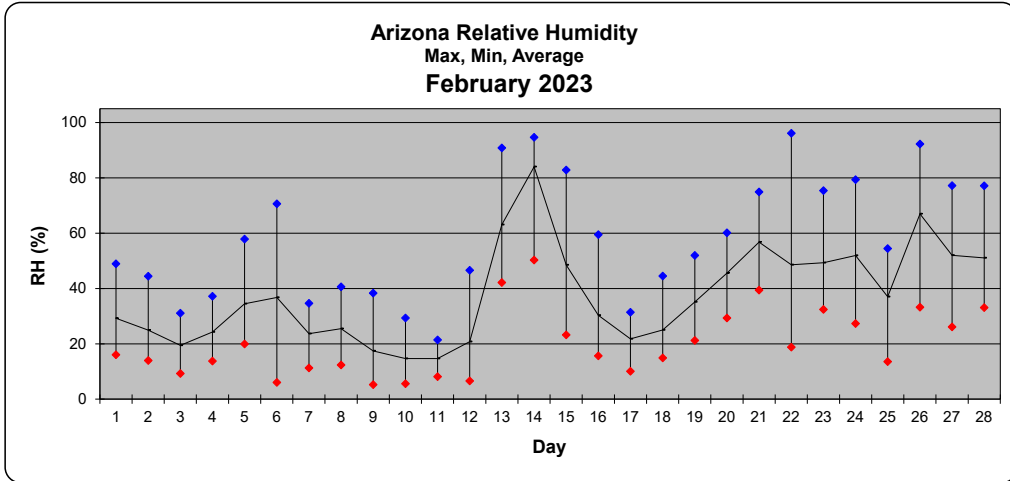
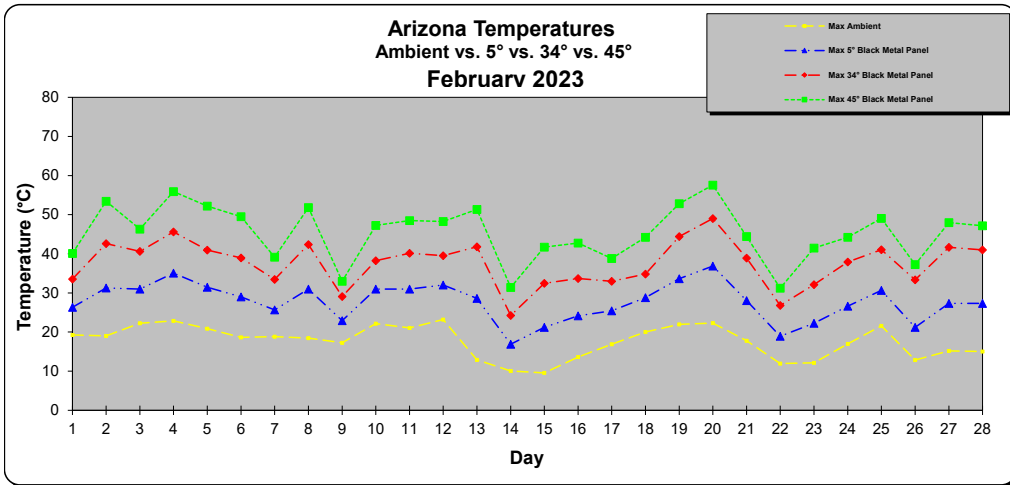


Latitude 33° 54' North, Longitude 112° 08' West, Elevation 610 (m)

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°=	(mm)
Day	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Avg.	Avg	Total
1	19	8	12	26	7	13	34	7	14	40	7	16	49	16	29	15.0	4.6	261°	0.0
2	19	8	12	31	6	14	43	6	15	53	6	18	44	14	25	12.4	3.3	280°	0.0
3	22	12	16	31	10	16	41	10	17	46	10	18	31	9	19	9.7	3.0	281°	0.0
4	23	11	16	35	9	17	46	9	19	56	9	22	37	14	24	8.5	2.4	266°	0.0
5	21	8	14	31	5	15	41	5	17	52	6	20	58	20	34	7.3	1.7	335°	0.0
6	19	6	12	29	3	13	39	3	14	50	4	17	71	6	37	9.6	2.2	249°	0.0
7	19	7	12	26	6	13	33	5	14	39	6	16	35	11	24	11.3	3.4	255°	0.0
8	18	7	12	31	5	13	42	5	14	52	6	17	41	12	25	10.3	2.7	268°	0.0
9	17	8	12	23	4	13	29	3	14	33	4	15	38	5	17	19.6	4.8	260°	0.0
10	22	8	13	31	6	14	38	6	15	47	6	17	29	6	15	15.4	4.0	271°	0.0
11	21	11	15	31	9	15	40	9	17	48	10	19	21	8	15	8.7	2.7	293°	0.0
12	23	9	15	32	5	15	40	5	17	48	6	19	47	7	21	9.3	2.9	308°	0.0
13	13	6	9	29	3	9	42	2	10	51	3	11	91	42	63	7.4	1.6	346°	1.8
14	10	4	7	17	3	7	24	2	7	31	3	7	95	50	84	16.0	2.5	38°	15.5
15	10	-1	5	21	-5	6	32	-5	8	42	-4	10	83	23	49	9.3	1.8	198°	0.0
16	14	2	7	24	-1	8	34	-1	10	43	0	12	59	16	30	12.2	3.6	264°	0.0
17	17	5	10	25	4	11	33	3	12	39	4	13	31	10	22	16.8	4.6	278°	0.0
18	20	10	14	29	9	15	35	9	17	44	9	19	44	15	25	11.0	3.3	294°	0.0
19	22	10	16	34	9	17	44	8	18	53	9	21	52	21	35	9.1	2.4	314°	0.0
20	22	10	15	37	8	17	49	8	19	58	8	21	60	29	46	8.0	2.1	263°	0.0
21	18	10	14	28	8	15	39	8	16	44	9	17	75	39	57	9.2	2.8	54°	0.0
22	12	5	9	19	2	10	27	2	11	31	3	12	96	19	49	18.4	3.9	100°	8.4
23	12	2	8	22	-2	9	32	-2	10	41	-1	11	75	32	49	10.6	1.8	48°	0.0
24	17	7	11	27	5	13	38	5	15	44	5	18	79	27	52	7.4	1.4	2°	0.0
25	22	9	15	31	7	15	41	7	17	49	8	19	54	14	37	9.3	2.7	352°	0.0
26	13	4	7	21	2	8	33	2	9	37	3	10	92	33	67	10.8	2.2	84°	3.3
27	15	3	8	27	1	10	42	0	12	48	1	15	77	26	52	6.0	1.8	274°	0.0
28	15	3	10	27	0	11	41	0	13	47	1	15	77	33	51	6.4	1.4	53°	0.0
Monthly Avg.	18	7	12	28	5	12	38	4	14	45	5	16	59	20	38	10.9	2.8	225°	
Monthly Total																			29.0
YTD <sup>†</sup> Avg.	17	6	11	26	4	11	35	4	13	44	5	15	66	26	46	10.0	2.4	216°	
YTD <sup>†</sup> Total																			88.1

<sup>†</sup> Year To Date



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

**Miami, Florida**

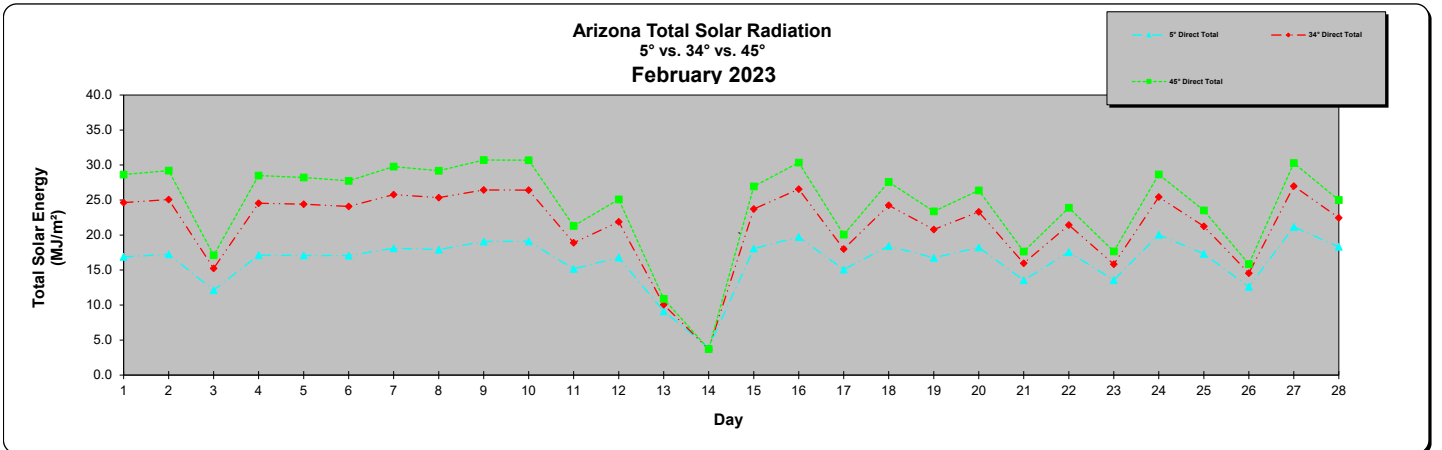
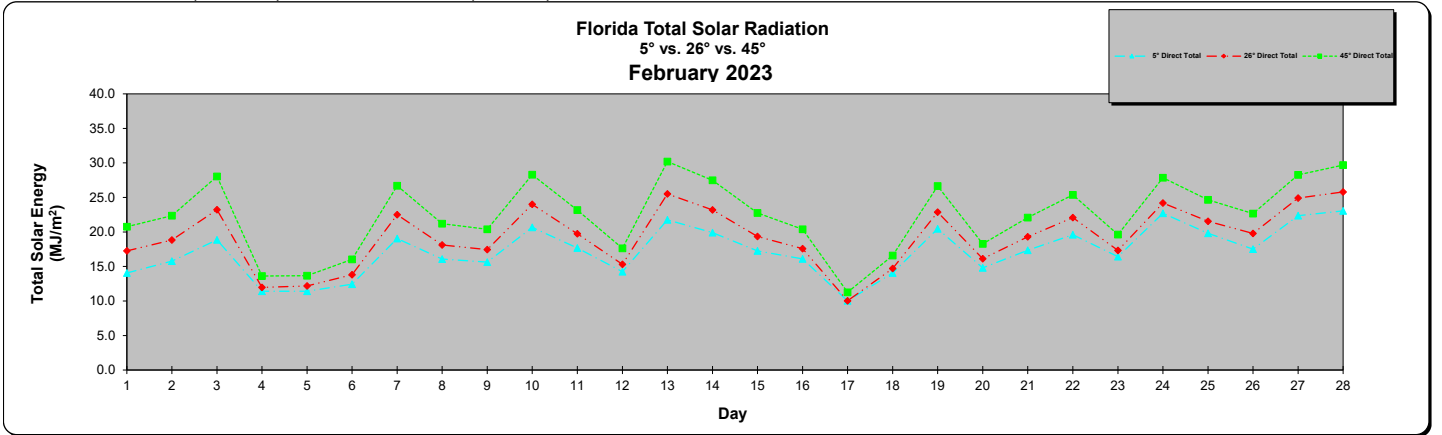
Latitude 33° 54' North, Longitude 112° 08' West, Elevation 610 (m)

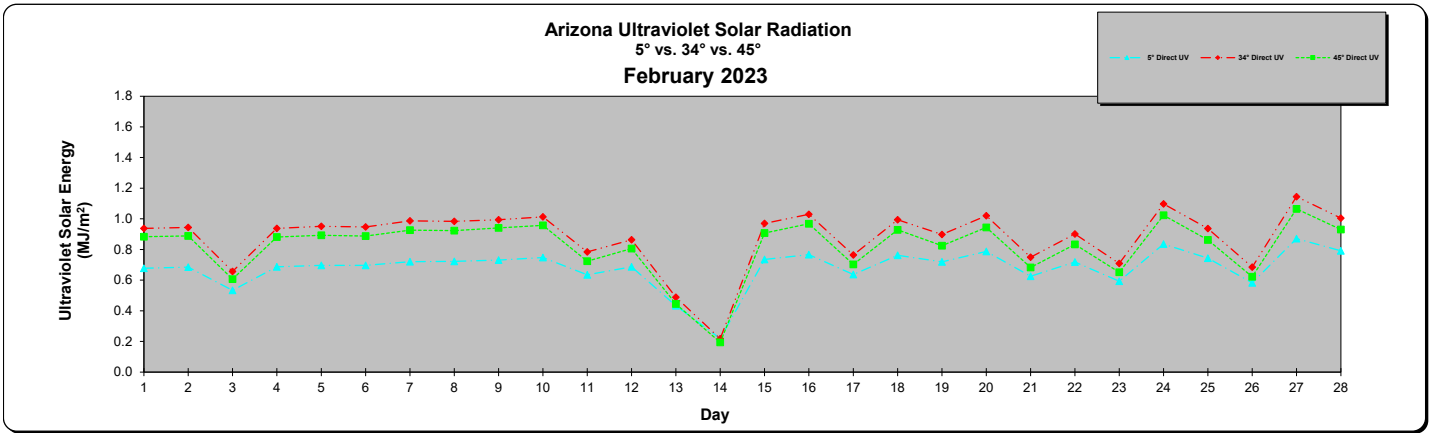
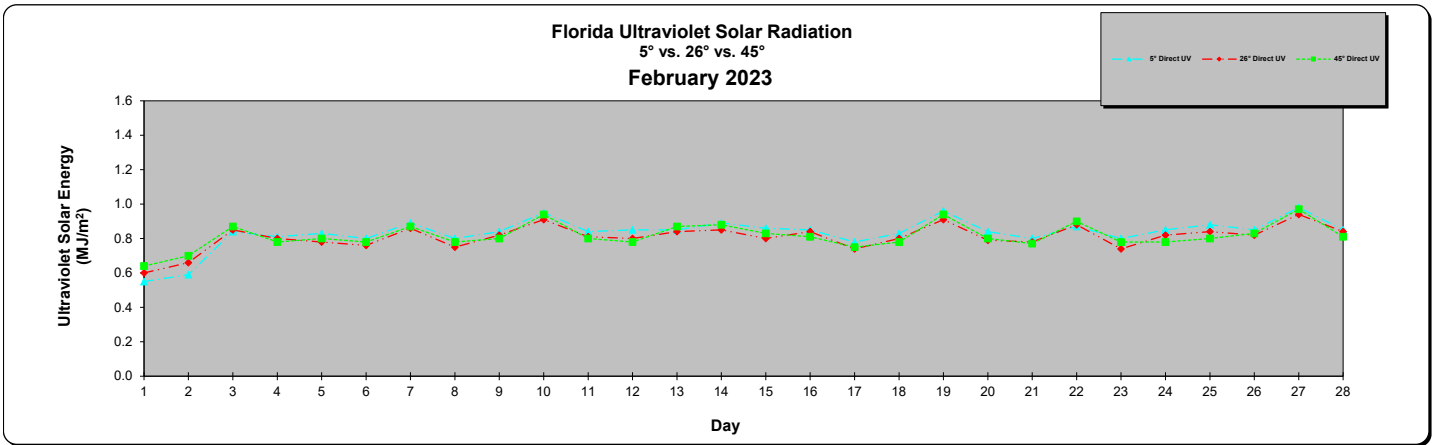
AWSG	Solar Radiation Summary											
	Total Solar Radiation (MJ/m2)						Ultraviolet Solar Radiation (MJ/m <sup>2</sup> )					
	Direct			Underglass			Direct			Underglass		
	5°	26°	45°	5°	26°	45°	5°	26°	45°	5°	26°	45°
1	14.1	17.3	20.8	11.7	14.8	16.2	0.55	0.60	0.64	0.35	0.39	0.45
2	15.8	18.8	22.3	13.0	16.0	17.4	0.59	0.66	0.70	0.38	0.43	0.49
3	18.9	23.2	28.0	15.9	20.1	22.1	0.84	0.85	0.87	0.54	0.55	0.60
4	11.4	12.0	13.6	9.3	10.2	10.5	0.81	0.80	0.78	0.52	0.52	0.54
5	11.4	12.2	13.7	9.7	10.7	11.1	0.83	0.78	0.80	0.53	0.51	0.55
6	12.4	13.8	16.0	10.8	11.9	12.7	0.80	0.76	0.78	0.51	0.49	0.54
7	19.0	22.5	26.7	16.1	19.6	21.4	0.89	0.86	0.87	0.57	0.56	0.60
8	16.1	18.1	21.2	13.2	15.6	16.8	0.80	0.75	0.78	0.51	0.49	0.54
9	15.6	17.4	20.4	12.9	14.9	15.9	0.84	0.82	0.80	0.54	0.53	0.55
10	20.7	24.0	28.3	17.7	20.8	22.6	0.95	0.91	0.94	0.61	0.59	0.65
11	17.7	19.7	23.2	14.7	17.1	18.5	0.84	0.81	0.80	0.54	0.53	0.55
12	14.2	15.3	17.6	11.8	13.1	13.8	0.85	0.80	0.78	0.54	0.52	0.54
13	21.8	25.5	30.2	18.5	22.4	24.2	0.85	0.84	0.87	0.54	0.55	0.60
14	19.9	23.2	27.5	17.2	20.3	21.7	0.89	0.85	0.88	0.58	0.54	0.61
15	17.3	19.4	22.8	14.6	16.9	18.0	0.86	0.80	0.83	0.55	0.52	0.57
16	16.1	17.6	20.4	13.7	15.3	16.3	0.85	0.84	0.81	0.54	0.55	0.56
17	10.0	10.0	11.3	8.5	8.7	8.8	0.78	0.74	0.75	0.50	0.48	0.52
18	14.1	14.7	16.6	12.1	13.1	13.3	0.83	0.80	0.78	0.53	0.52	0.54
19	20.5	22.9	26.6	17.4	20.5	21.5	0.96	0.91	0.94	0.61	0.59	0.65
20	14.8	16.1	18.3	12.7	14.1	14.6	0.84	0.79	0.80	0.54	0.51	0.55
21	17.4	19.3	22.1	14.4	16.9	17.6	0.80	0.78	0.77	0.51	0.51	0.53
22	19.6	22.1	25.4	17.1	19.6	20.3	0.87	0.88	0.90	0.56	0.57	0.62
23	16.4	17.3	19.6	13.6	15.1	15.5	0.80	0.74	0.78	0.51	0.48	0.54
24	22.7	24.2	27.9	18.7	21.7	22.4	0.85	0.82	0.78	0.54	0.53	0.54
25	19.8	21.6	24.6	16.8	19.1	19.6	0.88	0.84	0.80	0.56	0.55	0.55
26	17.5	19.8	22.6	15.3	17.6	18.1	0.85	0.82	0.83	0.54	0.53	0.57
27	22.4	24.9	28.3	19.3	21.9	22.5	0.98	0.94	0.97	0.63	0.61	0.67
28	23.1	25.8	29.7	20.2	23.1	23.7	0.85	0.84	0.81	0.54	0.55	0.56
Monthly Total	480.4	538.7	625.6	406.6	471.1	497.2	23.33	22.63	22.84	14.92	14.70	15.78
YTD <sup>†</sup> Total	947.0	1119.4	1334.8	802.9	979.3	1065.4	47.76	47.43	48.09	30.57	30.79	33.24

Solar Radiation Summary																			
Total Solar Radiation (MJ/m2)									Ultraviolet Solar Radiation (MJ/m2)						EMMAQUA™				
Direct			Underglass			Direct			Underglass			Direct			Underglass			Total	UV
5°	34°	45°	5°	34°	45°	5°	34°	45°	5°	34°	45°	5°	34°	45°	5°	34°	45°		
16.9	24.6	28.6	13.4	20.9	23.8	0.68	0.94	0.88	0.49	0.59	0.55	0	0.00						
17.3	25.1	29.2	13.7	21.3	24.3	0.69	0.94	0.89	0.50	0.59	0.55	190	4.20						
12.1	15.2	17.1	10.0	13.1	14.3	0.53	0.66	0.61	0.38	0.41	0.37	48	1.31						
17.1	24.6	28.5	13.6	20.8	23.7	0.69	0.94	0.88	0.49	0.58	0.55	178	3.98						
17.1	24.4	28.2	13.8	20.8	23.6	0.70	0.95	0.89	0.50	0.59	0.56	181	4.11						
17.1	24.1	27.7	13.7	20.5	23.1	0.70	0.95	0.89	0.51	0.59	0.55	161	3.79						
18.1	25.8	29.8	14.5	21.9	24.7	0.72	0.99	0.93	0.52	0.62	0.58	197	4.44						
17.9	25.3	29.2	14.4	21.4	24.3	0.72	0.98	0.92	0.52	0.61	0.58	186	4.33						
19.1	26.5	30.7	15.2	22.6	25.4	0.73	0.99	0.94	0.54	0.63	0.59	0	0.00						
19.1	26.4	30.7	15.2	22.6	25.4	0.75	1.01	0.96	0.54	0.64	0.59	0	0.00						
15.2	18.9	21.3	12.1	16.0	17.6	0.64	0.78	0.72	0.46	0.49	0.45	0	0.00						
16.8	21.9	25.1	13.2	18.5	20.6	0.69	0.86	0.81	0.49	0.54	0.50	0	0.00						
9.1	10.1	10.9	7.5	8.5	9.0	0.43	0.49	0.45	0.32	0.31	0.27	0	0.00						
3.9	3.7	3.7	3.2	3.1	3.1	0.22	0.22	0.19	0.16	0.14	0.12	0	0.00						
18.1	23.7	27.0	14.6	20.2	22.2	0.74	0.97	0.91	0.54	0.61	0.57	122	3.16						
19.7	26.6	30.4	15.7	22.5	25.0	0.77	1.03	0.97	0.57	0.64	0.60	104	2.62						
15.1	18.0	20.1	12.2	15.3	16.5	0.64	0.76	0.70	0.46	0.48	0.43	0	0.00						
18.5	24.2	27.6	14.8	20.6	22.8	0.76	0.99	0.93	0.55	0.62	0.57	100	2.50						
16.8	20.8	23.4	13.6	17.5	19.3	0.72	0.90	0.83	0.52	0.55	0.51	0	0.00						
18.2	23.3	26.4	14.9	20.0	21.9	0.79	1.02	0.94	0.57	0.63	0.58	138	3.66						
13.6	16.0	17.7	11.1	13.6	14.6	0.63	0.75	0.68	0.45	0.47	0.42	0	0.00						
17.6	21.4	23.9	14.1	18.3	19.8	0.72	0.90	0.83	0.52	0.56	0.51	0	0.00						
13.6	15.8	17.7	10.8	13.4	14.3	0.59	0.71	0.65	0.42	0.44	0.39	22	0.62						
20.0	25.4	28.7	16.0	21.7	23.8	0.84	1.10	1.02	0.60	0.67	0.62	164	4.53						
17.3	21.3	23.5	13.9	18.0	19.6	0.74	0.94	0.86	0.53	0.57	0.53	0	0.00						
12.6	14.6	15.9	10.6	12.2	13.2	0.58	0.69	0.62	0.42	0.42	0.38	0	0.00						
21.2	27.0	30.3	17.1	22.9	24.9	0.87	1.15	1.07	0.64	0.71	0.65	188	4.90						
18.3	22.5	25.0	15.0	19.2	20.6	0.79	1.01	0.93	0.58	0.62	0.56	125	3.22						
457.2	597.1	678.0	368.1	507.2	561.2	19.05	24.61	22.91	13.79	15.31	14.12	2102	51.36						
810.4	1093.0	1254.3	643.0	928.2	1040.1	33.74	43.84	41.02	24.38	27.37	25.33	4253.02	96.73						

<sup>†</sup> Year To Date

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

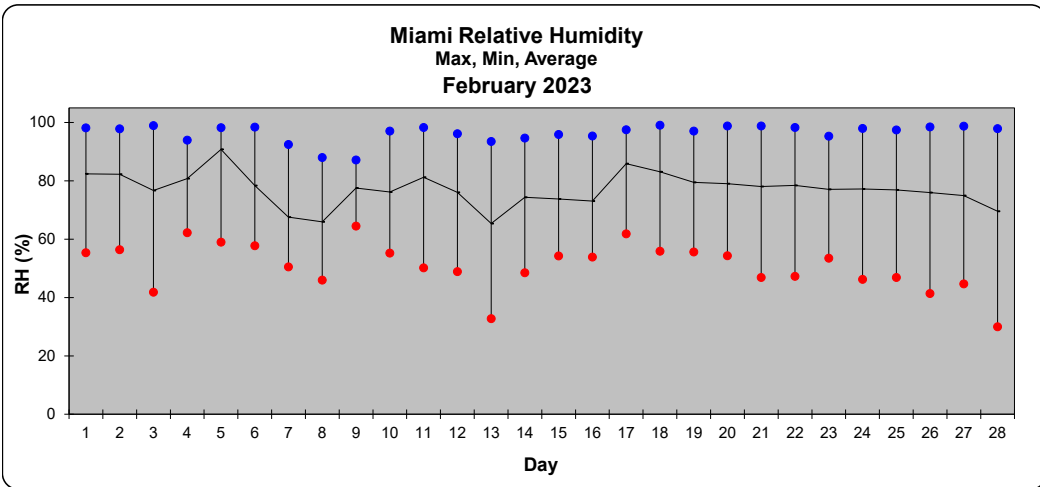
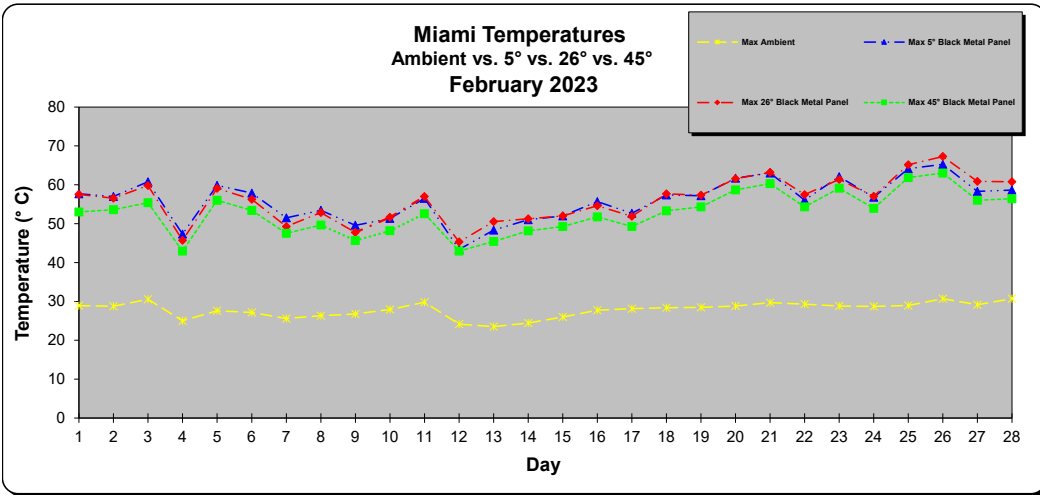




Latitude 25° 34' North, Longitude 80° 28' West, Elevation 2 (m)

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 °		26 °			45 °			%		m/sec		°	(mm)		
Day	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Avg.	Total	
1	29	16	22	58	15	26	58	14	26	53	14	25	98	55	82	4.6	2.5	90°	0.0
2	29	16	22	57	15	27	57	15	26	54	15	25	98	56	82	5.3	2.6	98°	0.0
3	31	16	22	61	15	28	60	15	28	55	15	27	99	42	77	4.7	2.9	231°	0.0
4	25	16	20	47	15	23	46	15	23	43	16	23	94	62	81	7.3	5.7	152°	3.8
5	28	19	22	60	18	25	59	17	25	56	18	25	98	59	91	4.8	2.9	174°	127.0
6	27	18	22	58	16	26	56	16	25	53	17	25	98	58	78	4.8	2.8	86°	0.0
7	26	18	22	51	16	26	49	15	26	48	16	25	93	51	68	5.8	4.7	84°	0.0
8	26	17	22	53	14	26	53	14	26	50	14	25	88	46	66	5.7	5.4	77°	0.0
9	27	22	24	50	20	27	48	20	27	46	20	27	87	65	78	6.8	6.4	102°	0.0
10	28	20	24	51	18	29	52	18	29	48	18	28	97	55	76	5.3	4.2	108°	0.0
11	30	18	24	57	17	28	57	16	28	53	16	27	98	50	81	5.1	3.8	140°	0.0
12	24	15	20	43	12	23	45	12	23	43	12	23	96	49	76	7.9	4.5	253°	25.9
13	24	12	17	48	10	22	51	9	23	45	9	21	94	33	65	5.2	3.5	298°	0.0
14	24	10	18	51	8	23	51	7	23	48	7	21	95	49	74	5.4	3.4	136°	0.0
15	26	15	21	52	12	24	52	12	24	49	12	23	96	54	74	6.6	5.3	98°	0.0
16	28	20	23	56	17	27	55	18	27	52	17	26	95	54	73	5.2	4.0	103°	0.0
17	28	18	23	53	17	25	52	17	25	49	17	24	98	62	86	5.8	3.0	148°	0.5
18	28	18	23	57	17	26	58	17	26	53	17	26	99	56	83	4.8	3.1	122°	0.3
19	28	18	23	57	16	28	57	16	28	54	16	27	97	56	79	4.9	2.9	101°	0.0
20	29	18	23	62	17	28	62	17	28	59	17	27	99	54	79	3.5	2.3	150°	0.0
21	30	17	23	63	16	28	63	15	28	60	16	27	99	47	78	4.4	2.1	148°	0.0
22	29	16	23	56	15	28	57	15	28	54	15	27	98	47	78	5.6	3.0	105°	0.0
23	29	19	24	62	17	27	61	17	27	59	17	27	95	53	77	5.1	3.9	108°	0.0
24	29	17	23	57	15	28	57	14	28	54	14	27	98	46	77	4.9	2.9	82°	0.0
25	29	16	22	64	14	27	65	14	27	62	14	26	97	47	77	3.7	1.8	90°	0.0
26	31	16	22	65	14	27	67	14	28	63	14	26	99	41	76	3.5	2.1	149°	0.0
27	29	15	22	58	13	28	61	13	28	56	13	27	99	45	75	4.5	2.9	161°	0.0
28	31	14	21	59	12	27	61	12	27	56	11	26	98	30	70	4.8	2.6	191°	0.0
<b>Monthly Avg.</b>	28	17	22	56	15	26	56	15	26	53	15	25	96	51	77	5.2	3.5	135°	
<b>Monthly Total</b>																			157.5
<b>YTD<sup>†</sup> Avg.</b>	27	16	21	55	14	25	54	13	25	51	14	24	96	49	77	5.0	3.3	145°	
<b>YTD<sup>†</sup> Total</b>																			157.7

<sup>†</sup> Year To Date

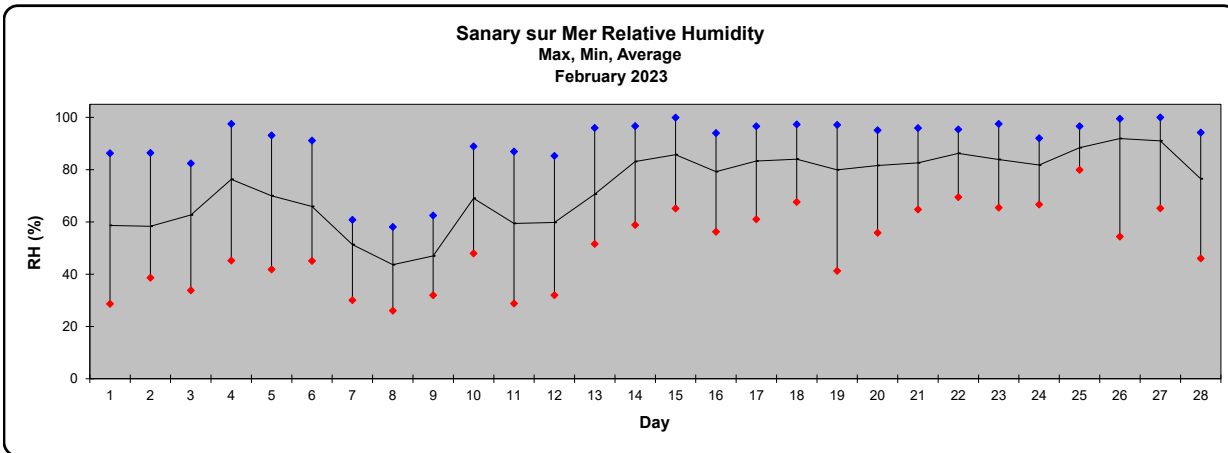
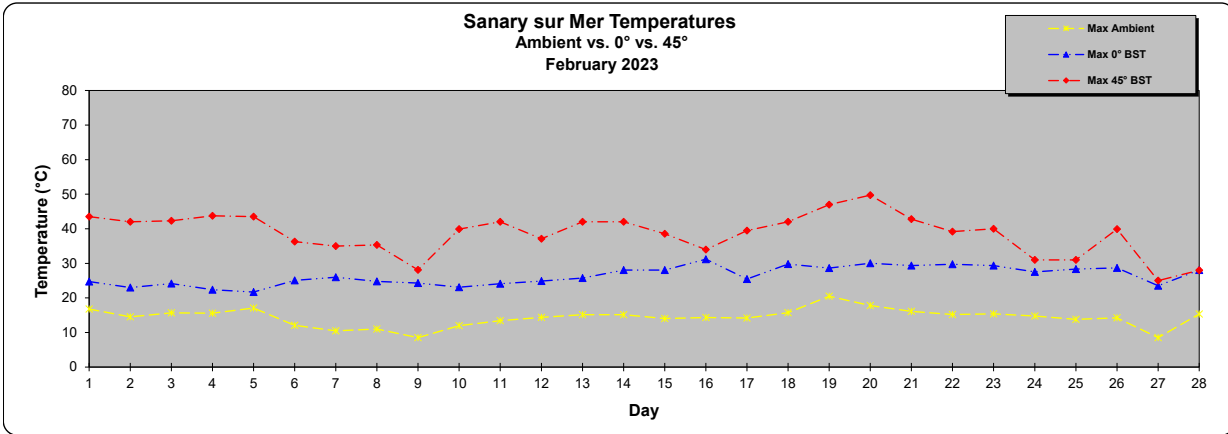


Latitude 43° 08' North, Longitude 05° 49' East, Elevation 110 (m)

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	Total								
Day	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Avg	Avg	Total							
1	17	4	9	25	5	11	44	1	13	27	1	9	40	1	12	30	1	10	45	1	13	86	29	59	4.6	0.7	22°	0.0	
2	15	3	9	23	4	10	42	0	13	39	0	12	40	0	12	30	-2	13	44	0	14	86	39	58	3.8	0.8	37°	0.0	
3	16	6	10	24	2	9	42	3	15	38	3	13	39	3	14	29	3	15	43	3	15	82	34	63	4.9	1.1	52°	0.0	
4	16	5	10	22	2	9	44	3	15	28	3	11	41	2	13	31	2	11	45	3	15	98	45	76	3.8	0.7	49°	0.0	
5	17	6	11	22	3	9	43	3	16	29	2	12	40	3	15	31	2	12	45	3	16	93	42	70	6.4	1.0	73°	0.0	
6	12	5	8	25	2	9	36	2	12	23	2	9	32	2	11	25	2	10	38	2	12	91	45	66	8.2	2.0	81°	1.8	
7	10	6	7	26	2	10	35	2	11	29	3	10	30	3	10	23	2	11	36	2	12	61	30	51	11.8	3.0	76°	0.0	
8	11	5	7	25	1	9	35	1	11	30	2	10	31	1	10	23	1	11	36	1	11	58	26	44	9.6	2.0	74°	0.0	
9	9	2	5	24	2	9	28	-2	6	19	-2	5	25	-2	6	21	-2	5	30	-2	6	62	32	47	5.6	0.9	82°	0.0	
10	12	1	6	23	2	9	40	-2	11	36	-2	9	36	-2	10	28	-2	11	42	-2	11	89	48	69	3.2	0.6	46°	0.0	
11	13	3	7	24	2	9	42	-1	12	34	-2	10	36	-1	10	28	-2	12	42	-1	12	87	29	59	3.9	0.9	23°	0.0	
12	14	3	8	25	2	10	37	-1	12	33	-1	8	32	-1	11	27	-1	9	38	-1	12	85	32	60	4.7	0.8	337°	0.0	
13	15	4	9	26	3	10	42	1	14	37	1	13	39	1	13	30	1	14	43	1	14	96	52	71	4.9	0.8	51°	0.0	
14	15	5	9	28	3	11	42	2	14	38	2	12	39	2	13	31	2	14	43	2	14	97	59	83	3.7	0.9	9°	0.0	
15	14	5	9	28	3	11	39	2	13	25	2	10	33	2	10	33	2	10	40	2	13	100	65	86	4.7	0.7	337°	0.0	
16	14	6	10	31	4	12	34	3	12	25	3	10	31	3	11	29	3	10	37	3	12	94	56	79	4.6	0.8	357°	0.0	
17	14	5	9	25	4	11	39	2	14	26	2	10	34	2	12	31	2	10	42	2	14	97	61	83	4.8	0.7	341°	0.0	
18	16	6	11	30	3	12	42	3	14	34	3	13	35	3	13	32	3	15	42	3	15	97	68	84	4.4	0.9	356°	0.0	
19	20	8	12	29	3	12	47	5	18	44	5	16	44	5	16	35	4	17	48	5	18	97	41	80	5.1	0.6	49°	0.0	
20	18	7	11	30	3	12	50	5	15	35	4	12	44	4	14	38	4	13	50	5	15	95	56	82	5.1	0.8	66°	0.0	
21	16	9	12	29	3	11	43	7	16	32	7	14	40	7	15	36	7	14	46	7	16	96	65	83	4.3	0.6	63°	0.0	
22	15	8	11	30	3	11	39	6	13	37	6	12	37	6	12	34	5	13	43	6	13	95	69	86	3.5	0.7	69°	0.0	
23	15	8	11	29	3	11	40	6	14	34	6	13	35	6	13	30	6	14	40	6	14	98	65	84	6.5	1.5	77°	0.0	
24	15	9	12	28	4	12	31	7	13	22	7	12	25	7	13	24	7	13	28	7	13	92	67	82	7.0	1.5	82°	0.3	
25	14	10	11	28	4	12	31	0	12	19	9	11	19	9	12	20	8	12	20	10	12	97	80	88	3.5	0.3	77°	0.3	
26	14	2	8	29	3	11	40	1	10	30	1	9	37	1	9	32	1	9	43	2	10	100	54	92	3.4	0.4	77°	33.5	
27	9	2	5	24	3	10	25	1	5	11	1	5	11	1	5	13	1	5	12	1	5	100	65	91	10.7	1.3	44°	12.5	
28	15	6	8	28	3	11	28	4	9	24	4	9	26	4	8	24	4	9	29	4	9	94	46	77	8.8	1.1	61°	7.1	
Monthly Avg.	14	5	9	26	3	11	38	2	13	30	3	11	34	3	12	28	2	11	39	3	13	90	50	73	5.6	1.0	110°		
Monthly Total																													55.4
YTD† Avg.	14	5	9	27	2	10	37	2	12	27	2	10	34	2	11	27	2	10	38	2	12	85	46	68	8.7	1.5	117°		
YTD† Total																													96.1

† Year To Date

Note: The 0 deg BST was not operating correctly this month. Data are 10-year averages.



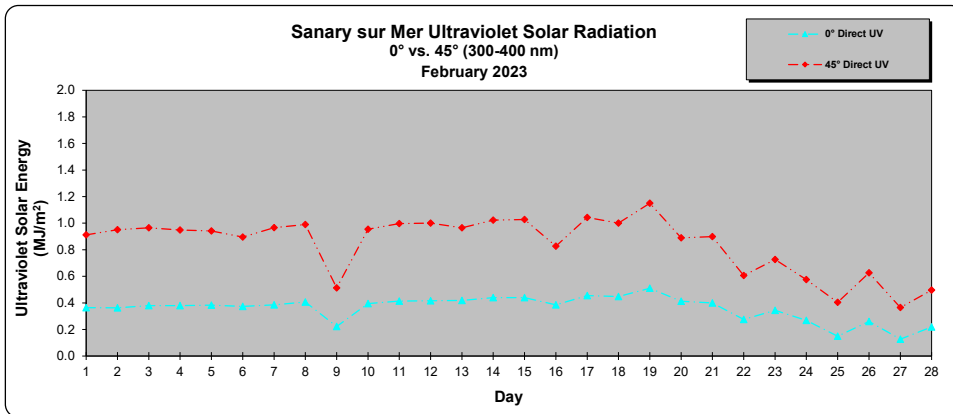
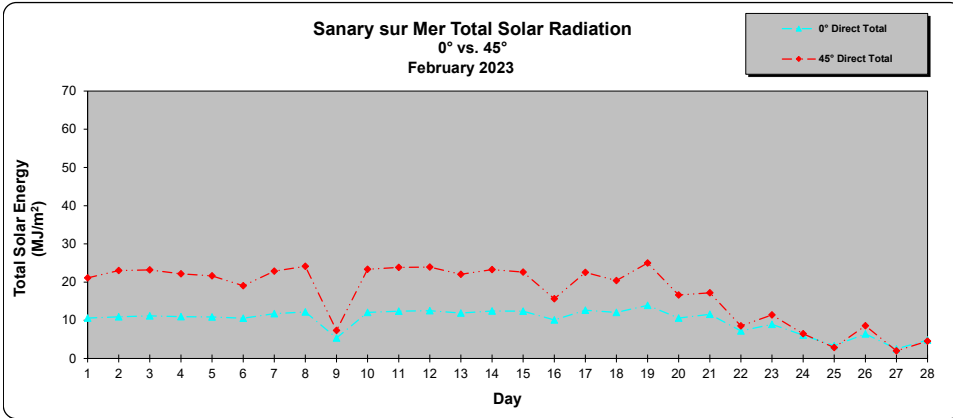
**Solar Radiation Summary**  
**February 2023**  
**Sanary sur Mer, France**

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

Solar Radiation Summary						
Month	Total Solar Radiation (MJ/m <sup>2</sup> )		Ultraviolet Solar Radiation (MJ/m <sup>2</sup> )			
	Direct		295-385 nm		300-400 nm	
February	0°	45°	0°	45°	0°	45°
Day	0°	45°	0°	45°	0°	45°
1	10.6	21.1	0.28	0.69	0.36	0.91
2	10.9	23.0	0.28	0.72	0.36	0.95
3	11.1	23.2	0.29	0.74	0.38	0.97
4	10.9	22.1	0.29	0.72	0.38	0.95
5	10.9	21.6	0.29	0.72	0.38	0.94
6	10.5	19.1	0.29	0.68	0.37	0.90
7	11.7	22.9	0.29	0.74	0.39	0.97
8	12.2	24.2	0.31	0.75	0.41	0.99
9	5.4	7.3	0.17	0.39	0.22	0.51
10	12.1	23.4	0.30	0.73	0.40	0.95
11	12.4	23.9	0.32	0.76	0.41	1.00
12	12.5	23.9	0.32	0.76	0.42	1.00
13	11.9	22.1	0.32	0.73	0.42	0.97
14	12.4	23.3	0.34	0.78	0.44	1.02
15	12.4	22.6	0.34	0.78	0.44	1.03
16	10.1	15.6	0.29	0.63	0.39	0.83
17	12.6	22.5	0.35	0.79	0.46	1.04
18	12.1	20.4	0.34	0.76	0.45	1.00
19	13.9	25.0	0.39	0.88	0.51	1.15
20	10.6	16.6	0.32	0.68	0.41	0.89
21	11.6	17.2	0.31	0.68	0.40	0.90
22	7.2	8.5	0.21	0.46	0.28	0.61
23	9.0	11.4	0.26	0.55	0.34	0.73
24	6.1	6.5	0.21	0.44	0.27	0.58
25	3.4	2.9	0.11	0.31	0.15	0.40
26	6.4	8.6	0.20	0.48	0.26	0.63
27	2.5	2.0	0.10	0.28	0.13	0.37
28	4.8	4.6	0.17	0.38	0.22	0.50
<b>Monthly Total</b>	<b>278.1</b>	<b>485.3</b>	<b>7.65</b>	<b>18.00</b>	<b>10.03</b>	<b>23.66</b>
<b>YTD<sup>1</sup> Total</b>	<b>477.4</b>	<b>899.7</b>	<b>13.55</b>	<b>29.75</b>	<b>18.48</b>	<b>38.80</b>

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

Note:



**Weather Summary**  
**February 2023**

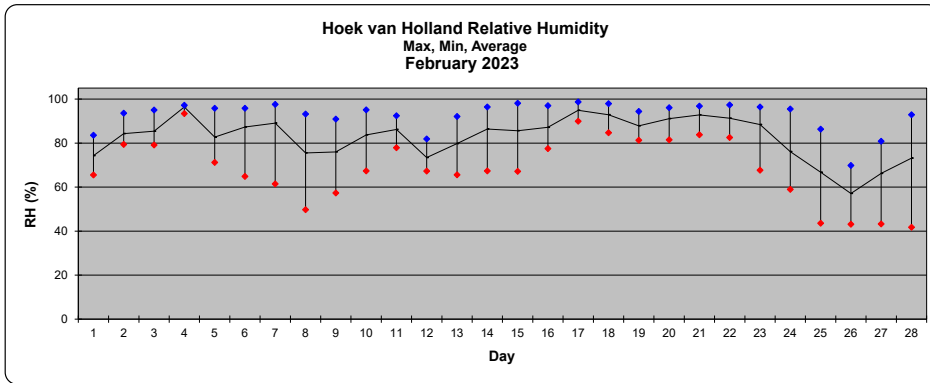
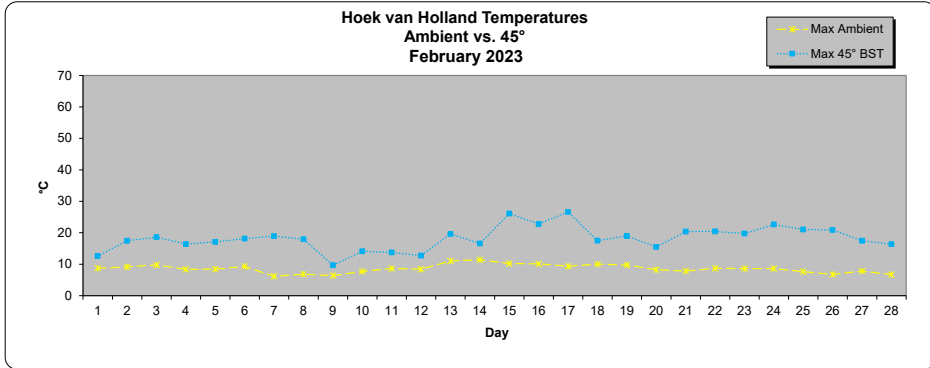
North Sea Corrosion Test Centre

**Hoek van Holland, The Netherlands**

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

Month	Temperature Summary						Climate Summary						
	Ambient Temperature			Black Metal Panel Temperature (ASTM G179) (°C)			Relative Humidity			Wind Speed		Wind Direction	Rainfall
February	°C			45 °			%			(m/s)		360°/0°= N	(mm)
Day	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Avg	Avg	Total
1	9	7	8	13	0	4	84	66	74	16.4	8.7	48°	0.0
2	9	7	8	17	1	5	94	79	84	12.8	6.7	43°	1.8
3	10	7	9	19	-1	4	95	79	85	12.9	6.3	53°	0.5
4	8	7	7	16	-1	4	97	93	96	3.3	1.3	39°	1.8
5	8	5	7	17	-1	4	96	71	83	12.7	5.1	119°	1.8
6	9	1	5	18	-2	4	96	65	87	5.1	1.6	161°	0.0
7	6	-1	1	19	-2	4	98	61	89	4.1	1.2	229°	0.3
8	7	-3	1	18	-1	5	93	50	76	5.0	1.6	264°	0.3
9	6	1	4	10	-1	2	91	57	76	7.1	3.4	351°	0.0
10	8	2	6	14	-1	3	95	67	84	10.2	4.0	353°	0.0
11	9	7	8	14	-2	3	92	78	86	7.3	3.1	51°	0.0
12	8	7	7	13	-2	2	82	67	73	4.9	1.4	356°	0.0
13	11	4	8	20	-2	4	92	66	80	3.8	1.2	237°	0.0
14	11	1	6	17	-1	4	96	67	86	5.1	1.5	282°	0.0
15	10	0	5	26	-1	7	98	67	86	7.5	2.6	294°	0.0
16	10	6	8	23	-1	6	97	78	87	12.7	5.2	342°	2.0
17	9	7	8	27	-2	6	99	90	95	15.3	7.5	12°	0.0
18	10	8	9	18	-1	4	98	85	93	13.8	6.4	10°	2.3
19	10	6	8	19	-1	4	94	81	88	11.4	5.2	53°	0.5
20	8	7	8	15	0	4	96	82	91	13.0	6.8	7°	0.0
21	8	6	7	20	0	5	97	84	93	10.8	3.6	358°	0.0
22	9	4	6	20	-1	5	97	83	91	6.7	2.3	319°	0.3
23	9	3	7	20	-1	5	96	68	88	9.2	2.7	114°	0.3
24	9	3	6	23	-1	5	96	59	76	12.7	4.9	84°	2.0
25	8	2	5	21	-1	5	86	44	67	14.2	5.1	145°	1.0
26	7	1	4	21	-1	5	70	43	57	11.3	4.3	180°	0.0
27	8	-1	3	17	-1	4	81	43	66	9.1	2.9	185°	0.0
28	7	0	3	16	-1	3	93	42	73	6.1	1.9	200°	0.3
<b>Monthly Avg.</b>	9	4	6	18	-1	4	93	68	83	9.5	3.9	175°	
<b>Monthly Total</b>													15.0
<b>YTD<sup>1</sup> Avg.</b>	8	4	6	16	0	4	92	69	82	10.9	4.6	181°	
<b>YTD<sup>1</sup> Total</b>													128.3

<sup>1</sup>Year To Date For Pollution (SO2, NOx, O3) visit [www.lmi.rivm.nl](http://www.lmi.rivm.nl)  
 Note: The Black Panel Sensor was not measuring correctly. Highlighted data are 10-year averages.

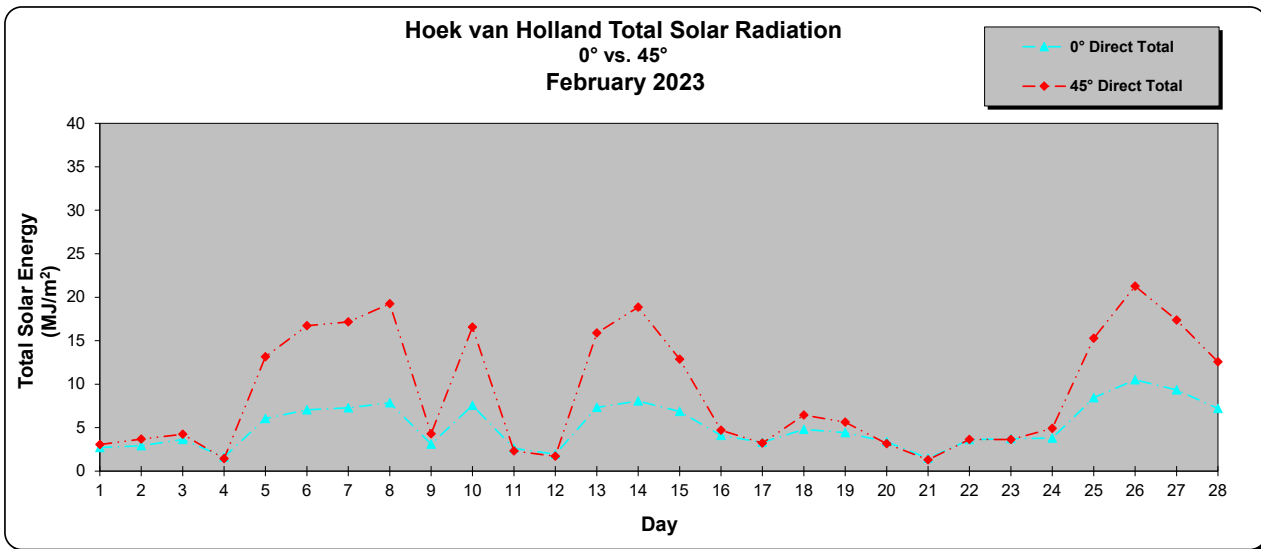


North Sea Corrosion Test Centre  
**Solar Radiation Summary**  
**February 2023**

**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	2.7	3.0
2	2.9	3.7
3	3.6	4.3
4	1.6	1.4
5	6.0	13.2
6	7.1	16.7
7	7.3	17.2
8	7.9	19.3
9	3.1	4.3
10	7.6	16.6
11	2.6	2.3
12	1.9	1.7
13	7.3	15.9
14	8.1	18.9
15	6.9	12.9
16	4.1	4.7
17	3.3	3.2
18	4.8	6.5
19	4.4	5.6
20	3.4	3.2
21	1.5	1.3
22	3.6	3.6
23	3.7	3.6
24	3.8	4.9
25	8.5	15.3
26	10.5	21.3
27	9.4	17.4
28	7.2	12.6
<b>Monthly Total</b>	<b>144.7</b>	<b>254.3</b>
<b>YTD<sup>†</sup> Total</b>	<b>222.6</b>	<b>412.4</b>

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



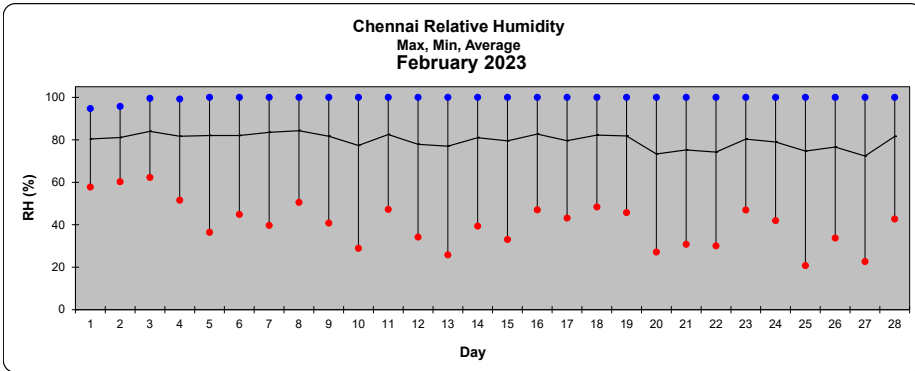
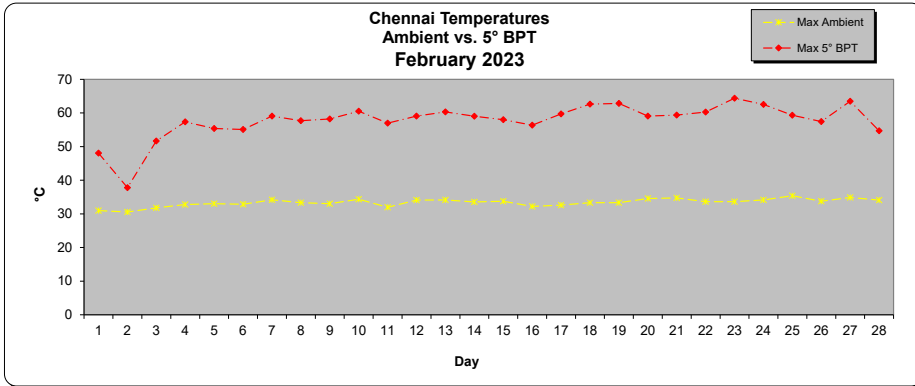


**Weather Summary**  
**February 2023**  
**Chennai, India**

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

AWSG	Temperature Summary						Climate Summary						
	Ambient Temperature			Black Metal Panel Temperature (ASTM G179) (°C)			Relative Humidity			Wind Speed		Wind Direction	Rainfall
Month	°C			5 °			%			(m/s)		360°/0°=N	(mm)
February	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Avg	Avg	Total
1	31	25	28	48	23	28	95	58	80	5.9	1.5	356°	0.0
2	31	25	27	38	23	28	96	60	81	5.0	1.4	2°	0.0
3	32	25	27	52	23	28	100	62	84	4.8	1.1	11°	1.5
4	33	23	27	57	20	30	99	52	82	3.8	0.9	3°	0.0
5	33	21	26	55	19	29	100	36	82	3.9	0.8	359°	0.0
6	33	21	26	55	18	29	100	45	82	3.6	0.7	15°	0.0
7	34	21	26	59	18	30	100	40	84	3.2	0.6	356°	0.0
8	33	21	26	58	18	30	100	51	84	3.5	0.7	0°	0.0
9	33	21	26	58	18	30	100	41	82	4.6	0.6	32°	0.0
10	34	21	26	61	18	30	100	29	77	3.1	0.6	348°	0.0
11	32	20	25	57	17	27	100	47	83	4.1	0.5	341°	0.0
12	34	19	26	59	16	30	100	34	78	3.3	0.6	323°	0.0
13	34	19	26	60	15	30	100	26	77	3.7	0.6	5°	0.0
14	34	20	26	59	16	30	100	39	81	3.7	0.6	0°	0.0
15	34	20	26	58	17	30	100	33	80	3.8	0.7	3°	0.0
16	32	21	26	56	18	29	100	47	83	4.1	0.7	14°	0.0
17	33	21	26	60	17	29	100	43	80	4.9	0.6	44°	0.0
18	33	20	26	63	17	30	100	48	82	3.1	0.7	41°	0.0
19	33	23	27	63	19	31	100	46	82	4.7	0.7	26°	0.0
20	35	22	27	59	18	31	100	27	73	3.2	0.7	3°	0.0
21	35	20	26	59	17	30	100	31	75	3.7	0.7	351°	0.0
22	34	21	26	60	18	30	100	30	74	3.7	0.8	48°	0.0
23	34	20	26	64	17	30	100	47	80	3.9	0.7	11°	0.0
24	34	22	27	63	18	31	100	42	79	3.4	0.7	2°	0.0
25	35	20	26	59	16	30	100	21	75	4.1	0.7	4°	0.0
26	34	20	26	57	16	29	100	34	77	4.6	0.8	14°	0.0
27	35	21	27	63	18	31	100	23	72	4.9	0.8	7°	0.0
28	34	22	27	55	19	30	100	43	82	4.3	1.0	17°	0.0
Monthly Avg.	33	21	26	58	18	30	100	40	80	4.0	0.8	98°	
Monthly Total													1.5
YTD <sup>1</sup> Avg.	32	22	26	56	18	29	99	46	81	4.3	0.8	164°	
YTD <sup>1</sup> Total													2.3

<sup>1</sup> Year To Date



**Solar Radiation Summary**  
**February 2023**  
**Chennai, India**

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

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	5°	5°	
1	11.9	0.50	0.56
2	7.6	0.35	0.39
3	10.2	0.41	0.46
4	18.9	0.63	0.71
5	22.2	0.77	0.86
6	20.3	0.71	0.79
7	21.8	0.72	0.81
8	21.3	0.70	0.78
9	21.2	0.72	0.80
10	22.8	0.75	0.84
11	16.2	0.59	0.66
12	23.6	0.78	0.87
13	23.9	0.79	0.88
14	23.0	0.78	0.87
15	23.9	0.79	0.88
16	22.6	0.74	0.83
17	23.1	0.76	0.85
18	23.5	0.81	0.90
19	22.2	0.77	0.86
20	25.5	0.86	0.96
21	23.7	0.78	0.87
22	23.1	0.75	0.83
23	23.2	0.81	0.90
24	24.5	0.85	0.95
25	24.9	0.81	0.91
26	24.2	0.79	0.88
27	25.3	0.84	0.94
28	20.9	0.71	0.79
<b>Monthly Total</b>	<b>595.3</b>	<b>20.25</b>	<b>22.60</b>
<b>YTD<sup>†</sup> Total</b>	<b>1125.5</b>	<b>39.34</b>	<b>43.92</b>

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

