



# ATLAS

## WEATHERING SERVICES GROUP

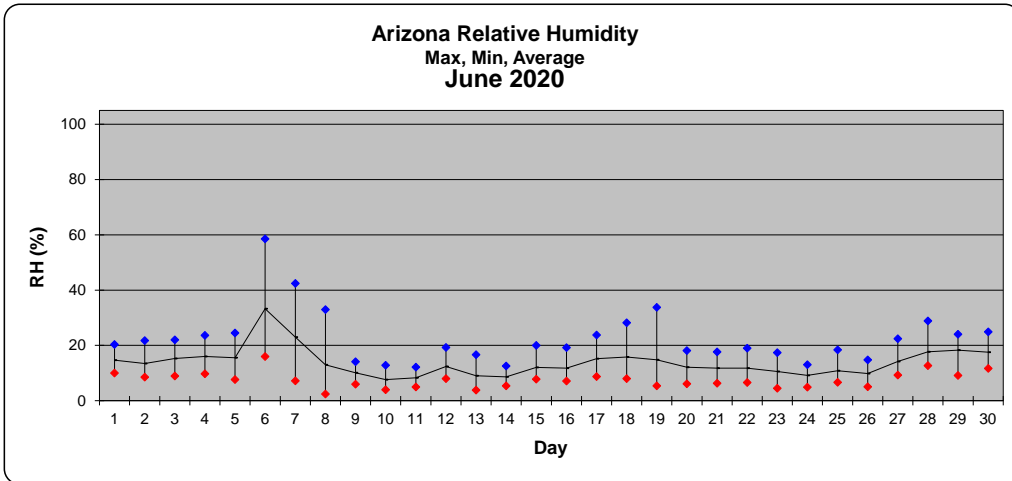
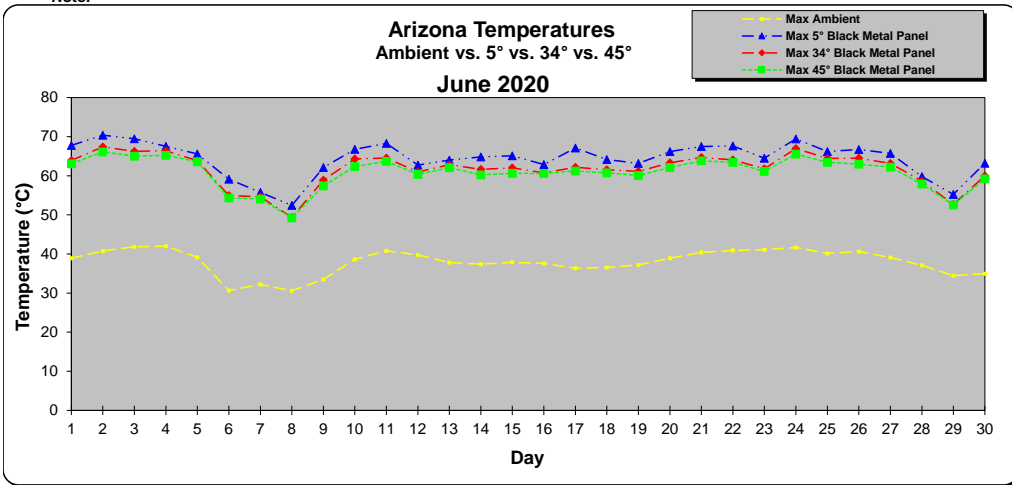
Latitude 33° 54' North, Longitude 112° 08' West, Elevation 610 (m)



### Weather Summary June 2020 Phoenix, Arizona

AWSG		Temperature Summary												Climate Summary					
Month	Ambient Temperature			Black Metal Panel Temperature (ASTM G179) (° C)									Relative Humidity			Wind Speed		Wind Direction	Rainfall
June	(° 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.	360°/0°=N	Total
1	39	23	32	68	21	38	64	21	37	63	21	37	20	10	15	6.5	1.5	284°	0.0
2	41	26	34	70	24	40	67	25	39	66	25	39	22	9	13	7.9	1.9	285°	0.0
3	42	29	35	69	26	41	66	27	40	65	27	40	22	9	15	10.2	1.7	165°	0.0
4	42	26	35	68	22	41	66	23	40	65	23	40	24	10	16	8.3	1.7	151°	0.0
5	39	26	32	66	23	36	64	24	36	64	24	36	25	8	16	9.4	1.7	148°	0.0
6	31	19	25	59	16	32	55	16	31	54	17	31	59	16	33	8.0	1.8	205°	0.0
7	32	19	26	56	15	32	55	16	30	54	16	30	42	7	23	11.6	1.9	190°	0.0
8	31	17	25	52	14	30	49	14	29	49	14	28	33	2	13	13.9	2.8	269°	0.0
9	33	16	25	62	12	31	59	13	30	57	13	30	14	6	10	8.4	2.2	25°	0.0
10	39	22	30	67	20	36	64	20	35	62	20	35	13	4	8	12.0	2.5	43°	0.0
11	41	23	33	68	21	39	65	22	38	64	22	37	12	5	8	9.3	2.4	6°	0.0
12	40	24	32	63	21	38	61	22	37	60	22	37	19	8	12	8.7	1.9	166°	0.0
13	38	22	31	64	18	36	63	19	35	62	19	35	17	4	9	9.4	2.0	205°	0.0
14	37	19	29	65	16	35	62	17	34	60	17	34	13	5	9	8.8	1.6	78°	0.0
15	38	20	30	65	17	36	62	17	35	61	18	35	20	8	12	11.8	1.5	98°	0.0
16	38	20	30	63	17	36	61	18	35	61	18	34	19	7	12	11.1	1.8	194°	0.0
17	36	21	30	67	17	35	62	18	34	61	18	34	24	9	15	8.9	1.8	151°	0.0
18	37	21	29	64	17	35	62	18	35	61	18	34	28	8	16	9.8	1.4	128°	0.0
19	37	20	30	63	17	35	61	18	35	60	18	34	34	5	15	8.8	1.5	120°	0.0
20	39	21	31	66	18	37	63	18	36	62	19	36	18	6	12	7.2	1.6	126°	0.0
21	40	24	33	67	21	38	65	22	37	64	22	37	18	6	12	10.8	1.9	143°	0.0
22	41	25	33	68	21	39	64	22	38	63	22	37	19	7	12	7.6	1.7	211°	0.0
23	41	24	33	65	20	38	62	21	37	61	21	37	17	5	11	8.8	1.8	171°	0.0
24	42	25	34	69	20	39	67	21	39	66	22	38	13	5	9	9.8	1.7	352°	0.0
25	40	23	33	66	20	37	64	21	37	63	21	37	18	7	11	8.2	1.5	106°	0.0
26	41	26	33	67	23	39	64	24	38	63	24	38	15	5	10	9.2	1.9	88°	0.0
27	39	26	33	66	23	39	63	24	38	62	24	38	22	9	14	8.3	1.9	171°	0.0
28	37	23	31	60	19	36	59	19	35	58	20	35	29	13	18	9.8	2.3	185°	0.0
29	34	23	29	55	19	34	53	19	33	53	20	33	24	9	18	11.1	2.4	211°	0.0
30	35	20	28	63	17	34	60	18	33	59	18	33	25	12	18	7.4	1.7	125°	0.0
Monthly Avg.	38	22	31	64	19	36	62	20	35	61	20	35	23	7	14	9.4	1.9	160°	0.0
Monthly Total																			0.0
YTD <sup>†</sup> Avg.	27	13	20	50	10	24	53	11	24	53	11	25	50	18	33	8.8	2.0	102°	150.1
YTD <sup>†</sup> Total																			

<sup>†</sup> Year To Date  
Note:





# Solar Radiation Summary June 2020

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

**Miami, Florida**

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

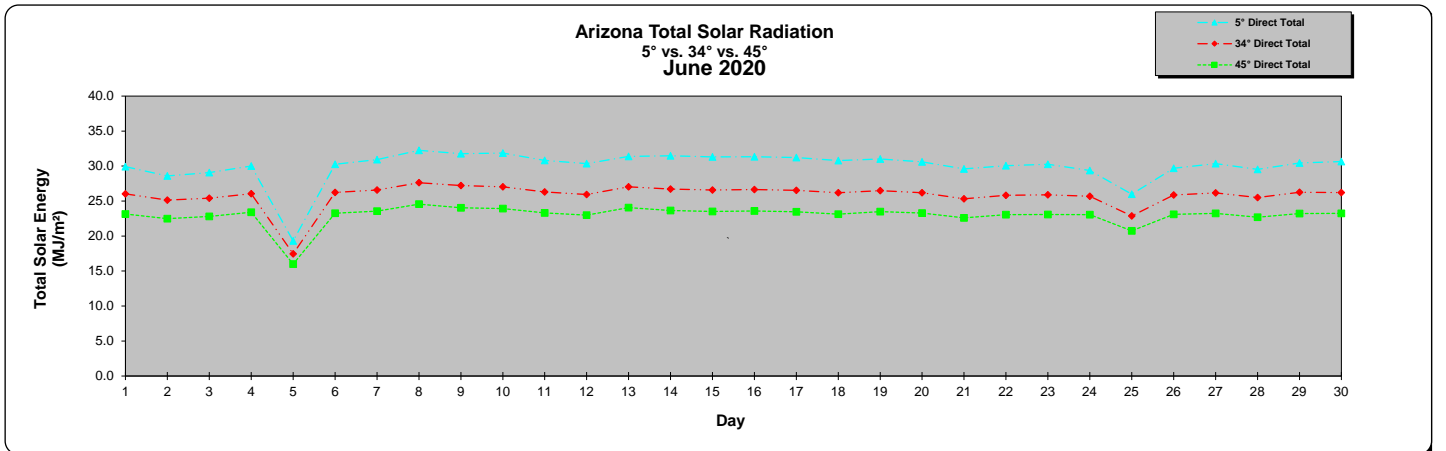
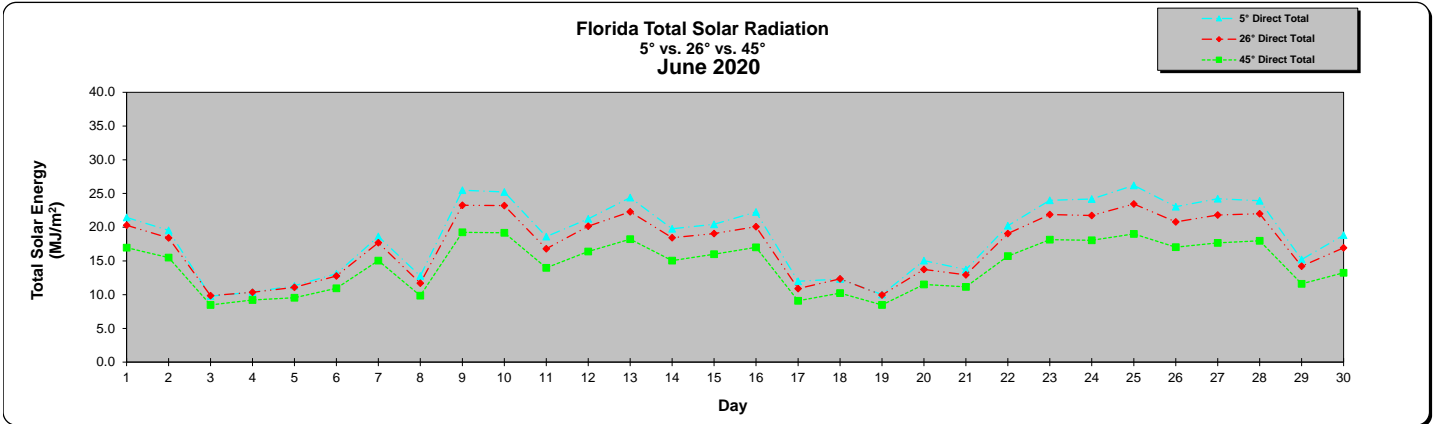
**Phoenix, Arizona**

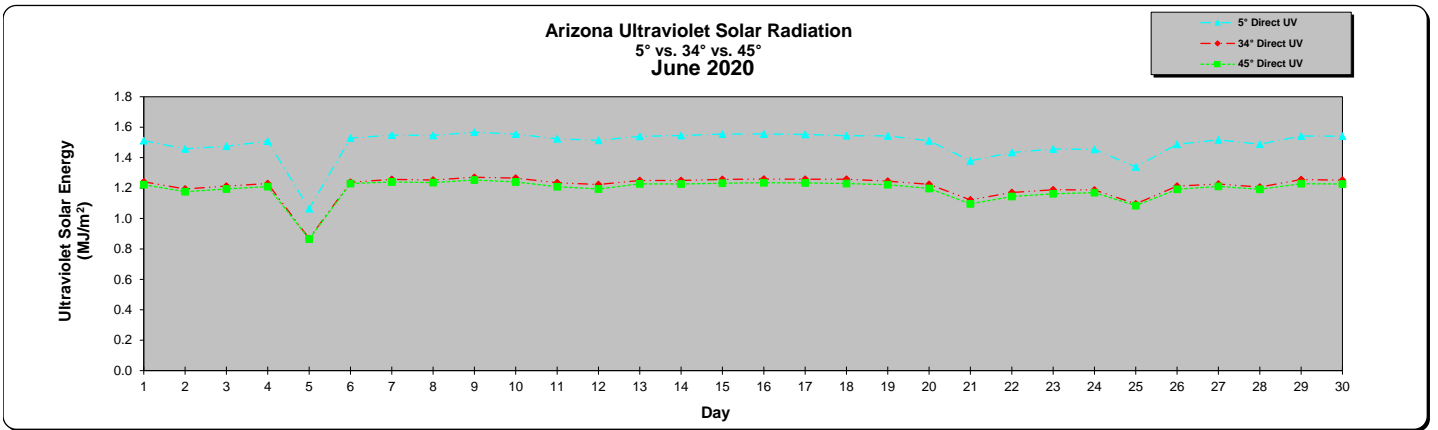
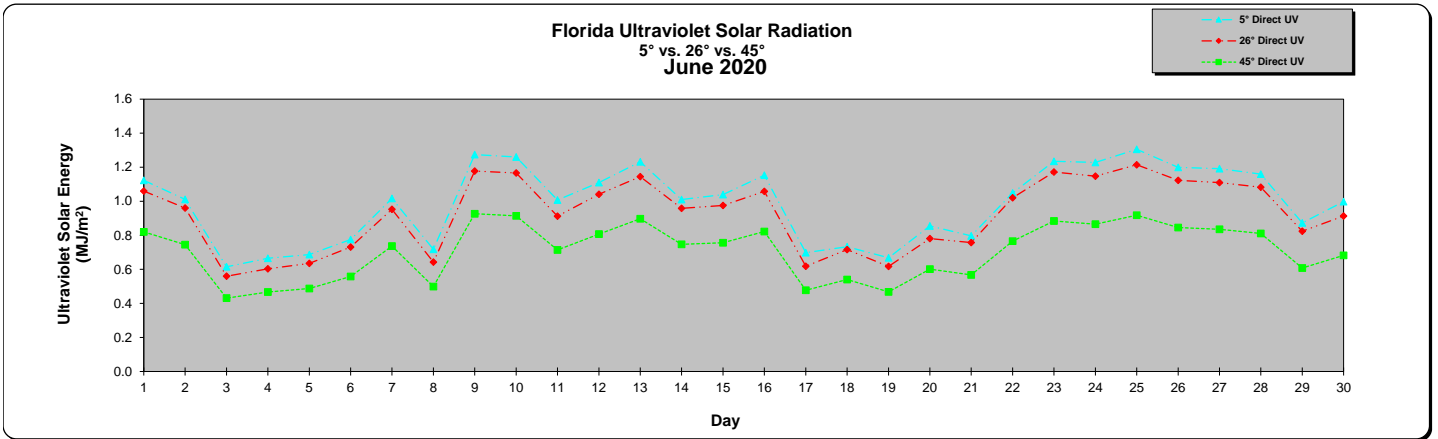
AWSG	Solar Radiation Summary											
	Total Solar Radiation (MJ/m <sup>2</sup> )						Ultraviolet Solar Radiation (MJ/m <sup>2</sup> )					
	Direct						Underglass					
	5°	26°	45°	5°	26°	45°	5°	26°	45°	5°	26°	45°
1	21.5	20.3	17.0	18.8	16.3	14.0	1.12	1.06	0.82	0.90	0.78	0.48
2	19.5	18.4	15.5	17.0	14.8	12.7	1.01	0.96	0.75	0.82	0.70	0.43
3	9.8	9.9	8.5	8.4	7.2	6.7	0.62	0.56	0.43	0.48	0.39	0.25
4	10.4	10.3	9.2	9.0	7.9	7.3	0.67	0.60	0.47	0.53	0.43	0.29
5	11.3	11.1	9.5	9.9	8.7	7.9	0.69	0.64	0.49	0.54	0.45	0.29
6	13.1	12.8	10.9	11.4	10.1	9.1	0.78	0.73	0.56	0.61	0.51	0.33
7	18.6	17.7	15.0	16.2	14.1	12.5	1.02	0.95	0.74	0.81	0.69	0.42
8	12.8	11.7	9.9	10.9	9.0	7.6	0.72	0.64	0.50	0.56	0.46	0.29
9	25.5	23.2	19.2	22.2	18.9	15.5	1.27	1.18	0.93	1.02	0.88	0.53
10	25.2	23.2	19.2	22.1	18.9	15.8	1.26	1.17	0.91	1.01	0.87	0.52
11	18.6	16.8	14.0	16.0	13.5	11.3	1.01	0.91	0.71	0.80	0.68	0.41
12	21.2	20.2	16.4	18.4	16.1	13.7	1.11	1.04	0.81	0.89	0.76	0.46
13	24.4	22.3	18.2	21.2	18.1	14.7	1.23	1.15	0.90	0.99	0.85	0.50
14	19.8	18.4	15.0	17.3	14.9	12.4	1.01	0.96	0.75	0.83	0.71	0.43
15	20.4	19.0	16.0	17.8	15.5	13.0	1.04	0.98	0.76	0.84	0.72	0.44
16	22.3	20.1	17.0	19.1	16.0	13.4	1.15	1.06	0.82	0.91	0.77	0.47
17	12.0	10.9	9.1	9.9	8.3	6.8	0.70	0.62	0.48	0.53	0.44	0.27
18	12.3	12.3	10.2	10.8	9.6	8.9	0.73	0.72	0.54	0.59	0.51	0.33
19	10.0	10.0	8.5	8.4	7.7	7.4	0.67	0.62	0.47	0.51	0.43	0.28
20	15.0	13.7	11.5	12.4	10.8	9.3	0.85	0.78	0.60	0.67	0.56	0.35
21	13.7	12.9	11.2	11.7	10.3	8.9	0.80	0.76	0.57	0.62	0.53	0.33
22	20.2	19.1	15.7	17.0	15.4	13.2	1.05	1.02	0.77	0.84	0.73	0.44
23	24.0	21.9	18.2	19.9	17.7	14.6	1.24	1.17	0.88	0.97	0.84	0.50
24	24.2	21.7	18.0	19.0	17.6	14.4	1.23	1.15	0.87	0.95	0.82	0.48
25	26.2	23.4	19.0	20.9	18.8	15.2	1.31	1.21	0.92	1.02	0.87	0.51
26	23.0	20.8	17.0	18.7	16.6	13.7	1.20	1.12	0.85	0.92	0.80	0.47
27	24.2	21.8	17.7	19.9	17.3	14.4	1.19	1.11	0.84	0.92	0.79	0.46
28	23.9	22.0	18.0	19.9	17.6	15.0	1.16	1.08	0.81	0.89	0.77	0.46
29	15.2	14.2	11.6	12.6	11.2	9.7	0.87	0.82	0.61	0.66	0.57	0.34
30	18.8	16.9	13.2	15.6	13.3	10.8	1.00	0.91	0.68	0.74	0.64	0.38
Monthly Total	557.3	517.1	429.5	472.5	412.3	350.0	29.69	27.68	21.20	23.36	19.93	12.12
YTD <sup>†</sup> Total	3223.8	3654.0	3513.9	2874.3	2900.9	2468.0	159.30	167.12	158.80	136.28	114.41	85.23

EMMAQUA™	Solar Radiation Summary												Total	UV
	Total Solar Radiation (MJ/m <sup>2</sup> )						Ultraviolet Solar Radiation (MJ/m <sup>2</sup> )							
	Direct						Underglass							
	5°	34°	45°	5°	34°	45°	5°	34°	45°	5°	34°	45°		
29.9	26.0	23.2	25.7	21.8	19.7	1.51	1.24	1.22	1.03	0.92	0.79	193	6.55	
28.6	25.2	22.5	24.7	21.2	19.3	1.46	1.19	1.18	0.99	0.89	0.76	36	1.09	
29.1	25.4	22.8	25.2	21.5	19.5	1.48	1.21	1.19	1.00	0.90	0.77	179	5.94	
30.0	26.1	23.4	25.9	22.0	19.9	1.51	1.23	1.21	1.02	0.92	0.78	192	6.40	
19.3	17.5	16.0	16.7	14.7	13.8	1.07	0.87	0.87	0.72	0.65	0.56	0	0.00	
30.3	26.2	23.3	26.0	21.8	19.8	1.53	1.24	1.23	1.04	0.94	0.80	177	6.34	
30.9	26.6	23.6	26.6	22.3	20.0	1.55	1.26	1.24	1.06	0.95	0.81	189	6.64	
32.3	27.6	24.6	27.6	23.2	20.7	1.55	1.25	1.24	1.06	0.95	0.81	130	4.43	
31.8	27.2	24.0	27.3	22.8	20.3	1.57	1.27	1.25	1.07	0.96	0.82	187	6.58	
31.9	27.0	23.9	27.3	22.7	20.2	1.56	1.27	1.24	1.06	0.95	0.80	181	6.26	
30.8	26.3	23.3	26.5	22.1	19.8	1.52	1.24	1.21	1.04	0.92	0.78	198	6.50	
30.4	25.9	23.0	26.1	21.8	19.6	1.51	1.22	1.19	1.03	0.91	0.77	190	6.37	
31.4	27.0	24.1	27.0	22.8	20.4	1.54	1.25	1.23	1.05	0.94	0.79	183	6.09	
31.5	26.7	23.7	27.0	22.4	20.0	1.55	1.25	1.23	1.05	0.94	0.79	192	6.52	
31.3	26.6	23.5	26.8	22.3	19.9	1.56	1.26	1.23	1.05	0.94	0.79	204	6.98	
31.3	26.7	23.6	26.9	22.4	20.0	1.56	1.26	1.24	1.06	0.94	0.80	202	7.02	
31.2	26.5	23.5	26.9	22.3	19.8	1.55	1.26	1.23	1.06	0.94	0.80	203	7.09	
30.8	26.2	23.1	26.6	21.9	19.6	1.54	1.26	1.23	1.06	0.94	0.80	200	7.01	
31.0	26.5	23.5	26.9	22.2	19.9	1.54	1.25	1.22	1.05	0.94	0.80	166	5.86	
30.6	26.2	23.3	26.5	22.1	19.8	1.51	1.22	1.20	1.03	0.92	0.78	185	6.11	
29.6	25.3	22.6	25.5	21.3	19.2	1.38	1.12	1.10	0.94	0.84	0.71	0	0.00	
30.1	25.8	23.1	25.9	21.7	19.6	1.43	1.17	1.14	0.98	0.88	0.74	187	5.56	
30.3	25.9	23.1	26.0	21.7	19.6	1.46	1.19	1.16	0.99	0.89	0.75	187	5.64	
29.4	25.7	23.1	25.6	21.7	19.7	1.45	1.19	1.17	0.99	0.89	0.75	180	6.02	
26.0	22.9	20.8	22.6	19.4	17.7	1.34	1.10	1.09	0.91	0.82	0.70	115	4.12	
29.7	25.9	23.1	25.7	21.8	19.9	1.49	1.21	1.19	1.01	0.91	0.77	164	5.78	
30.4	26.2	23.3	26.3	22.0	19.8	1.52	1.23	1.21	1.03	0.92	0.78	183	6.15	
29.5	25.5	22.7	25.6	21.4	19.3	1.49	1.21	1.19	1.02	0.91	0.77	166	5.79	
30.5	26.3	23.2	26.4	22.0	19.8	1.54	1.26	1.23	1.05	0.94	0.80	160	5.74	
30.7	26.2	23.2	26.4	22.0	19.7	1.54	1.25	1.23	1.05	0.94	0.80	198	6.89	
900.2	775.1	689.8	776.1	651.3	586.1	44.78	36.41	35.78	30.47	27.29	23.17	4926	167.47	
4050.6	4306.1	4192.2	3413.1	3630.6	3629.9	189.81	180.42	180.01	132.87	134.66	123.99	23315.32	733.78	

<sup>†</sup> Year To Date

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



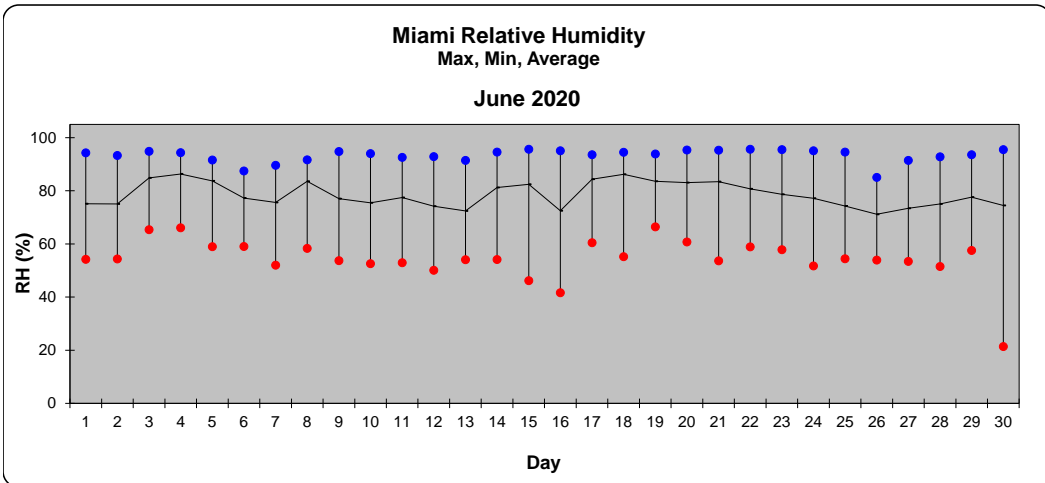
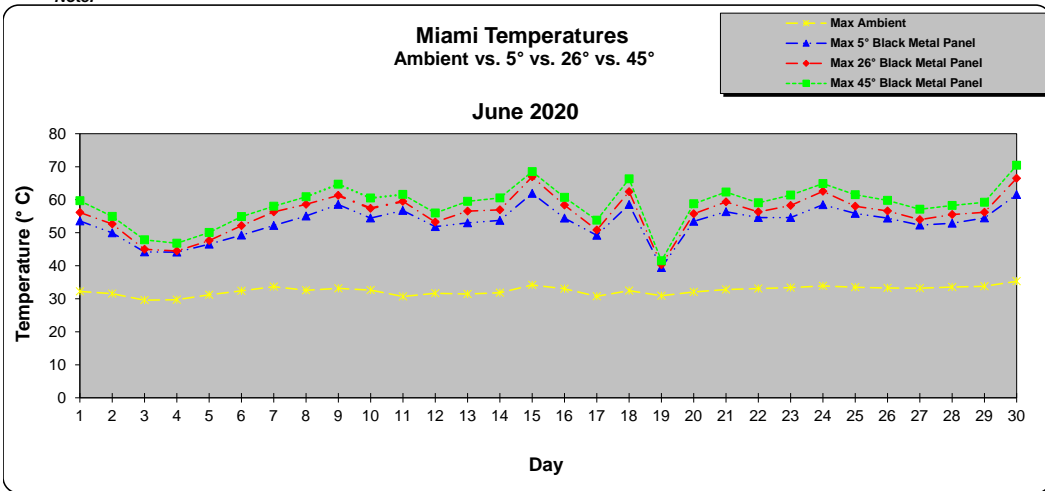


Latitude 25° 34' North, Longitude 80° 28' West, Elevation 2 (m)

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)
June				5 °			26 °			45 °									
Day	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.	Max	Avg.	Avg.	Total
1	32	23	28	54	22	32	56	22	32	60	22	33	94	54	75	19.0	0.0	248°	0.0
2	32	24	27	50	22	30	53	22	31	55	22	31	93	54	75	21.6	0.0	257°	8.4
3	30	23	26	44	22	27	45	22	28	48	22	28	95	65	85	18.0	0.0	221°	26.2
4	30	23	26	44	22	27	44	22	27	47	22	27	94	66	86	25.2	0.0	257°	24.6
5	31	26	28	47	25	30	48	24	30	50	24	30	92	59	84	20.5	1.8	290°	0.5
6	32	28	29	49	26	31	52	26	31	55	26	32	88	59	77	20.5	2.8	306°	0.3
7	34	27	30	52	26	33	56	26	33	58	25	34	90	52	76	19.8	1.4	287°	0.0
8	33	22	28	55	21	30	59	21	30	61	21	31	92	58	84	16.2	0.3	270°	36.8
9	33	24	29	59	22	33	61	22	34	65	22	35	95	54	77	14.7	0.0	267°	0.0
10	33	24	29	54	23	33	57	23	34	61	23	35	94	53	75	18.3	0.0	234°	0.0
11	31	23	27	57	21	29	60	21	30	62	21	30	93	53	77	21.6	0.0	194°	5.3
12	32	22	27	52	20	30	53	20	31	56	20	31	93	50	74	20.5	0.0	234°	0.0
13	31	23	28	53	21	32	57	21	32	60	21	33	92	54	72	18.3	0.0	250°	0.5
14	32	23	26	54	22	30	57	22	30	61	22	31	95	54	81	15.4	0.0	217°	17.8
15	34	23	26	62	22	30	67	21	31	69	21	32	96	46	82	14.7	0.0	193°	27.7
16	33	23	27	54	21	31	58	21	31	61	21	32	95	42	72	19.4	0.0	219°	0.0
17	31	22	25	49	21	27	51	20	27	54	20	27	94	61	84	17.6	0.0	223°	11.7
18	32	23	26	59	22	28	62	22	28	66	22	29	95	55	86	17.2	0.0	213°	37.3
19	31	23	27	39	22	29	40	22	29	41	22	29	94	66	84	16.9	0.0	259°	7.9
20	32	23	27	53	22	30	56	22	30	59	22	31	95	61	83	16.2	0.0	242°	0.3
21	33	23	27	56	22	30	59	22	30	62	22	30	95	54	83	14.7	0.0	214°	3.6
22	33	23	28	55	22	31	56	22	32	59	22	32	96	59	81	22.6	0.0	225°	0.0
23	33	24	29	55	22	33	58	22	34	61	22	35	96	58	79	23.0	0.0	245°	0.0
24	34	24	29	58	23	33	63	22	34	65	22	35	95	52	77	21.2	0.0	223°	0.0
25	33	25	29	56	23	34	58	23	34	61	23	35	95	54	74	22.3	0.0	251°	0.0
26	33	27	30	54	25	33	57	25	34	60	25	35	85	54	71	23.4	0.0	253°	0.0
27	33	25	29	52	23	33	54	23	33	57	23	34	92	53	73	23.4	0.0	247°	0.0
28	34	24	29	53	23	33	56	23	34	58	23	34	93	52	75	19.4	0.0	252°	0.0
29	34	25	29	54	23	31	56	23	32	59	23	32	94	58	78	20.1	0.0	215°	0.0
30	35	24	28	62	21	32	66	21	33	70	21	33	96	21	75	41.7	0.0	185°	1.5
Monthly Avg.	32	24	28	53	22	31	56	22	31	59	22	32	93	54	79	20.1	0.2	240°	
Monthly Total																			210.3
YTD <sup>†</sup> Avg.	30	19	24	52	17	27	53	17	28	53	17	27	93	50	75	20.7	0.5	220°	
YTD <sup>†</sup> Total																			650.5

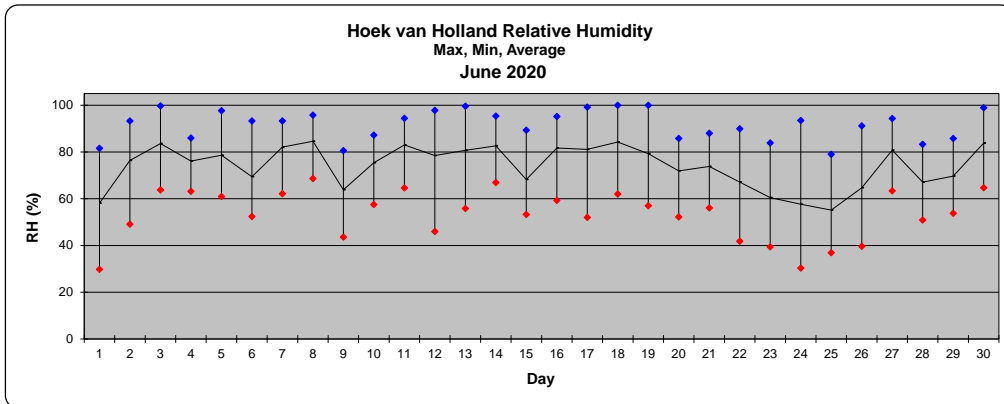
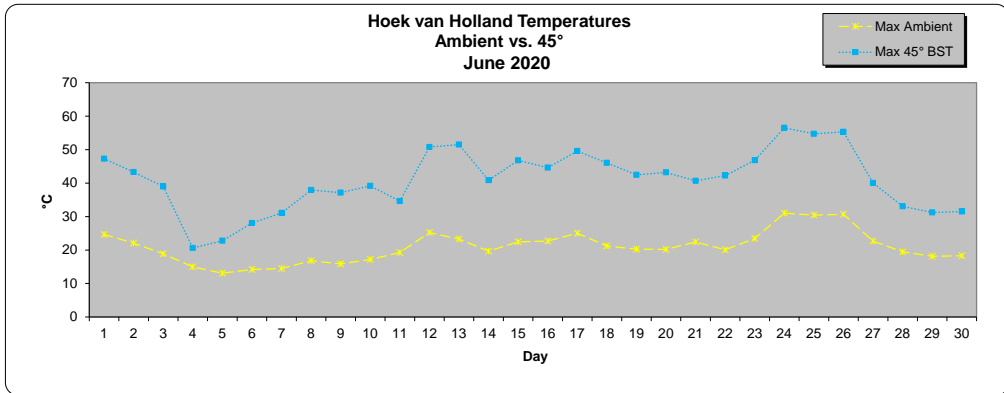
<sup>†</sup> Year To Date

Note:



Month	Temperature Summary						Climate Summary						
	Ambient Temperature			Black Metal Panel Temperature (ASTM G179) (°C)			Relative Humidity			Wind Speed		Wind Direction	Rainfall
June	°C			45 °			%			(m/s)		360°/0°= N	(mm)
Day	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Avg	Avg	Total
1	25	12	19	47	6	21	82	30	58	8.1	2.3	238°	0.0
2	22	13	17	43	5	21	93	49	76	6.7	2.4	159°	0.0
3	19	13	15	39	9	18	100	64	84	9.1	3.8	158°	0.0
4	15	11	13	21	7	12	86	63	76	11.8	5.4	171°	0.0
5	13	10	11	23	5	9	98	61	79	13.1	5.2	90°	15.2
6	14	11	12	28	7	12	93	52	69	15.0	7.0	67°	4.6
7	14	11	13	31	6	12	93	62	82	11.2	5.8	112°	2.5
8	17	12	13	38	8	15	96	69	85	9.4	4.2	182°	0.8
9	16	9	13	37	2	15	81	44	64	7.8	3.3	210°	0.0
10	17	8	14	39	1	15	87	58	75	5.7	2.2	206°	0.0
11	19	13	16	35	8	15	94	65	83	8.5	2.3	250°	0.0
12	25	14	19	51	8	21	98	46	79	13.3	1.8	292°	12.7
13	23	15	19	52	11	23	100	56	81	7.8	2.2	260°	0.8
14	20	15	18	41	10	19	95	67	83	6.8	2.5	130°	0.0
15	22	15	19	47	10	23	89	53	68	5.6	2.3	128°	0.0
16	23	15	18	45	10	19	95	59	82	7.2	1.7	240°	6.1
17	25	15	19	50	10	22	99	52	81	8.5	2.7	240°	12.2
18	21	14	17	46	8	20	100	62	84	9.0	2.6	99°	2.5
19	20	13	17	42	7	19	100	57	79	9.5	2.8	66°	0.0
20	20	14	17	43	8	21	86	52	72	7.9	2.7	105°	0.0
21	22	14	18	41	8	18	88	56	74	11.0	3.6	38°	0.0
22	20	13	18	42	6	22	90	42	67	6.6	2.8	128°	0.0
23	23	13	19	47	6	24	84	39	60	5.4	2.2	186°	0.0
24	31	15	24	57	9	29	94	30	58	7.5	1.5	270°	0.0
25	30	16	24	55	10	29	79	37	55	6.5	1.3	290°	0.0
26	31	20	24	55	14	29	91	40	65	6.9	1.8	335°	0.0
27	23	17	20	40	14	20	94	63	81	14.2	4.6	45°	1.8
28	19	16	18	33	12	19	83	51	67	13.4	7.0	56°	0.0
29	18	15	16	31	11	16	86	54	70	16.3	7.2	59°	0.0
30	18	15	17	32	10	15	99	65	84	12.3	5.6	75°	11.4
Monthly Avg.	21	14	17	41	8	19	92	53	74	9.4	3.4	163°	
Monthly Total													70.6
YTD <sup>1</sup> Avg.	14	7	11	28	2	11	91	57	75	10.9	4.5	187°	
YTD <sup>1</sup> Total													307.1

<sup>1</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

June 2020

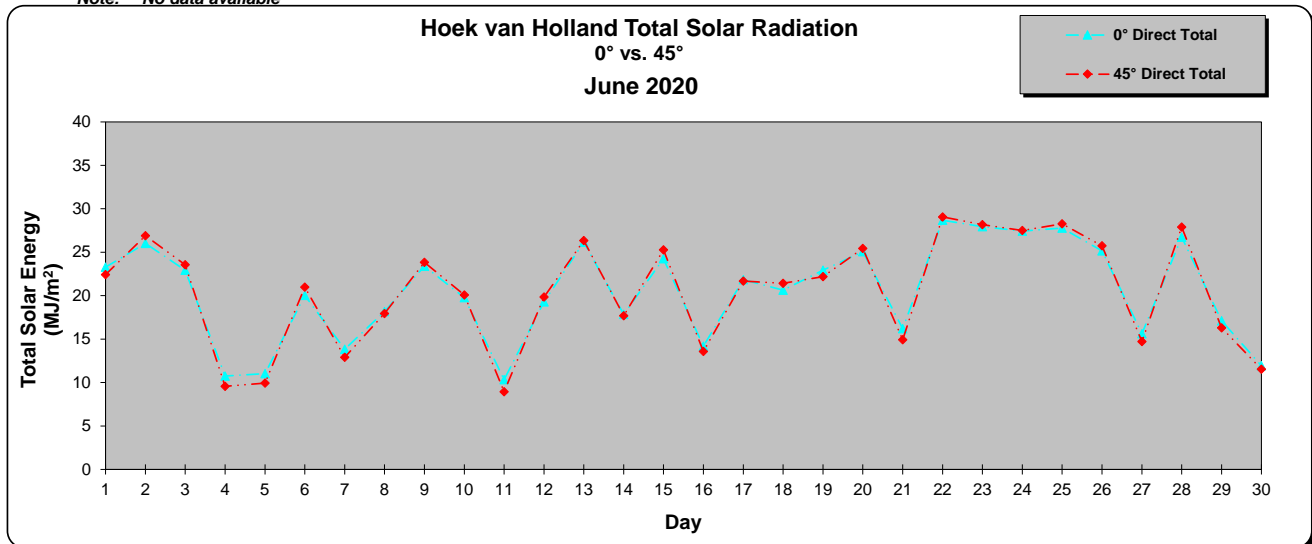
Hoek van Holland, The Netherlands

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

AWSG		Solar Radiation Summary	
Month	Total Solar Radiation (MJ/m <sup>2</sup> )		
June	Direct		
Day	0°	45°	
1	23.3	22.4	
2	26.0	26.9	
3	22.9	23.6	
4	10.7	9.6	
5	11.0	9.9	
6	20.0	21.0	
7	13.8	12.9	
8	18.2	18.0	
9	23.4	23.8	
10	19.8	20.1	
11	10.3	9.0	
12	19.3	19.9	
13	26.2	26.3	
14	17.9	17.7	
15	24.3	25.3	
16	14.2	13.6	
17	21.8	21.7	
18	20.6	21.4	
19	22.9	22.2	
20	25.1	25.4	
21	16.2	14.9	
22	28.7	29.1	
23	28.0	28.2	
24	27.4	27.5	
25	27.8	28.3	
26	25.2	25.7	
27	15.6	14.7	
28	26.7	27.9	
29	17.1	16.3	
30	11.9	11.5	
<b>Monthly Total</b>	616.4	614.6	
<b>YTD<sup>†</sup> Total</b>	2403.7	2902.3	

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

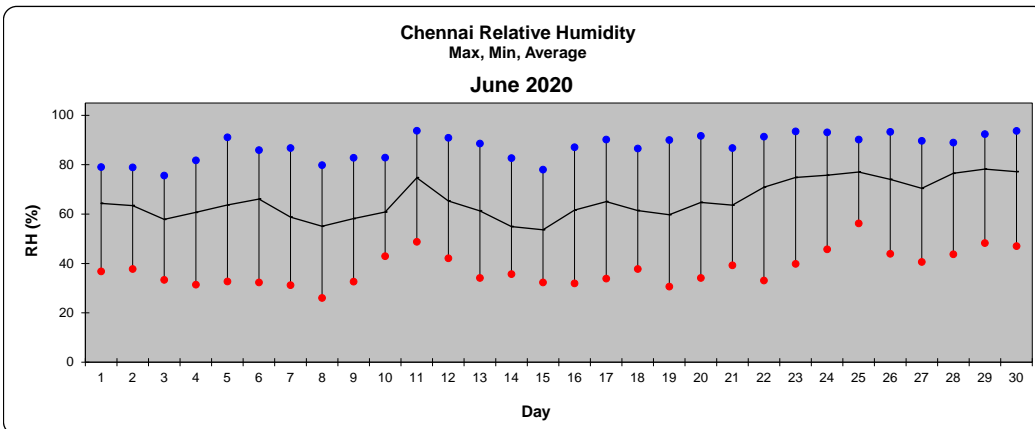
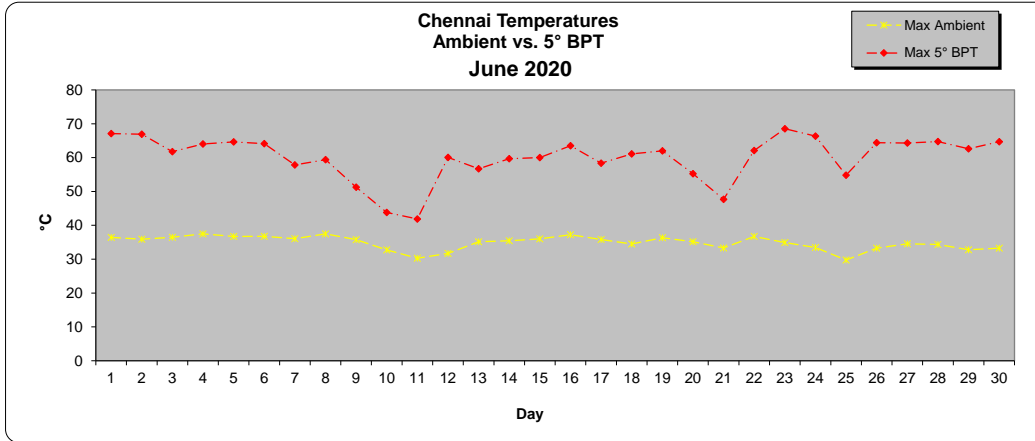
Note: \* No data available



AWSG		Temperature Summary						Climate Summary					
Month	Ambient Temperature			Black Metal Panel Temperature (ASTM G179) (°C)			Relative Humidity			Wind Speed		Wind Direction	Rainfall
#REF!	° C			5 °			%			(m/s)		360°/°= N	(mm)
Day	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Avg	Avg	Total
1	36	25	29	67	27	37	79	37	64	4.6	1.0	142°	0.0
2	36	25	29	67	27	36	79	38	63	5.1	1.0	156°	0.0
3	37	24	29	62	24	37	76	33	58	6.1	1.2	189°	0.0
4	37	25	30	64	25	37	82	31	61	5.2	1.2	185°	0.0
5	37	24	29	65	25	36	91	33	64	7.2	1.2	215°	9.7
6	37	24	28	64	25	36	86	32	66	6.0	1.1	222°	0.3
7	36	24	29	58	25	36	87	31	59	6.9	1.2	244°	0.0
8	37	24	30	59	26	37	80	26	55	5.8	1.5	258°	0.0
9	36	25	30	51	26	35	83	33	58	6.7	1.3	276°	0.0
10	33	24	28	44	26	33	83	43	61	5.9	1.2	255°	0.0
11	30	20	25	42	22	29	94	49	75	6.1	1.3	240°	27.7
12	32	21	27	60	23	32	91	42	65	8.0	1.5	237°	0.3
13	35	22	28	57	23	35	89	34	61	6.7	1.3	222°	0.0
14	35	23	30	60	24	36	83	36	55	6.3	1.6	235°	0.0
15	36	24	30	60	25	37	78	32	54	5.7	1.6	228°	0.0
16	37	24	29	63	25	37	87	32	62	5.6	1.1	214°	1.3
17	36	24	29	58	25	36	90	34	65	6.7	1.2	224°	1.3
18	34	23	29	61	25	35	87	38	61	5.8	1.0	222°	0.0
19	36	23	29	62	24	36	90	31	60	5.9	1.1	250°	12.2
20	35	24	29	55	25	35	92	34	65	5.2	1.0	285°	0.0
21	33	24	28	48	25	33	87	39	64	4.6	1.0	262°	0.0
22	37	22	27	62	23	34	91	33	71	9.1	1.1	275°	16.5
23	35	21	26	69	23	35	94	40	75	5.1	1.0	214°	5.3
24	33	21	26	66	23	33	93	46	76	6.4	1.0	255°	1.8
25	30	22	26	55	24	32	90	56	77	4.6	0.9	96°	0.0
26	33	22	27	64	23	36	93	44	74	3.7	0.8	144°	0.0
27	35	23	28	64	25	36	90	41	70	3.7	0.8	104°	0.0
28	34	23	27	65	24	34	89	44	77	10.3	0.9	337°	4.6
29	33	22	26	63	24	33	92	48	78	5.4	0.6	130°	0.0
30	33	21	26	65	23	32	94	47	77	4.8	0.9	300°	26.2
Monthly Avg.	35	23	28	60	25	35	87	38	66	6.0	1.1	220°	
Monthly Total													106.9
YTD <sup>†</sup> Avg.	32	20	25	61	22	33	92	42	73	5.2	0.9	134°	
YTD <sup>†</sup> Total													157.5

<sup>†</sup> Year To Date

Note: \* Data Unavailable





# ATLAS

**AMETEK**  
MEASUREMENT, COMMUNICATIONS  
& TESTING

## WEATHERING SERVICES GROUP

### Solar Radiation Summary

June 2020

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> )	
		Direct	295-385 nm
June			
Day	5°	5°	
1	20.7	0.97	1.08
2	19.2	0.90	1.01
3	24.8	1.05	1.17
4	24.0	1.03	1.15
5	20.8	0.95	1.06
6	23.7	1.03	1.16
7	19.8	0.89	1.00
8	24.6	1.02	1.14
9	16.2	0.73	0.82
10	9.22	0.48	0.53
11	7.5	0.39	0.44
12	18.5	0.81	0.90
13	24.6	0.99	1.10
14	22.4	0.91	1.02
15	22.4	0.93	1.04
16	22.8	0.94	1.05
17	23.6	0.97	1.08
18	19.0	0.82	0.91
19	21.3	0.87	0.97
20	17.8	0.76	0.85
21	13.5	0.61	0.68
22	22.0	0.89	1.00
23	20.7	0.86	0.96
24	20.6	0.90	1.00
25	15.4	0.68	0.76
26	24.8	1.02	1.14
27	19.8	0.84	0.94
28	19.2	0.80	0.90
29	13.7	0.65	0.72
30	16.9	0.72	0.80
<b>Monthly Total</b>	<b>589.3</b>	<b>25.40</b>	<b>28.36</b>
<b>YTD<sup>†</sup> Total</b>	<b>3834.8</b>	<b>164.98</b>	<b>184.17</b>

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

Note:

