



# ATLAS

## WEATHERING SERVICES GROUP

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

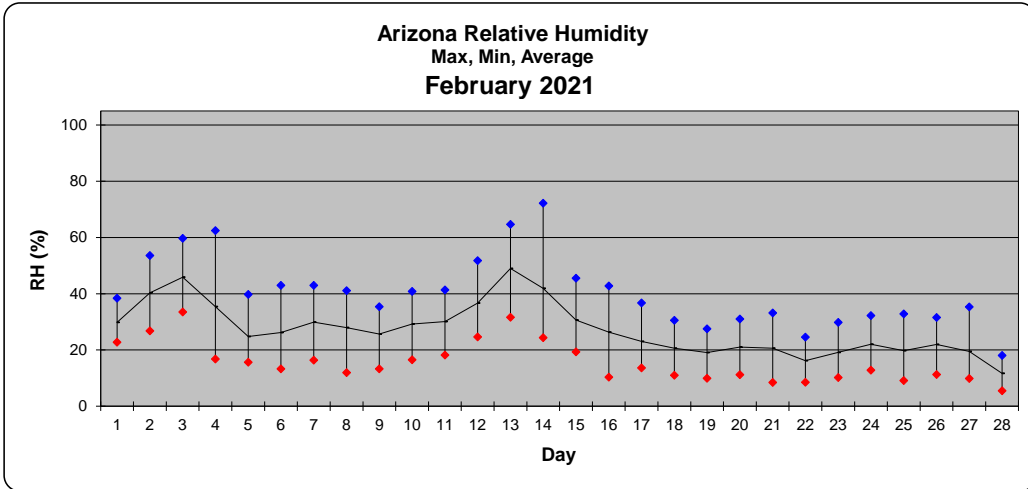
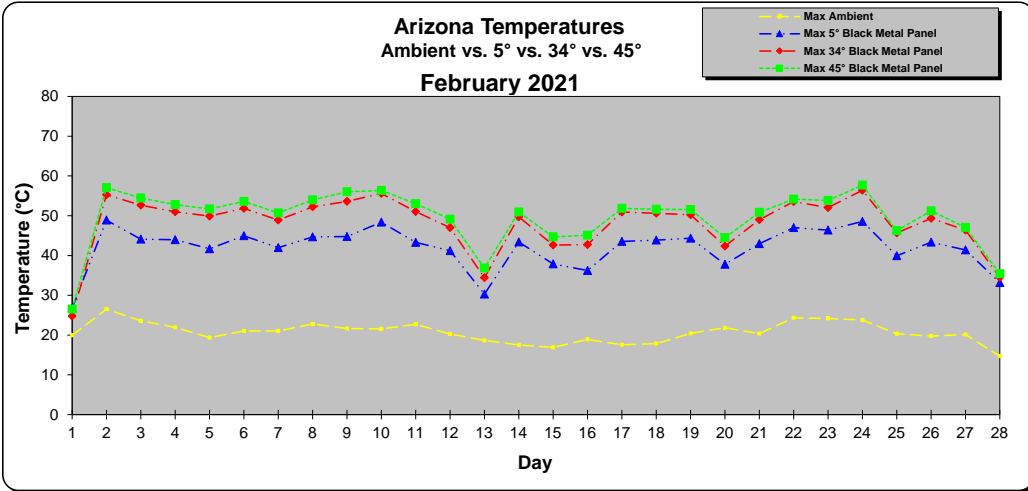


## Weather Summary February 2021 Phoenix, Arizona

AWSG		Temperature Summary												Climate Summary					
Month	Ambient Temperature			Black Metal Panel Temperature (ASTM G179) (° C)									Relative Humidity			Wind Speed		Wind Direction	Rainfall
February	(° 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	20	13	16	27	12	16	25	12	15	27	12	16	38	23	30	11.1	3.8	27°	0.0
2	27	16	20	49	14	23	55	14	24	57	15	25	54	27	40	9.9	2.4	32°	0.0
3	24	15	19	44	12	21	53	12	21	54	12	22	60	34	46	6.7	1.5	90°	0.0
4	22	10	16	44	6	18	51	6	20	53	7	21	62	17	35	10.5	2.5	30°	0.0
5	19	8	13	42	6	16	50	5	18	52	6	19	40	16	25	12.1	3.1	37°	0.0
6	21	8	14	45	5	17	52	5	18	54	6	20	43	13	26	9.9	2.3	31°	0.0
7	21	7	14	42	3	17	49	3	19	51	4	20	43	16	30	6.8	1.7	42°	0.0
8	23	8	14	45	5	18	52	5	20	54	6	21	41	12	28	6.1	1.8	45°	0.0
9	22	8	15	45	6	17	54	7	18	56	7	18	35	13	26	5.4	1.8	51°	0.0
10	22	10	15	48	7	17	56	8	19	56	8	19	41	17	29	5.4	1.4	25°	0.0
11	23	9	15	43	6	18	51	7	21	53	7	21	41	18	30	8.1	1.9	47°	0.0
12	20	11	15	41	6	17	47	7	18	49	7	18	52	25	37	6.7	1.5	360°	0.0
13	19	7	13	30	5	15	34	6	16	37	6	16	65	32	49	11.7	2.5	284°	0.0
14	18	6	11	43	3	15	50	3	17	51	4	17	72	24	42	11.8	1.8	9°	0.0
15	17	5	11	38	2	14	43	3	16	45	3	16	46	19	31	7.0	1.5	96°	0.0
16	19	8	13	36	3	16	43	4	17	45	4	18	43	10	26	11.6	2.2	242°	0.0
17	18	6	11	44	1	14	51	2	16	52	2	16	37	14	23	13.5	2.6	358°	0.0
18	18	5	10	44	3	14	51	4	16	52	4	16	31	11	21	11.3	2.9	25°	0.0
19	20	6	12	44	4	16	50	4	18	52	4	19	28	10	19	8.2	2.3	21°	0.0
20	22	7	14	38	5	17	42	5	19	45	5	20	31	11	21	11.6	2.7	328°	0.0
21	20	8	13	43	4	16	49	5	18	51	5	18	33	8	21	12.3	2.5	16°	0.0
22	24	9	16	47	6	19	54	7	20	54	7	21	25	9	16	11.7	2.9	45°	0.0
23	24	9	16	46	5	19	52	6	21	54	6	22	30	10	19	7.9	2.2	52°	0.0
24	24	9	16	49	6	19	56	6	21	58	6	22	32	13	22	6.4	1.8	57°	0.0
25	20	8	14	40	5	16	46	6	18	46	6	18	33	9	20	11.5	3.1	32°	0.0
26	20	6	12	43	3	16	49	4	17	51	4	18	32	11	22	6.2	1.7	58°	0.0
27	20	4	13	41	2	16	46	2	18	47	2	18	35	10	19	14.0	2.2	337°	0.0
28	15	5	10	33	0	12	34	1	13	35	1	13	18	6	12	13.6	4.0	19°	0.0
<b>Monthly Avg.</b>	21	8	14	42	5	17	48	6	18	50	6	19	41	16	27	9.6	2.3	100°	0.0
<b>Monthly Total</b>																			0.0
<b>YTD<sup>†</sup> Avg.</b>	20	8	13	39	5	15	45	5	16	47	5	17	46	20	32	9.7	2.3	80°	68.1
<b>YTD<sup>†</sup> Total</b>																			

<sup>†</sup> Year To Date

Note:



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

**Miami, Florida**

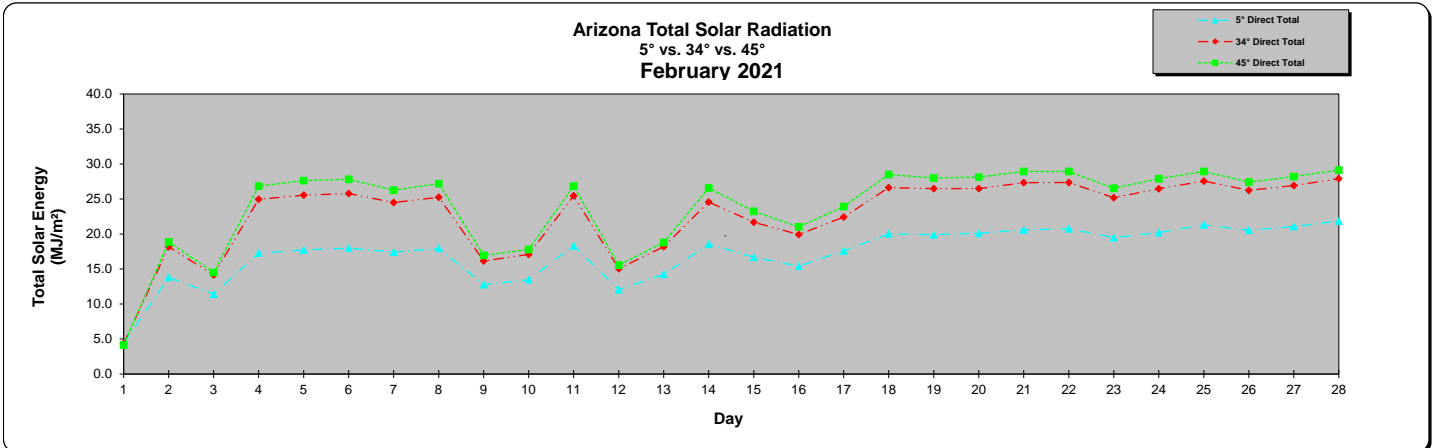
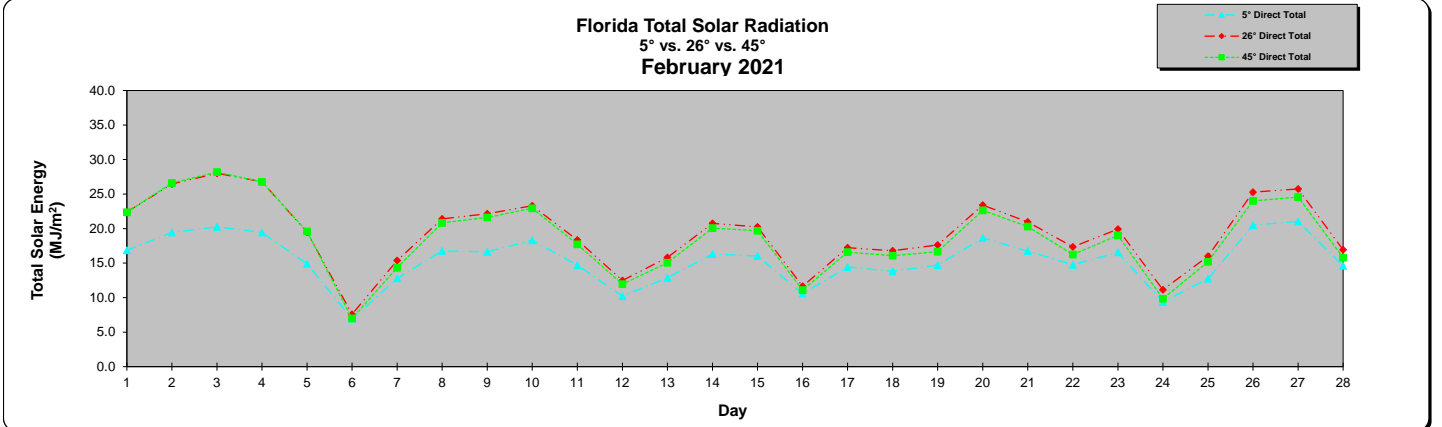
Latitude 33° 54' North, Longitude 112° 08' West, Elevation 610 (m)

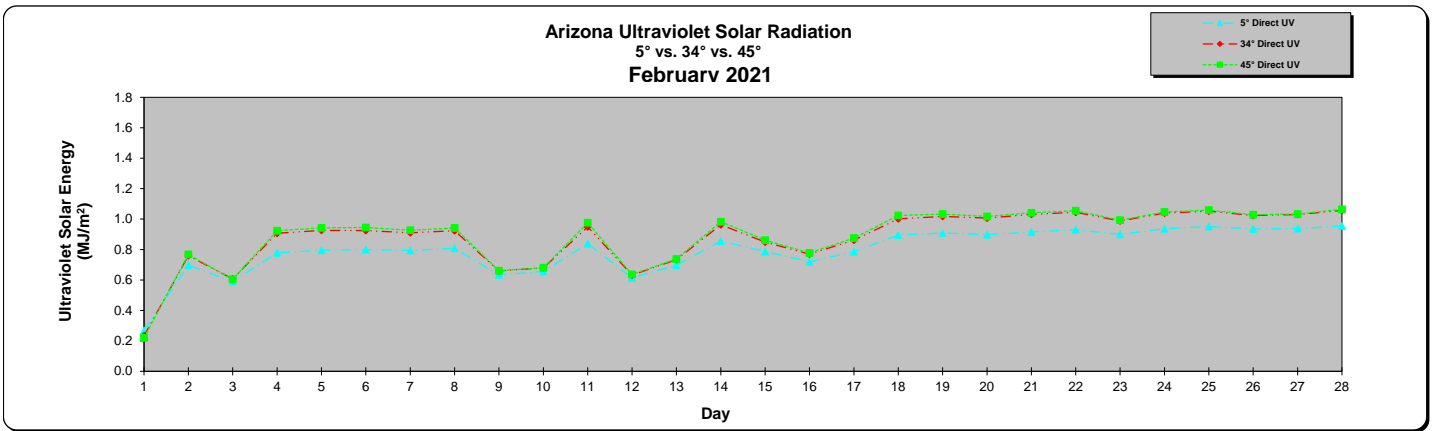
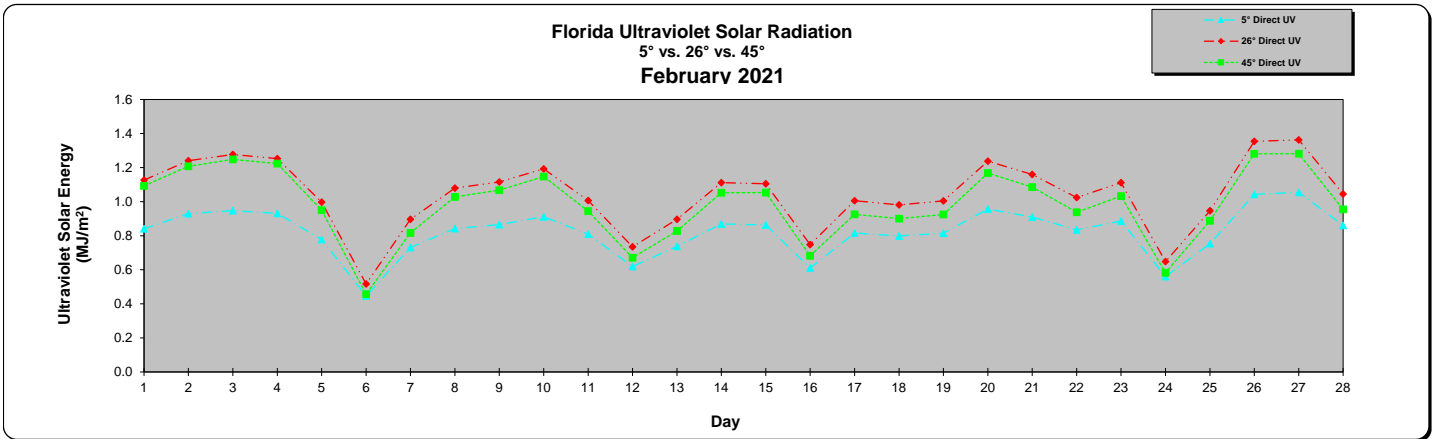
AWSG	Solar Radiation Summary												
	Month	Total Solar Radiation (MJ/m <sup>2</sup> )						Ultraviolet Solar Radiation (MJ/m <sup>2</sup> )					
		Direct			Underglass			Direct			Underglass		
	February	5°	26°	45°	5°	26°	45°	5°	26°	45°	5°	26°	45°
1	16.9	22.4	22.4	14.3	18.4	20.2	0.84	1.13	1.09	0.52	0.72	0.68	
2	19.4	26.5	26.6	16.3	21.2	23.7	0.93	1.24	1.21	0.59	0.81	0.77	
3	20.3	28.0	28.2	17.0	22.3	25.1	0.95	1.28	1.25	0.60	0.84	0.80	
4	19.4	26.8	26.8	16.6	21.4	23.9	0.93	1.25	1.22	0.57	0.80	0.76	
5	14.9	19.5	19.6	12.6	15.4	16.9	0.78	1.00	0.95	0.47	0.62	0.52	
6	6.9	7.6	7.0	5.8	6.5	6.2	0.45	0.52	0.46	0.27	0.32	0.25	
7	12.8	15.4	14.3	10.8	12.3	12.7	0.73	0.90	0.82	0.44	0.55	0.49	
8	16.8	21.4	20.8	14.1	17.3	18.5	0.84	1.08	1.03	0.51	0.68	0.61	
9	16.6	22.1	21.6	13.7	17.9	19.1	0.87	1.12	1.07	0.52	0.70	0.64	
10	18.3	23.3	22.9	14.8	18.6	20.1	0.91	1.19	1.15	0.55	0.75	0.69	
11	14.7	18.3	17.7	11.8	14.6	15.5	0.81	1.01	0.94	0.48	0.62	0.56	
12	10.2	12.5	11.9	8.3	9.9	10.3	0.62	0.73	0.67	0.37	0.45	0.40	
13	12.9	15.8	15.1	10.5	12.6	13.2	0.74	0.90	0.83	0.44	0.55	0.49	
14	16.3	20.8	20.1	13.3	16.5	17.7	0.87	1.11	1.05	0.52	0.69	0.62	
15	16.0	20.2	19.7	13.2	16.1	17.4	0.86	1.11	1.05	0.52	0.69	0.62	
16	10.6	11.7	11.1	8.7	9.8	10.2	0.61	0.75	0.68	0.39	0.47	0.42	
17	14.4	17.2	16.6	11.6	13.8	14.9	0.82	1.01	0.93	0.50	0.61	0.55	
18	13.8	16.8	16.1	11.2	13.1	13.9	0.80	0.98	0.90	0.47	0.59	0.53	
19	14.7	17.6	16.6	12.0	14.0	14.6	0.81	1.00	0.92	0.49	0.62	0.55	
20	18.6	23.4	22.6	15.5	18.6	19.8	0.96	1.24	1.17	0.59	0.77	0.70	
21	16.7	21.0	20.3	13.8	16.5	17.5	0.91	1.16	1.09	0.54	0.71	0.65	
22	14.8	17.3	16.2	12.1	13.7	14.1	0.83	1.02	0.94	0.49	0.62	0.55	
23	16.6	19.9	19.0	13.7	16.0	16.7	0.89	1.11	1.03	0.54	0.69	0.61	
24	9.4	11.1	9.8	7.4	8.4	8.5	0.56	0.65	0.58	0.33	0.40	0.34	
25	12.7	16.0	15.2	10.7	12.6	13.3	0.75	0.95	0.89	0.48	0.58	0.52	
26	20.5	25.3	24.0	17.0	20.1	21.2	1.04	1.35	1.28	0.66	0.84	0.75	
27	21.0	25.7	24.6	17.5	20.4	21.5	1.05	1.36	1.28	0.66	0.84	0.75	
28	14.6	16.9	15.8	12.0	13.4	13.7	0.86	1.05	0.95	0.53	0.63	0.55	
Monthly Total	430.9	540.6	522.6	356.1	431.5	460.5	23.02	29.18	27.43	14.02	18.14	16.39	
YTD <sup>†</sup> Total	860.6	1128.4	1112.3	718.8	905.1	988.2	45.21	57.80	55.16	27.64	36.39	35.80	

AWSG	Solar Radiation Summary												EMMAQUA™		
	Month	Total Solar Radiation (MJ/m <sup>2</sup> )						Ultraviolet Solar Radiation (MJ/m <sup>2</sup> )						Total	UV
		February	Direct			Underglass			Direct			Underglass			
	Day		5°	34°	45°	5°	34°	45°	5°	34°	45°	5°	34°	45°	(MJ/m <sup>2</sup> )
1	4.4	4.3	4.2	3.7	3.7	3.7	0.27	0.23	0.22	0.18	0.17	0.15	0	0.00	
2	13.8	18.2	18.9	11.6	16.0	17.4	0.70	0.76	0.77	0.48	0.57	0.55	0	0.00	
3	11.4	14.2	14.5	9.6	12.4	13.3	0.59	0.61	0.60	0.41	0.45	0.43	0	0.00	
4	17.3	25.0	26.8	14.0	21.7	24.3	0.78	0.91	0.92	0.54	0.68	0.67	209	5.62	
5	17.7	25.6	27.6	14.4	22.2	24.9	0.80	0.93	0.94	0.55	0.69	0.69	171	5.08	
6	18.0	25.8	27.8	14.5	22.4	25.1	0.80	0.93	0.95	0.55	0.69	0.69	180	5.44	
7	17.4	24.5	26.3	14.3	21.5	23.8	0.79	0.91	0.93	0.55	0.68	0.67	172	3.57	
8	18.0	25.3	27.2	14.5	22.0	24.5	0.81	0.92	0.94	0.55	0.69	0.68	172	5.22	
9	12.8	16.2	17.0	10.6	14.1	15.2	0.63	0.66	0.66	0.43	0.48	0.47	0	0.00	
10	13.5	17.1	17.8	11.0	14.7	16.0	0.66	0.68	0.68	0.45	0.50	0.49	0	0.00	
11	18.3	25.5	26.9	14.9	22.2	24.6	0.84	0.95	0.98	0.57	0.71	0.70	188	5.56	
12	12.0	15.1	15.6	10.0	13.1	14.1	0.61	0.63	0.64	0.42	0.47	0.45	34	1.55	
13	14.3	18.2	18.8	11.8	15.8	17.1	0.70	0.73	0.74	0.48	0.54	0.53	0	0.00	
14	18.5	24.6	26.6	15.1	21.8	24.0	0.86	0.96	0.98	0.58	0.72	0.71	168	5.31	
15	16.7	21.7	23.2	13.5	18.9	20.7	0.79	0.85	0.86	0.53	0.63	0.61	59	2.02	
16	15.4	19.9	21.0	12.6	17.1	18.7	0.72	0.77	0.78	0.49	0.58	0.56	89	2.74	
17	17.6	22.4	23.9	14.7	20.1	21.8	0.79	0.86	0.88	0.55	0.66	0.64	135	3.95	
18	20.0	26.6	28.5	16.5	23.7	25.8	0.90	1.00	1.02	0.62	0.76	0.75	150	4.76	
19	19.9	26.5	28.0	16.4	23.3	25.4	0.91	1.02	1.03	0.63	0.76	0.75	205	6.15	
20	20.1	26.5	28.1	16.7	23.4	25.6	0.90	1.01	1.02	0.63	0.75	0.74	190	5.61	
21	20.6	27.3	28.9	17.0	24.0	26.0	0.92	1.03	1.04	0.64	0.77	0.76	135	3.36	
22	20.8	27.4	28.9	17.2	24.0	26.0	0.93	1.05	1.06	0.65	0.78	0.76	135	4.28	
23	19.5	25.2	26.5	16.2	22.0	23.8	0.90	0.99	0.99	0.63	0.73	0.71	154	4.74	
24	20.2	26.5	27.9	16.8	23.1	25.1	0.94	1.04	1.05	0.65	0.77	0.75	210	6.11	
25	21.3	27.6	28.9	17.7	24.1	26.0	0.95	1.05	1.06	0.66	0.79	0.77	0	0.00	
26	20.6	26.2	27.4	17.1	22.9	24.7	0.94	1.02	1.03	0.65	0.76	0.74	151	4.60	
27	21.1	26.9	28.2	17.5	23.6	25.4	0.94	1.03	1.03	0.66	0.77	0.74	184	5.12	
28	21.9	27.9	29.1	18.1	24.5	26.1	0.96	1.06	1.06	0.68	0.80	0.77	0	0.00	
Monthly Total	482.9	637.8	674.7	397.7	558.3	609.3	22.27	24.58	24.86	15.41	18.33	17.89	3092	90.81	
YTD <sup>†</sup> Total	853.7	1184.4	1271.9	692.7	1035.0	1147.1	38.37	43.19	44.36	26.33	32.64	32.08	4789.77	127.28	

<sup>†</sup> Year To Date

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



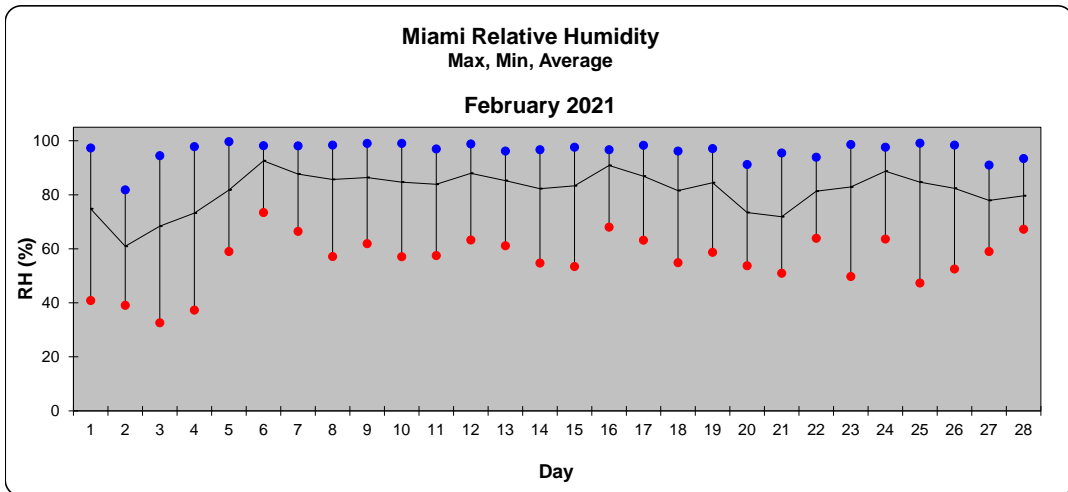
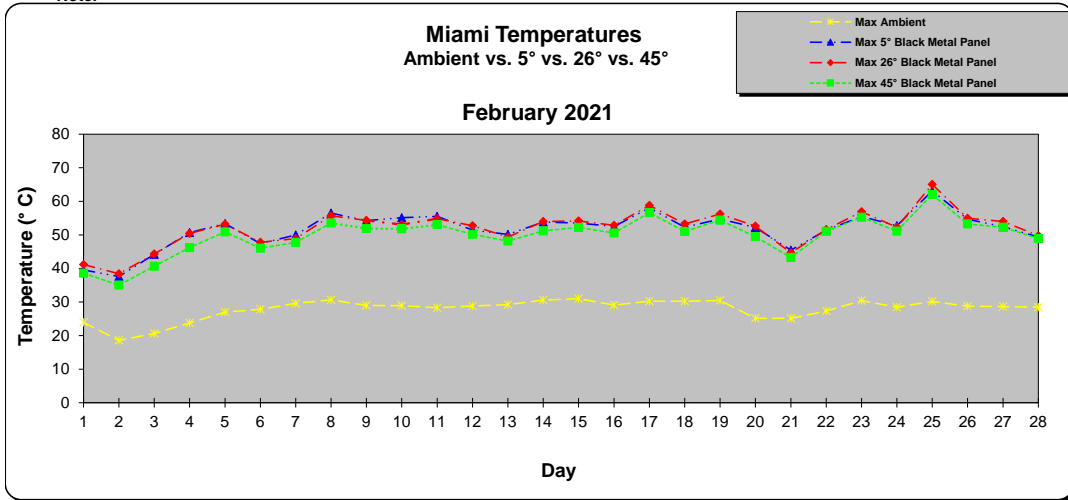


Latitude 25° 34' North, Longitude 80° 28' West, Elevation 2 (m)

Month	Temperature Summary												Climate Summary						
	Ambient Temperature (° C)			Black Metal Panel Temperature (ASTM G179) (° C)									Relative Humidity (%)			Wind Speed m/sec		Wind Direction 360°/0°=N	Rainfall (mm)
February	5 °			26 °			45 °												
Day	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Avg.	Avg	Total
1	24	14	19	40	12	22	41	12	22	39	12	21	97	41	75	34.5	0.7	253°	4.8
2	19	10	14	38	6	17	38	6	17	35	6	16	82	39	61	26.6	1.0	294°	0.0
3	21	6	13	44	4	17	44	4	17	41	4	15	95	33	68	17.2	0.3	297°	0.0
4	24	4	14	51	1	20	50	1	19	46	1	18	98	37	73	15.8	0.0	142°	0.0
5	27	8	18	53	8	23	53	8	23	51	7	21	100	59	82	15.4	0.0	127°	0.0
6	28	19	22	47	20	25	48	20	25	46	20	24	98	73	93	18.0	0.0	135°	13.7
7	30	21	24	50	19	28	49	19	28	48	19	27	98	66	88	23.0	0.0	194°	0.0
8	31	19	24	56	17	29	56	17	29	54	17	28	98	57	86	16.9	0.0	132°	0.0
9	29	18	23	54	17	28	54	17	27	52	17	26	99	62	86	18.7	0.0	94°	0.0
10	29	18	23	55	17	28	53	17	27	52	16	26	99	57	85	19.4	0.0	90°	0.0
11	28	20	23	56	18	27	55	18	27	53	17	26	97	58	84	20.1	0.0	107°	0.0
12	29	17	23	51	17	25	53	16	25	50	16	25	99	63	88	16.2	0.0	121°	0.0
13	29	22	25	50	21	28	49	21	28	48	20	27	96	61	85	19.8	1.0	140°	0.3
14	31	22	26	54	21	30	54	21	30	51	21	29	97	55	82	18.0	0.0	154°	0.0
15	31	21	26	54	20	29	54	19	29	52	19	29	98	53	83	19.4	0.0	142°	0.3
16	29	21	24	53	21	26	53	21	26	51	21	26	97	68	91	24.4	0.0	181°	46.5
17	30	21	25	58	21	28	59	21	28	57	21	28	98	63	87	17.2	0.3	136°	1.5
18	30	21	25	52	20	28	53	20	28	51	19	27	96	55	82	18.3	1.0	135°	0.0
19	30	19	25	55	20	29	56	20	29	54	20	28	97	59	84	17.6	0.3	192°	0.0
20	25	16	20	52	15	25	53	15	25	49	15	24	91	54	73	16.9	1.4	163°	0.0
21	25	15	21	45	13	24	45	13	24	43	13	23	96	51	72	27.7	0.0	77°	0.0
22	27	20	23	51	19	26	52	19	26	51	19	26	94	64	81	21.6	1.8	109°	0.0
23	30	17	23	56	17	28	57	17	28	55	16	27	99	50	83	23.0	0.0	165°	8.9
24	28	18	22	53	17	24	52	17	24	51	17	24	98	64	89	15.8	0.0	115°	6.4
25	30	16	22	63	15	26	65	15	26	62	15	25	99	47	85	14.0	0.0	136°	0.0
26	29	19	24	55	17	29	55	17	29	53	17	28	98	53	82	19.0	0.0	93°	0.5
27	29	22	25	52	21	30	54	21	30	52	20	29	91	59	78	22.6	2.8	103°	0.0
28	28	22	25	49	21	27	50	21	27	49	21	27	93	67	80	26.2	2.1	106°	0.0
Monthly Avg.	28	17	22	52	16	26	52	16	26	50	16	25	96	56	82	20.1	0.5	147°	
Monthly Total																			82.8
YTD <sup>†</sup> Avg.	27	15	20	51	14	24	51	14	24	48	13	23	97	53	80	18.3	0.3	158°	
YTD <sup>†</sup> Total																			88.4

<sup>†</sup> Year To Date

Note:

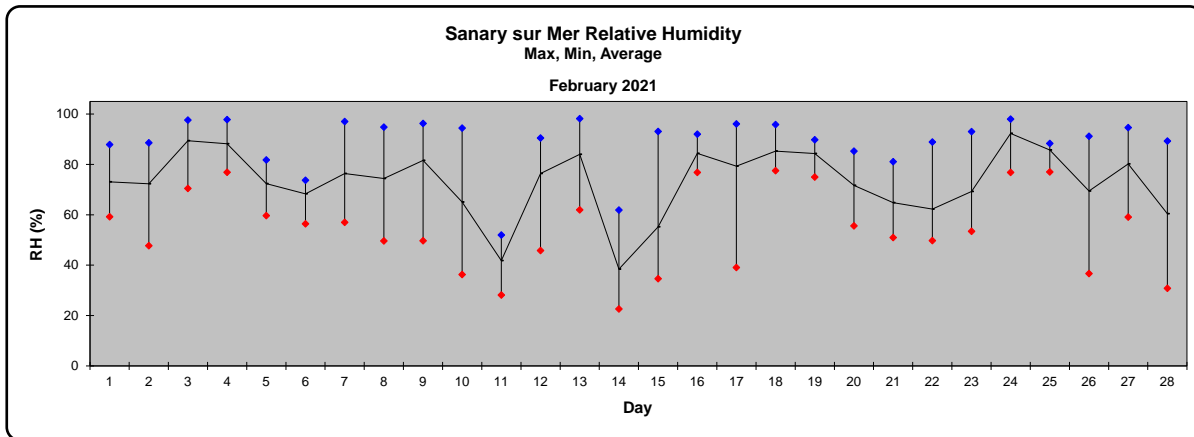
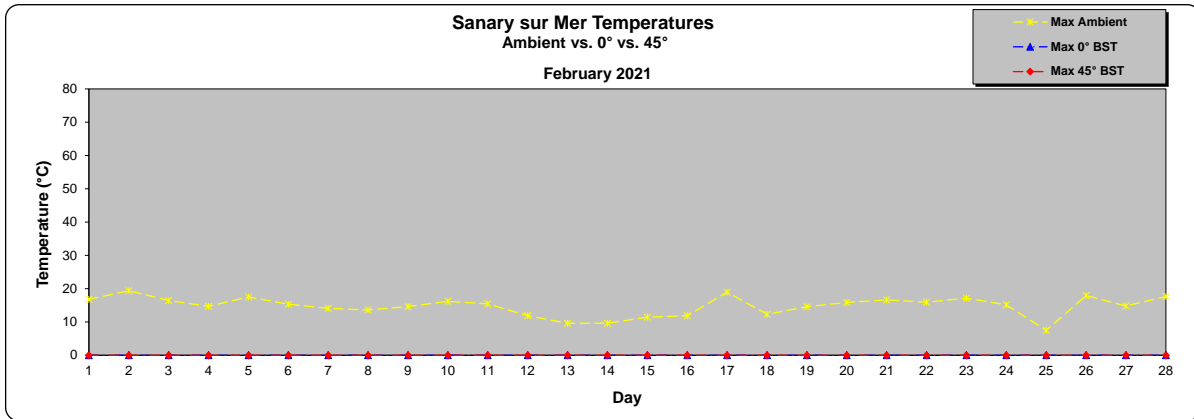


Latitude 43° 08' North, Longitude 05° 49' East, Elevation 110 (m)

AWSG	Temperature Summary																		Climate Summary										
	Month	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			
		February	°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	Avg	Avg	Total		
1	17	10	13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	88	59	73	7.5	1.6	277°	0.0
2	19	8	13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	89	48	72	5.5	0.7	291°	0.0
3	16	9	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	98	71	89	6.3	1.0	63°	0.0
4	15	9	12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	98	77	88	6.9	1.3	72°	0.0
5	18	13	14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	82	60	72	8.9	2.5	88°	0.0
6	15	13	14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	74	56	68	11.3	3.6	84°	0.0
7	14	7	10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	97	57	76	6.0	1.2	270°	1.5
8	14	6	9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	95	50	74	4.8	0.7	317°	6.1
9	15	6	10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	96	50	82	6.4	1.0	278°	2.8
10	16	7	12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	94	36	65	6.4	1.2	277°	0.3
11	15	8	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	52	28	42	9.3	1.9	274°	0.0
12	12	7	9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	91	46	76	8.2	1.5	68°	1.5
13	10	5	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	98	62	84	5.9	1.0	86°	1.3
14	10	3	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	62	23	38	8.2	2.2	87°	0.0
15	11	4	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	93	35	55	5.0	0.8	79°	0.0
16	12	7	10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	92	77	84	4.9	1.0	265°	0.3
17	19	8	12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	96	39	79	6.4	0.9	291°	0.0
18	12	8	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	96	78	85	4.9	1.1	89°	0.0
19	15	10	12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	90	75	84	5.9	1.4	91°	0.0
20	16	11	13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	85	56	72	7.7	1.8	95°	0.0
21	17	11	13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	81	51	65	11.3	3.4	86°	0.0
22	16	11	14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	89	50	62	11.4	3.4	88°	1.0
23	17	9	14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	93	53	69	7.2	1.2	88°	0.0
24	15	6	10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	98	77	92	3.1	0.5	174°	0.0
25	7	6	7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	88	77	86	0.7	0.1	19°	0.0
26	18	6	11	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	91	37	69	3.8	0.6	359°	0.0
27	15	6	10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	95	59	80	6.4	0.5	22°	3.8
28	18	8	13	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	89	31	60	9.3	1.8	89°	0.0
Monthly Avg.	15	8	11	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	89	54	73	6.8	1.4	156°	
Monthly Total																													18.5
YTD <sup>†</sup> Avg.	16	8	12	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	###	85	47	67	6.5	1.3	152°	
YTD <sup>†</sup> Total																													114.6

<sup>†</sup> Year To Date

Note: \*No data available



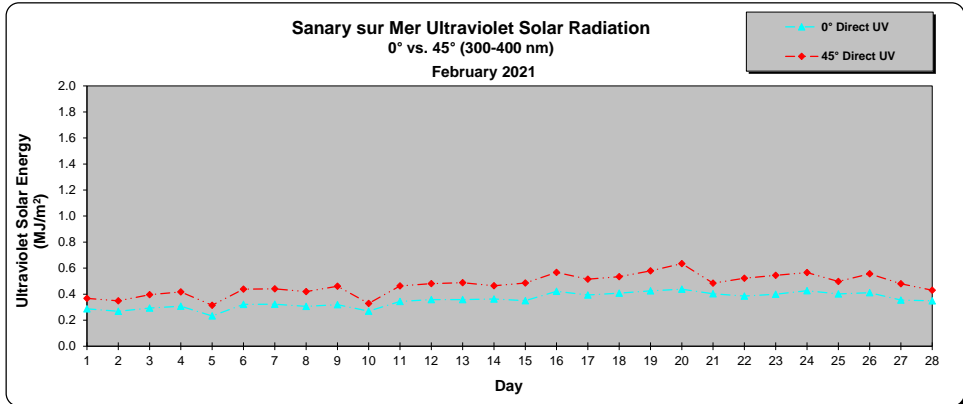
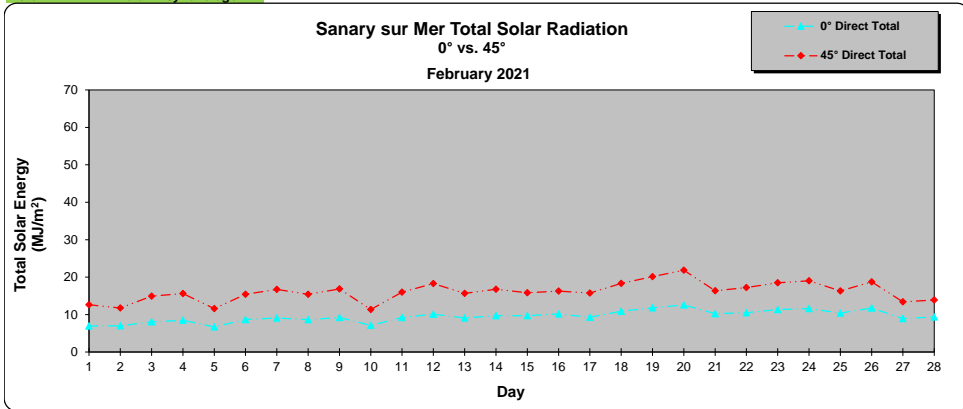
**Solar Radiation Summary**  
**February 2021**  
**Sanary sur Mer, France**

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

AWSG Solar Radiation Summary						
Month	Total Solar Radiation (MJ/m <sup>2</sup> )		Ultraviolet Solar Radiation (MJ/m <sup>2</sup> )			
February	Direct		295-385 nm		300-400 nm	
Day	0°	45°	0°	45°	0°	45°
1	6.9	12.6	0.36	0.46	0.29	0.37
2	7.0	11.7	0.36	0.46	0.27	0.35
3	8.0	14.9	0.38	0.51	0.29	0.40
4	8.5	15.6	0.41	0.56	0.31	0.42
5	6.7	11.6	0.32	0.44	0.23	0.32
6	8.7	15.4	0.42	0.56	0.32	0.44
7	9.1	16.7	0.43	0.58	0.32	0.44
8	8.6	15.4	0.40	0.54	0.31	0.42
9	9.2	16.8	0.42	0.60	0.32	0.46
10	7.1	11.4	0.32	0.39	0.27	0.33
11	9.2	16.0	0.40	0.54	0.34	0.46
12	10.1	18.3	0.42	0.56	0.36	0.48
13	9.1	15.6	0.42	0.57	0.36	0.49
14	9.7	16.7	0.48	0.62	0.36	0.46
15	9.7	15.8	0.46	0.64	0.35	0.49
16	10.2	16.3	0.51	0.68	0.42	0.57
17	9.3	15.8	0.46	0.60	0.39	0.52
18	10.9	18.3	0.53	0.70	0.41	0.53
19	11.8	20.1	0.56	0.76	0.43	0.58
20	12.6	21.9	0.57	0.82	0.44	0.63
21	10.2	16.4	0.53	0.64	0.40	0.48
22	10.5	17.2	0.51	0.69	0.39	0.52
23	11.3	18.5	0.53	0.72	0.40	0.55
24	11.6	19.0	0.56	0.74	0.43	0.57
25	10.4	16.3	0.52	0.64	0.40	0.50
26	11.8	18.7	0.54	0.73	0.41	0.56
27	8.9	13.4	0.44	0.58	0.36	0.48
28	9.4	13.9	0.48	0.59	0.35	0.43
Monthly Total	266.6	450.5	12.76	16.95	9.92	13.23
YTD <sup>1</sup> Total	465.5	856.3	22.05	29.61	17.23	23.25

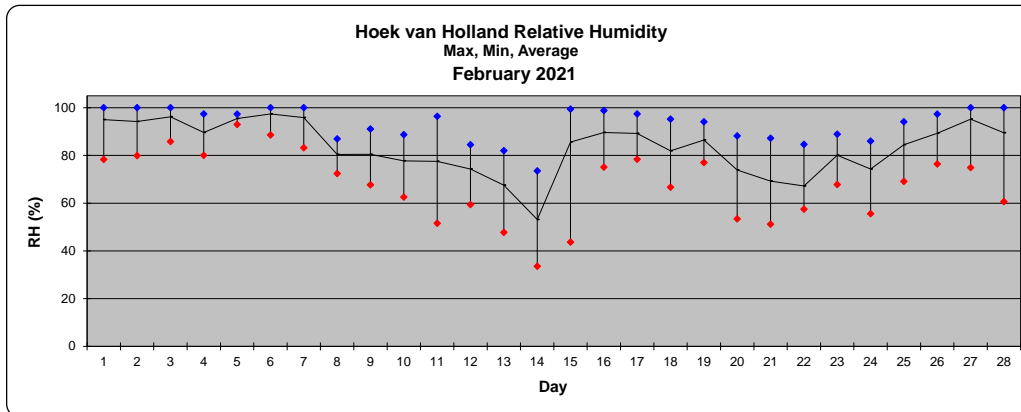
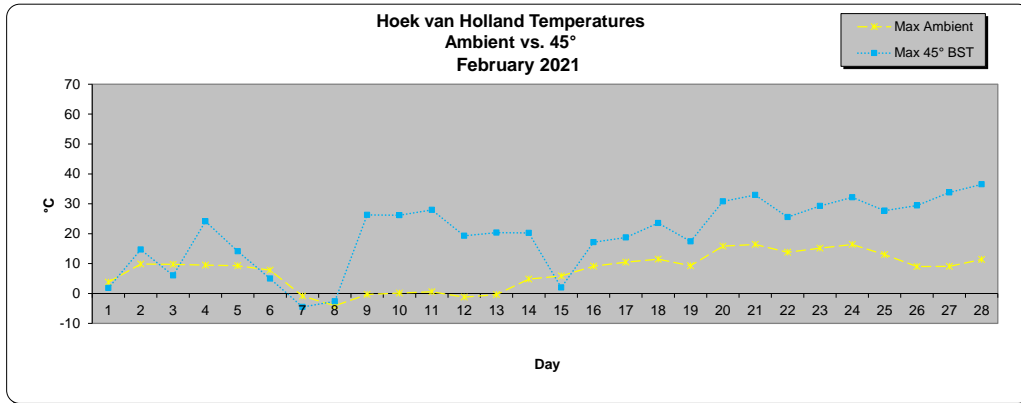
<sup>1</sup>Year To Date Total Solar Radiation - (290-3000 nm) Ultraviolet Solar Radiation - (295-385 nm) or (300-400 nm).

Note: Data = 10yr average



AWSG	Temperature Summary						Climate Summary						
	Ambient Temperature			Black Metal Panel Temperature (ASTM G179) (°C)			Relative Humidity			Wind Speed		Wind Direction	Rainfall
Month	° C			45 °			%			(m/s)		360°/0°= N	(mm)
February	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Avg	Avg	Total
1	4	0	2	2	-4	-2	100	78	95	5.7	2.3	14°	2.8
2	10	2	5	15	-6	2	100	80	94	11.5	3.1	131°	5.8
3	10	7	8	6	3	4	100	86	96	13.1	4.6	196°	14.2
4	10	5	8	24	1	6	97	80	90	10.4	3.2	162°	0.8
5	9	6	8	14	1	4	97	93	96	5.2	1.8	117°	1.5
6	8	-1	5	5	-5	1	100	89	97	11.9	3.4	57°	1.5
7	-1	-5	-4	-5	-9	-7	100	83	96	14.6	7.4	31°	0.0
8	-4	-6	-5	-3	-10	-8	87	72	80	11.8	5.5	37°	0.0
9	0	-7	-3	26	-13	-4	91	68	81	7.5	3.2	37°	0.0
10	0	-6	-3	26	-13	-4	89	63	78	6.8	3.1	26°	0.0
11	1	-8	-4	28	-17	-4	96	52	78	4.4	1.5	45°	0.3
12	-1	-8	-5	19	-16	-5	85	59	74	9.5	2.7	56°	0.0
13	0	-8	-4	20	-16	-4	82	48	68	7.6	2.6	71°	0.0
14	5	-6	0	20	-14	-1	74	34	53	8.2	3.2	108°	0.0
15	6	2	3	2	-3	-1	99	44	86	12.3	5.5	155°	6.6
16	9	4	6	17	0	4	99	75	90	12.0	5.7	164°	1.8
17	11	6	8	19	2	6	97	78	89	11.9	5.9	177°	0.0
18	12	6	8	24	1	5	95	67	82	9.9	4.7	151°	2.5
19	9	4	7	17	-2	5	94	77	87	10.5	5.3	158°	0.0
20	16	8	11	31	4	11	88	53	74	9.4	4.1	135°	0.0
21	16	7	11	33	-1	11	87	51	69	8.5	3.3	134°	0.0
22	14	7	11	26	0	9	85	57	67	8.6	3.8	149°	0.0
23	15	10	12	29	5	11	89	68	80	9.9	4.8	160°	0.0
24	16	10	13	32	5	12	86	56	74	11.4	5.5	159°	0.0
25	13	7	10	28	2	9	94	69	85	7.3	3.6	198°	0.0
26	9	5	7	29	-1	8	97	76	89	7.9	2.7	291°	0.8
27	9	1	5	34	-5	6	100	75	95	4.9	1.5	337°	0.3
28	11	1	5	36	-6	6	100	61	90	7.1	2.1	32°	0.3
Monthly Avg.	8	2	4	20	-4	3	93	68	83	9.3	3.8	125°	
Monthly Total													39.1
YTD <sup>†</sup> Avg.	7	2	4	16	-4	2	95	70	85	9.8	4.0	157°	
YTD <sup>†</sup> Total													126.2

<sup>†</sup> Year To Date For Pollution (SO2, NOx, O3) visit [www.lml.rivm.nl](http://www.lml.rivm.nl)  
Note: = 5 year average

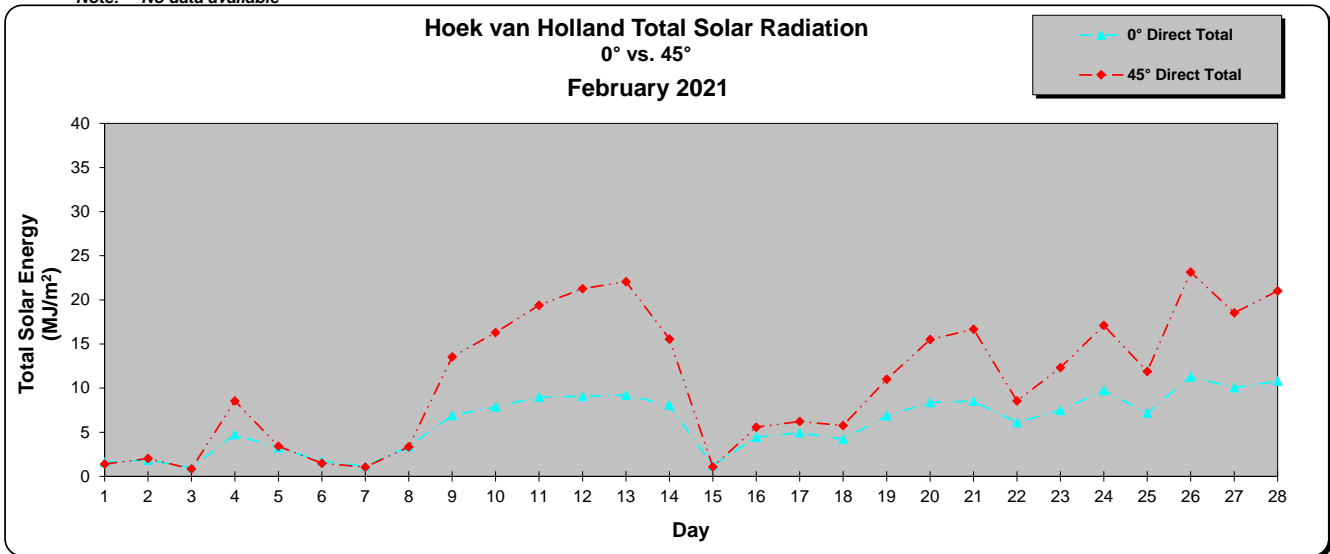


North Sea Corrosion Test Centre  
**Solar Radiation Summary**  
**February 2021**

**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 <sup>2</sup> )	
February	Direct	
Day	0°	45°
1	1.6	1.4
2	1.9	2.0
3	1.0	0.8
4	4.7	8.5
5	3.2	3.4
6	1.7	1.5
7	1.1	1.1
8	3.4	3.4
9	6.9	13.5
10	7.9	16.3
11	9.0	19.4
12	9.1	21.3
13	9.2	22.1
14	8.1	15.6
15	1.2	1.1
16	4.4	5.6
17	5.0	6.2
18	4.2	5.8
19	6.9	11.0
20	8.4	15.5
21	8.5	16.7
22	6.1	8.5
23	7.5	12.3
24	9.7	17.1
25	7.2	11.9
26	11.3	23.2
27	10.1	18.5
28	10.8	21.0
<b>Monthly Total</b>	<b>170.1</b>	<b>304.6</b>
<b>YTD<sup>1</sup> Total</b>	<b>247.3</b>	<b>446.7</b>

<sup>1</sup> Year To Date Total Solar Radiation - (290-3000nm)  
 Note: \* No data available



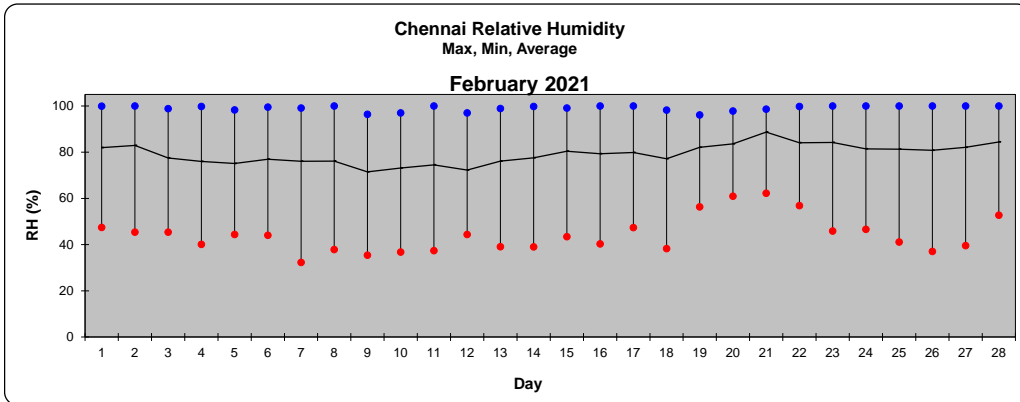
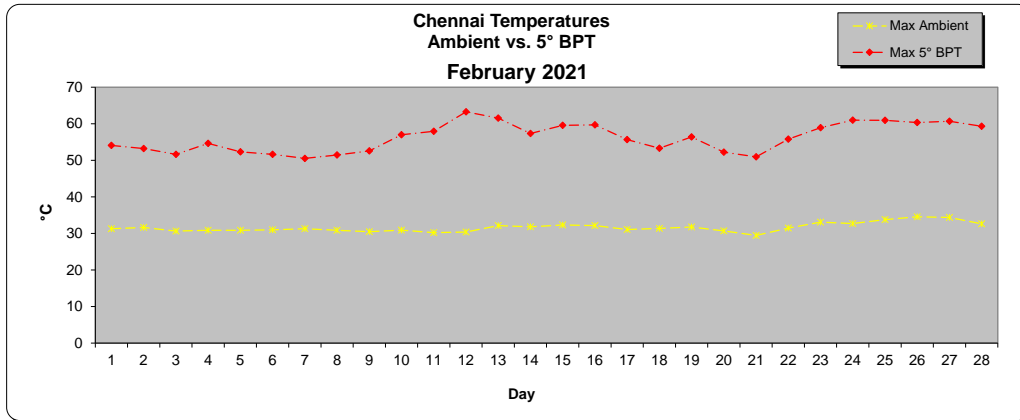


Latitude 12° 35' North, Longitude 79° 48' East Elevation 45 (m)

Month	Temperature Summary						Climate Summary						
	Ambient Temperature			Black Metal Panel Temperature (ASTM G179) (°C)			Relative Humidity			Wind Speed		Wind Direction	Rainfall
February	° C			5 °			%			(m/s)		360°/0°= N	(mm)
Day	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Avg	Avg	Total
1	31	22	26	54	20	28	100	47	82	5.3	1.0	353°	0.0
2	32	22	26	53	19	28	100	45	83	4.9	0.9	6°	0.0
3	31	22	26	52	19	28	99	45	77	4.7	0.9	14°	0.0
4	31	20	25	55	17	27	100	40	76	4.6	0.9	6°	0.0
5	31	19	25	52	17	27	98	44	75	4.0	1.0	346°	0.0
6	31	19	24	52	16	27	100	44	77	4.3	0.9	1°	0.0
7	31	19	25	51	16	28	99	32	76	6.9	1.0	342°	0.0
8	31	20	25	51	17	27	100	38	76	3.9	0.9	354°	3.6
9	30	20	25	53	17	28	96	35	71	3.9	0.9	14°	0.0
10	31	20	25	57	16	28	97	37	73	4.9	0.9	7°	0.0
11	30	19	24	58	16	27	100	37	74	3.7	0.8	17°	0.0
12	30	19	24	63	16	28	97	44	72	3.9	0.8	6°	0.0
13	32	19	25	62	16	30	99	39	76	4.4	0.8	352°	0.0
14	32	20	25	57	18	30	100	39	78	3.7	0.8	339°	0.0
15	32	21	25	60	18	30	99	43	80	4.6	0.8	7°	0.0
16	32	21	25	60	18	30	100	40	79	3.0	0.7	7°	0.0
17	31	21	25	56	18	29	100	47	80	4.5	0.8	28°	0.0
18	31	21	25	53	19	28	98	38	77	4.4	1.0	24°	0.0
19	32	22	26	56	19	28	96	56	82	4.8	1.1	4°	0.0
20	31	23	26	52	21	29	98	61	84	4.0	1.6	9°	3.6
21	29	24	25	51	21	27	99	62	89	5.0	1.0	36°	13.5
22	31	23	27	56	21	29	100	57	84	5.0	1.0	1°	0.0
23	33	23	26	59	20	30	100	46	84	4.6	0.9	354°	0.0
24	33	21	26	61	18	31	100	47	81	4.6	0.6	29°	0.0
25	34	21	26	61	18	31	100	41	81	3.7	0.6	11°	0.0
26	35	21	26	60	18	32	100	37	81	2.7	0.6	223°	0.0
27	34	21	26	61	19	32	100	40	82	4.0	0.6	108°	0.3
28	33	22	26	59	19	31	100	53	84	3.5	0.6	125°	0.0
Monthly Avg.	32	21	25	56	18	29	99	44	79	4.3	0.9	112°	
Monthly Total													20.8
YTD <sup>1</sup> Avg.	31	22	26	53	19	28	99	52	83	4.4	0.9	132°	
YTD <sup>1</sup> Total													110.7

<sup>1</sup> Year To Date

Note: \* Data Unavailable



**Solar Radiation Summary  
February 2021  
Chennai, India**

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

Month	Solar Radiation Summary		
	Total Solar Radiation (MJ/m <sup>2</sup> )	Ultraviolet Solar Radiation (MJ/m <sup>2</sup> )	
February	Direct	295-385 nm	300-400 nm
Day	5°	5°	
1	19.4	0.92	1.03
2	18.6	0.87	0.97
3	18.4	0.86	0.96
4	20.9	0.94	1.04
5	21.3	0.95	1.06
6	21.8	0.95	1.06
7	22.6	1.00	1.12
8	21.3	0.95	1.06
9	22.6	1.04	1.16
10	22.24	1.00	1.12
11	22.0	1.04	1.16
12	20.7	1.01	1.12
13	24.5	1.14	1.27
14	24.4	1.13	1.27
15	23.7	1.09	1.22
16	23.3	1.08	1.20
17	21.4	0.99	1.11
18	20.1	0.91	1.02
19	15.3	0.76	0.85
20	17.1	0.90	1.00
21	13.6	0.76	0.85
22	16.8	0.85	0.95
23	22.0	1.03	1.15
24	23.7	1.12	1.25
25	24.9	1.17	1.31
26	24.0	1.09	1.22
27	24.6	1.13	1.26
28	24.2	1.09	1.21
<b>Monthly Total</b>	<b>595.4</b>	<b>27.75</b>	<b>30.98</b>
<b>YTD<sup>†</sup> Total</b>	<b>1042.6</b>	<b>50.85</b>	<b>56.76</b>

<sup>†</sup> Year To Date Total Solar Radiation - (290-3000nm)

Note:

