

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE		MD		7:00 AM		January 2023		EASTERN				REMARKS	AVERAGE WIND SPEED MPH	SOLAR RADIATION		
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP		WATER TEMP F					watts per sq ft	time occurrence	
	maximum	time occurrence	minimum	time occurrence	present				INCHES	reading after	maximum	time occurrence	minimum					time occurrence
1	58		45		46	0.22												
2	64		37		39	0.00												
3	68		39		52	0.00			3.86									
4	70		52		55	0.01			3.80									
5	66		53		53	0.01			3.77									
6	65		45		47	T			3.65									
7	51		39		42	0.00												
8	51		26		27	0.00												
9	45		26		36	0.00			3.48									
10	49		29		29	0.00			3.35									
11	49		24		26	0.00												
12	45		26		36	0.03			3.40									
13	57		36		47	0.34			3.77									
14	55		36		36	0.00												
15	36		30		32	0.00												
16	45		26		31	0.00												
17	54		31		41	0.01			3.43									
18	47		35		39	0.06			3.46									
19	58		39		41	0.02			3.40									
20	45		41		44	0.14			3.55									
21	50		37		41	0.00			3.82									
22	43		29		29	0.00												
23	42		29		39	0.38			3.82									
24	46		31		33	0.01			3.71									
25	51		31		37	0.00			3.66									
26	52		37		38	0.50			4.19									
27	49		28		28	0.00			4.12									
28	44		28		35	0.00												
29	58		35		44	0.00												
30	52		40		40	0.02			3.96									
31	61		40		47	0.00			3.88									
Average	52		44		39	Total	1.75	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	0.50	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM	February 2023		EASTERN				REMARKS	AVERAGE WIND SPEED MPH	SOLAR RADIATION		
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP		WATER TEMP F				watts per sq ft	time occurrence	
	maximum	time occurrence	minimum	time occurrence	present				INCHES	reading after	maximum	time occurrence					minimum
1	47		32		32	0.24	0.3	T	4.14								
2	46		26		29	0.00			4.08								
3	41		29		35	0.00			4.00								
4	36		15		20	0.00											
5	33		20		34	0.00											
6	59		35		37	0.00											
7	53		26		27	0.00			3.66								
8	51		27		42	0.00			3.62								
9	65		40		49	0.00			3.53								
10	68		49		59	0.00			3.43								
11	60		41		41	0.00											
12	50		37		37	0.00											
13	39		36		36	0.84			4.01								
14	57		30		31	0.00			3.86								
15	62		31		51	0.00			3.70								
16	70		46		47	T			3.59								
17	64		47		60	0.58			4.17								
18	64		27		27	0.27											
19	45		27		41	0.00											
20	61		41		49	0.00											
21	61		43		43	0.00			4.01								
22	64		38		44	0.00			3.86								
23	54		43		45	0.02											
24	80		45		59	0.00			3.69								
25	59		30		30	0.00											
26	38		30		39	T	T	0									
27	54		32		32	0.00			3.41								
28	50		32		43	0.33			3.67								
Average	55		34		40	Total	2.28	0.3			#DIV/0!		#DIV/0!		#DIV/0!		
						Greatest	0.84	0.3									

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE				MD	7:00 AM	March 2023	EASTERN				REMARKS	AVERAGE WIND SPEED MPH	SOLAR RADIATION			
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP		WATER TEMP F				watts per sq ft	time occurrence		
	maximum	time occurrence	minimum	time occurrence	present				INCHES	reading after	maximum	time occurrence					minimum	time occurrence
1	62		33		33	0.00												
2	55		33		51	0.04			3.55									
3	65		42		44	0.00			3.47									
4	50		40		40	0.00												
5	57		30		35	0.27												
6	64		30		34	0.00			3.41									
7	61		34		43	0.00			3.32									
8	54		34		37	0.00			3.07									
9	53		35		40	0.00			2.93									
10	55		35		41	0.00			2.82									
11	45		39		39	0.20												
12	46		29		30	0.00												
13	45		30		39	0.07			2.95									
14	49		35		35	0.00			2.87									
15	43		32		32	0.00			2.72									
16	52		29		31	0.00			2.55									
17	65		31		51	0.00			2.34									
18	63		43		43	0.02												
19	53		30		30	0.00												
20	41		22		24	0.00			1.93									
21	53		24		28	0.00												
22	65		28		50	0.00												
23	67		50		53	0.00			1.47									
24	82		54		58	0.01			1.20									
25	59		45		46	0.67												
26	54		46		47	0.20												
27	69		41		44	0.00			1.84									
28	61		40		43	0.03			1.82									
29	57		36		37	0.00			1.67									
30	60		36		36	0.00			1.50									
31	55		35		43	0.00			1.35									
Average	57		36		40	Total	1.51	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	0.67	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO						PRINCE GEORGE MD			7:00 AM		EASTERN				REMARKS	AVERAGE WIND SPEED MPH	SOLAR RADIATION	
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP		WATER TEMP F						watts per sq ft	time occurrence
	maximum	time occurrence	minimum	time occurrence	present				INCHES	reading after	maximum	time occurrence	minimum	time occurrence				
1	67		41		67													
2	75		47		48	0.40									two day rain total			
3	57		32		41	0.00			1.28									
4	71		41		59	0.00			1.10									
5	81		57		57	0.00			0.92									
6	86		58		68	0.00												
7	86		55		55	0.02												
8	55		44		45	0.02												
9	54		32		33	0.00												
10	61		32		33	0.00			0.21	1.57								
11	66		33		43	0.00			1.39									
12	77		47		58	0.00			1.16									
13	85		51		56	0.00			0.86									
14	87		59		57	0.00			1.96									
15	82		57		67	0.06												
16	78		57		58	0.02												
17	82		57		57	0.00			1.50									
18	68		43		49	0.00			1.26									
19	74		36		47	0.00			1.00	2.28								
20	76		47		50	0.00			2.12									
21	83		50		57	0.00			1.86									
22	89		56		67	0.00												
23	77		49		52	0.75												
24	68		42		46	0.00			2.00									
25	60		38		41	0.00			1.77									
26	61		38		43	0.00			1.67									
27	67		43		53	0.04			1.60									
28	69		53		55	0.17			1.64									
29	57		55		57	1.19												
30	69		54		62	0.08												
Average	72		47		53	Total	2.75	0.0			#DIV/0!			#DIV/0!		#DIV/0!		
						Greatest	1.19	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE				MD	7:00 AM	May 2023	EASTERN				REMARKS	AVERAGE WIND SPEED MPH	SOLAR RADIATION			
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP		WATER TEMP F				watts per sq ft	time occurrence		
	maximum	time occurrence	minimum	time occurrence	present				INCHES	reading after	maximum	time occurrence					minimum	time occurrence
1	66		47		53	0.17			3.02									
2	61		49		51	T			2.80									
3	58		45		46	0.04			2.84									
4	55		44		50	0.00			2.67									
5	63		42		51	0.00			2.55									
6	68		44		44	0.00												
7	73		44		54	0.00												
8	76		54		64	0.02			2.13									
9	84		61		62	0.07			1.98									
10	66		45		48	0.03			1.90									
11	73		46		52	0.00			1.74									
12	81		52		60	0.00			1.50									
13	85		58		74	0.00												
14	77		53		56	0.18												
15	77		47		55	0.00			1.34									
16	74		55		60	0.00			0.92									
17	80		61		64	0.00			0.71	2.1								
18	72		45		51	0.00			1.79									
19	69		51		56	0.00			1.58									
20	74		53		59	0.00												
21	81		55		55	0.32												
22	77		52		58	0.00			1.20									
23	80		56		58	0.00			1.05									
24	74		49		52	0.00			0.86	1.87								
25	81		51		57	0.00			1.64									
26	72		46		50	0.00			1.39									
27	73		46		51	0.00												
28	76		51		58	0.00												
29	74		58		64	0.73												
30	75		58		59	0.74			2.24									
31	74		49		51	0.00			2.06									
Average	73		51		56	Total	2.30	0.0			#DIV/0!		#DIV/0!		#DIV/0!			
					Greatest		0.74	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM		June 2023		EASTERN				REMARKS	AVERAGE WIND SPEED MPH	SOLAR RADIATION		
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP		WATER TEMP F					watts per sq ft	time occurrence	
	maximum	time occurrence	minimum	time occurrence	present				INCHES	reading after	maximum	time occurrence	minimum					time occurrence
1	75		49		59	0.00			0.00									
2	82		57		63	0.00												
3	93		60		68	0.00												
4	82		60		61	0.00												
5	73		57		60	0.00			1.02									
6	78		53		55	0.00			0.80	1.11								
7	81		56		57	0.00			0.90									
8	79		55		57	0.00			0.75	1.2								
9	76		52		54	0.00			1.02									
10	76		52		55	0.00												
11	83		55		65	0.00												
12	89		65		74	0.00			0.19	1.09								
13	82		57		60	0.17			1.15									
14	80		57		63	0.00			0.93	1.96								
15	81		54		62	0.01			1.79									
16	83		60		65	0.00			1.55									
17	80		60		66	0.00												
18	80		55		60	0.00												
19	85		57		57	0.00												
20	87		55		72	0.00			0.71	0.95								
21	80		65		65	0.03			0.84									
22	65		60		63	0.45			1.34									
23	68		63		68	0.18			1.52									
24	80		68		71	0.82												
25	86		66		70	0.00												
26	89		70		77	0.00			1.86									
27	88		68		70	0.02			1.67									
28	85		68		68	0.63			2.15									
29	81		61		67	0.00			1.95									
30	86		65		68	0.00			1.75									
Average	81		59		64	Total	2.31	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	0.82	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE				MD	7:00 AM		July 2023		EASTERN				REMARKS	AVERAGE WIND SPEED MPH	SOLAR RADIATION	
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP		WATER TEMP F						watts per sq ft	time occurrence
	maximum	time occurrence	minimum	time occurrence	present				INCHES	reading after	maximum	time occurrence	minimum	time occurrence				
1	84		67		72	1.33			2.90									
2	84		72		74	0.08												
3	89		74		77	0.00			2.52									
4	91		71		74	0.31												
5	89		72		73	0.00			2.59									
6	91		73		76	0.02			2.43									
7	88		72		74	0.00			2.28									
8	89		73		82	0.39												
9	90-		72		81	0.05			2.45									
10	84		68		68	0.06			2.39									
11	87		66		69	0.00			2.24									
12	90		67		68	0.00			2.03									
13	90		68		71	0.00			1.78									
14	93		73		75	0.00			1.52									
15	90		70		76	0.10												
16	87		75		79	0.16			1.41									
17	83		70		72	0.07			1.41									
18	89		72		73	0.00			1.23									
19	89		72		73	0.50			1.11									
20	86		71		73	0.10			1.47									
21	88		69		69	0.35			1.64									
22	84		66		77	0.00												
23	82		64		73	0.00												
24	87		71		72	0.00			1.04									
25	86		71		72	0.00			0.87	2.31								
26	86		65		66	1.55			3.62									
27	88		66		77	0.00			3.37									
28	94		76		77	0.00			3.14									
29	95		74		75	0.20												
30	92		67		70	0.69												
31	82		67		69	1.25			4.43									
Average	88		70		73	Total	7.21	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
					Greatest		1.55	0.0										

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE				MD	7:00 AM		August 2023		EASTERN				REMARKS	AVERAGE WIND SPEED MPH	SOLAR RADIATION	
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP		WATER TEMP F						watts per sq ft	time occurrence
	maximum	time occurrence	minimum	time occurrence	present				INCHES	reading after	maximum	time occurrence	minimum	time occurrence				
1	84		61		62	0.00			4.23									
2	80		61		63	0.00			4.07									
3	82		62		65	0.00			3.90									
4	78		66		68	0.13			3.96									
5	82		66		71	T												
6	86		67		69	0.00												
7	87		69		75	0.28			3.70									
8	88		66		71	2.39			O.F.	3.32								
9	84		67		68	0.00			3.06									
10	86		68		72	0.00			2.91									
11	82		66		68	0.12			2.95									
12	87		68		70	0.00												
13	91		70		74	0.00												
14	91		69		71	0.00			2.35									
15	90		70		77	1.65			3.78	3.60								
16	90		69		72	0.41			3.87									
17	86		67		68	0.00			3.67									
18	88		68		73	0.00			3.48									
19	83		58		58	0.00												
20	81		58		61	0.00												
21	87		61		69	0.00			2.91									
22	91		69		73	0.00												
23	82		59		60	0.00			2.55									
24	83		60		69	0.00			2.40									
25	80		69		74	T			2.30									
26	94		73		77	0.03			2.17									
27	94		70		73	0.00												
28	88		70		72	0.00			1.85									
29	77		72		72	0.03			1.85									
30	83		73		74	0.00												
31	86		65		66	0.00			1.64									
Average	86		66		70	Total	5.04	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	2.39	0.0										



RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM	September 2023	EASTERN										
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP		WATER TEMP F				REMARKS	AVERAGE WIND SPEED MPH	SOLAR RADIATION	
	maximum	time occurrence	minimum	time occurrence	present				reading	after	maximum	time occurrence	minimum	time occurrence			watts per sq ft	time occurrence
1	80		54		54	0.00												
2	81		54		54	0.00												
3	84		55		62	0.00												
4	94		69		71	0.00												
5	97		70		72	0.00			0.78									
6	97		70		70	0.00												
7	97		71		74	0.00			0.43	1.38								
8	97		71		73	0.00			1.21									
9	95		69		69	0.04												
10	87		69		69	0.54												
11	81		70		71	0.12			1.63									
12	87		68		68	0.00			1.50									
13	87		68		70	0.01			1.36									
14	84		62		62	0.01			1.17									
15	80		52		55	0.00			0.96	1.77								
16	76		51		51	0.00												
17	82		51		53	0.00												
18	77		63		63	0.27			1.59									
19	78		57		58	0.01			1.47									
20	77		52		52	0.00			1.29									
21	81		52		54	0.00			1.23									
22	79		54		56	0.00			1.01									
23	72		58		58	0.85												
24	68		59		64	1.91												
25	71		63		62	0.08			3.41									
26	68		59		59	0.10			3.46									
27	62		57		57	0.03			3.48									
28	67		50		54	0.00			3.31									
29	68		54		62	T			3.29									
30	71		62		66	0.00												
Average	81		60		62	Total	3.97	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	1.91	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE				MD	7:00 AM		October 2023		EASTERN				REMARKS	AVERAGE WIND SPEED MPH	SOLAR RADIATION	
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP		WATER TEMP F						watts per sq ft	time occurrence
	maximum	time occurrence	minimum	time occurrence	present				INCHES	reading after	maximum	time occurrence	minimum	time occurrence				
1	74		59		59	0.00			3.11									
2	81		58		59	0.00			2.98									
3	83		59		59	0.00			2.82									
4	84		57		57	0.00			2.69									
5	83		54		57	0.00			2.56									
6	80		57		68	0.00			2.45									
7	79		62		65	0.00												
8	67		45		58	0.19												
9	64		42		42	0.00			2.27									
10	65		42		46	0.00			2.18									
11	71		46		48	0.00			2.07									
12	72		46		49	0.00			1.98									
13	71		48		49	0.00			1.86									
14	70		49		54	0.03												
15	62		49		56	0.59			2.28									
16	60		42		43	0.00			2.15									
17	62		43		49	0.00			2.12									
18	63		42		42	0.00			2.05									
19	64		42		42	0.00			1.99									
20	72		42		51	0.00			1.86									
21	71		51		53	0.27												
22	68		45		48	0.04												
23	63		43		42	0.00			1.97									
24	64		36		38	0.01			1.80									
25	70		36		42	0.00			1.68									
26	76		42		50	0.00												
27	79		49		61	0.00												
28	82		56		56	0.00												
29	85		56		64	0.00												
30	78		55		56	0.02			1.33									
31	82		48		48	0.09			1.13									
Average	72		48		52	Total	1.24	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	0.59	0.0										

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO						PRINCE GEORGE MD			7:00 AM		November 2023		EASTERN				REMARKS	AVERAGE WIND SPEED MPH	SOLAR RADIATION	
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP		WATER TEMP F				time occurrence	watts per sq ft			time occurrence	
	maximum	time occurrence	minimum	time occurrence	present				INCHES	reading after	maximum	time occurrence	minimum	time occurrence						
1	53		34		42	0.00			1.09											
2	49		30		30	0.00			0.99											
3	53		30		30	0.00			0.93											
4	60		30		31	0.00														
5	70		33		36	0.00														
6	72		38		40	0.00			0.69	1.14										
7	66		40		56	0.00			1.04											
8	76		41		42	0.00			0.96											
9	66		43		46	0.00			0.88	1.24										
10	76		48		49	0.03			1.17											
11	51		33		34	0.17														
12	61		36		41	0.00														
13	51		28		26	0.01			1.06											
14	57		28		41	0.00			0.98											
15	59		31		34	0.00														
16	60		33		34	0.00														
17	72		36		41	0.00														
18	72		43		54	0.03														
19	58		32		30	0.00														
20	57		32		32	0.00			0.60	1.03										
21	50		33		43	0.00			0.99											
22	60		44		46	2.32														
23	59		43		42	0.00			3.20											
24	57		34		33	0.00														
25	56		30		29	0.00														
26	45		29		31	0.00														
27	47		33		38	0.26			3.05											
28	50		30		35	0.00			2.96											
29	41		24		24	0.00			Frozen											
30	41		24		27	0.00			Frozen											
Average	58		34		37	Total	2.82	0.0			#DIV/0!					#DIV/0!	#DIV/0!			
						Greatest	2.32	0.0												

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE		MD		7:00 AM		December 2023		EASTERN				REMARKS	AVERAGE WIND SPEED MPH	SOLAR RADIATION		
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP		WATER TEMP F					watts per sq ft	time occurane	
	maximum	time occurrence	minimum	time occurrence	present				INCHES	reading after	maximum	time occurrence	minimum					time occurrence
1	58		27		35	0.00												
2	54		35		47	0.16			2.82									
3	56		47		53	0.66												
4	56		42		42	0.03			3.63									
5	56		33		34	0.00			3.56									
6	51		34		40	0.00			3.53									
7	44		28		32	0.00			3.48									
8	45		31		31	0.00			3.47									
9	59		30		30	0.00												
10	59		30		60	0.00												
11	64		35		36	2.08	0.6	1	O.F.	2.73								
12	47		25		26	0.00		0	2.68					water frozen				
13	49		25		29	0.00			2.63					water frozen				
14	52		25		25	0.00			2.64					water frozen				
15	46		25		28	0.00			2.53					water frozen				
16	58		28		31	0.00												
17	60		31		49	0.00			2.82									
18	57		49		51	2.55			O.F.	2.96								
19	54		37		38	0.00			2.93									
20	43		22		24	0.00												
21	48		22		26	0.00			2.83					water frozen				
22	49		26		30	0.00			2.81									
23	49		31		34	0.00												
24	50		34		41	0.00												
25	53		36		36	0.00												
26	60		36		45	0.05												
27	50		45		47	0.20												
28	56		47		52	2.08			O.F.	2,46								
29	57		41		42	0.00												
30	55		35		37	0.00												
31	43		37		37	0.00												
Average	53		33		38	Total	7.81	0.6			#DIV/0!		#DIV/0!		#DIV/0!			
					Greatest		2.55	0.6										