

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE		MD		7:00 AM		January 2022		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	60		53		59	0.10												
2	66		59		60	0.66												
3	63		35		35	0.38	2.7	3										
4	33		12		12	0.88	7.5	9	Frozen									
5	37		21		34	0.00		7	Frozen									
6	42		32		32	0.00		5	Frozen									
7	44		29		31	0.19	2.6	8	Frozen									
8	32		19		19	0.00		6										
9	36		19		37	0.00		4										
10	47		33		33	0.62		1										
11	37		24		23	0.00		T	Frozen									
12	29		19		28	0.00		0	Frozen									
13	48		27		28	0.00			Frozen									
14	49		28		40	0.00			Frozen									
15	48		23		24	0.00												
16	27		14		17	0.00												
17	44		17		38	1.24	1.8	1	Frozen									
18	41		36		36	0.00		0	Frozen									
19	40		25		35	0.00			Frozen									
20	57		35		43	0.13												
21	41		19		20	0.11			Frozen									
22	26		16		18	0.00												
23	32		16		24	0.00												
24	41		24		31	0.00			Frozen									
25	42		31		33	0.00			Frozen									
26	50		21		21	0.00			Frozen									
27	35		13		14	0.00			Frozen									
28	38		14		30	0.00			Frozen									
29	40		23		23	0.00												
30	27		14		13	0.00												
31	34		14		22	0.12			Frozen									
Average	41		25		29	Total	4.43	14.6			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	1.24	7.5										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO					PRINCE GEORGE MD			7:00 AM	February 2022	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	37		19		19	0.00		1	Frozen									
2	43		19		23	0.00		T	Frozen									
3	50		23		43	0.08		0										
4	63		43		61	0.54			O.F.	1.61								
5	61		32		33	0.99												
6	33		19		20	0.00												
7	37		20		33	0.00			2.32									
8	44		30		30	0.08												
9	49		24		25	0.00			Frozen									
10	57		25		36	0.00			2.20									
11	61		28		30	0.00												
12	67		30		52	0.00												
13	62		37		37	0.00												
14	35		26		27	0.09	0.1	0	Frozen									
15	32		17		21	0.00			Frozen									
16	42		27		27	0.00			Frozen									
17	56		27		56	0.00												
18	70		56		58	0.08												
19	57		23		23	0.00												
20	51		17		17	0.00												
21	44		17		30	0.00			Frozen									
22	67		30		52	0.00			2.20									
23	68		52		62	0.04			2.21									
24	74		39		40	0.00												
25	39		33		34	0.54			2.59									
26	57		34		35	0.03												
27	42		31		35	0.00												
28	54		31		37	0.00			2.31									
Average	52		29		36	Total 2.47	0.1				#DIV/0!		#DIV/0!			#DIV/0!	#DIV/0!	
					Greatest	0.99	0.1											

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM	March 2022	EASTERN				REMARKS			AVERAGE	SOLAR RADIATION	
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP		WATER TEMP F				WIND SPEED MPH	watts per sq ft	time occurrence
	maximum	time occurrence	minimum	time occurrence	present				INCHES	reading after	maximum	time occurrence	minimum	time occurrence			
1	49		27		31	0.00			2.19								
2	56		31		36	0.00											
3	64		36		52	0.00			2.01								
4	55		26		28	0.00			Frozen								
5	46		28		33	0.00											
6	63		33		65	0.00											
7	77		65		66	0.03			1.55								
8	79		47		47	0.04											
9	53		41		41	0.50			1.73								
10	44		32		35	0.24			2.00								
11	52		32		34	0.00			1.93								
12	61		34		40	0.48											
13	38		23		25	0.16	0.4	T									
14	43		25		26	0.00		0	Frozen								
15	63		27		36	0.00			2.21								
16	71		36		40	0.00											
17	72		40		50	0.33			2.23								
18	59		44		44	0.87			3.11								
19	75		45		62	0.00											
20	77		53		53	0.00											
21	61		43		42	T			2.56								
22	69		41		41	0.00											
23	68		41		48	0.00			2.25								
24	64		49		58	0.54											
25	56		44		44	0.03			2.78								
26	62		46		51	0.00											
27	56		39		42	T			2.48								
28	44		29		31	0.00			Frozen								
29	43		25		26	0.00			Frozen								
30	46		26		32	T			2.14								
31	63		32		63	0.00			2.07								
Average	59		37		43	Total	3.22	0.4			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!	
						Greatest	0.87	0.4									

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM		April 2022		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	73		50		50	0.16			2.11									
2	69		38		40	0.00												
3	57		40		46	0.00												
4	63		30		36	0.00			1.59									
5	56		40		49	0.00			1.48									
6	56		49		53	1.98			3.45									
7	61		49		49	0.10			3.53									
8	53		42		42	0.33												
9	64		42		45	0.16												
10	57		40		44	0.00												
11	54		32		34	0.00			3.60									
12	65		34		52	T			3.42									
13	79		52		55	0.00			3.30									
14	85		55		71	0.00			2.95									
15	82		43		43	0.02			2.72									
16	70		43		61	0.00												
17	78		50		51	0.08												
18	56		39		43	0.00			1.97									
19	49		39		41	1.45			3.36									
20	53		40		44	0.00			3.19									
21	62		44		50	0.00			3.04									
22	68		47		47	0.01												
23	74		47		47	0.00												
24	73		47		53	0.00												
25	79		53		55	0.00			2.22									
26	71		55		59	0.00			2.10									
27	70		46		50	0.01			2.01									
28	71		37		39	0.00			1.75									
29	60		33		36	0.00			1.56									
30	66		34		38	0.00			1.31									
Average	66		43		47	Total Greatest	4.30 1.98	0.0 0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM		May 2022		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				INCHES	reading after	maximum	time occurrence	minimum	time occurrence			watts per sq ft	time occurrence	
1	70		37		48			0.00											
2	70		48		54			0.17		1.25									
3	81		56		57			0.00		1.05	2.32								
4	73		55		57			0.57		2.72									
5	76		57		59			0.00		2.58									
6	67		56		58			0.01		2.48									
7	61		51		53			1.52		4.03									
8	54		44		41			0.32											
9	56		40		51			0.00		4.24									
10	68		44		55			0.00		4.03									
11	72		46		57			0.00		3.76									
12	72		54		59			0.00		3.56									
13	73		59		64			0.24		3.70	2.73								
14	75		64		67			0.05											
15	71		65		66			0.06											
16	83		64		66			0.13		2.81									
17	78		57		57			0.42		3.11									
18	82		52		58			0.00		2.78									
19	76		58		62			0.07		2.66									
20	84		60		67			0.00		2.45									
21	90		64		76			0.00											
22	93		74		75			0.00											
23	89		63		63			0.99		2.51									
24	74		59		60			0.33		2.65									
25	64		52		59			0.03											
26	72		59		61			0.00		2.46									
27	73		61		68			0.01		2.37									
28	80		64		66			0.42											
29	79		59		64			0.00											
30	83		62		66			0.00											
31	90		66		74			0.00		1.96									
Average	75		56		61	Total	5.34	0.0				#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	1.52	0.0											

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM	June 2022	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				INCHES	reading after	maximum	time occurrence	minimum	time occurrence			watts per sq ft	time occurrence
1	93		71		75	0.00			1.73									
2	93		71		71	0.00			1.44									
3	89		66		70	0.75			2.00									
4	78		58		69	0.00												
5	65		57		68	0.00												
6	78		53		62	0.00			1.32									
7	81		59		62	0.00			1.01									
8	80		61		70	0.20			1.13	1.99								
9	87		70		73	0.16			1.86									
10	82		56		61	0.00			1.57									
11	82		61		66	0.07												
12	76		66		66	0.19												
13	80		66		72	0.00			1.45									
14	91		72		76	0.10			1.37									
15	83		65		69	0.01			1.16									
16	88		69		71	0.01			0.92									
17	84		69		69	0.03			0.71	1.83								
18	96		67		72	0.00												
19	74		57		62	0.00												
20	76		50		56	0.00												
21	81		56		65	0.00			0.40	1.93								
22	83		64		67	0.00			1.79									
23	86		66		66	0.75			2.39									
24	73		60		62	0.12			2.46									
25	82		61		65	0.00												
26	88		65		74	0.00												
27	88		74		76	0.00												
28	80		57		60	0.47			1.99									
29	82		59		62	0.00			1.73									
30	85		62		69	0.00			1.42									
Average	83		63		68	Total	2.86	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	0.75	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE				MD	7:00 AM		July 2022		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	89		69		72	0.00												
2	91		72		77	0.00			1.80									
3	90		72		74	1.31												
4	83		63		66	0.00												
5	86		65		63	0.00			1.33									
6	84		69		73	0.19			1.38									
7	92		73		73	0.04			1.19									
8	81		68		68	0.00			1.09									
9	86		68		72	1.02												
10	71		70		70	0.40			2.23									
11	81		60		62	0.00			2.02									
12	82		63		72	0.00			1.74									
13	90		69		72	0.25			1.70									
14	89		68		68	0.00			1.46									
15	88		68		71	0.00			1.24									
16	88		68		70	0.00												
17	87		70		73	0.46												
18	85		73		75	0.00			1.15									
19	91		74		74	0.00			0.90	2.32								
20	91		71		72	0.00			2.04									
21	92		72		80	0.00			1.80									
22	92		73		76	0.01			1.64									
23	93		73		74	0.00												
24	95		69		72	0.00			1.24									
25	93		72		79	0.00			0.91	2.28								
26	90		74		74	0.33			2.46									
27	78		72		73	0.01			2.41									
28	87		74		74	0.00			2.25									
29	90		70		71	0.23			2.31									
30	87		72		74	0.00												
31	86		66		72	0.00												
Average	87		70		72	Total	4.25	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
					Greatest		1.31	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM	August 2022		EASTERN				REMARKS			AVERAGE	SOLAR RADIATION	
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP		WATER TEMP F				WIND SPEED MPH	watts per sq ft	time occurrence	
	maximum	time occurrence	minimum	time occurrence	present				INCHES	reading after	maximum	time occurrence	minimum	time occurrence				
1	88		71		73	0.26			2.14									
2	87		71		73	0.16			2.11									
3	91		69		71	0.00			1.89									
4	92		71		75	0.00			1.64									
5	95		72		73	1.18			2.53									
6	89		71		73	0.09												
7	88		73		75	0.00			2.25									
8	89		75		76	0.00			2.03									
9	91		75		77	0.00			1.84									
10	94		75		76	0.00			1.60									
11	91		71		73	2.35			3.66									
12	86		70		70	T			3.45									
13	83		57		59	0.00												
14	81		59		66	0.00												
15	83		66		67	0.11			2.96									
16	86		65		66	0.00			2.87									
17	81		62		62	0.00												
18	83		60		63	0.03			2.99									
19	85		63		66	0.00			2.32									
20	87		66		68	0.00												
21	87		67		68	0.00			1.88									
22	87		68		73	0.05			1.82									
23	88		68		69	0.00			1.67									
24	87		64		66	0.00			1.47									
25	89		65		67	0.00			1.24	2.36								
26	88		67		73	0.00			2.23									
27	90		68		70	0.00												
28	88		68		69	0.00												
29	89		68		72	0.00			1.66									
30	89		72		73	0.00			1.44									
31	92		67		67	0.12			1.31									
Average	88		68		70	Total	4.35	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	2.35	0.0										

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO						PRINCE GEORGE MD			7:00 AM		September 2022		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	84		60		61	0.00			1.12											
2	88		61		62	0.00			0.89	2.88										
3	85		62		69	0.00														
4	86		66		67	0.00														
5	89		67		70	0.00														
6	88		70		74	0.35			2.37											
7	83		71		72	0.23														
8	78		68		68	0.05			2.46											
9	80		60		60	0.00			2.30											
10	82		59		62	0.00														
11	82		62		72	0.37														
12	82		71		73	0.17			2.46											
13	84		68		69	0.12			2.43											
14	81		58		58	0.00			2.23											
15	79		58		62	0.00														
16	80		53		54	0.00			1.90											
17	80		53		58	0.00														
18	82		58		60	0.00														
19	84		60		63	0.00														
20	87		63		66	0.00														
21	84		59		60	0.00														
22	86		60		73	0.00			1.00											
23	81		54		54	0.04														
24	69		46		46	0.00														
25	71		46		55	0.00														
26	81		55		57	0.35			0.42	2.62										
27	78		54		54	0.00														
28	72		48		48	0.00														
29	70		48		53	0.00			2.16											
30	68		53		55	0.00			2.02											
Average	81		59		62	Total	1.68	0.0			#DIV/0!		#DIV/0!			#DIV/0!	#DIV/0!			
						Greatest	0.37	0.0												

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE				MD	7:00 AM		October 2022		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	63		55		59	1.08												
2	64		59		60	0.27												
3	61		47		47	0.84			4.27									
4	54		47		48	0.51			4.78	2.99								
5	53		48		53	0.97			3.91									
6	63		51		51	0.03			3.90									
7	77		50		50	0.00			3.77									
8	80		49		49	0.00			3.17									
9	63		38		38	0.00												
10	64		37		39	0.00												
11	70		39		42	0.00			2.97									
12	75		42		44	0.00			2.86									
13	72		44		63	0.02			2.73									
14	72		54		54	0.44			3.13									
15	68		43		43	0.00												
16	77		43		50	0.00												
17	71		50		58	0.08			2.74									
18	71		41		42	0.31			2.80									
19	56		34		34	0.00			2.77									
20	56		34		39	0.00			2.66									
21	62		35		36	0.00			2.51									
22	66		37		39	0.00												
23	71		39		47	0.00												
24	67		47		57	0.20			2.41									
25	62		57		59	0.02			2.42									
26	63		59		60	0.11			2.50									
27	68		50		50	0.00			2.43									
28	68		41		41	0.00			2.26									
29	61		40		47	0.00												
30	62		36		40	0.00												
31	65		40		55	0.00			1.80									
Average	66		43		48	Total 4.88	0.0				#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest 1.08	0.0											

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO					PRINCE GEORGE MD				7:00 AM	November 2022	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				INCHES	reading after	maximum	time occurrence	minimum	time occurrence			watts per sq ft	time occurrence
1	68		55		58	0.29			2.06	2.56								
2	74		52		52	0.00			2.45									
3	68		47		50	0.00			2.38									
4	71		47		47	0.00			2.29									
5	73		47		57	0.00												
6	80		57		70	0.00												
7	79		66		67	T			2.02									
8	79		49		50	0.00			1.81									
9	61		38		36	0.00			1.67									
10	60		36		42	0.00			1.55									
11	71		43		63	0.00			1.48									
12	74		51		65	0.56												
13	74		45		48	0.15			1.97									
14	51		33		34	0.00			1.86									
15	51		31		33	0.00			1.80									
16	45		32		40	1.27			3.04									
17	51		33		40	0.00			2.87									
18	44		29		32	0.00			2.84									
19	48		29		30	0.00												
20	48		30		35	0.00												
21	38		20		24	0.00			Frozen									
22	50		24		29	0.00			2.54									
23	59		26		27	0.00												
24	61		27		30	0.00												
25	61		30		49	0.00												
26	61		34		34	0.12												
27	59		34		51	0.00												
28	63		49		54	0.32			2.63									
29	55		32		34	0.00			2.54									
30	52		35		49	0.16			2.67									
Average	61		39		44	Total	2.87	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	1.27	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE		MD		7:00 AM		December 2022		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		35		36	0.13			2.76									
2	45		23		23	0.00			2.70									
3	52		25		53	0.12												
4	63		36		38	0.27			2.98									
5	47		23		24	0.00			2.92									
6	51		24		41	0.03			2.93									
7	54		41		54	0.18			3.12									
8	57		47		47	0.05			3.17									
9	56		36		37	T			3.10									
10	49		27		28	0.00												
11	45		27		41	0.00												
12	47		32		42	0.00			3.03									
13	44		31		32	0.00			2.98									
14	43		21		24	0.00												
15	41		24		35	0.49			3.39									
16	49		35		42	1.82			5.20	2.98								
17	52		32		32	0.00												
18	48		32		39	0.00												
19	43		29		27	0.00			2.79									
20	42		23		32	0.00												
21	40		21		22	0.00			Frozen									
22	46		23		37	0.01			2.72									
23	56		37		46	1.18												
24	45		8		9	0.15												
25	20		8		9	0.00												
26	31		8		13	0.00												
27	34		13		24	0.00												
28	43		21		22	0.00												
29	53		22		24	0.00												
30	57		24		28	0.00			3.72									
31	66		28		49	0.00												
Average	48		26		33	Total	4.43	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
					Greatest	1.82	0.0											