



RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION																																	
UPPER MARLBORO		PRINCE GEORGE MD					7:00 AM	February 2019		EASTERN						REMARKS			AVERAGE		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			REMARKS	WIND SPEED MPH	watts per sq ft	time occurrence																
	maximum	time occurrence	minimum	time occurrence	present						maximum	time occurrence	minimum					time occurrence															
1	24		8		18	0.01	0.1	T	Frozen																								
2	23		9		17	0.03	0.9	1	Frozen																								
3	29		18		26	0.00		0																									
4	53		27		28	0.00			Frozen																								
5	62		31		39	0.00			3.25																								
6	71		39		47	0.00			3.22																								
7	53		43		47	0.06			3.24																								
8	56		44		45	T																											
9	58		28		28	0.00																											
10	35		17		17	0.00																											
11	42		18		33	0.32			Frozen																								
12	36		33		35	0.42																											
13	42		35		39	0.51			4.28																								
14	48		27		28	0.00			4.22																								
15	56		28		53	0.01			4.09																								
16	65		41		40	0.00																											
17	45		25		28	0.00																											
18	40		29		38	0.68			3.64																								
19	49		28		28	0.00																											
20	41		28		30	0.05	0.06	1																									
21	33		31		33	0.55	1.4	1	4.13																								
22	59		33		42	0.05		0	4.11																								
23	50		36		38	0.00																											
24	41		38		38	1.10																											
25	59		39		41	0.00			O.F.	3.04																							
26	49		30		31	0.00			2.88																								
27	54		27		29	0.00			2.80																								
28	41		29		41	0.00			2.75																								
Average	47		29		34	Total 3.79	2.5				#DIV/0!																						
						Greatest 1.10	1.4																										
																	S. No. 18-9070-4																

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION																		
UPPER MARLBORO				PRINCE GEORGE MD			7:00 AM		March 2019		EASTERN							
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP INCHES	reading after	WATER TEMP F				REMARKS	AVERAGE SOLAR RADIATION		
	maximum	time occurrence	minimum	time occurrence	present						maximum	time	minimum	time		WIND SPEED MPH	watts per sq ft	time occurrence
1	48		32		33	0.20			0.02									
2	37		32		37	0.55												
3	48		37		41	0.00												
4	43		36		34	0.76			4.10									
5	41		24		28	0.00			Frozen									
6	41		21		21	0.00			Frozen									
7	32		20		26	0.00			Frozen									
8	43		26		29	0.00			Frozen									
9	42		29		35	0.11												
10	43		35		39	0.52												
11	60		39		50	0.00			4.37									
12	62		37		39	0.00			4.08									
13	51		27		28	0.00												
14	58		28		48	0.00			3.83									
15	74		48		65	0.00			3.61	2.92								
16	77		45		45	0.00												
17	54		29		33	0.00												
18	51		30		34	0.00			2.38									
19	48		26		26	0.00												
20	52		26		29	0.00			2.23									
21	54		39		44	0.20												
22	53		42		44	1.68			3.98									
23	54		35		43	0.16	0.2	0										
24	52		28		30	0.00												
25	66		30		43	0.00			3.69									
26	64		37		37	0.00			3.55									
27	50		26		26	0.00			3.40									
28	53		26		29	0.00			3.29									
29	63		29		54	0.00			3.10									
30	70		47		48	0.00												
31	77		48		63	0.00												
Average	54		33		38	Total 4.18	0.2				#DIV/0!		#DIV/0!			#DIV/0!	#DIV/0!	
						Greatest 1.68	0.2											
																	S. No. 18-9070-4	

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION																								
UPPER MARLBORO					PRINCE GEORGE MD			7:00 AM	April 2019	EASTERN														
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP INCHES	reading after	WATER TEMP F				REMARKS	AVERAGE	SOLAR RADIATION							
	maximum	time	minimum	time	present						maximum	time	minimum	time		WIND SPEED MPH	watts per sq ft	time occurrence						
1	62		32		32	0.04			2.63															
2	50		30		31	0.00			2.51															
3	49		31		33	0.05			2.52															
4	71		34		40	0.00			2.32															
5	68		40		49	0.02			2.19															
6	52		46		47	0.02																		
7	68		44		47	0.00																		
8	72		47		64	0.00			1.94	1.98				pan cleaned										
9	82		60		61	0.05			1.89															
10	77		44		44	0.00																		
11	70		44		46	0.00			1.49															
12	61		46		46	0.00			1.37															
13	74		46		64	0.47																		
14	77		60		65	0.00																		
15	77		60		61	0.32			1.89															
16	61		41		44	0.17			1.84															
17	69		44		55	0.00			1.68															
18	68		54		55	0.00			1.52															
19	82		55		67	0.00			1.32															
20	76		66		66	0.00																		
21	74		51		53	0.00																		
22	70		53		55	0.25			1.11															
23	72		49		50	0.00			1.00															
24	82		51		70	0.00			0.80	2.08														
25	76		57		58	0.00			1.92															
26	74		58		60	0.05			1.86															
27						0.36																		
28	76		53		55	0.00								two day max min										
29	76		41		42	0.02			1.78															
30	60		42		59	0.00			1.67															
Average	70		48		52	Total 1.82	0.0				#DIV/0!				#DIV/0!	#DIV/0!								
					Greatest	0.47	0.0																	
														S. No. 18-9070-4										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO					PRINCE GEORGE MD					7:00 AM	May 2019	EASTERN				REMARKS			AVERAGE	SOLAR RADIATION	
DATE	TEMPERATURE F				present	RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP INCHES	reading after	WATER TEMP F				REMARKS	WIND SPEED MPH	watts per sq ft	time occurrence			
	maximum	time occurrence	minimum	time occurrence							maximum	time occurrence	minimum	time occurrence							
1	83		58		59	0.00			1.52												
2	70		58		62	0.00			1.46												
3	89		62		66	0.78			2.06												
4	77		63		65	0.02															
5	75		65		66	0.79															
6	65		56		58	0.70			3.29												
7	75		57		59	0.00			3.14												
8	82		59		62	0.00			2.99												
9	71		60		61	0.00			2.91												
10	76		61		68	0.00			2.82												
11	82		63		65	0.93															
12	71		57		57	0.34															
13	58		48		49	0.65			4.40												
14	57		45		49	0.27			4.63												
15	61		45		48	0.00			4.44												
16	75		48		55	0.00			4.25												
17	79		55		58	0.01			4.08												
18	80		58		66	0.00															
19	82		64		68	0.20															
20	89		68		75	0.00			3.66												
21	89		62		63	0.09			3.38												
22	71		49		50	0.00			3.13												
23	72		50		59	0.00			2.91												
24	87		59		72	0.25			3.03												
25	83		63		64	0.00															
26	80		64		74	0.03															
27	88		67		70	0.30															
28	84		66		69	0.00			2.42												
29	89		67		71	0.54			2.74												
30	91		68		69	0.09			2.57												
31	88		63		65	0.45			2.82												
Average	78		59		63	Total	6.44	0.0			#DIV/0!			#DIV/0!		#DIV/0!	#DIV/0!				
						Greatest	0.93	0.0													
S. No. 18-9070-4																					

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM	June 2019	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	84		95		72	0.00			2.59									
2	84		61		66	0.00												
3	84		54		54	0.34			2.45									
4	73		47		49	0.00			2.19									
5	77		49		62	0.00			1.94									
6	83		62		71	0.00			0.78									
7	88		70		72	0.00												
8						0.00								thermometers offline				
9						0.00												
10						0.54												
11						0.00												
12						0.00			1.30									
13	91		64			0.82			2.03									
14	87		59			0.09			2.10									
15			55		68	0.00												
16	83		68		72	0.00												
17	87		71		72	0.00			1.28									
18	89		71		72	0.63			1.73									
19	86		71		72	0.62			2.19									
20	86		73		75	0.03			2.07									
21	90		69		70	0.20			2.00									
22	81		61		68	0.00												
23	81		57		61	0.00												
24	84		62		67	0.00			1.23									
25	91		66		74	0.06			1.14									
26	89		67		75	0.00			0.88	1.22								
27	92		68		70	0.00			0.96	1.36								
28	91		68		72	0.00			1.15	1.57								
29	93		68		72	1.37												
30	94		71		79	0.02			2.39									
Average	86		64		69	Total	4.72	0.0			#DIV/0!		#DIV/0!			#DIV/0!	#DIV/0!	
						Greatest	1.37	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO			PRINCE GEORGE MD			7:00 AM		July 2019		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	90		62		61	0.00												
2	85		62		66	0.00			1.79									
3	92		62		73	0.02			1.55									
4	91		71		76	0.00												
5	91		74		76	0.00												
6	91		73		75	0.00												
7	91		73		73	0.33			0.96									
8	85		73		75	0.02			0.81									
9	76		63		66	2.20			2.86									
10	86		66		69	0.00			2.59									
11	86		69		76	0.00			2.33									
12	90		71		72	1.29			3.39									
13	90		66		72	0.00												
14	90		66		73	0.00												
15	94		65		66	0.00			2.53									
16	90		66		72	0.00			2.25									
17	93		72		76	0.00			2.02									
18	95		75		75	0.08			1.89									
19	92		75		75	0.04			1.69									
20	96		73		77	0.00												
21	97		73		80	0.00												
22	99		72		74	0.00			0.84	1.24								
23	94		69		69	0.05			1.05									
24	74		65		65	0.06			1.11									
25	84		62		62	0.09												
26	86		61		65	0.00			0.80									
27	88		63		66	0.00												
28						0.00												
29	91		64		73	0.00			0.02	1.5				two day max min				
30	93		73		74	0.00			1.20									
31	95		72		72	0.00			0.92									
Average	90		68		71	Total	4.18	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	2.20	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION																		
UPPER MARLBORO				PRINCE GEORGE MD			7:00 AM		August 2019		EASTERN							
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP INCHES	WATER TEMP F				REMARKS	AVERAGE SOLAR RADIATION			
	maximum	time occurrence	minimum	time occurrence	present					maximum	time occurrence	minimum	time occurrence		reading after	WIND SPEED MPH	watts per sq ft	time occurrence
1	89		68		68	0.00			0.69	2.66								
2	91		68		72	0.03			2.44									
3	87		68		67	0.01												
4	85		70		72	0.21												
5	90		70		70	0.00			2.06									
6	88		69		69	0.03			1.88									
7	90		69		73	0.00			1.65									
8	92		68		69	0.81			2.22									
9	90		69		71	0.00			1.94									
10	90		60		61	0.00												
11	83		61		64	0.00												
12	84		62		62	0.00			1.27									
13	91		62		75	0.00			1.02									
14	86		75		75	0.09			1.04	2.06								
15	87		73		73	0.00			1.89									
16	86		70		72	0.01			1.72									
17	88		72		73	0.00												
18	93		73		74	0.00												
19	94		72		73	0.00			1.12									
20	97		73		73	0.01			0.94									
21	95		69		69	0.08			0.81									
22	92		69		71	1.23			2.08									
23	93		71		73	0.00			1.84									
24	77		59		60	0.43												
25	78		58		60	0.00												
26	77		58		60	0.00												
27	76		59		63	0.00			1.74									
28	80		63		68	T			1.64									
29	82		63		63	0.01			1.56									
30	84		57		57	0.00			1.33									
31	90		57		64	0.00												
Average	87		66		68	Total 2.95	0.0				#DIV/0!		#DIV/0!			#DIV/0!	#DIV/0!	
					Greatest	1.23	0.0											
S. No. 18-9070-4																		



RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION																								
UPPER MARLBORO					PRINCE GEORGE MD			7:00 AM	September 2109	EASTERN														
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP INCHES	reading after	WATER TEMP F				REMARKS	AVERAGE SOLAR RADIATION								
	maximum	time	minimum	time	present						maximum	time	minimum	time		WIND SPEED MPH	watts per sq ft	time occurrence						
	occurrence		occurrence								occurrence													
1	88		64		70	0.00																		
2	88		68		72	0.00																		
3	90		66		67	0.00			0.76															
4	89		67		67	0.00			0.42	2.00														
5	94		69		69	0.55			2.28															
6	75		68		68	0.00			2.15															
7	77		57		59	0.00																		
8	83		58		61	0.00																		
9	84		60		67	0.00																		
10	84		62		57	0.00			1.66															
11	87		62		69	0.00			1.49															
12	95		69		71	0.00			1.35															
13	95		67		67	0.00			1.15	2.58														
14	74		60		65	0.03																		
15	80		64		71	0.00			2.40															
16	89		61		62	0.00			2.19															
17	92		62		71	0.00			2.07															
18	80		55		55	0.00			1.91															
19	77		52		52	0.00			1.75															
20	73		47		47	0.00			1.60															
21	79		47		54	0.00																		
22	88		53		65	0.00																		
23	91		64		70	0.00			1.12															
24	94		64		65	0.00			0.86	2.43														
25	80		52		52	0.00			2.17															
26	83		52		59	0.00			2.09															
27	90		58		58	0.00			1.83															
28	82		58		64	0.00																		
29	86		63		68	0.00			1.56															
30	86		68		69	0.00			1.38															
Average	85		61		64	Total 0.58	0.0				#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		October 2019		EASTERN							
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP		WATER TEMP F			time occurrence	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
1	71		65		65	0.08			1.41									
2	89		65		70	0.00			1.24									
3	96		70		75	0.00			1.05									
4	75		70		70	0.00			0.92									
5	77		47		47	0.00												
6	67		47		61	0.00												
7	75		61		67	0.00			0.54	1.90								
8	83		60		60	0.03			1.73									
9	65		55		55	0.02			1.64									
10	69		55		56	0.00			1.48									
11	77		45		45	0.00			1.33									
12	74		45		47	0.00												
13	75		45		54	0.00												
14	66		45		46	0.04			1.02									
15	77		43		43	0.00			0.89									
16	71		43		53	0.00			0.76	1.80								
17	64		50		53	1.21			2.94									
18	59		46		46	0.00			2.80									
19	64		37		37	0.00												
20	66		37		51	0.00												
21	58		51		54	1.79			4.38									
22	70		54		58	0.00			4.29									
23	62		50		50	0.68			4.92									
24	67		38		38	0.00			4.74									
25	71		38		45	0.00			4.66									
26	69		45		55	0.00												
27	70		55		65	0.00												
28	79		50		51	1.21			O.F.	3.86								
29	64		50		52	0.00			3.76									
30	67		52		57	0.00			3.70									
31	68		57		68	0.55			4.21									
Average	71		51		55	Total	5.61	0.0			#DIV/0!				#DIV/0!	#DIV/0!		
						Greatest	1.79	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO					PRINCE GEORGE MD				7:00 AM	November 2019	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	78		43		43	0.69			4.72	3.15								
2	54		32		31	0.00												
3	?		32		35	0.00												
4	56		30		30	0.00			2.92									
5	63		30		41	0.00												
6	66		39		39	0.00			2.76									
7	60		38		47	0.00			2.69									
8	61		37		37	0.11			2.72									
9	45		23		25	0.00												
10	49		26		36	0.00												
11	57		36		36	0.00			2.06									
12	69		36		50	0.10			2.05									
13	50		24		25	0.00			Frozen									
14	38		19		23	0.00			Frozen									
15	44		23		30	0.00												
16					?	0.00												
17					?	0.00												
18			31		39	0.00									3 day min			
19	54		28		44	0.23			1.98						4 day max			
20	56		43		43	0.10			1.94									
21	52		33		35	0.00			1.86									
22			?		?	0.00												
23	55		?		29	0.00									2 day max			
24	46		30		41	0.80												
25	54		31		32	0.02			2.51									
26	61		31		31	0.00												
27	65		32		53	0.01			2.40									
28	58		45		45	0.00												
29	52		33		34	0.00												
30	57		35		38	0.00			2.14									
Average	56		32		37	Total	2.06	0.0			#DIV/0!		#DIV/0!		#DIV/0!	#DIV/0!		
						Greatest	0.80	0.0										

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM	December 2019		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	45		38		39	0.07												
2	44		39		38	0.50			2.71									
3	42		38		38	0.16			2.81									
4	48		32		35	0.02			2.78									
5	49		35		40	0.01			2.73									
6	47		29		29	0.00												
7	54		29		39	0.00												
8	45		22		23	0.00												
9	48		23		46	0.05			2.45									
10	58		46		58	0.63			3.10									
11	60		32		32	0.27	0.1	T	3.35									
12	39		27		27	0.01												
13	41		27		35	0.03			3.19									
14	46		41		46	0.50												
15	49		35		41	0.04												
16	56		35		35	0.15			3.81									
17	38		35		38	0.26			4.06									
18	42		31		31	0.10			4.15									
19	42		21		22	0.00			Frozen									
20	33		18		20	0.00			Frozen									
21	40		21		25	0.00												
22	39		22		22	0.00												
23	49		22		28	0.00												
24	59		28		31	0.00			3.75									
25	52		24		25	0.00												
26	50		24		31	0.00												
27	55		31		43	0.00			3.72									
28	59		32		37	0.00												
29	65		37		42	0.00												
30	61		42		62	0.60												
31	65		44		44	0.14												
Average	49		31		36	Total 3.54	0.1				#DIV/0!		#DIV/0!			#DIV/0!	#DIV/0!	
						Greatest 0.63	0.1											

S. No. 18-9070-4