

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM	January 2021	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	57		38		39	0.00												
2	42		39		43	0.94												
3	57		40		40	0.23												
4	42		33		33	0.06			3.59									
5	48		33		41	0.00												
6	45		41		41	0.06												
7	45		33		32	0.00			3.41									
8	47		30		32	0.00			3.35									
9	39		31		33	0.00												
10	47		29		20	0.00												
11	50		24		27	0.00			3.18					Ice on pan				
12	47		26		26	0.00												
13	49		24		28	0.00			3.16					Ice on pan				
14	53		26		28	0.00												
15	57		28		29	0.00			3.06									
16	52		29		36	0.21												
17	49		33		36	0.00												
18	50		30		34	0.00												
19	48		31		32	0.00												
20	52		31		41	0.00			2.95									
21	47		22		29	0.00												
22	54		29		31	0.00			2.87									
23	50		31		34	0.00												
24	36		25		25	0.00												
25	38		25		35	0.00			Frozen									
26	39		32		34	0.24	0.5	1	Frozen									
27	38		34		38	0.01		0										
28	43		33		33	0.00												
29	37		24		26	0.00			Frozen									
30	33		24		26	0.00												
31	40		26		32	0.00												
Average	46		30		33	Total 1.75	0.5				#DIV/0!		#DIV/0!			#DIV/0!	#DIV/0!	
						Greatest 0.94	0.5											

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM	February 2021	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	34		31		33	0.47	1.7	2	Frozen									
2	33		31		33	0.14	2	3	Frozen									
3	38		32		36	T	T	2										
4	41		30		31	0.00		2	Frozen									
5	48		31		40	0.06		0	3.34					Lots of ice on pan				
6	56		29		36	0.00												
7	53		35		35	0.22												
8	42		25		25	0.31	0.7	1	Frozen									
9	39		25		31	0.00		T	Frozen									
10	52		29		30	0.28		0										
11	46		30		34	0.12	0.3	T	4.03	2.77								
12	34		29		29	0.05	0.1	T	Frozen									
13	33		30		32	0.00		T										
14	32		28		31	0.41	0.1	T						Frozen rain				
15	36		31		35	0.00		0	3.22					Ice on pan				
16	39		35		37	0.84			4.08									
17	44		27		27	0.00												
18	38		26		29	0.10	0.4	T										
19	34		29		31	0.42	0.7	1	Frozen									
20	42		28		29	0.01	0.1	1										
21	35		23		30	0.00		T										
22	42		30		33	0.00		0										
23	41		30		32	0.48			Frozen									
24	58		30		30	0.00			Frozen									
25	64		30		45	0.00												
26	55		33		34	0.00			4.64	2.53								
27	51		34		39	0.30												
28	54		39		45	0.15												
Average	43		30		33	Total	4.36	6.1			#DIV/0!					#DIV/0!	#DIV/0!	
						Greatest	0.84	2.0										

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO						PRINCE GEORGE MD			7:00 AM		March 2021		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	47		45		45	0.97			3.75											
2	52		32		32	0.12			3.73											
3	45		27		27	0.00			3.63											
4	60		27		40	0.00			3.54											
5	54		28		29	0.00			Frozen											
6	42		28		34	0.00														
7	47		23		25	0.00														
8	46		22		24	0.00			3.04						Ice on pan					
9	55		24		44	0.00			2.93											
10	71		39		45	0.00			2.77											
11	79		45		52	0.00														
12	79		52		59	0.00			2.31											
13	70		48		49	0.00														
14	58		32		42	0.00														
15	64		32		35	0.00			1.68											
16	47		33		42	0.00														
17	46		42		43	T														
18	51		43		50	0.14														
19	54		43		43	0.30														
20	49		28		31	0.00			1.84											
21	56		28		29	0.00														
22	63		29		30	0.00			1.53											
23	64		30		39	0.00			1.41											
24	68		39		54	0.25			1.64											
25	59		54		58	1.00			2.42											
26	69		58		69	0.01														
27	83		44		49	0.00														
28	74		49		57	0.13														
29	73		44		45	0.34			2.23											
30	60		36		36	0.00			2.06											
31	68		36		62	0.00														
Average	60		37		43	Total 3.26	0.0				#DIV/0!		#DIV/0!			#DIV/0!	#DIV/0!			
						Greatest 1.00	0.0													

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RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM	April 2021	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	69		42		41	1.46			3.29									
2	48		31		36	0.02			3.17									
3	50		27		28	0.00												
4	56		28		44	0.00												
5	71		39		39	0.00												
6	72		39		54	0.00			2.52									
7	76		48		48	0.00			2.31									
8	81		48		52	0.00			2.14									
9	70		52		53	0.25			2.19									
10	62		53		56	0.00												
11	73		56		63	0.29												
12	80		55		54	0.26			2.39									
13	59		50		50	0.01			2.31									
14	66		46		46	0.00			2.20									
15	64		46		54	0.35			2.53									
16	66		42		46	0.00			2.32									
17	67		39		43	0.00												
18	62		41		45	0.00												
19	67		45		49	0.00			1.92									
20	62		46		50	0.06			1.93									
21	76		48		58	0.00												
22	71		32		37	0.07			1.52									
23	52		34		38	0.00			1.39									
24	64		37		43	0.00												
25	66		43		52	0.93												
26	66		44		47	0.00			1.91									
27	68		43		47	0.00			1.73									
28	85		47		65	0.00			1.46									
29	88		65		69	0.00			1.24									
30	85		62		62	0.03			1.03									
Average	68		44		49	Total 3.73 Greatest 1.46	0.0	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE		MD		7:00 AM		May 2021		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	71		47		50	0.00												
2	66		50		60	0.00												
3	85		60		67	0.03												
4	75		66		68	0.05												
5	85		62		63	0.68												
6	77		48		51	0.08												
7	66		43		44	0.00												
8	66		41		45	0.68												
9	60		43		49	0.03												
10	71		49		57	0.00			0.68	2.12								
11	67		47		55	0.00			1.97									
12	69		48		53	0.00			1.70									
13	67		43		46	0.00			1.55									
14	71		45		53	0.00			1.33									
15	73		44		46	0.00												
16	78		46		50	0.00												
17	76		50		55	0.00			0.80									
18	73		49		52	0.00												
19	80		52		58	0.00			0.35	1.78								
20	86		57		57	0.00			1.53									
21	87		51		51	0.00			1.26									
22	82		51		59	0.00			0.99	2.15								
23	90		59		71	0.00												
24	91		71		68	0.00			1.71									
25	68		57		59	0.15			1.80									
26	78		59		69	0.00			1.65									
27	91		68		69	0.39			1.85									
28	85		65		65	0.00			1.61									
29	75		54		54	0.76												
30	53		49		50	0.60			2.84									
31	54		47		56	0.03												
Average	75		52		56	Total	3.48	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	0.76	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE				MD	7:00 AM		June 2021		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	75		53		58		0.00			2.64									
2	78		56		62		0.00			2.44									
3	81		61		69		0.17			2.36									
4	83		67		71		0.15			2.36									
5	86		67		69		0.00												
6	91		66		69		0.00			1.96									
7	92		69		74		0.00			1.73									
8	92		73		77		0.00			1.43									
9	90		73		74		0.04			1.33									
10	87		72		72		0.00												
11	90		68		69		2.95			3.98									
12	69		66		66		0.64												
13	77		65		67		0.02			4.48									
14	82		66		67		T			4.25									
15	87		66		67		2.11			O.F.	3.27								
16	79		63		66		0.00			3.07									
17	80		57		62		0.00			2.78									
18	78		55		55		0.00												
19	84		55		75		0.00												
20	86		70		72		0.15			2.38									
21	91		72		76		0.00			2.13									
22	91		71		72		0.24			2.14									
23	72		53		53		0.47			2.53									
24	75		53		59		0.00			2.39									
25	78		56		58		0.00			2.10									
26	80		58		74		0.00												
27	86		72		79		0.02												
28	88		75		75		0.00			1.43									
29	93		74		74		0.00			1.12	1.53								
30	93		74		76		0.00			1.26	1.67								
Average	84		65		69	Total	6.96	0.0				#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	2.95	0.0											

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE				MD	7:00 AM		July 2021		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	95		73		77	0.04			1.42									
2	88		69		70	1.31			2.60									
3	79		62		67	0.24												
4	76		60		60	0.00			2.49									
5	84		65		66	0.00												
6	88		66		71	0.00			2.13									
7	92		71		75	0.00			1.84									
8	93		76		77	0.06			1.73									
9	85		70		72	0.15			1.74									
10						0.00												
11						0.22			1.48									
12	89		68		77	0.00			1.37					three day max min				
13	92		76		79	0.00			1.13	1.63								
14	92		75		75	0.00			1.38	1.76								
15	91		70		71	T			1.58	1.95								
16	92		71		75	0.00			1.75									
17	93		74		78	0.00												
18	94		72		75	0.12			1.41									
19	82		68		70	0.00			1.19	1.58								
20	89		68		69	0.00			1.45	1.82								
21	92		69		72	0.00			1.61	2.00								
22	89		66		66	0.00												
23	81		63		62	0.00			1.58	1.99								
24	83		60		63	0.00												
25	86		63		74	0.00												
26	90		74		74	0.00			1.43	1.7								
27	91		69		71	0.01			1.56	1.94								
28	95		70		71	0.00			1.74									
29	92		71		73	0.18			1.74									
30	87		72		73	0.83			2.25									
31	88		64		66	0.00												
Average	89		69		71	Total	3.16	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 2021		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	80		65		70	0.24			2.12									
2	78		62		62	0.24			2.15									
3	81		62		65	0.00			2.08									
4	79		64		64	0.00			1.95									
5	80		59		60	0.00												
6	88		60		67	0.00			1.56									
7	89		65		66	0.00												
8	77		65		65	0.38			1.67									
9	87		65		70	0.00			1.44									
10	86		71		72	3.28			4.25	2.60								
11	91		72		71	0.03			2.37									
12	93		71		72	0.54			2.64									
13	95		72		77	0.01			2.45									
14	95		72		73	0.19												
15	91		71		71	0.40			2.52									
16	82		73		73	0.00			2.44									
17	83		72		72	0.57			2.90									
18	86		73		77	T			2.80									
19	86		75		75	0.08			2.70									
20	91		73		74	0.29			2.81									
21	81		71		71	0.87												
22	86		71		72	0.00												
23	82		72		72	0.00			3.25									
24	92		72		73	0.03			3.06									
25	93		71		72	0.00			2.84									
26	93		72		76	0.01			2.64									
27	93		71		72	0.05			2.57									
28	92		71		73	0.00												
29	90		71		72	0.00												
30	84		71		72	0.00			0.14									
31	90		71		71	0.13			2.11									
Average	87		69		71	Total	7.34	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	3.28	0.0										

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE				MD	7:00 AM		September 2021		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	85		71		77	0.02			2.04									
2	84		62		62	0.94			2.93									
3	79		54		55	0.00			2.74									
4	78		55		59	0.00												
5	80		59		67	0.00			2.42									
6	82		67		69	0.02												
7	85		61		61	0.00			2.22									
8	86		61		67	0.00			2.02									
9	88		69		70	0.12			1.94									
10	77		63		63	0.06			1.91									
11	77		54		55	0.00												
12	80		55		60	0.00			1.58									
13	87		60		68	0.00			1.40									
14	89		68		68	0.00			1.25									
15	88		68		70	0.00			1.13									
16	90		70			0.00			0.92									
17	84		72		73	0.01			0.84	1.23								
18	81		67		68	0.03												
19	87		66		67	0.00												
20	81		57		57	0.00			0.93									
21	80		57		63	0.00			0.79									
22	83		62		72	0.00												
23	80		72		75	1.19			1.77									
24	75		51		51	0.02			1.68									
25	74		50		50	0.00												
26	77		50		55	0.00												
27	75		52		52	0.00			1.24									
28	81		52		60	0.00			1.18									
29	82		59		60	0.00			0.95									
30	72		50		50	0.00			0.82	1.58								
Average	82		60		63	Total	2.41	0.0			#DIV/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		October 2021		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		49	0.00			1.42									
2	74		49		49	0.00												
3	79		49		57	0.00												
4	86		57		69	0.00			.07									
5	86		65		65	0.00			0.96									
6	80		65		68	0.00			0.88	1.24								
7	72		63		65	0.03			1.23									
8	78		60		61	0.00			1.11									
9	78		61		63	0.00												
10	75		63		67	0.00												
11	72		63		67	0.07			0.93									
12	69		64		63	0.21												
13	72		64		65	0.00												
14	73		60		62	0.00												
15	79		59		61	0.00												
16	82		61		61	0.00												
17	83		49		49	0.22												
18	66		47		46	0.00			1.10	1.49								
19	68		41		41	0.00			1.36									
20	72		41		51	0.00												
21	77		41		47	0.00			1.13									
22	78		47		60	0.00												
23	71		49		53	0.00												
24	70		50		52	0.00												
25	70		52		63	0.00			1.73	1.49								
26	79		59		59	0.99			2.36									
27	66		52		53	0.01			2.20									
28	71		47		47	0.00			2.10									
29	67		47		58	0.20			2.24									
30	63		56		56	2.72												
31	63		50		52	0.06			4.79	2.39								
Average	74		54		57	Total	4.51	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	2.72	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO					PRINCE GEORGE MD			7:00 AM		November 2021		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	67		47		52	0.00			2.26											
2	63		42		47	0.00			2.15	2.48										
3	51		35		36	0.14														
4	53		35		35	0.00			2.44											
5	52		31		31	0.00			1.78											
6	55		30		31	0.00														
7	57		30		38	0.00														
8	57		36		38	0.00			1.34											
9	69		38		40	0.00														
10	75		40		57	0.00			1.19											
11	73		43		45	0.00														
12	70		45		61	0.55														
13	63		42		44	0.00														
14	55		32		35	0.00														
15	50		35		43	0.00			1.19											
16	52		33		39	0.00			1.13											
17	56		34		34	0.00			1.03											
18	67		34		56	0.00			0.92											
19	75		42		43	0.03			0.78	2.38										
20	48		27		29	0.00														
21	50		29		33	0.00														
22	55		33		47	0.05			2.21											
23	53		31		32	0.00			2.07											
24	45		26		26	0.00														
25	49		26		30	0.00														
26	62		30		48	0.16														
27	48		35		35	0.00														
28	44		33		34	0.00														
29	62		34		36	0.00			1.66											
30	47		28		35	0.00			1.62											
Average	57		35		40	Total	0.93	0.0			#DIV/0!			#DIV/0!		#DIV/0!	#DIV/0!			
						Greatest	0.55	0.0												

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE		MD		7:00 AM		December 2021		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	53		26		35	0.00			1.57									
2	58		35		48	0.01			1.53									
3	65		45		45	0.00			1.41									
4	53		40		40	0.00												
5	61		31		31	0.00												
6	52		31		48	0.00			1.19									
7	69		34		36	T			1.07									
8	44		29		35	T			1.01									
9	43		26		28	0.00												
10	43		28		41	0.00			0.81									
11	55		43		57	0.04												
12	70		41		41	0.16												
13	50		26		27	0.00												
14	55		27		29	0.00			0.77	1.84								
15	59		29		35	0.00			1.78									
16	60		35		47	0.00												
17	69		47		61	0.00			1.58									
18	64		52		52	T												
19	59		52		47	0.02												
20	45		23		23	0.00			Frozen									
21	42		23		27	0.00												
22	44		27		34	0.30			1.33									
23	49		24		24	0.00												
24	43		24		42	0.00												
25	58		39		57	0.01												
26	68		45		45	0.09												
27	61		35		40	0.00												
28	41		38		40	0.00												
29	58		40		50	0.01												
30	54		49		50	0.25												
31	55		50		53	0.01			1.24									
Average	55		35		41	Total	0.90	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
					Greatest		0.30	0.0										