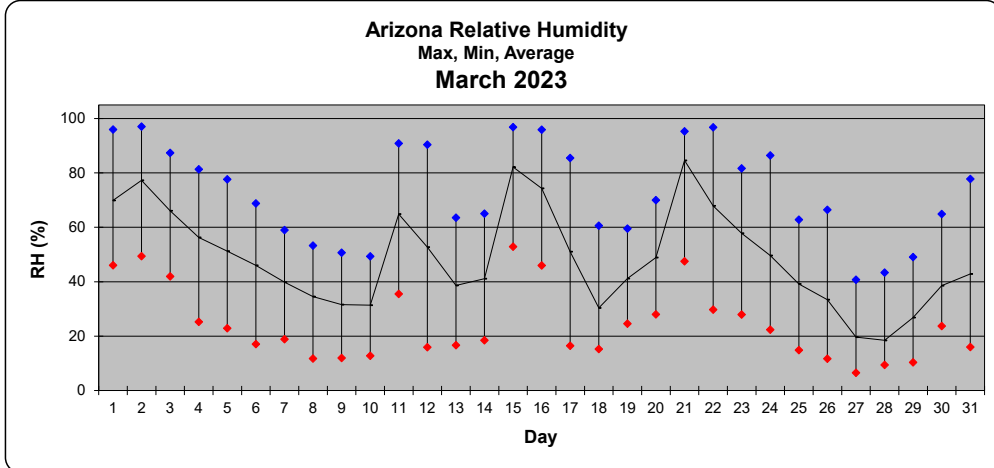
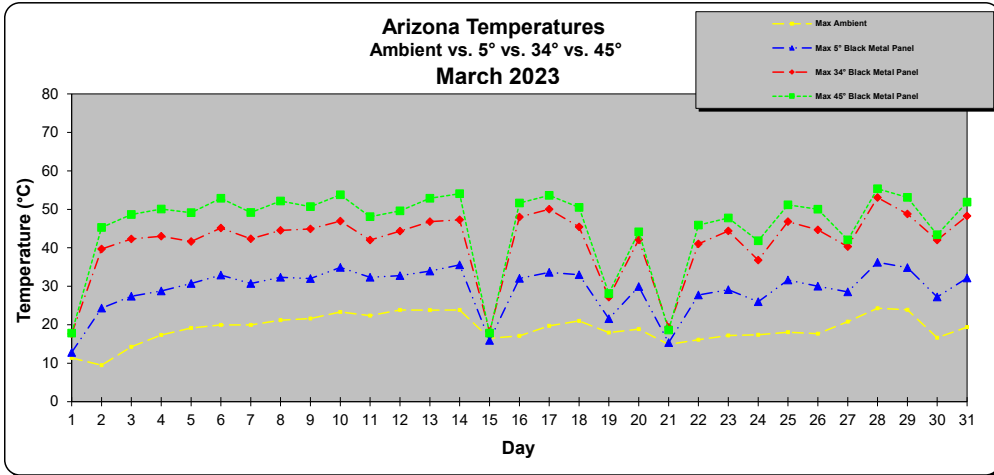


Latitude 33° 54' North, Longitude 112° 08' West, Elevation 610 (m)

Month	Temperature Summary												Climate Summary						
	Ambient Temperature			Black Metal Panel Temperature (ASTM G179) (° C)									Relative Humidity			Wind Speed		Wind Direction	Rainfall
March	(° 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.	N	Total
1	11	3	8	13	2	7	18	3	8	18	3	8	96	46	70	12.1	2.0	57°	24.4
2	9	2	5	24	1	6	40	1	8	45	1	8	97	49	77	8.7	1.4	81°	1.8
3	14	3	8	27	1	10	42	1	13	49	2	15	87	42	66	6.8	1.6	285°	0.0
4	17	5	11	29	2	12	43	2	15	50	3	18	81	25	56	6.4	1.9	285°	0.0
5	19	6	12	31	4	13	42	4	15	49	4	17	78	23	51	7.2	1.7	288°	0.0
6	20	8	13	33	6	15	45	5	17	53	6	19	69	17	46	5.9	1.6	297°	0.0
7	20	9	14	31	6	15	42	5	17	49	6	18	59	19	40	5.4	1.6	275°	0.0
8	21	8	14	32	6	15	45	5	18	52	6	20	53	12	35	6.3	1.9	247°	0.0
9	22	8	14	32	7	15	45	6	17	51	7	18	51	12	32	9.7	2.5	264°	0.0
10	23	9	17	35	7	18	47	7	21	54	8	22	49	13	31	6.0	1.6	274°	0.0
11	22	12	16	32	10	17	42	10	18	48	11	19	91	36	65	7.6	1.6	264°	1.5
12	24	10	17	33	8	18	44	8	21	50	8	22	90	16	53	8.1	1.7	230°	0.3
13	24	11	16	34	9	18	47	8	21	53	9	22	64	17	39	8.7	2.0	238°	0.0
14	24	10	17	36	8	18	47	8	21	54	9	22	65	19	41	8.3	2.2	256°	0.0
15	16	9	13	16	8	13	18	8	13	18	9	14	97	53	82	7.2	1.5	334°	21.8
16	17	8	12	32	6	13	48	6	15	52	7	16	96	46	74	8.4	1.4	275°	3.8
17	20	8	14	34	7	15	50	7	19	54	7	20	86	17	51	8.2	2.2	249°	0.0
18	21	10	15	33	9	16	45	8	19	51	9	20	61	15	30	13.4	3.5	278°	0.0
19	18	9	14	22	7	14	27	7	16	28	8	16	60	25	41	7.7	1.8	287°	0.0
20	19	10	15	30	8	15	42	7	17	44	8	18	70	28	49	5.0	1.2	238°	0.0
21	15	12	13	15	11	12	19	11	13	19	12	13	95	48	85	6.5	1.0	37°	15.2
22	16	8	12	28	6	13	41	5	16	46	6	16	97	30	68	12.8	2.0	71°	14.2
23	17	6	12	29	4	13	44	4	16	48	5	17	82	28	58	7.8	1.9	250°	0.0
24	17	8	12	26	6	13	37	5	16	42	6	17	87	22	50	9.4	2.3	131°	0.0
25	18	6	12	32	2	14	47	2	17	51	3	19	63	15	39	9.6	2.2	244°	0.0
26	18	5	12	30	2	13	45	1	17	50	2	18	66	12	33	8.7	2.3	225°	0.0
27	21	8	14	29	6	15	40	5	18	42	6	18	41	7	20	13.9	4.2	254°	0.0
28	24	11	16	36	9	18	53	9	21	55	10	22	43	9	18	12.2	3.3	270°	0.0
29	24	8	16	35	6	18	49	6	21	53	6	22	49	10	27	7.9	2.0	358°	0.0
30	17	7	13	27	5	14	42	4	16	43	5	17	65	24	39	11.2	2.6	114°	0.0
31	19	4	12	32	2	14	48	1	18	52	2	20	78	16	43	6.3	1.7	250°	0.0
Monthly Avg.	19	8	13	29	6	14	41	5	17	46	6	18	73	24	49	8.5	2.0	232°	
Monthly Total																			83.1
YTD † Avg.	17	7	12	27	5	12	37	4	14	44	5	16	69	25	47	9.5	2.3	222°	
YTD † Total																			171.2

† Year To Date



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

Miami, Florida

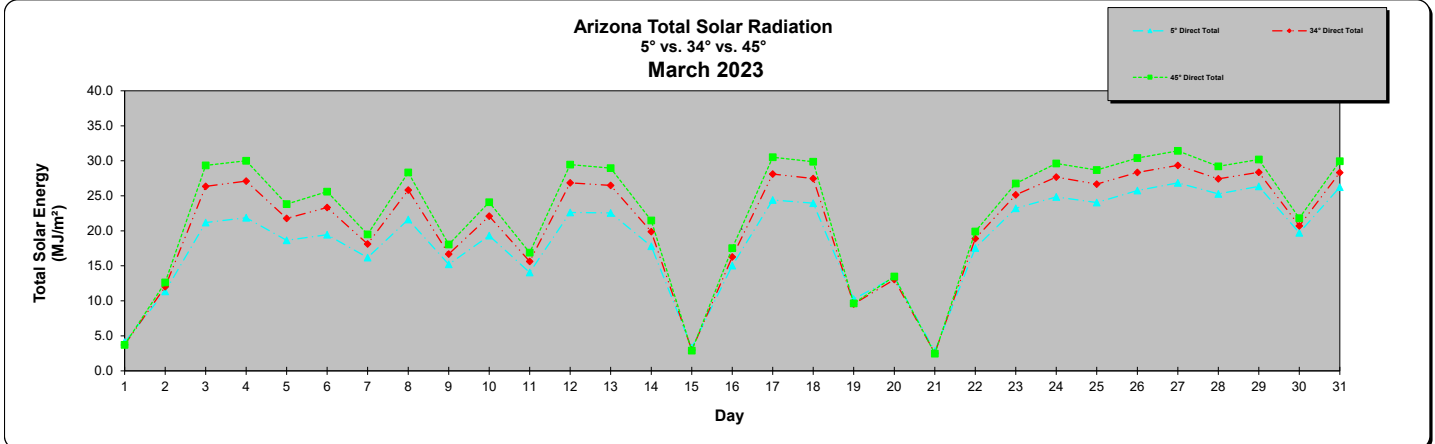
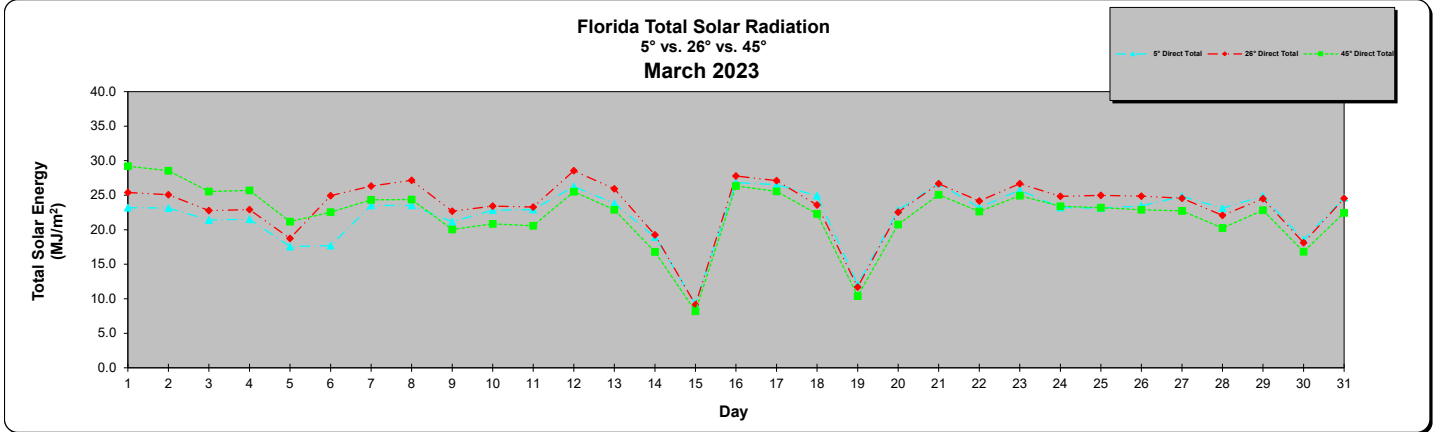
Latitude 33° 54' North, Longitude 112° 08' West, Elevation 610 (m)

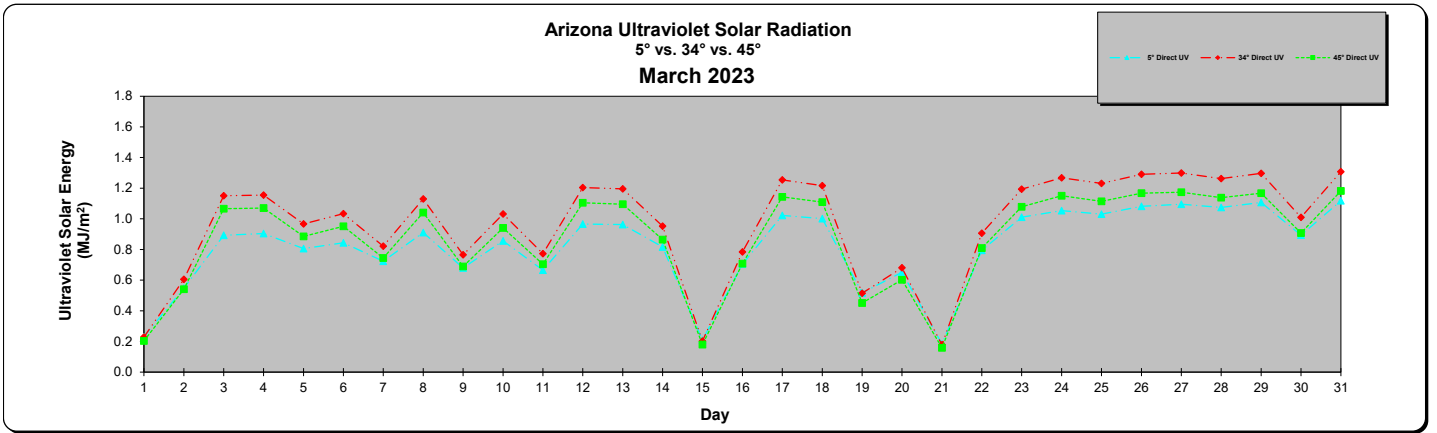
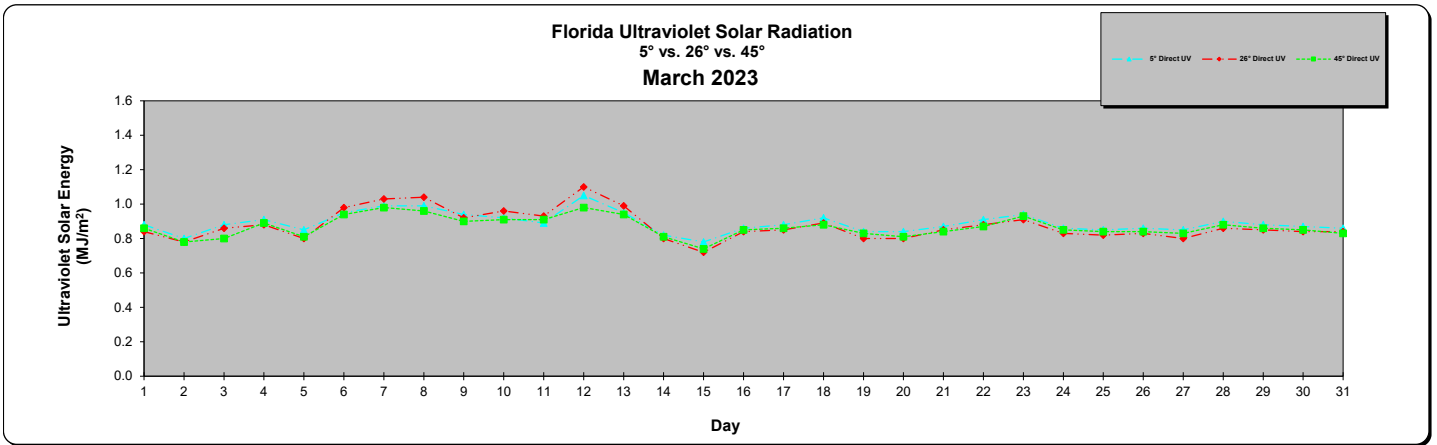
Phoenix, Arizona

Month	Solar Radiation Summary																									
	Total Solar Radiation (MJ/m2)						Ultraviolet Solar Radiation (MJ/m ²)																			
	Direct			Underglass			Direct			Underglass																
	5°	26°	45°	5°	26°	45°	5°	26°	45°	5°	26°	45°														
March																										
Day																										
1	23.2	25.4	29.2	20.0	22.6	23.1	0.88	0.84	0.86	0.55	0.55	0.59	4.1	3.7	3.7	3.4	3.1	3.0	0.23	0.23	0.20	0.17	0.14	0.12	0	0.00
31	24.6	24.5	22.4	19.7	19.4	17.0	0.86	0.84	0.83	0.53	0.55	0.57	26.2	28.3	29.9	21.7	23.9	24.6	1.12	1.31	1.18	0.81	0.82	0.73	191	4.82
Monthly Total	691.4	724.2	688.7	559.1	587.6	544.5	27.59	27.12	26.86	17.10	17.64	18.51	578.9	646.8	696.1	477.7	546.6	573.2	25.36	29.91	27.15	18.46	18.74	16.69	2459	61.82
YTD[†] Total	1638.4	1843.7	2023.5	1362.0	1566.9	1609.8	75.35	74.55	74.95	47.67	48.43	51.75	1389.3	1739.8	1950.4	1120.7	1474.8	1613.3	59.10	73.75	68.17	42.84	46.11	42.02	6711.73	158.55

[†] Year To Date

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

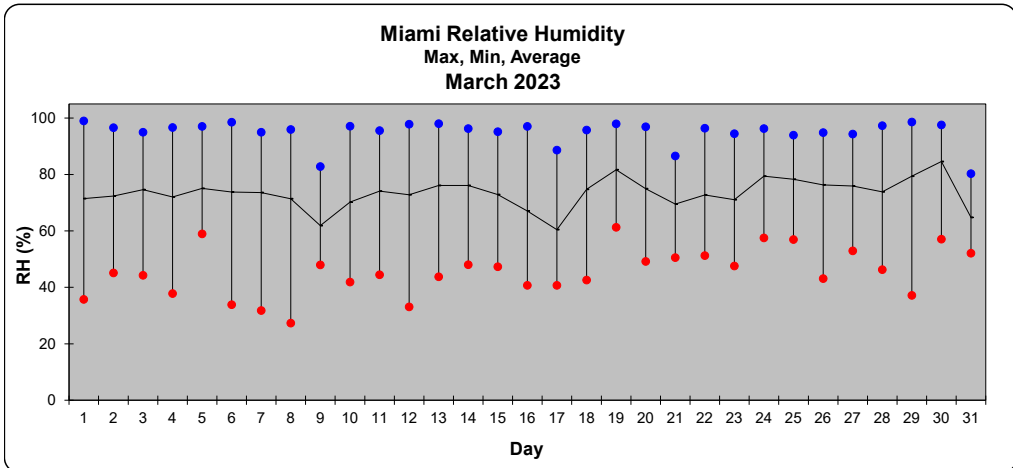
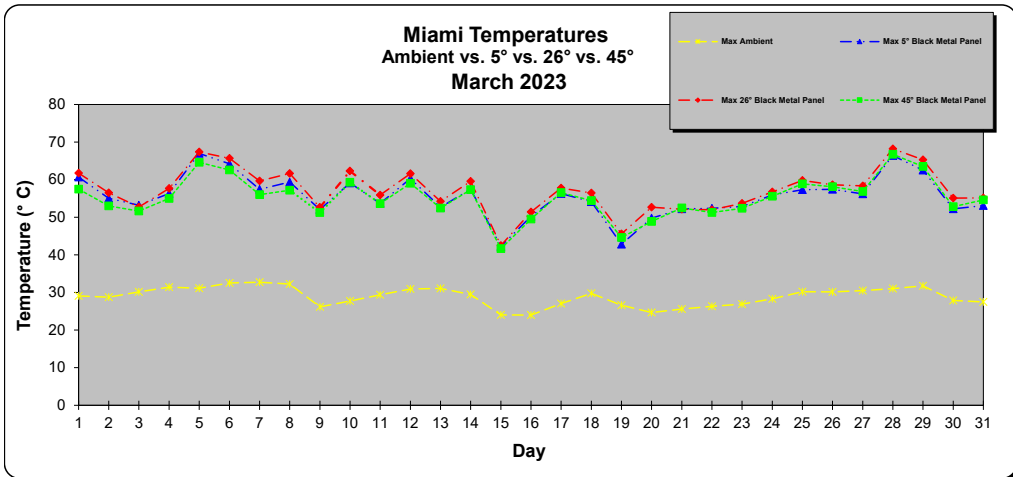




Latitude 25° 34' North, Longitude 80° 28' West, Elevation 2 (m)

Month	Temperature Summary												Climate Summary						
	Ambient Temperature			Black Metal Panel Temperature (ASTM G179) (° C)									Relative Humidity			Wind Speed		Wind Direction	Rainfall
March	(° C)			5 °			26 °			45 °			(%)			m/sec		360° = N	(mm)
Day	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Avg.	Avg	Total
1	29	13	21	61	10	27	62	10	27	57	10	26	99	36	71	4.7	2.3	116°	0.0
2	29	15	22	55	13	27	57	13	28	53	12	26	97	45	72	5.1	3.3	134°	0.0
3	30	18	25	53	17	29	53	17	30	52	17	29	95	44	75	6.2	4.7	138°	0.0
4	31	20	25	56	18	30	58	18	30	55	18	30	97	38	72	5.3	3.0	201°	0.0
5	31	17	24	67	16	29	67	16	29	65	16	28	97	59	75	4.0	1.6	121°	0.0
6	33	17	24	64	16	30	66	16	31	63	16	30	99	34	74	3.5	2.2	193°	0.0
7	33	20	25	57	18	30	60	18	31	56	18	30	95	32	74	4.2	2.7	246°	0.3
8	32	20	24	59	18	30	62	18	31	57	18	29	96	27	71	4.7	3.8	198°	0.8
9	26	18	23	52	15	27	53	15	27	51	14	26	83	48	62	5.2	4.0	74°	0.0
10	28	14	21	59	12	25	62	12	25	59	12	25	97	42	70	4.4	3.3	136°	0.0
11	29	16	23	54	14	26	56	14	27	54	14	26	96	45	74	6.4	3.8	242°	0.0
12	31	16	23	60	14	29	62	14	29	59	14	29	98	33	73	5.6	2.5	205°	0.0
13	31	18	24	53	17	28	54	17	29	52	17	28	98	44	76	7.9	4.0	202°	0.0
14	29	18	23	57	17	27	60	17	28	57	17	27	96	48	76	3.8	2.5	198°	0.0
15	24	13	19	42	11	20	43	11	20	42	11	20	95	47	73	5.0	2.8	128°	0.0
16	24	12	19	50	10	23	51	10	23	50	9	23	97	41	67	6.5	4.6	123°	0.3
17	27	17	22	56	13	26	58	13	26	57	13	26	89	41	60	5.9	4.6	118°	0.0
18	30	16	23	54	14	27	56	14	27	54	14	27	96	43	75	5.2	3.5	152°	0.0
19	27	15	21	43	15	23	46	15	23	45	15	23	98	61	82	4.0	2.9	254°	0.8
20	25	14	18	50	14	23	53	14	23	49	14	23	97	49	75	5.1	4.3	240°	10.7
21	26	13	20	52	12	25	52	12	25	52	12	25	87	51	70	5.1	3.9	151°	0.0
22	26	14	21	52	12	24	52	12	24	51	12	24	96	51	73	6.9	4.4	86°	0.0
23	27	17	22	53	14	27	54	15	27	52	14	26	94	48	71	5.5	4.1	88°	0.0
24	28	16	23	56	15	27	57	14	27	56	14	27	96	58	79	5.5	4.3	97°	0.0
25	30	21	25	57	19	29	60	19	30	59	19	29	94	57	78	4.7	4.2	129°	0.0
26	30	21	25	57	19	29	59	19	30	58	19	29	95	43	76	5.0	4.4	118°	0.0
27	30	20	25	56	19	30	58	19	30	57	18	30	94	53	76	4.9	4.2	131°	0.0
28	31	20	25	66	19	31	68	19	31	67	19	31	97	46	74	4.5	2.7	168°	0.0
29	32	20	24	63	18	29	65	18	30	64	17	30	99	37	79	4.4	2.5	171°	12.7
30	28	20	23	52	19	26	55	19	27	53	19	27	98	57	85	5.5	2.6	98°	2.8
31	27	22	24	53	21	29	55	21	29	55	20	29	80	52	65	6.2	5.3	91°	0.0
Monthly Avg.	29	17	23	56	15	27	57	15	28	55	15	27	95	45	73	5.2	3.5	153°	
Monthly Total																			28.2
YTD [†] Avg.	28	16	22	55	14	26	55	14	26	52	14	25	96	48	76	5.0	3.4	148°	
YTD [†] Total																			185.9

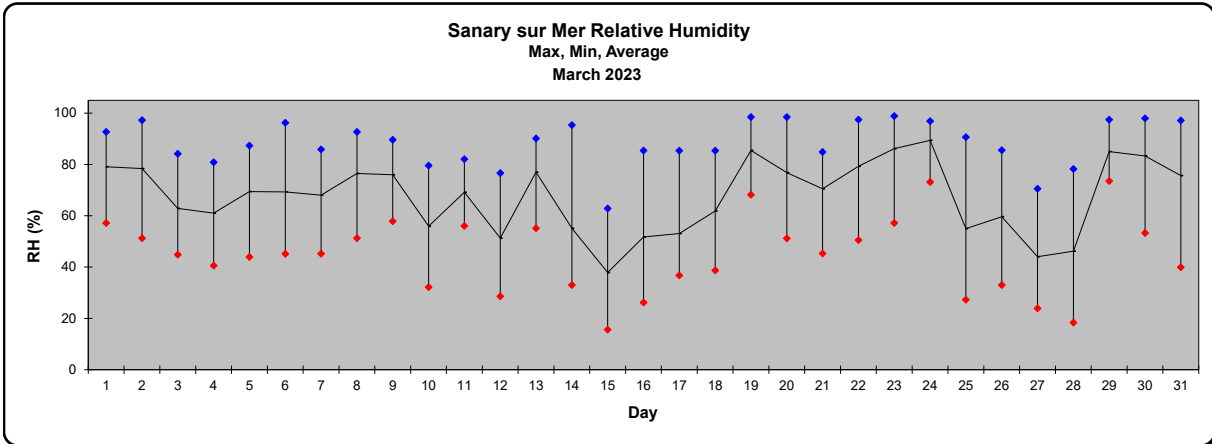
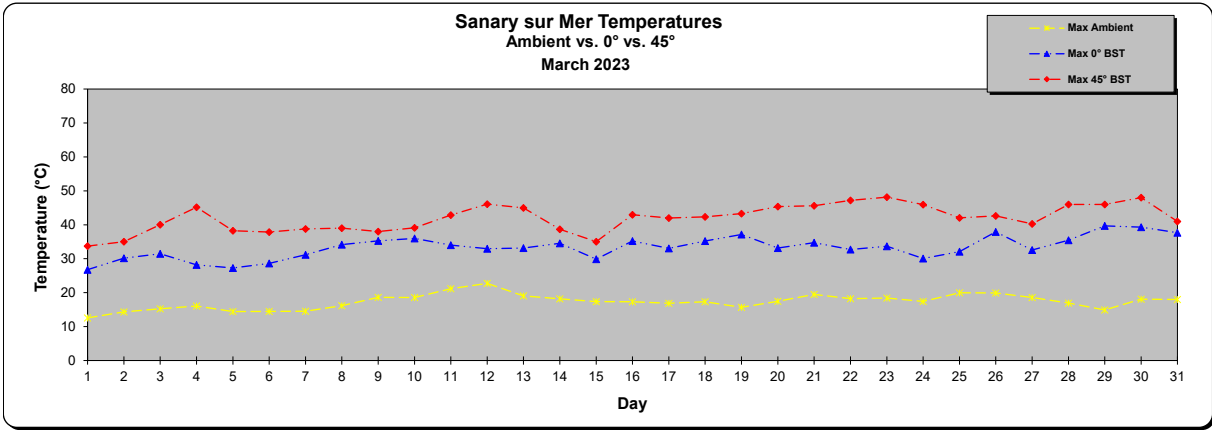
[†] Year To Date



Month	Temperature Summary															Climate Summary															
	Ambient Temperature (°C)			Black Standard Temperature BST (°C)					Black Panel Temperature BPT (°C)					Black Metal Panel Temperature (ASTM G179) (°C)			Relative Humidity (%)		Wind Speed (m/s)		Wind Direction (360°/0°=N)	Rainfall (mm)									
March	°C			0°		45°			0°		45°			0°		45°			Max	Avg	Max	Avg	360°/0°=N	Total							
Day	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Avg	Total							
1	13	5	8	27	4	12	34	2	10	26	2	9	30	2	10	28	2	10	36	2	11	93	57	79	3.2	0.5	53°	0.0			
2	14	6	9	30	5	13	35	3	13	36	3	10	41	3	12	35	3	12	46	3	13	97	51	78	4.3	0.5	21°	0.3			
3	15	4	10	31	5	12	40	1	14	32	1	11	37	1	13	32	1	14	42	1	14	84	45	63	3.6	0.8	1°	0.0			
4	16	5	10	28	4	12	45	2	16	33	1	12	42	2	15	36	1	13	47	2	16	81	41	61	4.2	0.8	2°	0.0			
5	14	3	8	27	5	12	38	0	13	26	0	10	33	0	12	29	-1	10	39	0	13	87	44	69	8.0	0.9	294°	0.0			
6	14	6	10	29	4	12	38	3	15	25	3	11	32	3	13	29	3	12	39	3	15	96	45	69	6.4	1.1	292°	0.0			
7	15	6	10	31	4	13	39	2	13	27	2	11	33	2	12	31	2	12	40	2	14	86	45	68	5.6	0.8	278°	0.0			
8	16	6	11	34	3	13	39	3	13	25	3	11	30	3	13	29	3	13	35	3	14	93	51	77	4.5	0.7	271°	0.0			
9	19	10	14	35	5	14	38	7	15	28	7	14	32	7	15	31	7	15	36	7	16	90	58	76	5.5	0.7	286°	0.0			
10	19	12	15	36	5	15	39	9	19	28	9	16	33	9	17	32	9	17	40	9	19	80	32	56	11.1	2.1	276°	0.0			
11	21	12	16	34	5	15	43	10	19	32	11	18	36	11	18	37	10	18	43	11	20	82	56	69	9.8	1.9	274°	0.0			
12	23	12	17	33	5	14	46	9	21	36	9	18	42	9	20	40	9	19	48	9	21	77	29	51	7.7	1.4	279°	0.0			
13	19	11	14	33	5	14	45	8	19	37	8	17	42	8	18	38	8	18	46	8	19	90	55	77	8.5	1.4	95°	0.0			
14	18	10	14	35	5	15	39	8	17	28	9	15	33	9	16	33	8	17	40	9	17	95	33	55	10.1	2.2	267°	0.3			
15	17	8	12	30	6	14	35	5	17	29	5	14	35	5	15	33	5	16	42	5	16	63	16	38	8.2	1.8	277°	0.0			
16	17	8	12	35	5	14	43	4	18	31	4	15	38	4	16	34	4	15	44	4	18	86	26	52	7.9	1.6	86°	0.0			
17	17	10	13	33	6	14	42	7	17	32	8	15	37	7	16	35	7	17	43	7	18	85	37	53	8.5	1.9	98°	0.0			
18	17	10	13	35	5	16	42	6	16	32	6	15	38	6	16	34	6	15	44	6	17	85	39	62	6.4	1.6	103°	0.0			
19	16	9	12	37	5	15	43	6	13	32	6	12	44	6	13	39	6	13	49	7	14	99	68	86	3.8	0.5	51°	6.1			
20	17	8	12	33	5	14	45	5	18	35	5	15	43	5	17	39	5	16	48	5	18	99	51	77	4.5	0.8	338°	0.0			
21	19	8	13	35	6	15	46	5	17	36	5	15	41	5	16	40	5	16	47	6	17	85	45	71	5.1	0.8	319°	0.0			
22	18	8	12	33	6	15	47	5	19	37	5	16	44	5	18	40	5	17	49	5	19	98	51	79	4.0	0.8	74°	0.0			
23	18	9	13	34	6	15	48	7	18	40	7	16	44	7	17	45	7	17	52	7	18	99	57	86	3.8	0.8	65°	0.0			
24	17	12	14	30	6	15	46	10	16	38	10	14	43	10	16	41	10	16	48	10	16	97	73	89	5.1	1.1	92°	0.0			
25	20	10	15	32	5	14	42	7	19	32	7	16	37	7	17	37	6	17	43	7	19	91	27	55	8.7	1.5	270°	0.0			
26	20	10	14	38	4	16	43	7	16	33	7	15	38	7	16	38	7	16	45	7	17	86	33	60	7.5	1.4	284°	0.0			
27	19	7	13	33	6	15	40	3	18	31	3	15	36	3	16	36	3	16	42	3	18	71	24	44	10.2	2.2	272°	0.0			
28	17	5	11	35	6	17	46	1	17	38	1	15	43	1	16	38	1	17	48	1	17	78	18	46	5.8	1.1	74°	0.0			
29	15	7	12	40	7	18	46	4	12	17	4	10	21	4	12	24	3	13	23	4	13	98	74	85	3.9	0.7	298°	0.0			
30	18	10	13	39	7	18	48	7	19	40	7	14	44	7	18	43	8	19	51	8	19	98	53	83	5.1	1.0	81°	0.0			
31	18	10	14	38	7	18	41	7	17	29	8	13	33	7	16	35	8	17	38	8	17	97	40	76	9.3	1.4	281°	0.0			
Monthly Avg.	17	8	12	33	5	14	42	5	16	32	5	14	37	5	15	35	5	15	43	5	17	88	44	67	6.5	1.2	186°				
Monthly Total																															
YTD [†] Avg.	15	6	10	29	3	11	39	3	13	28	3	11	35	3	13	29	3	12	40	3	14	86	46	68	7.9	1.4	140°				
YTD [†] Total																															

[†] Year To Date

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



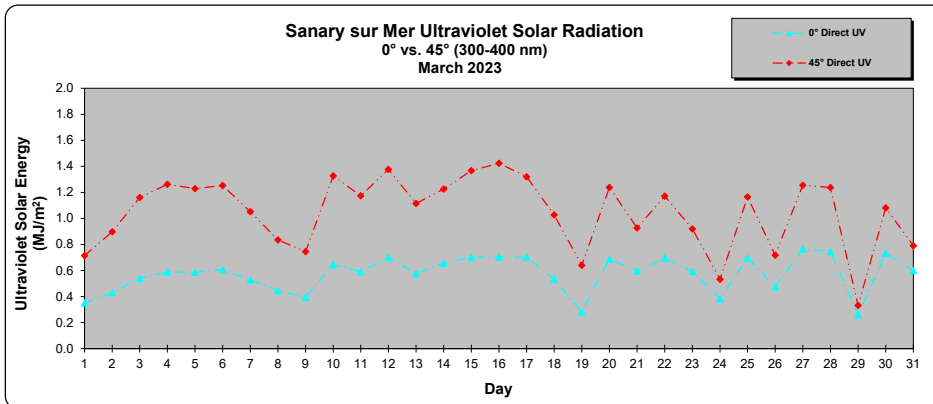
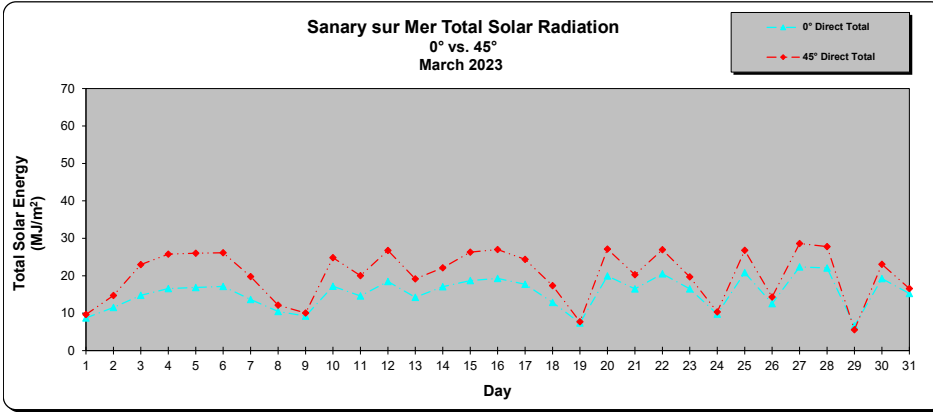
Solar Radiation Summary
March 2023
Sanary sur Mer, France

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

Solar Radiation Summary						
Month	Total Solar Radiation (MJ/m ²)		Ultraviolet Solar Radiation (MJ/m ²)			
	Direct		295-385 nm		300-400 nm	
March	0°	45°	0°	45°	0°	45°
Day	0°	45°	0°	45°	0°	45°
1	8.7	9.6	0.27	0.54	0.35	0.72
2	11.5	14.7	0.33	0.68	0.43	0.90
3	14.8	23.0	0.41	0.88	0.54	1.16
4	16.6	25.8	0.45	0.96	0.59	1.26
5	16.9	26.0	0.45	0.94	0.59	1.23
6	17.2	26.2	0.46	0.95	0.61	1.25
7	13.7	19.8	0.40	0.80	0.53	1.05
8	10.5	12.1	0.34	0.64	0.45	0.84
9	9.2	10.0	0.30	0.57	0.40	0.75
10	17.2	24.8	0.49	1.01	0.65	1.33
11	14.6	20.0	0.45	0.89	0.59	1.17
12	18.5	26.8	0.54	1.05	0.70	1.38
13	14.2	19.2	0.44	0.85	0.58	1.12
14	17.1	22.1	0.50	0.93	0.66	1.23
15	18.7	26.3	0.54	1.04	0.70	1.37
16	19.3	27.0	0.54	1.08	0.70	1.42
17	17.7	24.4	0.54	1.01	0.70	1.32
18	12.9	17.4	0.41	0.78	0.54	1.03
19	7.4	7.7	0.22	0.49	0.28	0.64
20	19.9	27.1	0.53	0.94	0.69	1.24
21	16.5	20.3	0.46	0.71	0.60	0.93
22	20.5	27.0	0.53	0.89	0.70	1.17
23	16.5	19.7	0.45	0.70	0.59	0.92
24	9.8	10.4	0.29	0.41	0.38	0.53
25	20.9	26.8	0.53	0.89	0.70	1.17
26	12.6	14.3	0.36	0.55	0.48	0.72
27	22.4	28.6	0.58	0.96	0.76	1.26
28	22.1	27.8	0.57	0.94	0.75	1.24
29	6.6	5.6	0.20	0.25	0.26	0.33
30	19.2	23.1	0.56	0.82	0.73	1.08
31	15.3	16.6	0.46	0.60	0.60	0.79
Monthly Total	478.7	630.1	13.58	24.75	17.81	32.52
YTD¹ Total	956.2	1529.7	27.13	54.50	36.28	71.32

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

Note:



**Weather Summary
March 2023**

North Sea Corrosion Test Centre

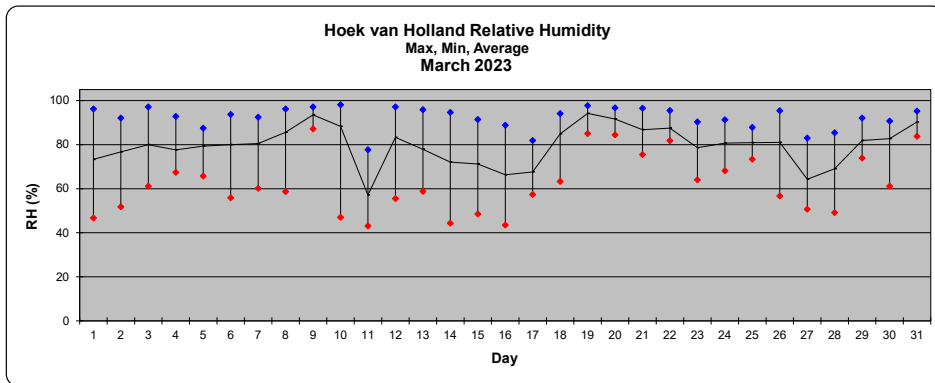
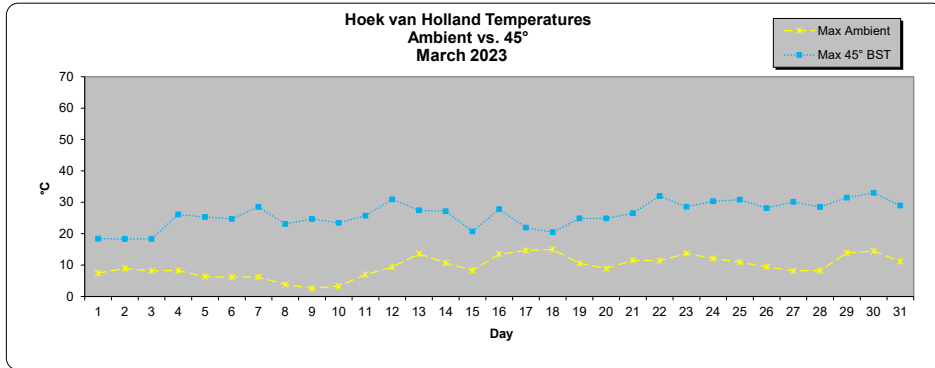
Hoek van Holland, The Netherlands

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

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)
March	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Avg	Avg	Total
1	7	-3	2	18	0	5	96	47	73	8.1	2.5	191°	0.3
2	9	0	4	18	0	5	92	52	77	7.8	3.5	187°	0.0
3	8	-1	4	18	0	5	97	61	80	7.5	2.9	167°	0.0
4	8	4	6	26	-1	6	93	67	78	8.1	3.8	132°	0.3
5	6	3	5	25	-1	7	88	66	79	7.7	2.9	95°	1.0
6	6	3	5	25	0	7	94	56	80	11.0	4.2	37°	6.4
7	6	2	4	29	0	7	93	60	81	10.4	4.3	83°	10.9
8	4	-1	1	23	0	8	96	59	86	7.4	2.4	222°	3.6
9	3	0	2	25	1	8	97	87	94	8.0	2.6	216°	13.0
10	3	1	2	23	1	7	95	47	88	17.5	4.9	180°	18.8
11	7	1	4	26	1	8	78	43	57	9.8	2.1	111°	0.0
12	9	3	7	31	-1	9	97	56	83	14.2	5.0	339°	1.3
13	14	8	11	27	-1	7	96	59	78	19.3	8.9	353°	2.5
14	11	3	7	27	-1	7	95	44	72	13.7	6.2	65°	7.4
15	8	1	6	21	1	8	91	49	71	11.2	3.1	339°	1.0
16	14	5	9	28	1	9	89	44	66	11.6	5.0	308°	1.3
17	15	9	11	22	1	7	82	57	68	6.7	2.8	317°	0.0
18	15	8	11	20	1	6	94	63	85	8.2	3.2	317°	4.1
19	11	7	8	25	0	7	98	85	94	7.8	3.3	9°	0.3
20	9	7	8	25	1	8	97	84	92	11.4	5.0	351°	7.1
21	12	8	10	27	0	8	97	76	87	11.0	5.1	343°	1.0
22	11	9	10	32	0	9	96	82	88	13.6	7.2	332°	2.5
23	14	10	12	29	-1	8	90	64	79	13.2	7.0	349°	6.4
24	12	9	10	30	-2	8	91	68	81	16.1	8.6	359°	1.3
25	11	9	10	31	-2	9	88	73	81	15.2	7.6	13°	0.3
26	9	6	8	28	-2	8	95	57	81	12.7	4.1	184°	6.6
27	8	3	6	30	-2	9	83	51	64	11.6	4.8	112°	0.3
28	8	4	6	29	0	9	85	49	69	10.2	4.3	333°	0.0
29	14	6	10	31	0	9	92	74	82	9.0	4.5	328°	0.0
30	15	10	11	33	1	10	91	61	83	14.7	7.9	1°	0.5
31	11	9	10	29	1	10	95	84	90	14.4	6.8	336°	8.4
Monthly Avg.	10	5	7	26	0	8	92	62	80	11.3	4.7	216°	
Monthly Total													106.2
YTD¹ Avg.	9	4	6	20	0	5	92	67	81	11.0	4.6	193°	
YTD¹ Total													234.4

¹Year To Date For Pollution (SO2, Nox, O3) visit www.lml.rivm.nl

Note: The Black Panel sensor is not measuring correctly. Highlighted data are 10-year averages.



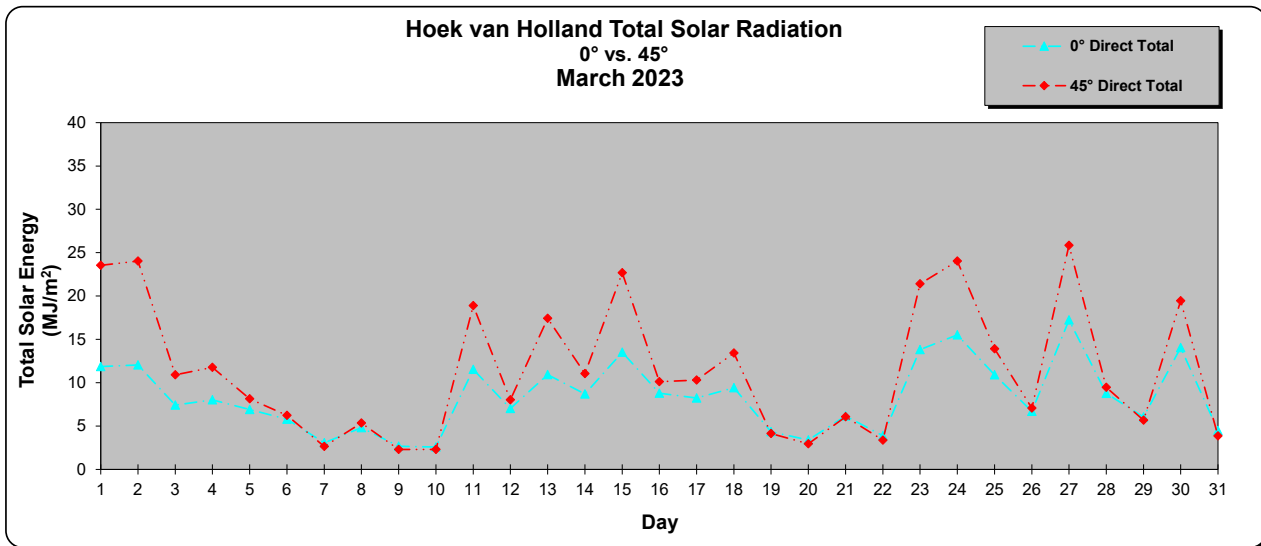
North Sea Corrosion Test Centre
Solar Radiation Summary
March 2023

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 ²)	
March	Direct	
Day	0°	45°
1	11.9	23.5
2	12.1	24.0
3	7.4	10.9
4	8.0	11.8
5	6.9	8.2
6	5.8	6.2
7	3.1	2.6
8	4.8	5.3
9	2.7	2.3
10	2.6	2.3
11	11.5	18.9
12	7.0	8.0
13	10.9	17.4
14	8.7	11.0
15	13.5	22.7
16	8.8	10.1
17	8.2	10.3
18	9.4	13.4
19	4.3	4.1
20	3.4	3.0
21	6.2	6.1
22	3.9	3.4
23	13.8	21.4
24	15.5	24.0
25	10.9	13.9
26	6.7	7.1
27	17.2	25.9
28	8.8	9.5
29	6.1	5.7
30	14.0	19.4
31	4.5	3.9
Monthly Total	258.7	356.4
YTD[†] Total	481.2	768.8

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

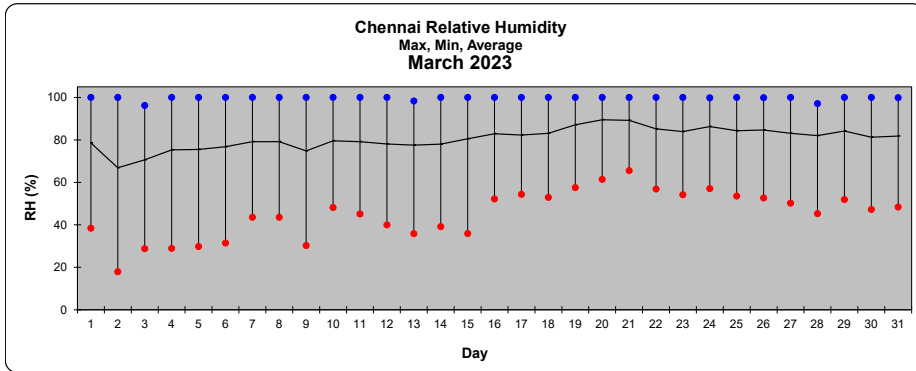
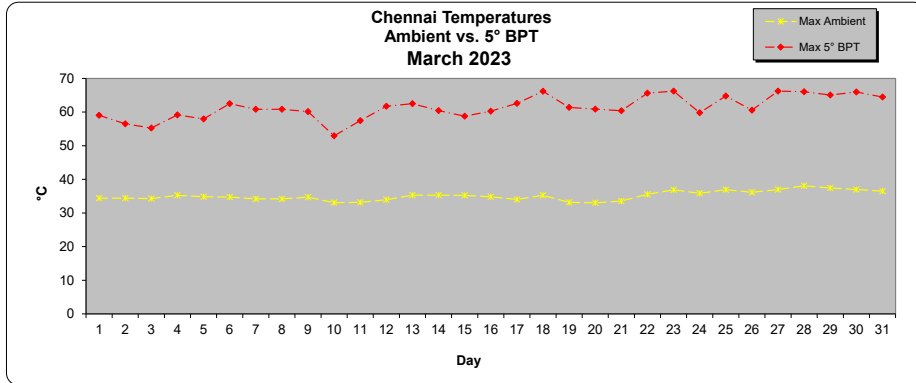


Weather Summary
March 2023
Chennai, India

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)
March	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Avg	Avg	Total
1	34	24	28	59	20	31	100	38	79	4.6	1.0	14°	0.0
2	34	22	27	56	17	30	100	18	67	5.5	0.9	357°	0.0
3	34	21	26	55	17	29	96	29	71	4.8	0.9	7°	0.0
4	35	21	27	59	17	30	100	29	75	4.4	0.8	1°	0.0
5	35	22	27	58	18	31	100	30	76	5.6	0.9	6°	0.0
6	35	22	27	62	18	31	100	31	77	3.9	0.8	12°	0.0
7	34	21	27	61	18	30	100	44	79	3.5	0.8	19°	0.0
8	34	21	27	61	18	30	100	44	79	3.5	0.8	19°	0.0
9	35	22	27	60	18	31	100	30	75	4.6	0.8	12°	0.0
10	33	23	27	53	20	29	100	48	80	4.9	0.9	3°	0.0
11	33	23	27	57	20	30	100	45	79	3.3	0.8	23°	0.0
12	34	23	27	62	20	30	100	40	78	5.2	1.0	4°	0.0
13	35	23	28	62	20	31	98	36	78	5.4	1.0	17°	0.0
14	35	24	28	60	21	32	100	39	78	5.1	0.8	20°	0.0
15	35	23	28	59	20	32	100	36	81	5.4	0.8	31°	0.0
16	35	24	28	60	21	31	100	52	83	3.6	0.8	120°	0.0
17	34	24	29	63	22	32	100	54	82	4.0	0.8	103°	0.0
18	35	25	29	66	23	33	100	53	83	5.5	0.9	59°	0.0
19	33	25	29	61	23	31	100	58	87	3.5	0.8	93°	1.3
20	33	26	28	61	24	31	100	61	90	3.7	0.7	19°	13.2
21	34	25	29	60	24	32	100	66	89	5.3	1.0	114°	14.5
22	36	25	30	66	23	35	100	57	85	5.0	0.8	126°	0.0
23	37	27	31	66	24	35	100	54	84	3.8	0.7	125°	0.0
24	36	26	29	60	23	31	100	57	86	4.5	0.6	104°	0.3
25	37	25	30	65	22	34	100	54	84	4.1	0.8	151°	0.0
26	36	27	30	61	24	34	100	53	85	3.8	0.8	133°	0.0
27	37	27	30	66	24	34	100	50	83	4.2	0.7	125°	0.0
28	38	27	31	66	24	36	97	45	82	4.3	0.9	150°	0.0
29	37	27	31	65	24	35	100	52	84	3.8	0.8	140°	0.0
30	37	26	30	66	22	34	100	47	81	3.8	0.8	133°	0.0
31	37	25	29	64	22	34	100	48	82	4.4	0.8	139°	0.0
Monthly Avg.	35	24	28	61	21	32	100	45	81	4.4	0.8	77°	
Monthly Total													29.2
YTD¹ Avg.	33	22	27	57	19	30	100	46	81	4.3	0.8	135°	
YTD¹ Total													31.5

¹ Year To Date



Solar Radiation Summary
March 2023
Chennai, India

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

Solar Radiation Summary			
Month	Total Solar Radiation (MJ/m ²)	Ultraviolet Solar Radiation (MJ/m ²)	
		295-385 nm	300-400 nm
March	Direct		
Day	5°	5°	
1	21.6	0.74	0.83
2	25.1	0.84	0.93
3	25.0	0.84	0.93
4	23.6	0.78	0.87
5	24.2	0.81	0.91
6	24.3	0.83	0.93
7	21.2	0.73	0.82
8	21.2	0.73	0.82
9	23.7	0.78	0.88
10	17.9	0.60	0.67
11	18.6	0.64	0.71
12	21.3	0.71	0.80
13	22.2	0.75	0.84
14	21.9	0.70	0.78
15	22.3	0.71	0.79
16	19.4	0.60	0.67
17	18.0	0.63	0.71
18	20.0	0.73	0.81
19	15.0	0.60	0.67
20	16.5	0.64	0.72
21	19.1	0.74	0.83
22	24.6	0.88	0.98
23	21.9	0.81	0.91
24	13.6	0.53	0.59
25	21.5	0.79	0.88
26	20.3	0.73	0.81
27	21.1	0.78	0.87
28	23.1	0.80	0.89
29	22.5	0.78	0.87
30	23.5	0.83	0.93
31	22.6	0.79	0.88
Monthly Total	656.7	22.84	25.49
YTD[†] Total	1782.2	62.18	69.41

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

