21	37	22	7	13	8.2	1.8	164°	0.0
29	42	25	34	69	23	40	67	23	39	66	24	39	20	8	14	7.4	1.7	130°	0.0
30	40	25	34	67	22	40	65	23	39	64	23	39	28	13	19	10.4	2.0	156°	0.0
31	39	25	32	63	21	38	61	22	37	60	22	37	34	8	18	7.9	1.6	219°	0.0
Monthly Avg.	35	20	28	63	17	33	61	17	33	60	17	33	29	9	17	9.0	1.9	151°	
Monthly Total																			2.3
YTD [†] Avg.	25	11	18	48	9	22	51	9	22	51	9	23	49	19	33	9.2	2.1	102°	
YTD [†] Total																			157.2

[†] Year To Date

Note:



Latitude 25° 34' North, Longitude 80° 28' West, Elevation 2 (m)

Miami, Florida

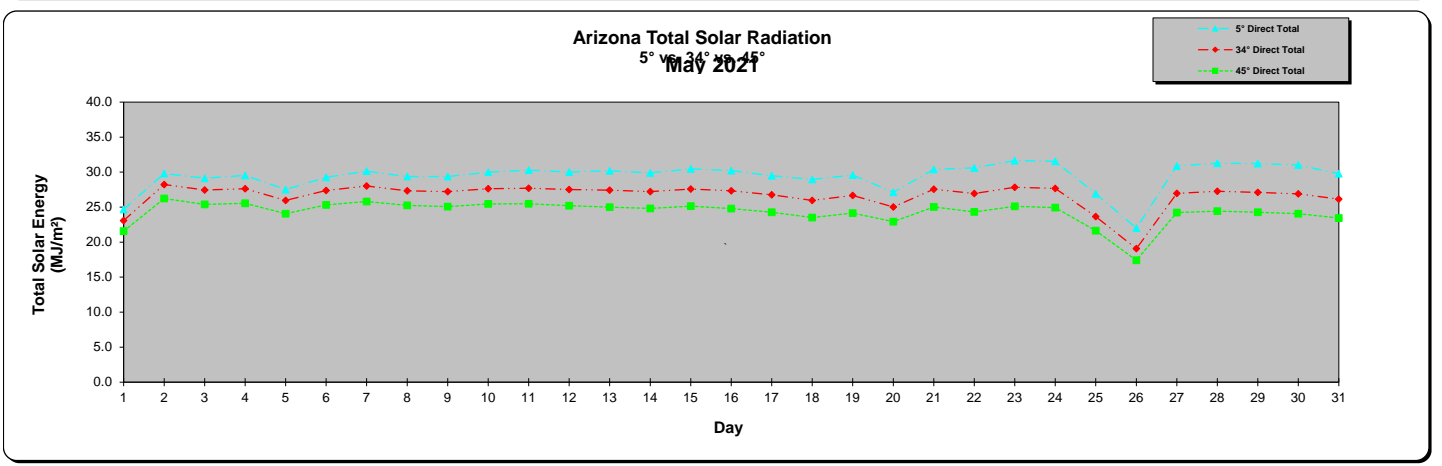
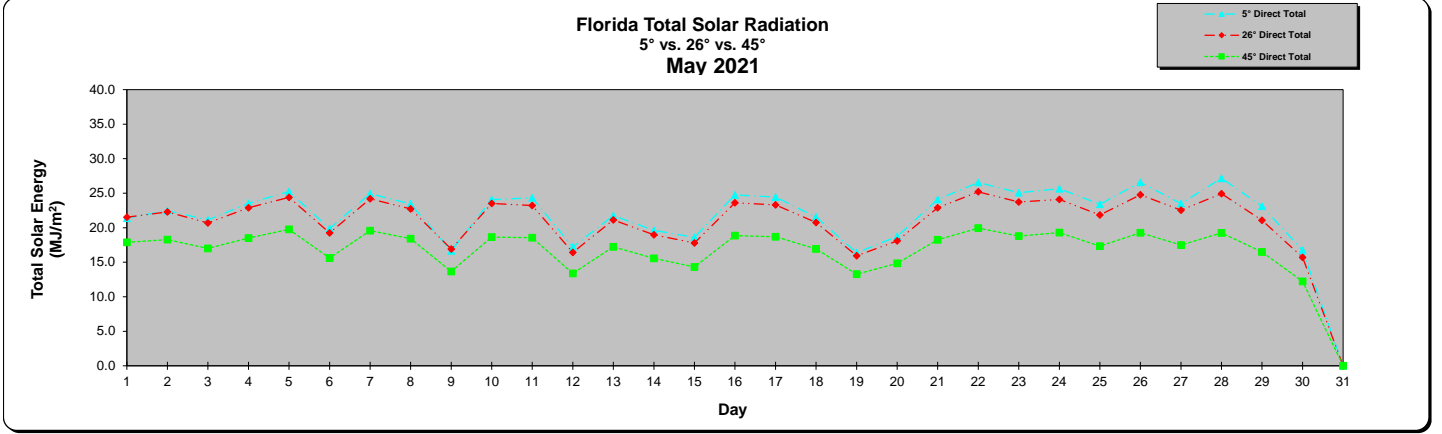
Latitude 33° 54' North, Longitude 112° 08' West, Elevation 610 (m)

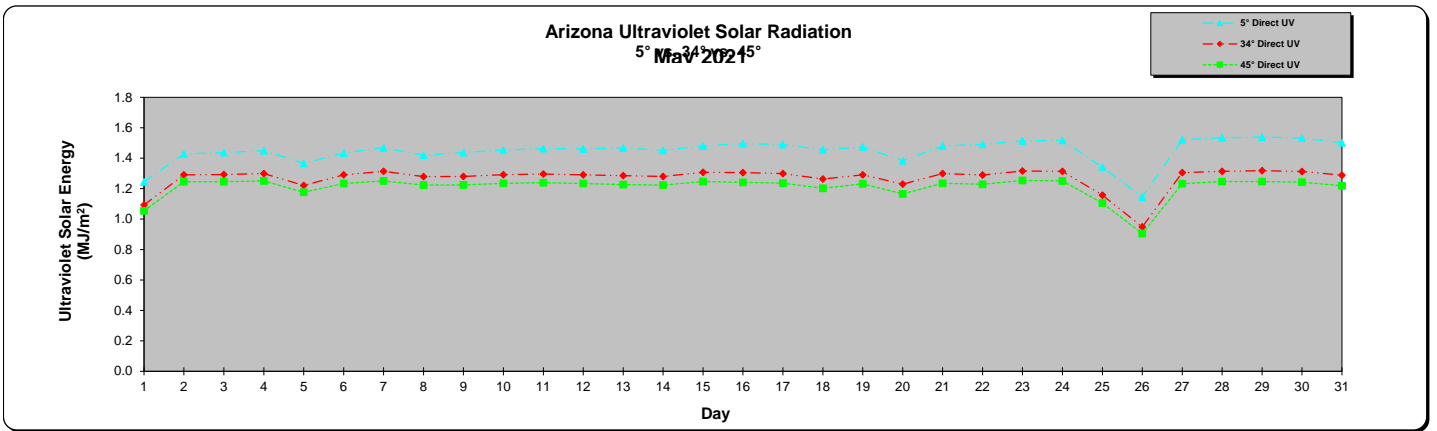
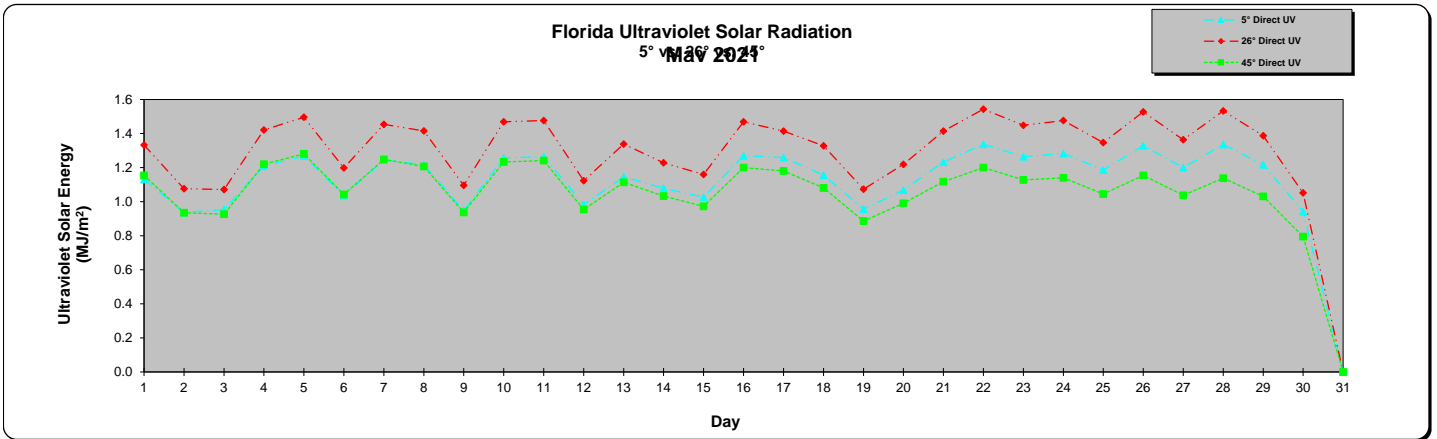
Phoenix, Arizona

Solar Radiation Summary													Solar Radiation Summary																
Month	Total Solar Radiation (MJ/m2)						Ultraviolet Solar Radiation (MJ/m ²)						Total Solar Radiation (MJ/m2)						Ultraviolet Solar Radiation (MJ/m2)						EMMAQUA™				
	Direct			Underglass			Direct			Underglass			Direct			Underglass			Direct			Underglass			Total	UV			
Day	5°	26°	45°	5°	26°	45°	5°	26°	45°	5°	26°	45°	5°	34°	45°	5°	34°	45°	5°	34°	45°	5°	34°	45°	5°	34°	45°	Total	UV
1	21.4	21.5	17.9	18.3	17.2	15.1	1.13	1.33	1.15	0.83	0.75	0.55	24.7	23.1	21.6	20.7	19.6	18.8	1.24	1.09	1.05	0.84	0.78	0.69	0	0.00			
2	22.5	22.3	18.3	19.1	17.8	15.5	0.94	1.08	0.94	0.67	0.62	0.44	29.8	28.2	26.2	25.5	24.2	23.0	1.43	1.29	1.25	0.98	0.93	0.83	127	3.85			
3	21.1	20.7	17.0	17.6	16.1	14.1	0.95	1.07	0.93	0.66	0.62	0.43	29.1	27.5	25.4	24.8	23.5	22.2	1.44	1.29	1.25	0.98	0.93	0.83	180	5.68			
4	23.5	22.9	18.5	19.7	18.1	15.4	1.21	1.42	1.22	0.88	0.80	0.57	29.5	27.6	25.6	25.1	23.7	22.4	1.45	1.30	1.25	0.99	0.94	0.83	200	6.18			
5	25.2	24.4	19.8	21.2	19.4	16.5	1.27	1.50	1.28	0.93	0.84	0.60	27.5	26.0	24.1	23.5	22.2	21.1	1.37	1.22	1.18	0.94	0.88	0.77	157	4.86			
6	19.9	19.3	15.6	16.6	15.0	12.8	1.04	1.20	1.04	0.74	0.67	0.48	29.3	27.4	25.3	25.1	23.5	22.4	1.43	1.29	1.23	0.99	0.92	0.82	197	6.17			
7	24.9	24.2	19.6	20.9	19.2	16.2	1.24	1.45	1.25	0.91	0.82	0.59	30.2	28.0	25.8	25.8	24.0	22.7	1.47	1.31	1.25	1.01	0.95	0.83	204	6.36			
8	23.4	22.7	18.4	19.7	18.0	15.4	1.22	1.42	1.21	0.88	0.81	0.57	29.4	27.3	25.3	25.3	23.5	22.3	1.42	1.28	1.22	0.99	0.93	0.82	205	6.09			
9	16.7	16.9	13.7	14.1	13.1	11.5	0.95	1.10	0.94	0.68	0.62	0.44	29.4	27.2	25.1	25.2	23.3	22.0	1.44	1.28	1.22	0.99	0.93	0.82	177	5.45			
10	24.1	23.5	18.6	20.3	18.5	15.7	1.26	1.47	1.23	0.91	0.83	0.59	30.0	27.6	25.5	25.6	23.6	22.3	1.45	1.29	1.24	1.00	0.94	0.82	182	5.61			
11	24.3	23.2	18.6	20.3	18.4	15.6	1.26	1.48	1.24	0.92	0.83	0.59	30.3	27.7	25.5	25.9	23.8	22.4	1.46	1.30	1.24	1.01	0.94	0.82	200	6.13			
12	17.2	16.4	13.4	14.2	12.9	11.1	0.98	1.12	0.95	0.68	0.63	0.44	30.0	27.5	25.2	25.8	23.6	22.1	1.46	1.29	1.23	1.01	0.93	0.81	201	6.17			
13	21.8	21.1	17.2	18.9	17.3	14.7	1.15	1.34	1.11	0.84	0.76	0.54	30.2	27.4	25.0	25.7	23.5	22.1	1.47	1.29	1.23	1.00	0.92	0.81	198	6.07			
14	19.6	19.0	15.6	16.4	14.8	12.9	1.08	1.23	1.03	0.80	0.70	0.49	29.9	27.2	24.8	25.6	23.4	21.8	1.45	1.28	1.22	1.00	0.92	0.81	193	5.98			
15	18.6	17.8	14.3	15.4	13.9	11.7	1.03	1.16	0.97	0.75	0.66	0.46	30.5	27.6	25.1	26.2	23.7	22.1	1.48	1.31	1.25	1.03	0.95	0.83	0	0.00			
16	24.7	23.6	18.9	20.6	18.8	16.0	1.27	1.47	1.20	0.96	0.83	0.59	30.2	27.3	24.8	25.9	23.1	21.8	1.50	1.31	1.24	1.02	0.94	0.83	0	0.00			
17	24.4	23.3	18.7	20.3	18.7	15.7	1.26	1.41	1.18	0.93	0.83	0.59	29.5	26.8	24.3	25.3	22.6	21.4	1.49	1.30	1.24	1.02	0.94	0.82	0	0.00			
18	21.5	20.7	16.9	17.1	16.8	14.2	1.16	1.33	1.08	0.86	0.75	0.53	29.0	26.0	23.5	24.7	21.8	20.6	1.46	1.26	1.20	0.99	0.90	0.79	172	5.36			
19	16.4	15.9	13.3	13.1	12.6	10.9	0.96	1.07	0.89	0.70	0.61	0.43	29.6	26.7	24.2	25.4	22.8	21.2	1.48	1.29	1.23	1.01	0.93	0.81	190	6.04			
20	18.7	18.1	14.8	14.9	14.3	12.2	1.07	1.22	0.99	0.79	0.70	0.49	27.1	25.0	22.9	23.9	21.8	20.4	1.38	1.23	1.17	0.96	0.89	0.77	130	4.33			
21	24.1	22.9	18.2	19.3	18.6	15.0	1.23	1.41	1.12	0.92	0.81	0.56	30.4	27.6	25.0	26.3	23.7	22.1	1.48	1.30	1.24	1.03	0.95	0.83	0	0.00			
22	26.5	25.2	19.9	21.1	20.3	16.4	1.34	1.54	1.20	1.00	0.88	0.61	30.6	26.9	24.3	26.1	22.9	21.2	1.49	1.29	1.23	1.03	0.93	0.82	114	3.68			
23	25.1	23.7	18.8	19.8	19.1	15.4	1.26	1.45	1.13	0.94	0.82	0.57	31.6	27.8	25.1	27.0	23.8	22.0	1.51	1.32	1.25	1.05	0.95	0.83	196	6.02			
24	25.7	24.1	19.3	20.4	19.8	15.9	1.28	1.48	1.14	0.96	0.83	0.58	31.5	27.7	24.9	26.9	23.7	21.9	1.52	1.31	1.25	1.05	0.95	0.82	148	4.74			
25	23.4	21.9	17.3	18.4	17.6	14.2	1.19	1.35	1.05	0.88	0.76	0.53	26.9	23.7	21.6	22.8	20.1	18.9	1.34	1.16	1.11	0.92	0.82	0.72	99	3.12			
26	26.6	24.8	19.3	21.1	20.2	15.9	1.33	1.53	1.15	0.99	0.86	0.59	22.0	19.1	17.4	18.3	16.0	15.1	1.15	0.95	0.91	0.77	0.67	0.59	0	0.00			
27	23.5	22.5	17.5	18.5	17.8	14.2	1.20	1.36	1.04	0.89	0.76	0.53	30.9	27.0	24.2	26.4	23.1	21.2	1.52	1.31	1.23	1.04	0.94	0.81	203	6.41			
28	27.2	24.9	19.2	21.2	20.2	15.7	1.34	1.53	1.14	1.00	0.85	0.59	31.3	27.3	24.4	26.7	23.3	21.3	1.53	1.31	1.25	1.05	0.94	0.81	206	6.50			
29	23.1	21.1	16.5	18.1	17.1	13.3	1.22	1.39	1.03	0.90	0.76	0.53	31.2	27.1	24.3	26.7	23.2	21.3	1.54	1.32	1.25	1.06	0.94	0.82	196	5.32			
30	16.7	15.7	12.2	13.0	12.4	9.9	0.94	1.05	0.80	0.68	0.59	0.40	31.0	26.9	24.1	26.5	23.0	21.1	1.53	1.31	1.24	1.05	0.94	0.81	168	5.48			
31	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	29.8	26.2	23.5	25.7	22.4	20.6	1.50	1.29	1.22	1.03	0.92	0.80	0	0.00			
Monthly Total	671.9	644.4	517.3	549.6	513.6	428.8	34.73	39.95	32.62	25.49	22.59	15.91	912.3	826.3	753.9	780.1	706.2	661.8	44.88	39.37	37.55	30.82	28.33	24.80	4245	131.59			
YTD ¹ Total	2775.4	3134.3	2839.2	2280.6	2496.4	2426.3	145.11	175.99	156.79	93.39	108.18	91.24	3115.5	3456.7	3429.1	2617.7	2960.9	3027.8	146.84	144.88	144.41	102.34	107.36	100.66	15738.95	486.14			

¹ Year To Date

Note: Total Solar Radiation - (290-3000 nm) Ultraviolet Solar Radiation - (295-385 nm).

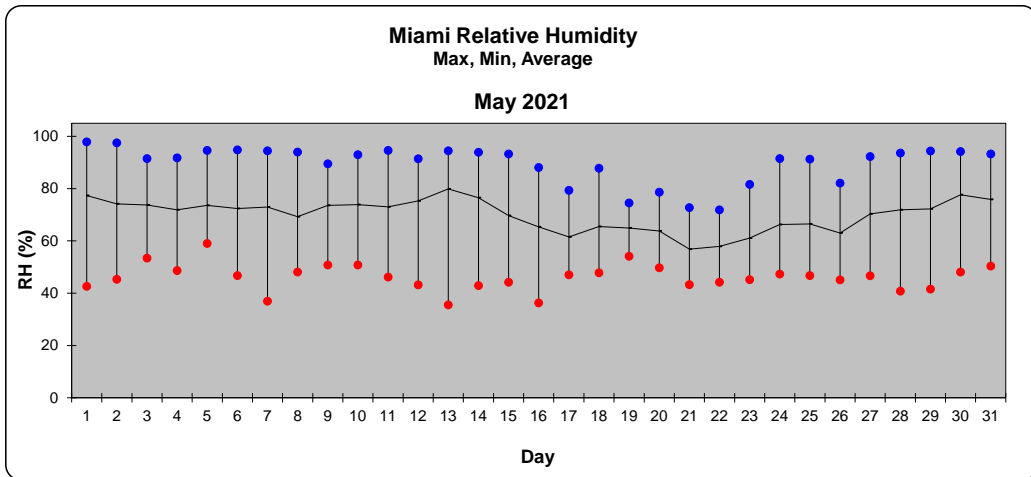
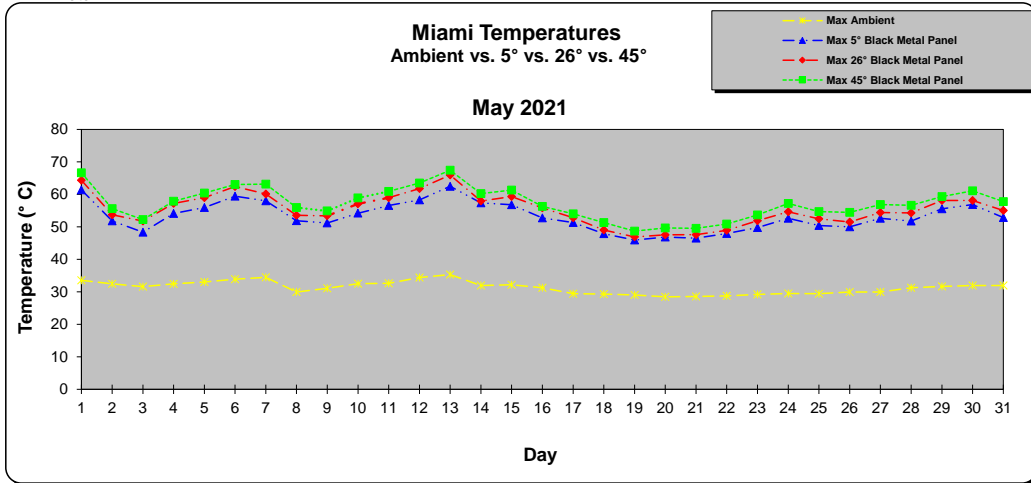




Latitude 25° 34' North, Longitude 80° 28' West, Elevation 2 (m)

Month	Temperature Summary												Climate Summary						
	Ambient Temperature			Black Metal Panel Temperature (ASTM G179) (° C)									Relative Humidity			Wind Speed		Wind Direction	Rainfall
Day	Max	Min	Avg.	5 °			26 °			45 °			(%)			m/sec		360°/0°=N	(mm)
Day	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Avg.	Avg.	Total
1	34	21	26	61	20	30	64	20	31	67	24	38	98	43	77	4.3	1.4	221°	0.0
2	32	20	26	52	18	30	54	18	30	56	22	36	98	45	74	5.0	1.5	124°	0.0
3	32	23	27	48	21	31	52	21	31	52	24	33	92	53	74	5.4	2.0	133°	0.0
4	32	22	28	54	20	31	57	20	32	58	26	34	92	49	72	5.2	1.9	126°	0.0
5	33	21	27	56	19	31	59	19	32	60	25	37	95	59	74	4.7	1.4	127°	0.0
6	34	21	27	59	20	31	62	20	32	63	24	36	95	47	72	3.8	1.2	139°	0.0
7	34	22	27	58	20	31	60	20	32	63	-33	40	95	37	73	6.3	1.8	211°	5.6
8	30	22	26	52	20	29	54	20	30	56	24	38	94	48	69	6.1	2.6	108°	0.0
9	31	24	27	51	21	29	53	21	30	55	24	31	90	51	74	5.8	2.4	95°	0.3
10	33	23	27	54	21	31	57	21	31	59	25	36	93	51	74	4.9	1.8	113°	1.0
11	33	21	27	57	20	32	59	20	32	61	25	36	95	46	73	4.7	1.5	105°	0.0
12	34	24	27	58	21	30	62	21	31	64	25	36	91	43	75	6.0	1.3	133°	3.0
13	35	22	26	63	21	30	66	21	31	67	24	43	95	36	80	5.4	1.4	193°	20.3
14	32	22	26	57	20	30	58	20	30	60	22	36	94	43	77	4.4	1.5	188°	0.0
15	32	21	26	57	20	29	59	20	29	61	22	33	93	44	70	6.4	2.2	124°	0.0
16	31	19	25	53	17	29	56	17	30	56	19	32	88	36	65	5.6	2.1	77°	0.0
17	29	23	26	51	21	29	53	21	30	54	21	30	79	47	62	6.0	2.6	69°	0.0
18	29	23	26	48	21	29	49	21	29	51	20	31	88	48	66	7.2	3.4	81°	4.1
19	29	24	26	46	22	28	47	22	29	49	22	29	75	54	65	7.7	4.3	86°	0.0
20	28	24	26	47	23	28	48	23	28	50	19	28	79	50	64	8.2	4.5	83°	0.0
21	29	23	26	47	22	29	48	22	29	50	19	29	73	43	57	8.9	4.1	74°	0.0
22	29	22	26	48	19	29	49	19	29	51	17	30	72	44	58	7.2	3.4	73°	0.0
23	29	20	25	50	18	29	52	17	29	54	16	30	82	45	61	5.8	2.4	75°	0.0
24	29	18	24	53	16	28	55	15	29	57	18	33	92	47	66	5.2	1.8	83°	0.0
25	29	19	25	50	17	28	52	17	29	55	22	32	91	47	66	5.4	2.2	90°	0.0
26	30	22	26	50	19	30	51	19	30	54	20	32	82	45	63	5.7	2.4	95°	0.0
27	30	20	25	53	18	29	54	18	29	57	20	33	92	47	70	4.8	1.5	110°	0.0
28	31	20	25	52	18	30	54	18	30	57	23	34	94	41	72	4.9	1.6	132°	0.0
29	32	19	26	56	17	29	58	17	30	59	23	34	94	42	72	5.5	1.5	144°	0.0
30	32	21	26	57	19	29	58	19	29	61	25	34	94	48	78	4.4	1.1	155°	2.0
31	32	21	26	53	19	29	55	19	29	58	25	34	93	50	76	5.7	2.0	90°	1.3
Monthly Avg.	31	22	26	53	20	30	55	20	30	57	20	34	89	46	70	5.7	2.1	118°	
Monthly Total																			37.6
YTD [†] Avg.	28	17	22	52	16	26	53	16	27	52	16	28	94	49	76	16.5	0.7	89°	252.9
YTD [†] Total																			

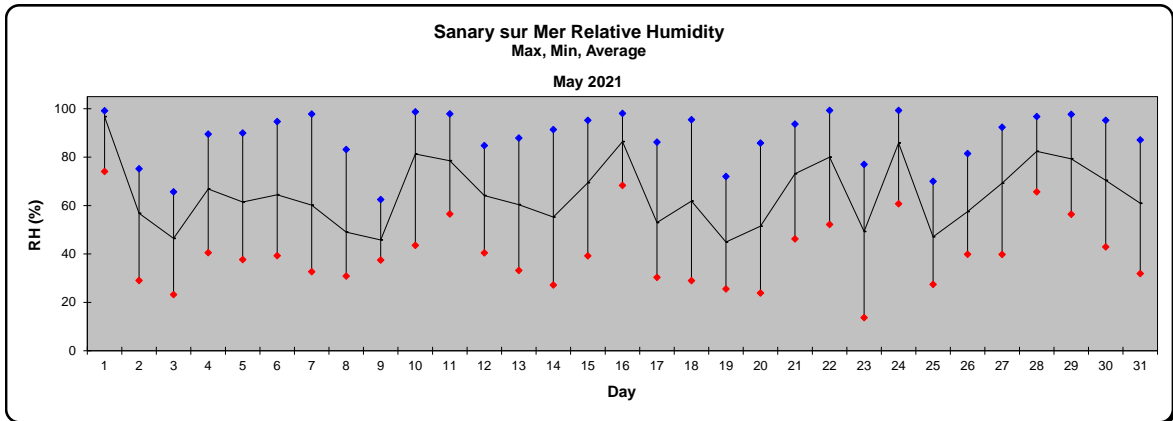
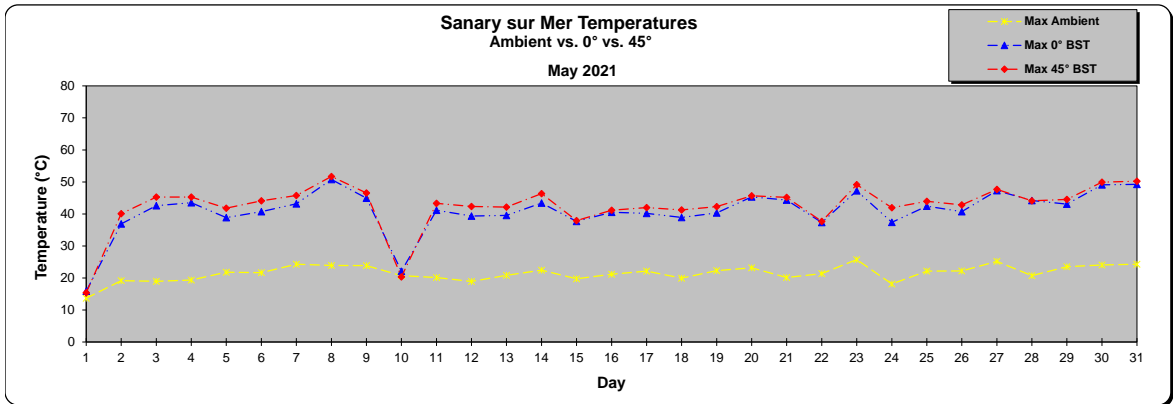
[†] Year To Date
Note:



Month	Temperature Summary																		Climate Summary											
	Ambient Temperature			Black Standard Temperature BST (°C)						Black Panel Temperature BPT (°C)						Black Metal Panel Temperature (ASTM G179) (°C)						Relative Humidity			Wind Speed		Wind Direction	Rainfall		
	°C			0°			45°			0°			45°			0°			45°			%			(m/s)		360°/0°=N	(mm)		
Day	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Avg	Avg	Total		
1	14	9	12	16	7	12	15	7	12	*	*	*	15	6	11	16	*	*	*	16	7	12	99	74	97	5.4	0.9	53°	17.0	
2	19	9	14	37	7	18	40	7	18	*	*	*	35	6	16	38	*	*	*	41	7	18	75	29	57	7.4	1.6	272°	0.0	
3	19	7	14	43	4	20	45	4	20	*	*	*	43	4	18	45	*	*	*	48	4	20	66	23	46	5.7	0.9	293°	0.0	
4	19	8	14	43	6	20	45	6	20	*	*	*	41	5	18	44	*	*	*	46	6	20	90	41	67	4.8	1.0	329°	0.0	
5	22	12	17	39	9	22	42	9	22	*	*	*	37	9	20	41	*	*	*	43	10	22	90	38	61	8.7	1.5	271°	0.0	
6	22	11	16	41	7	21	44	7	21	*	*	*	37	7	19	42	*	*	*	45	7	21	95	39	64	5.7	1.2	263°	0.0	
7	24	13	18	43	11	23	46	11	23	*	*	*	40	11	21	45	*	*	*	47	11	23	98	33	60	8.4	1.4	277°	0.0	
8	24	14	18	51	11	25	52	11	25	*	*	*	48	10	23	51	*	*	*	52	11	24	83	31	49	6.0	1.0	90°	0.0	
9	24	14	20	45	12	25	47	11	25	*	*	*	43	11	23	45	*	*	*	48	12	25	63	37	46	11.1	2.8	91°	0.0	
10	21	14	16	22	13	16	20	13	15	*	*	*	20	12	15	30	*	*	*	21	13	16	99	44	81	10.7	1.8	87°	24.9	
11	20	14	16	41	12	21	43	12	21	*	*	*	38	12	19	43	*	*	*	44	12	21	98	57	79	7.6	1.5	238°	0.3	
12	19	11	15	39	9	20	42	9	20	*	*	*	37	9	18	42	*	*	*	44	9	20	85	40	64	7.2	1.6	267°	0.0	
13	21	11	15	40	9	21	42	8	21	*	*	*	36	8	18	42	*	*	*	43	9	20	88	33	60	9.2	1.7	271°	0.0	
14	22	10	17	43	8	22	46	8	22	*	*	*	41	7	20	46	*	*	*	49	8	22	91	27	55	7.8	1.3	273°	0.0	
15	20	11	15	38	8	19	38	8	18	*	*	*	35	7	17	41	*	*	*	41	8	19	95	39	69	4.9	0.9	271°	0.0	
16	21	13	16	41	12	19	41	11	19	*	*	*	36	11	18	42	*	*	*	43	12	20	98	68	86	4.6	0.6	267°	2.3	
17	22	12	16	40	9	21	42	9	21	*	*	*	37	9	19	41	*	*	*	43	10	21	86	30	53	9.2	1.6	273°	0.0	
18	20	13	16	39	11	20	41	10	20	*	*	*	35	10	18	41	*	*	*	43	11	20	96	29	62	7.0	1.3	265°	0.3	
19	22	11	17	40	10	22	42	9	21	*	*	*	37	9	20	43	*	*	*	45	9	21	72	26	45	9.1	1.9	274°	0.0	
20	23	12	16	45	9	23	46	9	22	*	*	*	42	8	20	47	*	*	*	46	9	22	86	24	52	6.9	1.2	245°	0.0	
21	20	10	16	44	8	20	45	8	20	*	*	*	41	7	18	50	*	*	*	50	8	20	94	46	73	5.6	1.0	115°	0.3	
22	21	14	16	37	12	20	38	12	20	*	*	*	34	12	19	40	*	*	*	39	13	20	99	52	80	3.7	0.7	247°	1.8	
23	26	13	18	47	10	22	49	10	22	*	*	*	44	10	20	50	*	*	*	51	11	22	77	14	49	5.2	0.8	275°	0.0	
24	18	12	15	37	11	17	42	11	17	*	*	*	37	11	16	43	*	*	*	43	11	18	99	61	86	5.5	0.9	273°	15.0	
25	22	12	17	42	9	22	44	9	22	*	*	*	38	9	20	45	*	*	*	45	10	22	70	27	47	8.5	1.4	278°	0.0	
26	22	10	16	41	8	21	43	8	21	*	*	*	37	7	19	43	*	*	*	44	8	21	82	40	58	5.9	1.0	280°	0.0	
27	25	11	17	47	8	24	48	8	23	*	*	*	43	7	21	48	*	*	*	49	8	23	92	40	69	5.8	0.8	286°	0.0	
28	21	11	16	44	9	21	44	9	20	*	*	*	40	8	19	44	*	*	*	45	9	21	97	66	82	4.8	0.7	99°	0.0	
29	24	12	18	43	10	24	45	10	23	*	*	*	38	9	21	44	*	*	*	46	10	24	98	56	79	4.4	0.7	216°	0.0	
30	24	13	19	49	11	25	50	11	25	*	*	*	45	11	23	49	*	*	*	50	11	25	95	43	70	8.3	0.9	95°	0.0	
31	24	13	19	49	11	25	50	10	24	*	*	*	47	9	23	50	*	*	*	52	11	24	87	32	61	6.4	1.0	79°	0.0	
Monthly Avg.	21	12	16	41	9	21	43	9	21	###	###	###	38	9	19	43	###	###	###	44	10	21	88	40	65	6.8	1.2	223°		
Monthly Total																														61.7
YTD [†] Avg.	18	9	13	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	84	43	64	6.4	1.2	169°		
YTD [†] Total																														272.3

[†] Year To Date

Note: *No data available



**Solar Radiation Summary
May 2021**

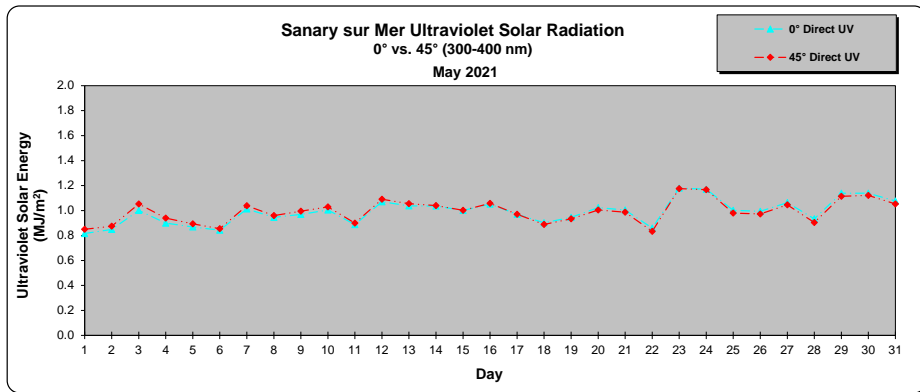
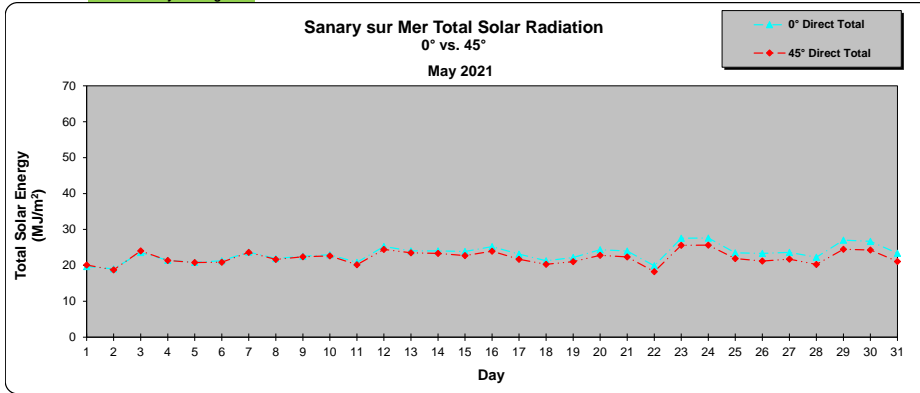
Sanary sur Mer, France

Latitude 43° 08' North, Longitude 05° 49' East, Elevation 110 (m)

Month	Solar Radiation Summary					
	Total Solar Radiation (MJ/m ²)		Ultraviolet Solar Radiation (MJ/m ²)			
	Direct		295-385 nm		300-400 nm	
Day	0°	45°	0°	45°	0°	45°
1	19.7	20.1	1.06	1.10	0.82	0.85
2	19.0	18.7	1.10	1.13	0.85	0.88
3	23.6	24.0	1.29	1.36	1.00	1.05
4	21.4	21.3	1.16	1.21	0.90	0.94
5	20.8	20.8	1.12	1.15	0.87	0.89
6	21.3	20.9	1.09	1.10	0.84	0.85
7	23.7	23.6	1.31	1.34	1.01	1.04
8	21.9	21.7	1.22	1.24	0.95	0.96
9	22.5	22.4	1.25	1.28	0.97	0.99
10	23.0	22.6	1.30	1.33	1.00	1.03
11	20.8	20.2	1.15	1.16	0.89	0.90
12	25.3	24.4	1.38	1.41	1.07	1.09
13	24.0	23.5	1.34	1.36	1.04	1.06
14	24.0	23.3	1.34	1.34	1.04	1.04
15	23.9	22.7	1.29	1.29	1.00	1.00
16	25.2	23.9	1.36	1.36	1.05	1.06
17	23.1	21.7	1.25	1.25	0.97	0.97
18	21.3	20.3	1.17	1.15	0.90	0.89
19	22.2	21.0	1.22	1.20	0.95	0.93
20	24.4	22.8	1.32	1.30	1.02	1.00
21	24.0	22.4	1.30	1.27	1.00	0.99
22	19.9	18.3	1.11	1.07	0.86	0.83
23	27.5	25.6	1.53	1.52	1.18	1.18
24	27.6	25.6	1.51	1.50	1.17	1.17
25	23.5	21.9	1.29	1.26	1.00	0.98
26	23.3	21.2	1.28	1.25	0.99	0.97
27	23.6	21.7	1.37	1.35	1.06	1.05
28	22.3	20.3	1.20	1.17	0.93	0.90
29	27.0	24.5	1.47	1.44	1.14	1.11
30	26.7	24.3	1.47	1.45	1.14	1.12
31	23.4	21.1	1.39	1.36	1.08	1.05
Monthly Total	720.0	686.8	39.65	39.68	30.69	30.78
YTD[†] Total	2204.8	2780.3	115.24	130.68	89.42	102.02

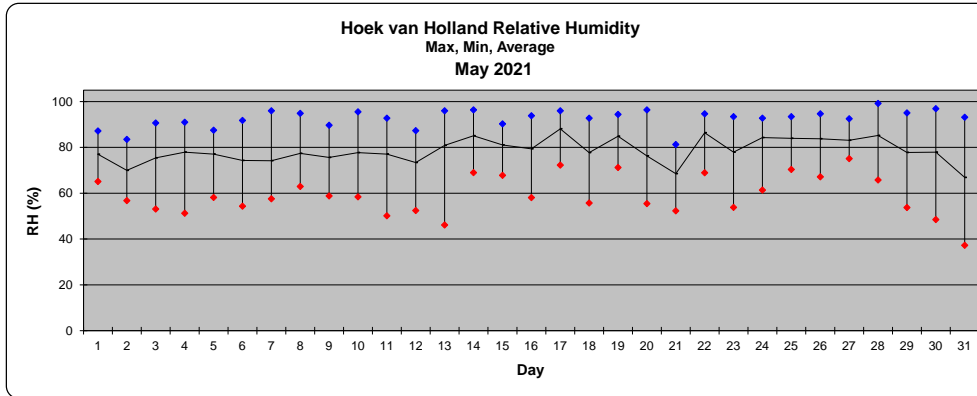
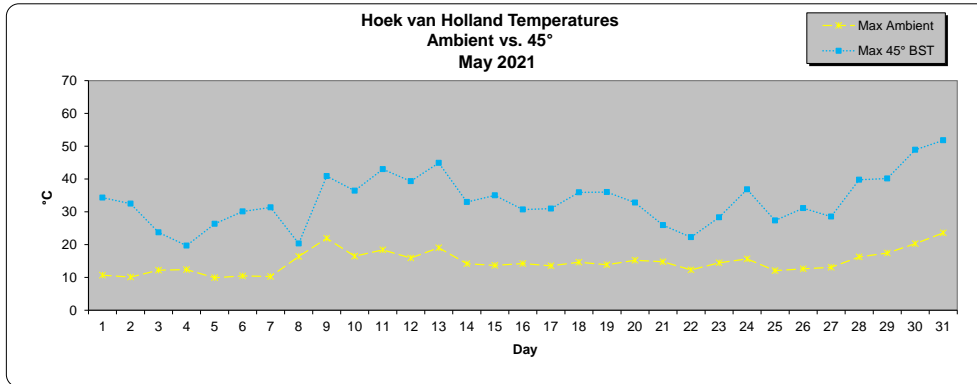
[†] Year To Date Total Solar Radiation - (290-3000 nm) Ultraviolet Solar Radiation - (295-385 nm) or (300-400 nm).

Note: Data = 10yr average



Month	Temperature Summary						Climate Summary						
	Ambient Temperature			Black Metal Panel Temperature (ASTM G179) (°C)			Relative Humidity			Wind Speed		Wind Direction	Rainfall
May	(* C)			45 °			(%)			(m/s)		360°/0°= N	(mm)
Day	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Avg	Avg	Total
1	11	6	8	34	-1	11	87	65	77	7.2	3.8	284°	0.0
2	10	6	8	32	0	11	84	57	70	8.6	3.9	288°	0.0
3	12	7	10	24	1	9	91	53	75	14.6	4.9	184°	0.0
4	12	7	9	20	3	7	91	51	78	19.1	9.5	218°	4.8
5	10	5	7	26	-1	8	88	58	77	15.3	6.8	267°	5.3
6	10	5	8	30	0	8	92	54	74	8.8	3.2	236°	0.0
7	10	2	8	31	-5	9	96	58	74	8.7	3.6	257°	4.6
8	16	6	11	20	-2	8	95	63	77	11.1	3.8	137°	3.8
9	22	12	16	41	8	18	90	59	76	11.8	3.8	146°	2.3
10	16	11	15	36	4	15	96	58	78	11.9	3.6	184°	6.1
11	18	9	13	43	3	14	93	50	77	6.0	1.9	326°	0.0
12	16	9	12	39	3	15	87	52	73	8.4	2.7	213°	0.0
13	19	7	12	45	1	14	96	46	81	16.3	1.9	56°	14.0
14	14	9	11	33	4	14	96	69	85	7.5	2.7	310°	0.0
15	14	8	11	35	3	11	90	68	81	7.7	2.2	140°	0.0
16	14	11	12	31	6	13	94	58	79	9.4	4.2	201°	1.8
17	14	11	11	31	6	11	96	72	88	9.4	4.2	211°	4.1
18	15	11	12	36	6	16	93	56	78	7.9	3.8	243°	2.3
19	14	10	12	36	4	12	94	71	85	9.8	3.7	231°	4.1
20	15	8	13	33	1	12	96	55	76	13.7	4.6	172°	0.0
21	15	11	13	26	7	12	81	52	69	19.2	9.5	190°	0.5
22	12	9	11	22	5	9	95	69	86	14.6	6.1	244°	20.3
23	14	9	11	28	4	12	93	54	78	11.9	3.8	182°	2.8
24	16	9	11	37	5	10	93	61	84	13.2	4.6	159°	8.9
25	12	9	11	27	3	9	93	70	84	13.7	5.7	221°	2.0
26	13	8	11	31	5	11	95	67	84	13.5	5.6	244°	5.8
27	13	9	11	29	3	10	93	75	83	12.1	5.3	296°	0.0
28	16	5	12	40	-1	15	99	66	85	6.7	2.2	358°	0.0
29	17	7	13	40	1	16	95	54	78	8.4	3.0	8°	0.0
30	20	7	14	49	1	18	97	48	78	8.8	2.5	14°	0.0
31	24	10	17	52	3	22	93	37	67	9.1	2.1	34°	0.0
Monthly Avg.	15	8	11	33	3	12	93	59	79	11.1	4.2	202°	
Monthly Total													93.5
YTD[†] Avg.	10	4	7	23	-2	6	93	63	80	10.2	4.1	196°	
YTD[†] Total													314.7

[†] Year To Date For Pollution (SO2, Nox, O3) visit www.lml.rivm.nl
Note: = 5 year average



North Sea Corrosion Test Centre

Solar Radiation Summary

May 2021

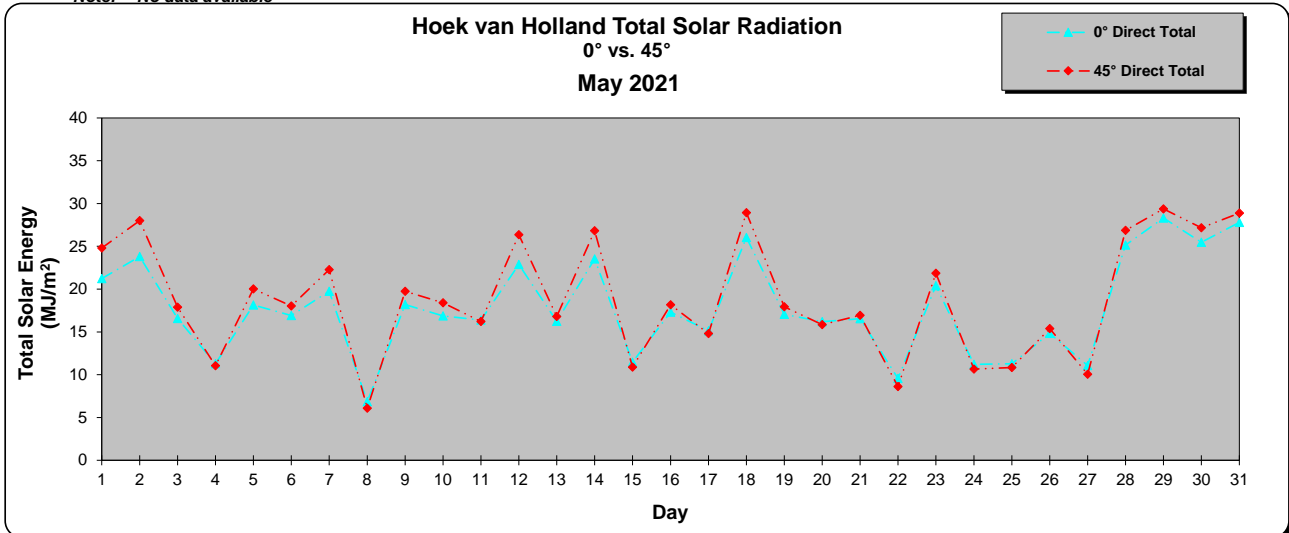
Hoek van Holland, The Netherlands

Latitude 51° 57' North, Longitude 04° 10' East Elevation 6 (m)

AWSG Solar Radiation Summary		
Month	Total Solar Radiation (MJ/m ²)	
May	Direct	
Day	0°	45°
1	21.2	24.8
2	23.8	28.0
3	16.6	17.9
4	11.3	11.0
5	18.2	20.0
6	16.9	18.0
7	19.7	22.3
8	6.8	6.1
9	18.2	19.8
10	16.9	18.4
11	16.4	16.2
12	22.9	26.4
13	16.2	16.8
14	23.5	26.8
15	11.5	10.9
16	17.3	18.2
17	15.1	14.8
18	26.0	28.9
19	17.1	17.9
20	16.2	15.9
21	16.6	17.0
22	9.6	8.6
23	20.4	21.9
24	11.2	10.7
25	11.3	10.8
26	14.8	15.4
27	11.1	10.0
28	25.2	26.9
29	28.3	29.4
30	25.5	27.2
31	27.8	28.9
Monthly Total	553.5	585.7
YTD[†] Total	1577.2	2034.2

[†] Year To Date Total Solar Radiation - (290-3000nm)

Note: * No data available

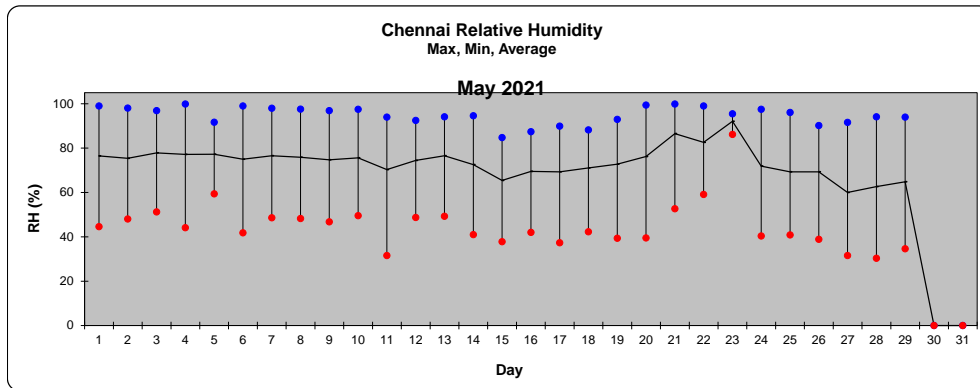
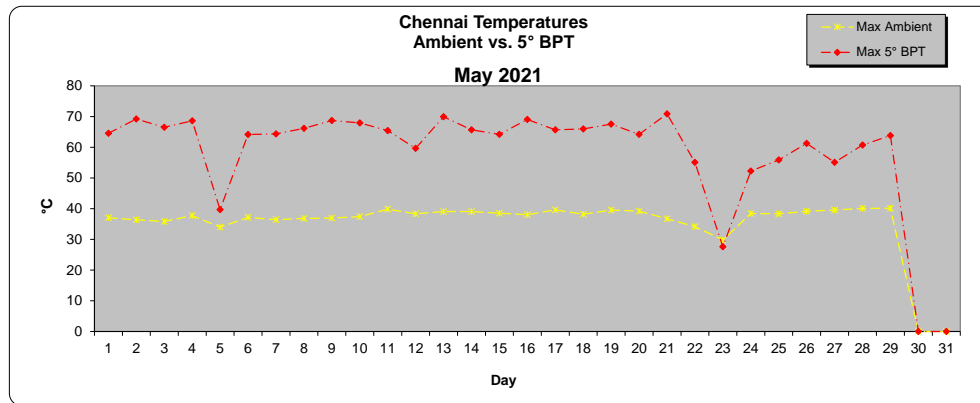


Latitude 12° 35' North, Longitude 79° 48' East Elevation 45 (m)

Month	Temperature Summary						Climate Summary						
	Ambient Temperature			Black Metal Panel Temperature (ASTM G179) (°C)			Relative Humidity			Wind Speed		Wind Direction	Rainfall
May	° C			5 °			%			(m/s)		360°/70° = N	(mm)
Day	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Avg	Avg	Total
1	37	27	31	65	25	35	99	45	76	4.6	1.0	108°	0.0
2	36	26	31	69	24	35	98	48	75	5.0	1.0	89°	0.0
3	36	27	30	67	24	34	97	51	78	5.8	0.8	95°	2.8
4	38	26	31	69	24	35	100	44	77	5.2	0.9	102°	0.0
5	34	28	30	40	25	28	92	59	77	6.0	0.9	120°	0.0
6	37	26	31	64	24	36	99	42	75	5.5	1.0	107°	0.0
7	36	27	31	64	24	35	98	49	77	4.8	1.0	88°	0.0
8	37	27	31	66	25	35	98	48	76	5.4	0.9	85°	0.0
9	37	27	31	69	24	35	97	47	75	5.0	0.9	115°	0.0
10	37	27	31	68	24	35	98	50	76	4.4	0.9	134°	0.0
11	40	27	32	65	25	38	94	32	70	4.9	0.9	167°	0.0
12	38	28	32	60	26	36	93	49	74	4.3	0.7	133°	0.0
13	39	28	32	70	26	37	94	49	77	5.0	0.9	125°	0.0
14	39	28	32	66	26	37	95	41	73	5.7	1.1	128°	0.0
15	39	28	32	64	25	37	85	38	65	5.2	0.9	140°	0.0
16	38	28	32	69	26	35	87	42	69	5.2	0.9	141°	0.0
17	40	27	32	66	24	38	90	37	69	4.9	1.0	137°	0.0
18	38	29	33	66	26	37	88	42	71	4.8	1.0	139°	0.0
19	40	28	32	68	25	37	93	39	73	4.6	1.0	142°	0.0
20	39	25	30	64	23	34	99	39	76	8.0	0.9	217°	36.1
21	37	24	28	71	22	32	100	53	87	7.1	0.9	221°	39.9
22	34	26	30	55	24	32	99	59	83	2.9	0.5	224°	0.3
23	30	29	29	28	27	27	96	86	92	1.0	0.3	93°	0.0
24	38	28	32	52	26	34	98	40	72	6.5	1.1	259°	0.0
25	38	26	31	56	24	34	96	41	69	5.4	1.1	220°	3.8
26	39	26	32	61	25	35	90	39	69	5.0	1.3	240°	0.0
27	40	27	33	55	24	36	92	32	60	5.9	1.3	262°	0.0
28	40	26	32	61	23	36	94	30	63	6.2	1.1	255°	0.0
29	40	26	33	64	24	37	94	35	65	5.6	0.8	244°	0.0
30	*	*	*	*	*	*	*	*	*	*	*	*	0.0
31	*	*	*	*	*	*	*	*	*	*	*	*	0.0
Monthly Avg.	38	27	31	62	25	35	95	45	74	5.2	0.9	156°	
Monthly Total													82.8
YTD [†] Avg.	34	24	28	59	21	32	98	46	79	4.5	0.9	122°	
YTD [†] Total													223.3

[†] Year To Date

Note: * Data Unavailable





ATLAS

WEATHERING SERVICES GROUP



Solar Radiation Summary May 2021

Chennai, India

Latitude 12° 35' North, Longitude 79° 48' East Elevation 45 (m)

AWSG Solar Radiation Summary			
Month	Total Solar Radiation (MJ/m ²)	Ultraviolet Solar Radiation (MJ/m ²)	
		295-385 nm	300-400 nm
May	Direct	295-385 nm	300-400 nm
Day	5°	5°	
1	22.6	0.97	1.08
2	22.9	1.04	1.16
3	20.1	0.92	1.03
4	23.6	1.06	1.18
5	0.8	0.04	0.05
6	25.4	1.11	1.24
7	23.9	1.09	1.21
8	21.5	0.99	1.10
9	22.5	1.02	1.14
10	21.32	0.96	1.07
11	26.5	1.15	1.28
12	16.7	0.77	0.86
13	21.2	0.92	1.03
14	24.3	1.08	1.21
15	24.1	1.08	1.21
16	18.6	0.88	0.99
17	26.1	1.12	1.25
18	22.6	1.00	1.12
19	24.5	1.07	1.19
20	21.4	0.95	1.06
21	18.0	0.86	0.96
22	13.4	0.68	0.75
23	22.4	0.96	1.22
24	21.4	0.94	1.18
25	21.8	0.96	1.20
26	23.5	0.97	1.08
27	25.6	1.06	1.18
28	25.7	1.06	1.18
29	25.5	1.06	1.19
30	21.9	0.97	1.22
31	21.3	0.94	1.19
Monthly Total	670.8	29.66	33.80
YTD¹ Total	3141.6	141.89	159.08

¹ Year To Date Total Solar Radiation - (290-3000nm)

Note:

