

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM	January 2017		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		24		34	0.00												
2	56		32		35	0.17												
3	45		35		39	0.36			3.85									
4	47		39		42	0.65			4.45	2.93								
5	55		26		28	0.01			2.83					ice on water				
6	36		27		27	0.01	T	0	2.83					ice on water				
7	33		19		19	0.00		0										
8	25		10		15	0.04	1.4	1										
9	21		9		13	0.00		1	Frozen									
10	27		12		16	0.00		1	Frozen									
11	45		16		37	0.04		0	Frozen									
12	59		37		55	0.04			2.87									
13	73		53		53	T			2.72									
14	54		33		33	0.00												
15	36		29		30	0.31												
16	45		30		34	0.00												
17	47		34		37	0.08			2.94									
18	55		37		40	0.18			3.10									
19	58		36		39	T			3.01									
20	52		28		34	0.00			2.96									
21	48		35		41	0.05												
22	50		41		43	0.00												
23	49		42		42	0.19			3.27									
24	46		35		35	0.93			4.13									
25	47		35		37	0.01			4.10									
26	62		37		52	0.00			4.02									
27	60		36		36	T			3.88									
28	46		26		31	0.00												
29	46		25		32	0.00												
30	48		26		26	0.05	0.9	1	3.72									
31	38		21		30	T	T	0	Frozen									
Average	47		30		34	Total	3.12	2.3			#DIV/0!			#DIV/0!	#DIV/0!			
					Greatest	0.93	1.4											

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO						PRINCE GEORGE MD			7:00 AM	February 2017	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 INCHES	WATER TEMP F				watts per sq ft			time occurrence	
	maximum	time occurrence	minimum	time occurrence	present					maximum	time occurrence	minimum	time occurrence					reading after
1	54		25		28	0.00			3.58									
2	48		27		34	0.00			3.52									
3	50		28		29	0.00			3.54									
4	41		20		22	0.00												
5	38		22		30	0.00												
6	53		25		25	0.00			3.34									
7	63		25		50	T			3.24									
8	73		50		58	T			3.02									
9	71		31		31	0.22			3.18									
10	37		19		20	0.01	T	0	Frozen									
11	41		20		38	0.00												
12	54		39		43	0.00												
13	52		33		34	0.05			2.95									
14	45		21		26	0.00			2.79					Ice on water				
15	48		26		35	T			2.82									
16	54		29		30	0.00			2.54					Ice on water				
17	41		20		20	T	T		Frozen									
18	50		20		45	0.00												
19	73		45		54	0.00												
20	69		37		37	0.00			2.35									
21	65		33		33	0.00			2.29									
22	65		33		42	0.00			2.11									
23	65		42		46	T			2.05									
24	76		46		55	0.00			1.91									
25	77		51		60	0.00												
26	77		31		33	0.17												
27	47		23		25	0.00			1.65									
28	55		25		40	0.00			1.59									
Average	57		30		37	Total	0.45	0.0			#DIV/0!		#DIV/0!			#DIV/0!	#DIV/0!	
						Greatest	0.22	0.0										

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE				MD	7:00 AM	March 2017	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		41		59	0.36			1.84									
2	79		43		43	0.09			1.67									
3	50		28		29	T			1.62									
4	44		17		25	0.00												
5	42		16		19	0.00												
6	39		19		29	0.00			1.36									
7	56		29		52	0.01			1.29									
8	71		46		47	0.09			1.24									
9	65		41		45	0.00			1.05									
10	72		43		43	0.00			0.80									
11	47		18		21	0.08	T	T										
12	38		18		19	0.00												
13	40		19		20	0.00			Frozen									
14	43		18			1.34	2.0	2	Frozen									
15	43		18		18	0.00		1	Frozen									
16	32		18		22	0.00		1	Frozen									
17	42		21		21	0.00		0	Frozen									
18	52		21		35	T												
19	60		31		32	0.72	0.7	0										
20	52		28		37	0.00			2.51									
21	57		36		42	0.00												
22	63		40		40	0.00												
23	48		21		25	0.00			Frozen									
24	50		25		32	0.00			2.00									
25	63		32		57	0.00												
26	80		44		43	0.00												
27	49		43		43	0.02			1.74									
28	77		43		57	0.00			1.65									
29	72		51		51	T			1.55									
30	65		40		42	0.00			1.35									
31	54		40		40	0.10			1.35									
Average	55		31		36	Total	2.81	2.7			#DIV/0!		#DIV/0!		#DIV/0!			
						Greatest	1.34	2.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO						PRINCE GEORGE MD			7:00 AM April 2017		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	54		40			1.09												
2	60		38		41	0.00												
3	65		41		44	0.00			2.15									
4	68		44		60	0.13			2.13									
5	81		49		49	0.00			1.96									
6	73		48		53	0.00			1.75									
7	63		40		40	1.31			2.92									
8	52		31		31	0.00												
9	62		31		39	0.00												
10	73		37		40	0.00			2.41									
11	82		40		58	0.00			2.13									
12	88		58		64	0.00			1.90									
13	77		43		43	0.00			1.72									
14	70		42		44	0.00			1.55									
15	70		46		54	0.00												
16	77		54		65	0.00												
17	88		60		63	0.00			1.01									
18	78		46		48	0.03			0.98									
19	71		44		48	0.00												
20	62		47		54	0.00			0.76	2.08								
21	81		54		59	0.19			2.05									
22	79		54		55	0.85												
23	59		42		48	0.30												
24	62		42		49	0.00			2.80									
25	67		49		52	0.19			2.96									
26	60		52		54	0.34			3.31									
27	69		51		55	0.00			3.25									
28	84		55		62	0.01			3.07									
29	86		59		71	T												
30	90		67		69	0.00												
Average	72		47		52	Total	4.44	0.0			#DIV/0!		#DIV/0!			#DIV/0!	#DIV/0!	
						Greatest	1.31	0.0										

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE				MD	7:00 AM	May 2017	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		57		67				0.00									
2	84		65		65				0.02									
3	83		50		57				0.00									
4	65		40		44				0.00									
5	67		44		58				0.78									
6	73		51		55				0.66									
7	58		42		50				0.09									
8	65		40		43				0.00									
9	63		34		43				0.00									
10	66		38		44				0.00									
11	75		44		54				0.00									
12	58		47		49				0.94									
13	61		44		46				0.95									
14	60		40		48				0.03									
15	80		45		52				0.00									
16	75		45		50				0.00									
17	82		50		59				0.00									
18	93		59		71				0.00									
19	91		64		72				0.00									
20									T									
21									0.00									
22	92		53		55				0.08									
23	70		55		56				0.27									
24	66		53		53				0.10									
25	66		54		55				0.46									
26	75		53		55				1.00									
27	75		55		68				0.00									
28	75		53		65				0.00									
29	77		59		61				0.45									
30	83		58		57				0.00									
31	68		57		61				0.04									
Average	73		50		56	Total	5.87	0.0				#DIV/0!		#DIV/0!				
						Greatest	1.00	0.0										

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE				MD	7:00 AM	June 2017	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	81		55		58	0.02			3.55									
2	83		52		56	0.00			3.28									
3	83		50		61	0.00												
4	83		53		65	0.00												
5	88		65		67	0.00			2.50									
6	77		60		64	0.12			2.57									
7	78		56		57	0.00			2.34									
8	66		45		50	0.00			2.24									
9	72		46		54	0.00												
10						0.00												
11						0.00												
12	94		47		67	0.00			1.32					three day max min				
13	95		66		83	0.00			1.03									
14	96		71		73	0.00			0.78									
15	88		61		70	0.00			T.L.	3.1								
16						0.00												
17	?		66		69	0.34								two day max min				
18	84		70		78	0.04												
19	90		74		75	0.00			2.63									
20	89		64		65	0.20			2.63									
21	87		63		67	0.00			2.34									
22	89		65		66	0.00			2.12									
23	90		66		68	0.06			2.03									
24	88		60		77	0.23												
25	85		55		64	0.00												
26	86		56		65	0.00			1.53									
27	85		56		59	0.00			1.26									
28	82		48		55	0.01			1.06	1.46								
29	83		55		57	0.00			1.18	1.59								
30	90		57		69	0.00			1.26	1.66								
Average	85		59		65	Total	1.06	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	0.38	0.0										

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE				MD	7:00 AM		July 2017		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	93		67		75	0.00												
2	91		66		74	0.38												
3	92		66		67	0.00			1.26	1.5								
4	92		66		68	0.00												
5	93		68		70	0.23			1.34	1.74								
6	85		69		70	0.50			2.12									
7	79		69		70	0.13			2.17									
8	88		63		71	0.00												
9	90		60		67	0.00												
10	90		60		65	0.00			1.38									
11	90		65		70	0.00			1.17									
12	91		69		71	0.00			0.99									
13	96		70		74	0.00			0.78	1.17								
14	98		71		74	0.00			0.90	1.69								
15	97		68		75	0.32												
16	?				?	0.00												
17	90		60		65	0.00			1.29						two day min			
18	91		65		68	0.00			1.04	1.42								
19	92		68		71	0.00												
20	97		66		70	0.00			1.00	1.4								
21	98		70		71	0.00			1.12	1.9								
22	95		73		77	0.00												
23	96		68		73	0.70												
24	89		69		70	1.10			3.11									
25	91		65		65	0.00			2.85									
26	82		58		59	0.00			2.63									
27	84		59		66	0.00			2.46									
28	85		67		68	0.00			2.34									
29	82		68		68	4.46												
30	73		51		60	0.12												
31	82		55		53	0.00			O.F.	2.53								
Average	90		65		69	Total	7.94	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	4.46	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM	August 2107	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	88		56		61	0.00			2.34									
2	91		61		64	0.00			2.13									
3	90		63		65	0.00			1.89									
4	90		65		65	0.02			1.72									
5	89		65		71	0.00												
6	77		56		63	0.00												
7	82		62		65	0.08			1.11									
8	72		57		64	1.46			2.49									
9	79		54		56	0.00			2.35									
10	84		55		60	0.00			2.15									
11	85		60		62	0.00			1.98									
12	83		62		68	0.41												
13	83		64		64	1.10												
14	85		59		60	0.00			3.01									
15	80		60		67	0.02			2.94									
16	83		65		67	0.13			3.03									
17	90		66		68	0.00			2.88									
18	89		68		72	0.06			2.76									
19	93		68		72	0.39												
20	89		60		62	0.00												
21	86		61		65	0.00			2.50									
22	92		61		71	0.00			2.34									
23	92		71		71	0.00			2.09									
24	84		59		61	0.00			1.97									
25	83		57		57	0.00			1.82									
26	81		54		55	0.00												
27	81		52		55	0.00												
28	81		51		52	0.00			1.33									
29	78		52		57	0.26			1.43									
30	67		53		54	0.78			2.19									
31	80		54		58	0.00			2.06									
Average	84		60		63	Total	4.71	0.0			#DIV/0!		#DIV/0!		#DIV/0!			
						Greatest	1.46	0.0										

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO						PRINCE GEORGE MD			7:00 AM	September 2017	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 INCHES	reading after	WATER TEMP F						watts per sq ft	time occurrence
	maximum	time occurrence	minimum	time occurrence	present						maximum	time occurrence	minimum	time occurrence				
1	85		57		57	0.00			1.89									
2	64		50		53	0.87												
3	65		50		59	0.21												
4	75		51		55	0.00												
5	82		51		63	0.00			2.59									
6	87		63		63	0.47			2.87									
7	69		50		53	0.47			3.29									
8	73		45		45	0.00			3.14									
9	76		45		46	0.00												
10	71		42		50	0.00												
11	71		44		45	0.00			2.75									
12	75		45		53	0.00			2.67									
13	76		53		62	0.02			2.57									
14	83		60		63	0.02			2.52									
15	83		59		59	0.00			2.41									
16	85		57		57	0.00												
17	85		57		62	0.00												
18	82		60		63	0.00			2.13									
19	76		60		63	0.01			2.08									
20	83		63		65	0.00			1.93									
21	87		57		57	0.00			1.79									
22	88		57		61	0.00			1.67									
23	82		54		55	0.00												
24	86		54		56	0.00												
25	90		56		59	0.00			1.31	1.69								
26	89		58		62	0.00			1.57									
27	82		62		66	0.00			1.48									
28	89		61		68	0.00			1.38	1.75								
29	80		44		47	0.00			1.53									
30	73		44		54	0.00												
Average	80		54		57	Total 2.07	0.0				#DIV/0!					#DIV/0!	#DIV/0!	
						Greatest 0.87	0.0											

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM	October 2017	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		40		40				0.00									
2	69		38		38				1.17	1.56								
3	76		38		41				1.44									
4	74		40		41				1.33									
5	79		41		50				1.21									
6	83		49		55				1.11	1.51								
7	83		54		56													
8	85		56		70				0.00									
9	80		68		68				0.12									
10	85		64		65				1.33									
11	87		65		65				1.75									
12	87		65		65				0.00									
13	73		59		59				0.21									
14	65		53		54				0.01									
15	65		55		58				0.08									
16	68		55		60				0.00									
17	76		56		56				0.20									
18	64		33		33				0.00									
19	62		33		33				1.99									
20	72		34		35				0.00									
21	74		35		42				0.00									
22	77		39		41				0.00									
23	78		41		41				0.00									
24	77		42		53				0.00									
25	76		43		54				1.36									
26	76		43		54				0.15									
27	76		43		44				0.00									
28	66		38		43				1.30									
29	61		29		29				0.00									
30	66		29		46				0.00									
31	72		41		56				0.37									
Average	66		43		40				1.17									
	59		34		34				0.00									
	73		45		48	Total	2.79	0.0			#DIV/0!		#DIV/0!		#DIV/0!			
						Greatest	1.17	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO						PRINCE GEORGE MD			7:00 AM		November 2017		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	62		33		40	0.00			2.20										
2	63		39		48	0.00			2.20										
3	78		46		51	0.00			2.10										
4	80		41		42	0.00													
5	57		41		50	0.70													
6	62		50		57	0.02			2.69										
7	72		38		40	0.01			2.58	2.53					evap pan cleaned				
8	48		35		35	1.24			3.70										
9	47		35		40	0.00			3.66										
10	59		36		38	0.05			3.69										
11	58		18		21	0.00													
12	58		18		28	0.00													
13	47		28		36	0.21													
14						0.00													
15						0.00													
16						0.00													
17						0.00													
18	59		25		31	0.00									5 day max & min				
19	64		32		45	0.11													
20	53		33		35	0.00			3.13										
21	53		28		31	0.00			3.02										
22	62		31		46	0.06			3.03										
23	62		20		25	0.00													
24	46		20		21	0.00													
25	56		21		41	0.00													
26	65		32		33	0.00													
27	57		27		30	0.00			2.69										
28	60		25		25	0.00			2.63										
29	66		25		49	0.00			2.53										
30	68		29		37	0.00													
Average	60		31		38	Total 2.40	0.0		2.42		#DIV/0!					#DIV/0!	#DIV/0!		
						Greatest 1.24	0.0												

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO						PRINCE GEORGE MD			7:00 AM		December 2017		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		35		39	T														
2	57		21		25	0.00														
3	57		22		35	0.03														
4	57		22		25	0.00			2.33											
5	57		26		46	0.00														
6	62		38		38	0.11														
7	47		32		32	0.00			2.30											
8	49		28		30	0.00														
9	44		30		32	0.00														
10	38		22		26	0.21	2.3	2												
11	40		25		26	0.00		1	2.43											
12	48		26		36	0.00		0												
13	49		16		19	0.00														
14	49		17		29	T	T	T	FROZEN											
15	44		15		27	0.00			FROZEN											
16	31		18		24	0.01	0.2	T	FROZEN											
17	47		22		26	0.00		0												
18	53		26		34	0.00			2.16											
19	57		28		32	0.00														
20	61		30		34	0.00														
21	52		19		22	0.00														
22	45		21		30	0.00			2.01											
23	58		30		48	0.00														
24	65		30		31	0.23														
25	46		30		30	0.01														
26	39		23		23	0.00														
27	37		20		25	0.00			FROZEN											
28	30		10		11	0.00			FROZEN											
29	28		7		12	0.00			FROZEN											
30	31		12		19	0.01	0.3	T	FROZEN											
31	32		11		13	0.00		0	FROZEN											
Average	47		23		28	Total	0.61	2.8			#DIV/0!		#DIV/0!			#DIV/0!	#DIV/0!			
						Greatest	0.23	2.3												