

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO						PRINCE GEORGE MD		7:00 AM		January 2007		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 occurance	minimum	time occurance	present					INCHES	reading after	maximum	time occurance	minimum	time occurance			watts per sq ft	time occurance	
1 1	56	458	35	701	50		1.14					50	658	38	732		4.28	37.21	1240	
1 2	53	1510	40	648	40		0.20					53	1614	39	656		4.10	10.05	1350	
1 3	52	1456	25	550	26		0.00					53	1459	37	659		3.42	33.54	1229	
1 4	58	1443	26	700	43		0.00					53	1548	37	754		3.74	33.50	1217	
1 5	65	1533	42	820	59		0.19					59	1606	39	730		4.34	34.19	1330	
1 6	66	140	57	910	62		0.00					62	343	53	707		7.20	8.31	1149	
1 7	73	1432	47	700	47		0.00					72	1332	48	658		5.53	44.25	1305	
1 8	54	1128	44	749	54		1.22					54	1344	46	833		3.33	38.99	1147	
1 9	55	824	28	504	33		T					53	1444	37	700		6.76	43.21	1340	
1 10	48	1301	31	655	31		T					46	1358	36	658		6.66	36.86	1248	
1 11	38	1318	18	654	19		0.00					43	1421	34	700		4.59	42.71	1312	
1 12	43	1336	18	703	43		0.00					44	1453	34	752		5.53	32.85	1310	
1 13	55	332	43	703	53		T					48	659	37	847		6.84	22.20	1057	
1 14	64	1309	53	743	56		0.03					58	1547	48	704		4.49	29.69	1244	
1 15	71	1334	55	757	59		0.00					66	1506	54	753		3.85	37.69	1131	
1 16	69	1524	52	653	52		0.00					63	1543	54	658		11.08	38.39	1138	
1 17	52	701	22	653	22		0.00					54	700	33	657		9.38	49.49	1337	
1 18	36	1514	19	441	20		0.00					42	1449	32	742		2.34	35.69	1233	
1 19	35	1539	20	715	32		0.00					39	1447	34	800		0.75	12.13	1153	
1 20	48	1311	31	734	32		0.00					42	1415	34	655		8.26	44.82	1243	
1 21	37	1442	20	639	21		0.00					42	1456	32	659		7.53	36.31	1234	
1 22	31	654	20	712	31		0.39	1.8	2			38	1339	32	723		1.27	15.27	1117	
1 23	36	414	31	705	35		0.00		1			37	1449	33	711		2.02	11.74	1355	
1 24	42	1451	25	2311	32		0.00		0			42	1347	33	730		3.29	45.24	1346	
1 25	41	1507	31	2100	32		0.00					42	1523	34	720		4.18	43.16	1146	
1 26	37	1353	14	640	15		T					42	1509	31	620		9.06	37.61	1340	
1 27	33	1530	14	733	20		0.00					41	1448	31	719		3.50	41.17	1323	
1 28	59	1543	20	732	41		0.00					45	1431	32	733		3.21	35.76	1254	
1 29	42	735	20	651	20		0.01	T				38	1600	32	659		6.35	7.80	1419	
1 30	32	1559	15	553	16		0.00					42	1436	31	757		4.68	42.40	1214	
1 31	43	1526	16	705	21		0.00					42	1417	31	639		8.96	45.21	1201	
Average	49		30		36	Total	3.18	1.8				49		37			5.18	33.14		
						Greatest	1.22	1.8												

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD					7:00 AM		February 2007		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 occurance	minimum	time occurance	present					INCHES	reading after	maximum	time occurance	minimum	time occurance			watts per sq ft	time occurance	
2 1	35	1429	21	733	31		0.00					42	1514	31	702		4.42	39.28	1239	
2 2	34	1601	31	701	32		0.08	T				37	1630	32	820		3.47	10.41	1556	
2 3	37	1311	24	654	24		0.00					38	1351	32	651		3.81	13.89	1215	
2 4	37	1454	20	659	20		0.00					43	1351	32	716		5.29	50.60	1308	
2 5	35	1247	13	650	13		0.00					43	1311	31	318		6.12	42.30	1251	
2 6	21	1523	9	652	9		0.00					40	1407	31	2217		8.60	42.20	1225	
2 7	27	1554	9	705	17		0.04	1.2	1			37	1408	31	702		5.10	44.81	1227	
2 8	30	1619	12	548	14		0.00		T			35	1438	31	619		5.44	44.27	1256	
2 9	29	1439	12	10	20		0.00		0			37	1410	31	722		5.84	43.03	1235	
2 10	33	1526	18	655	18		0.00					36	1406	31	644		5.70	44.31	1313	
2 11	36	1408	9	700	9		0.00					38	1244	31	659		5.04	51.31	1032	
2 12	38	1448	9	713	20		0.00					41	1326	31	713		2.92	52.32	1146	
2 13	46	1206	20	707	34		0.00					43	1255	31	702		2.25	48.90	1210	
2 14	34	707	25	2228	29		1.45	1.1	1			33	1214	31	46		1.97	6.78	1026	
2 15	34	1311	16	651	16		0.00		1			36	1424	31	356		1.23	53.50	1311	
2 16	26	1444	14	259	16		0.00		1			41	1518	31	532		5.81	56.42	1217	
2 17	29	1632	11	625	11		0.00		1			41	1403	31	428		5.59	45.61	1308	
2 18	38	1419	11	700	30		0.00		T			40	1307	31	704		2.92	50.85	1221	
2 19	35	1219	15	616	16		0.01	0.2	T			40	1453	31	602		9.00	59.41	1153	
2 20	43	606	16	704	43		0.00		0			42	1424	31	700		8.27	46.68	1227	
2 21	53	1629	37	607	40		0.29					38	1629	34	710		4.79	20.02	1623	
2 22	54	1550	33	2215	37		0.00					55	1322	34	728		3.08	54.54	1313	
2 23	58	1421	31	655	31		0.00					50	1408	33	658		10.92	58.37	1205	
2 24	39	1504	23	659	23		0.00					48	1542	32	659		9.67	46.64	1225	
2 25	44	1523	23	706	33		0.00					46	1511	32	712		3.34	47.73	1242	
2 26	34	953	31	1223	32		0.62	4.5	3			38	1505	34	625		1.14	4.39	1003	
2 27	43	1454	28	631	28		0.00		1			43	1736	34	711		0.99	34.43	1159	
2 28	53	1354	28	715	30		0.00		0			58	1438	38	724		3.53	59.83	1222	
Average	38		20		24	Total	2.49	7.0				41		32			4.87	41.89		
						Greatest	1.45	4.5												

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD					7:00 AM	March 2007		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 occurance	minimum	time occurance	present					INCHES	reading after	maximum	time occurance	minimum	time occurance			watts per sq ft	time occurance
3 1	52	1529	30	700	34		0.00					60	1557	38	717		2.05	46.40	1220
3 2	59	605	34	702	58		0.57					54	659	39	707		8.15	42.59	1038
3 3	65	1422	31	659	31		0.00					67	1445	39	658		5.94	57.91	1110
3 4	61	1214	31	707	32		0.00					62	1509	38	657		7.54	60.22	1211
3 5	41	1305	26	531	28		0.00					47	1517	34	700		7.96	68.48	1252
3 6	51	1358	18	700	18		0.00					54	1537	32	656		11.30	64.48	1219
3 7	33	1605	18	700	25		0.00					45	1419	32	728		6.08	52.24	1220
3 8	28	1407	10	603	11		0.11	1.0	1			39	1456	32	655		1.92	19.37	1305
3 9	39	1433	11	703	24		0.00		0			44	1518	32	714		3.04	53.75	1219
3 10	46	1516	24	703	28		0.00					48	1634	34	702		4.69	50.74	1220
3 11	68	1457	28	700	46		0.00					63	1622	36	701		5.75	49.94	1142
3 12	58	1440	27	635	27		0.14					66	1455	39	640		5.07	50.70	1217
3 13	60	1452	27	700	39		0.00					64	1537	39	719		2.63	58.90	1103
3 14	75	1425	39	706	53		0.00					70	1527	42	734		3.76	62.75	1103
3 15	82	1408	52	523	58		0.00					76	1412	50	706		6.04	60.88	1233
3 16	80	1346	39	2314	39		1.05					73	1353	41	657		7.88	52.03	1350
3 17	39	701	28	407	29		1.57	0.2	0			41	747	32	600	Frozen Rain	4.63	6.25	1043
3 18	35	1103	28	629	29		0.00					41	1115	32	701		8.02	69.88	1106
3 19	44	1537	22	633	24		0.00					52	1540	32	700		5.77	56.50	1229
3 20	57	102	24	700	54		0.00					59	1517	34	701		11.47	72.01	1419
3 21	63	1328	37	658	37		0.00					71	1455	39	659		7.20	54.52	1200
3 22	46	658	36	755	46		0.00					46	1223	39	756		5.10	32.41	1022
3 23	76	1634	46	700	60		0.00					74	1453	41	700		10.72	48.90	1227
3 24	79	1339	52	654	52		0.03					76	1446	55	658		5.42	64.13	1311
3 25	56	1651	45	152	48		0.00					59	1707	49	657		3.20	30.16	1254
3 26	61	1445	41	556	43		0.00					76	1441	42	631		6.78	54.06	1226
3 27	65	1603	43	701	61		0.00					68	1548	43	700		6.44	63.51	1226
3 28	83	1452	61	700	62		0.00					83	1457	54	703		5.97	61.41	1250
3 29	71	1126	41	634	42		0.00					79	1352	40	621		6.65	60.65	1127
3 30	62	1534	30	607	33		0.00					72	1451	35	626		4.87	58.19	1229
3 31	68	1522	33	700	45		0.00					76	1504	35	700		3.32	57.78	1208
Average	58		33		39	Total	3.47	1.2				62		39			5.98	52.96	
						Greatest	1.57	1.0											

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD					7:00 AM		April 2007		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 occurene	
	maximum	time occurance	minimum	time occurance	present				INCHES	reading after	maximum	time occurance	minimum	time occurance						
4 1	61	1235	45	700	47	0.00					71	1357	42	700		5.64	68.20	1351		
4 2	61	1438	47	629	50	0.00				0.77	2.21	65	1507	46	701		3.70	64.99	1244	
4 3	82	1548	47	554	51	0.00				1.97		80	1434	50	701		4.46	66.16	1256	
4 4	72	1009	45	440	45	0.50				2.22		81	1405	46	635		7.93	53.51	1217	
4 5	55	1354	37	700	37	0.02				2.14		58	1423	38	530		6.84	29.54	1340	
4 6	48	1412	33	614	34	0.00				1.98		58	1446	35	614		8.71	77.68	1125	
4 7	49	1528	31	542	31	0.04	0.2	T		1.87		65	1506	35	554		6.14	68.95	1200	
4 8	43	1424	29	526	32	0.00				1.75		52	1553	34	609		6.98	79.63	1348	
4 9	46	1539	27	341	33	0.00				1.66		50	1557	34	700		5.46	84.00	1152	
4 10	48	1355	29	155	36	0.00				1.56		57	1418	35	700		3.64	90.50	1202	
4 11	53	1554	28	533	33	0.00				1.46		63	1432	37	702		2.62	75.45	1304	
4 12	55	1314	33	700	46	0.79				2.10		55	1414	39	757		7.92	66.53	1313	
4 13	64	1410	44	609	44	0.23				2.16		71	1409	42	659		5.97	72.76	1207	
4 14	57	1620	32	453	38	0.00						61	1624	38	431		4.89	77.68	1255	
4 15	57	1333	38	702	44	1.00						62	1421	39	730		6.09	73.50	1338	
4 16	47	1434	42	2348	44	1.63				4.40	3.02	48	1453	40	652		11.50	19.40	1257	
4 17	47	1352	42	1001	46	0.00				2.92		48	1401	40	714		13.76	85.86	1105	
4 18	54	1155	40	513	45	0.00				2.79		56	1525	39	634		8.58	91.53	1148	
4 19	54	1457	45	707	48	0.00				2.69		59	1604	40	700		2.39	68.67	1034	
4 20	56	1443	39	508	49	0.00				2.61		60	1458	45	604		1.73	33.40	1205	
4 21	71	1503	40	541	48	0.00						81	1507	46	700		3.06	61.45	1158	
4 22	78	1519	41	508	49	0.00						84	1546	47	700		2.23	60.49	1225	
4 23	83	1440	49	700	63	0.00				1.91		88	1503	50	700		4.08	59.78	1226	
4 24	86	1421	63	701	68	T				1.55		87	1403	53	700		8.10	58.36	1222	
4 25	83	1632	56	545	60	0.00				1.34		85	1441	56	630		3.74	76.19	1121	
4 26	75	1609	51	526	52	0.00				1.11		83	1300	52	602		5.05	70.71	1306	
4 27	61	1438	49	34	51	0.29				1.30		66	1442	52	610		4.18	59.83	1432	
4 28	72	1628	51	701	57	0.17						77	1630	52	701		1.18	73.13	1353	
4 29	71	1323	47	527	56	0.00						77	1343	51	618		2.93	79.63	1200	
4 30	76	1441	47	454	62	0.00				1.06		84	1410	51	554		4.02	72.94	1317	
Average	62		41		47	Total	4.67	0.2				68		43			5.45	67.35		
						Greatest	1.63	0.2												

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD					7:00 AM		May 2007		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 occurene
	maximum	time occurance	minimum	time occurance	present				INCHES	reading after	maximum	time occurance	minimum	time occurance					
5 1	86	1356	54	334	60	0.00			0.81		85	1401	53	700	6.04	69.97	1234		
5 2	77	1501	56	423	60	0.00			0.52	1.63	87	1417	55	551	5.57	59.97	1113		
5 3	82	1214	55	542	57	0.00			1.43	2.58	83	1304	56	657	5.11	75.27	1258		
5 4	69	1418	43	511	53	0.00			2.42		75	1536	51	557	3.40	72.38	1234		
5 5	71	1426	51	37	57	0.00					84	1530	52	700	4.38	88.18	1115		
5 6	70	1022	49	515	52	0.01					70	1114	46	622	6.04	76.84	1043		
5 7	62	1510	37	456	47	0.00			1.83		77	1453	44	548	6.66	69.88	1228		
5 8	66	1622	36	503	46	0.00			1.62		81	1536	45	617	4.78	59.86	1220		
5 9	75	1439	47	700	61	0.00			1.44		88	1533	45	700	3.34	77.03	1218		
5 10	82	1517	61	700	68	0.00			1.29	3.01	91	1524	60	700	4.68	79.17	1149		
5 11	80	1342	64	535	67	0.00			2.80		91	1412	66	547	5.63	81.96	1055		
5 12	86	1515	58	354	65	0.00					93	1522	64	547	3.13	59.23	1404		
5 13	81	1354	54	622	54	0.59					91	1417	60	651	5.43	65.79	1258		
5 14	70	1521	41	506	53	0.00			2.66		84	1452	51	557	4.68	61.58	1208		
5 15	74	1516	53	701	62	0.00			2.37		86	1532	52	700	6.09	70.25	1228		
5 16	84	1451	62	700	70	0.00			2.02		89	1457	55	701	11.95	58.28	1213		
5 17	84	1226	54	526	59	0.28			2.08		86	1225	59	604	6.43	68.67	1224		
5 18	71	1240	51	236	55	0.00			1.91		83	1259	55	614	3.00	83.54	1158		
5 19	62	1647	48	514	56	0.00					67	1703	51	539	2.88	61.13	1036		
5 20	73	1535	55	702	60	0.00					83	1335	53	538	4.99	70.81	1331		
5 21	80	1526	58	610	60	0.00			1.37		82	1601	53	701	5.56	82.61	1318		
5 22	74	1608	45	452	56	0.00			1.15	2.9	90	1503	52	552	3.23	61.99	1216		
5 23	77	1428	50	513	59	0.00			2.67		93	1417	54	700	2.75	77.96	1154		
5 24	78	1435	51	523	60	0.00			2.42		90	1454	57	531	4.82	59.42	1229		
5 25	81	1412	54	503	63	0.00			2.19		93	1513	59	520	4.07	59.89	1221		
5 26	87	1456	63	700	70	0.00					96	1447	62	700	3.31	59.49	1239		
5 27	91	1328	64	502	71	0.00					98	1330	69	526	1.97	65.23	1305		
5 28	89	1252	64	503	68	0.19					98	1452	68	516	2.87	67.00	1240		
5 29	86	1419	65	358	69	0.00			1.47		95	1448	67	549	1.60	64.05	1324		
5 30	85	1528	57	453	66	0.00			1.20		100	1437	62	524	2.57	60.54	1209		
5 31	88	1422	62	424	70	0.00			0.93		100	1423	64	521	3.23	67.74	1258		
Average	78		54		60	Total	1.07	0.0			87		56		4.52	68.89			
						Greatest	0.59												

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD					7:00 AM		June 2007		EASTERN					REMARKS	AVERAGE		
DATE	TEMPERATURE F					RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	p		WATER TEMP F				WIND SPEED MPH		watts per sq ft	time occurene	
	maximum	time occurance	minimum	time occurance	present				INCHES	reading after	maximum	time occurance	minimum	time occurance					
6 1	90	1423	63	459	70	0.00			0.65	2.53	102	1433	65	529		3.89	64.60	1226	
6 2	90	1517	67	529	71	0.00					96	1442	68	700		3.90	63.76	1219	
6 3	87	1322	67	507	68	0.00					95	1300	68	610		4.74	58.76	1242	
6 4	71	849	65	615	66	1.02			3.02		71	1429	67	547		4.59	20.63	1423	
6 5	83	1540	64	127	70	0.04			2.87		89	1448	67	531		3.63	75.36	1218	
6 6	83	1318	61	520	66	0.05			2.68		84	1441	66	521		4.82	85.58	1231	
6 7	77	1441	52	458	64	0.00			2.43		87	1521	59	502		3.49	80.75	1128	
6 8	86	1634	64	703	75	0.00					93	1501	62	701		4.27	63.05	1221	
6 9	95	1306	69	438	75	0.04					103	1426	72	700		3.47	60.07	1210	
6 10	87	1450	64	127	69	0.00					96	1456	67	449		4.97	76.10	1109	
6 11	76	1551	61	458	66	0.00					82	1640	65	513		1.43	57.03	927	
6 12	85	1405	60	405	71	0.00					98	1411	65	531		2.15	68.85	1157	
6 13	88	1445	61	433	68	0.34					100	1408	64	516		2.69	83.91	1120	
6 14	83	1241	59	645	60	0.01					96	1241	61	650		4.33	78.05	1317	
6 15	68	1616	54	557	56	0.00					81	1233	58	632		2.95	90.69	1201	
6 16	70	1604	55	527	62	0.00					77	1619	58	702		0.96	36.40	1334	
6 17	79	1602	59	432	69	0.00					88	1404	62	503		2.06	84.46	1342	
6 18	90	1609	69	700	76	0.00			0.52	2.42	100	1440	66	701		3.22	60.40	1234	
6 19	94	1331	70	445	74	0.00			2.20		100	1422	71	700		2.68	65.14	1311	
6 20	94	1424	70	659	70	0.35			2.29		101	1438	73	658		3.50	55.69	1251	
6 21	83	1534	55	505	66	0.00			2.05		91	1545	61	552		3.31	82.05	1203	
6 22	88	1543	64	518	67	0.04			1.84		94	1500	62	700		3.39	60.56	1207	
6 23	81	1613	51	514	65	0.00					90	1423	57	545		3.95	69.50	1334	
6 24	82	1512	55	511	67	0.00					90	1538	59	700		2.55	65.97	1237	
6 25	85	1429	67	702	72	T			1.03	1.49	95	1433	62	700		2.69	70.53	1255	
6 26	88	1502	70	520	77	0.00			1.26	1.64	93	1539	70	703		2.92	63.93	1403	
6 27	93	1443	72	514	78	0.00			1.37	1.74	103	1448	74	543		2.27	59.54	1215	
6 28	94	1251	72	437	77	0.17			1.69	2.06	100	1255	73	550		3.04	66.07	1433	
6 29	91	1200	71	340	73	0.29			2.12		94	1205	74	550		2.81	69.69	1204	
6 30	78	1029	69	359	73	0.00					83	1540	71	534		1.91	54.11	1025	
Average	85		63		69	Total	2.35	0.0			92		66			3.22	66.37		
						Greatest	1.02												

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD					7:00 AM		July 2007		EASTERN								
DATE	TEMPERATURE F						RAIN, MELTED PRECIP INCHES	SNOW, ICE, HAIL INCHES	SNOW, ICE ON GROUND INCHES	EVAP		WATER TEMP F				REMARKS	AVERAGE SOLAR RADIATION		
	maximum	time occurance	minimum	time occurance	present					INCHES	reading after	maximum	time occurance	minimum	time occurance		WIND SPEED MPH	watts per sq ft	time occurance
7 1	81	1209	59	446	64		0.00					89	1626	65	559		2.32	73.50	1201
7 2	82	1518	57	528	65		0.00			1.63	2.44	90	1540	59	548		4.19	69.41	1251
7 3	79	1620	53	156	64		0.00			2.18		92	1533	60	700		3.13	71.08	1124
7 4	81	1331	63	702	70		0.00					85	1336	63	710		5.16	77.96	1256
7 5	87	1443	70	709	75		T			1.71		90	1444	66	709		8.45	66.90	1440
7 6	82	1135	70	507	74		0.07			1.67	2.06	84	1531	68	725		4.76	83.44	1155
7 7	90	1502	62	522	72		0.00					95	1507	67	544		3.03	68.85	1145
7 8	92	1543	65	524	75		0.00					96	1451	68	700		2.40	70.25	1316
7 9	96	1512	66	511	74		0.00			1.21	1.60	98	1402	69	547		2.41	67.09	1221
7 10	98	1340	74	518	80		0.00			1.29	1.66	98	1445	71	700		2.74	58.86	1230
7 11	96	1122	67	1202	73		1.04			2.47		96	1129	72	525		2.18	70.06	1257
7 12	88	1528	64	505	70		0.07			2.35		95	1511	67	609		3.44	86.23	1323
7 13	85	1447	62	515	71		0.00			2.07		96	1504	68	700		2.95	66.90	1332
7 14	85	1205	60	514	69		0.00					88	1209	64	556		3.17	75.08	1123
7 15	87	1427	67	524	72		0.00					92	1411	66	700		4.28	72.38	1159
7 16	93	1519	67	527	76		0.00			1.27	1.65	97	1329	68	700		4.02	63.77	1305
7 17	91	1343	66	518	74		0.00			1.46	1.87	96	1341	70	602		1.60	69.13	1022
7 18	92	1405	73	705	76		0.00			1.55		100	1425	70	702		4.40	59.57	1228
7 19	91	1552	68	511	75		0.00			1.34	1.73	95	1556	71	607		2.64	71.64	1204
7 20	93	1252	73	1559	74		0.01			1.56	2.27	90	1258	71	659		5.95	72.94	1151
7 21	85	1528	60	546	67		0.00					91	1443	63	619		4.79	69.32	1224
7 22	84	1341	62	30	70		0.00					90	1459	63	556		3.42	88.00	1222
7 23	86	1414	65	559	68		0.00					91	1428	64	700		3.49	79.07	1214
7 24	87	1432	60	520	69		0.00			1.25	1.61	93	1452	63	548		3.55	83.63	1108
7 25	87	1231	66	437	69		0.00			1.43		89	1235	64	701		3.82	70.15	1117
7 26	86	1621	66	336	71		0.00					91	1410	67	705		2.74	76.38	1201
7 27	88	1454	67	311	73		0.00			1.00	2.03	96	1419	68	511		3.38	78.89	1214
7 28	94	1345	67	520	73		0.34					95	1324	70	700		3.47	65.51	1326
7 29	91	1422	71	430	74		0.00					99	1540	71	700		2.26	78.33	1158
7 30	86	1047	70	53	73		0.14			1.93		90	1158	72	543		1.75	67.55	1052
7 31	87	1302	67	436	72		0.42			2.23		91	1319	71	620		1.08	72.48	1301
Average	88		65		72	Total	2.09	0.0				93		67			3.45	72.40	
						Greatest	1.04												

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD					7:00 AM		August 2007		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 occurene
	maximum	time occurance	minimum	time occurance	present				INCHES	reading after	maximum	time occurance	minimum	time occurance					
8 1	91	1347	65	338	72	0.00			2.00		101	1446	69	602		2.40	61.06	1241	
8 2	93	1515	68	508	74	0.00			1.80		99	1516	70	700		1.67	69.97	1213	
8 3	95	1442	70	517	74	0.00			1.52		101	1449	69	556		3.57	62.31	1255	
8 4	95	1350	69	512	75	0.00					99	1421	70	700		3.27	54.88	1325	
8 5	97	1538	73	313	77	0.00					100	1357	72	700		2.29	58.28	1301	
8 6	89	1302	70	1756	73	1.18			2.09		94	1319	72	550		2.87	62.68	1256	
8 7	94	1538	73	459	76	0.00			1.93		99	1447	73	701		1.88	67.55	1239	
8 8	94	1455	76	700	81	T			1.74		100	1507	77	700		2.53	62.41	1124	
8 9	100	1449	78	545	82	0.00			1.45		101	1449	77	608		3.85	68.02	1309	
8 10	93	1218	75	536	77	0.06			1.32		98	1223	76	606		3.20	65.97	1046	
8 11	91	1429	64	654	64	0.00					98	1512	67	656		4.53	81.31	1217	
8 12	86	1514	60	454	69	0.00					97	1429	64	604		2.75	57.98	1233	
8 13	90	1329	68	704	74	0.00			0.61	2.11	98	1500	65	701		2.20	68.48	1238	
8 14	92	1503	60	523	69	0.00			1.80		96	1422	65	616		3.45	58.56	1236	
8 15	88	1538	62	418	70	0.00			1.53		95	1513	64	606		2.45	58.70	1254	
8 16	93	1527	70	700	74	0.00			1.32	2.27	94	1449	65	700		3.08	54.41	1416	
8 17	89	1616	72	544	73	0.10			2.24		91	1600	72	700		3.71	55.58	1253	
8 18	93	1508	66	603	70	0.00					96	1351	63	611		4.76	64.68	1315	
8 19	83	1512	59	12	64	0.00					92	1503	64	700		2.94	59.36	1245	
8 20	82	1519	62	525	62	1.22			2.80		81	1558	64	710		3.26	58.82	1354	
8 21	71	1455	62	711	68	1.46			4.13	2.35	74	1549	65	701		1.60	29.37	1250	
8 22	71	1014	62	658	62	0.08			2.40		73	1344	65	653		3.21	22.73	1258	
8 23	70	1447	61	747	67	0.00			2.34		75	1631	65	701		1.53	47.27	1435	
8 24	76	1133	67	704	72	0.00			2.26		81	1533	68	703		1.66	40.04	1052	
8 25	90	1530	71	701	76	0.00					98	1516	72	702		3.08	68.95	1205	
8 26	96	1526	69	1912	71	1.09					102	1500	72	620		3.62	52.64	1228	
8 27	85	1524	66	541	69	0.03			2.79		92	1525	72	700		1.56	61.29	1412	
8 28	87	1523	64	535	67	0.00			1.99		98	1522	69	619		2.14	57.07	1310	
8 29	84	1323	66	432	69	0.00			2.41		95	1459	70	701		1.89	67.83	1149	
8 30	85	1354	65	536	68	0.00			2.23		95	1440	69	622		2.03	62.03	1208	
8 31	87	1427	68	431	71	0.00			2.07		96	1529	69	704		1.83	61.56	1312	
Average	88		67		71	Total	5.22	0.0			94		69			2.74	58.77		
						Greatest	1.46												

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD					7:00 AM	September 2007		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 occurance	minimum	time occurance	present				INCHES	reading after	maximum	time occurance	minimum	time occurance				
9 1	86	1516	57	559	62	0.00					92	1549	63	644		3.53	59.46	1302
9 2	83	1609	57	601	62	0.00					92	1506	62	634		2.62	54.19	1222
9 3	83	1228	58	339	63	0.00					91	1527	62	622		1.92	65.88	1203
9 4	88	1540	63	537	66	0.00			1.39		95	1505	62	701		2.95	52.85	1218
9 5	91	1510	61	444	65	0.00			1.19		97	1438	65	642		1.53	53.01	1210
9 6	89	1318	65	700	70	0.00			1.02	1.39	97	1457	65	701		1.96	51.53	1307
9 7	89	1407	66	410	69	0.00			1.20	1.58	96	1424	68	615		4.51	49.33	1229
9 8	91	1359	65	607	69	0.00					98	1456	68	642		5.04	49.02	1218
9 9	91	1346	61	606	64	0.00					98	1441	65	615		3.58	49.43	1211
9 10	89	1553	64	700	73	0.00			1.09	1.47	96	1450	65	700		1.60	72.76	1258
9 11	92	1419	72	410	73	0.48			1.78		97	1435	73	701		2.05	60.76	1149
9 12	77	1026	60	624	64	0.05			1.77		80	1622	62	643		2.77	23.27	1011
9 13	80	1603	53	553	56	0.00			1.57		88	1455	58	643		2.44	53.54	1209
9 14	81	1314	56	700	67	0.00			1.42		87	1535	58	700		2.62	65.51	1233
9 15	78	1144	63	512	64	0.41					79	1448	66	700		3.12	42.12	908
9 16	71	1417	44	558	48	0.00					83	1420	49	631		4.19	54.49	1150
9 17	69	1500	44	554	49	0.00			1.34		83	1517	49	703		2.29	58.74	1136
9 18	72	1423	47	608	51	0.00			1.19		84	1458	50	701		2.18	55.96	1235
9 19	73	1242	51	702	55	0.00			1.06		82	1510	52	703		2.31	70.06	1123
9 20	78	1422	53	633	54	0.00			0.93	2.24	88	1424	55	701		2.11	65.88	1102
9 21	74	1312	54	700	58	0.00			2.18		76	1549	57	702		0.64	38.67	1304
9 22	82	1428	58	701	71	0.00					87	1433	62	701		2.28	61.30	1306
9 23	86	1559	65	624	67	0.00					89	1602	68	656		2.59	63.61	1143
9 24	86	1437	50	619	53	0.00			1.67		90	1439	56	642		2.54	50.66	1151
9 25	83	1522	53	700	59	0.00			1.52		88	1455	56	702		1.56	49.17	1218
9 26	88	1420	59	700	65	0.00					89	1443	59	701		3.50	47.25	1220
9 27	92	1418	64	633	65	0.00			1.14		92	1423	63	703		3.02	45.04	1201
9 28	87	1515	65	700	67	0.00			1.00	1.38	88	1532	66	701		2.99	53.25	1239
9 29	81	1308	55	602	57	0.00					84	1358	52	658		5.03	53.13	936
9 30	78	1509	48	622	49	0.00					84	1508	52	702		3.00	47.44	1225
Average	83		58		62	Total	0.94	0.0			89		60			2.75	53.91	
						Greatest	0.48											

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD				7:00 AM		September 2007		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 occurance	minimum	time occurance	present					INCHES	reading after	maximum	time occurance	minimum	time occurance			watts per sq ft	time occurance	
10 1	80	1421	49	700	51		0.00			0.81	1.19	85	1438	53	700		1.78	48.06	1220	
10 2	76	1410	51	700	56		0.00			1.05	1.43	81	1436	54	701		2.40	63.19	1159	
10 3	80	1408	56	700	68		0.00			1.28	1.64	86	1428	57	701		2.55	49.39	1131	
10 4	83	1355	63	233	67		0.00			1.55	1.92	87	1512	66	702		1.89	56.73	1221	
10 5	83	1546	63	43	68		0.00			1.89		83	1607	67	702		1.05	54.24	1410	
10 6	81	1306	61	302	66		0.00					86	1335	67	608		1.55	71.27	1136	
10 7	85	1433	61	647	62		0.00					86	1520	64	652		1.44	60.80	1201	
10 8	92	1425	62	701	66		0.00			1.51		92	1519	64	700		1.96	47.78	1147	
10 9	90	1523	66	701	68		0.00			1.37		90	1457	67	700		2.30	47.47	1027	
10 10	93	1326	67	637	67		0.00			1.23		88	1335	68	703		1.60	40.13	1208	
10 11	84	1344	55	625	56		0.00			1.01	1.47	86	1358	53	644		4.67	43.32	1236	
10 12	67	1410	52	111	55		0.00			1.32		69	1410	48	648		6.93	60.96	1222	
10 13	69	1254	42	122	43		0.00					72	1432	46	656		4.33	48.76	1121	
10 14	69	1505	38	609	39		0.00					72	1454	45	659		2.34	44.42	1320	
10 15	72	1429	39	700	42		0.00			0.91		74	1433	45	700		2.10	42.70	1222	
10 16	77	1503	42	700	48		0.00			2.39		77	1510	46	703		1.07	45.87	1321	
10 17	77	1400	49	700	52		0.00			2.28		77	1521	54	701		1.46	45.94	1206	
10 18	82	1414	52	701	59		0.00			2.15		79	1511	57	704		2.73	53.06	1252	
10 19	80	1424	59	707	72		0.00			2.05		78	1425	60	701		4.69	52.17	1143	
10 20	77	1259	52	650	52		0.77					78	1516	58	658		4.89	36.35	1235	
10 21	73	1317	43	649	44		0.00					74	1401	50	653		2.58	55.53	1300	
10 22	80	1452	44	702	51		0.00			2.42		77	1500	50	715		2.37	42.31	1152	
10 23	81	1413	50	703	68		0.00			2.26		78	1431	53	709		5.72	42.65	1158	
10 24	80	1456	64	646	64		0.22			2.37		76	1455	63	700		7.14	52.21	1146	
10 25	66	1158	53	427	53		1.66			3.92		69	1237	55	650		5.17	18.26	1156	
10 26	56	342	51	906	55		0.20			4.09	2.45	56	1413	54	1026		6.55	10.27	1056	
10 27	69	654	55	716	69		2.89					63	700	55	701		3.56	5.61	1216	
10 28	70	1500	49	501	52		0.00			5.20	3..41	74	1519	51	658		4.05	57.55	1036	
10 29	59	1425	32	646	33		0.00			3.14		66	1507	40	659		3.81	44.56	1154	
10 30	59	1503	33	700	33		0.00					64	1507	40	706		1.24	44.03	1206	
10 31	66	1452	33	700	37		0.00					65	1505	41	703		0.98	42.31	1154	
Average	76		51		55	Total	5.74	0.0				77		55			3.13	46.06		
						Greatest	2.89													

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD					7:00 AM		November 2007		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 occurene
	maximum	time occurance	minimum	time occurance	present				INCHES	reading after	maximum	time occurance	minimum	time occurance					
11 1	69	1416	37	700	56	0.00					68	1505	43	712		4.38	45.81	1007	
11 2	74	1420	39	558	40	0.00					69	1450	42	700		3.17	51.83	1213	
11 3	56	1356	40	701	46	0.00					61	1436	42	753		6.35	45.29	1033	
11 4	63	1456	41	658	42	0.00					61	1503	41	657		3.13	48.32	1202	
11 5	60	1349	34	119	35	0.00					61	1441	39	655		1.58	47.39	1145	
11 6	63	1418	35	702	48	0.20					62	1440	39	708		5.95	34.58	1227	
11 7	57	1328	35	315	39	0.00					59	1401	38	649		5.18	44.66	1314	
11 8	52	1431	28	700	28	0.00					56	1445	37	825		3.38	51.26	1145	
11 9	48	1416	28	701	34	0.00					52	1504	37	703		0.79	37.38	1223	
11 10	46	1419	34	704	40	0.00					48	1427	38	702		1.73	22.63	1417	
11 11	49	1433	30	635	30	0.00					53	1452	37	659		3.21	45.25	1215	
11 12	53	1434	29	710	43	T					57	1527	37	749		1.11	39.14	1152	
11 13	52	1504	43	706	47	0.00					54	1535	44	723		0.84	36.03	1243	
11 14	64	1443	40	228	46	0.44					63	1609	46	555		0.68	36.50	1128	
11 15	69	1447	46	700	51	0.42					66	1454	47	700		6.10	36.30	1156	
11 16	51	700	39	129	40	0.38					57	700	38	652		5.83	28.12	1449	
11 17	47	1304	32	11	36	0.00					53	1430	36	653		5.32	54.88	1156	
11 18	53	1407	36	726	42	0.00					53	1513	36	710		2.78	48.63	1243	
11 19	56	1121	40	624	40	0.00					59	1453	41	720		4.91	51.41	1158	
11 20	45	659	40	713	45	0.00					46	1527	42	804		2.40	9.45	1111	
11 21	61	1505	44	2252	47	0.00					59	1540	44	702		2.51	49.75	1244	
11 22	77	1354	46	713	61	0.00					71	1432	47	733		5.59	45.57	1044	
11 23	76	1449	36	547	37	0.00					71	1453	36	659		9.86	54.58	1245	
11 24	45	1420	22	657	22	0.00					51	1426	34	652		3.85	44.60	1301	
11 25	45	1513	22	707	35	0.00					46	1524	34	732		1.35	45.22	1144	
11 26	54	1332	34	720	45	0.05					51	1529	36	736		2.63	52.83	1212	
11 27	64	17	45	700	56	0.02					59	45	44	707		6.90	19.61	1202	
11 28	56	700	37	646	37	0.00					57	1415	36	658		5.75	54.90	1100	
11 29	49	1506	33	137	38	0.00					53	1451	35	652		2.63	44.94	1307	
11 30	59	1431	35	453	35	0.00					52	1535	35	644		4.71	58.21	1227	
Average	57		36		41	Total	1.51	0.0			58		39			3.82	42.84		
						Greatest	0.44												

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

UPPER MARLBORO		PRINCE GEORGE MD					7:00 AM	December 2007		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 occurance	minimum	time occurance	present					INCHES	reading after	maximum	time occurance	minimum	time occurance			watts per sq ft	time occurance	
12 1	52	1504	25	214	35		0.00					52	1602	34	806		1.79	45.62	1249	
12 2	43	1435	33	647	33		0.00					45	1543	34	734		3.47	55.96	1211	
12 3	49	654	33	701	49		0.33					43	659	34	806		4.03	13.79	1325	
12 4	51	915	33	659	33		0.00					50	1329	33	647		12.71	55.21	1218	
12 5	40	1423	24	147	28		T					43	1432	32	844		5.19	45.74	1158	
12 6	32	1613	19	700	19		0.20					36	1359	32	657		1.75	7.78	930	
12 7	35	1452	16	142	20		0.00					40	1421	32	419		1.38	39.35	1216	
12 8	35	1427	20	707	35		0.15					35	1428	32	701		1.21	18.23	1110	
12 9	51	1503	34	2207	39		0.07					43	1442	33	709		0.63	47.42	1144	
12 10	41	1516	39	708	40		0.08					40	1426	37	859		0.87	9.63	1152	
12 11	56	1321	40	706	43		0.00					54	1559	39	702		1.64	45.02	1142	
12 12	56	522	43	704	55		0.00					50	1539	46	840		4.03	9.75	1214	
12 13	63	949	39	642	39		0.00					59	1414	41	633		4.98	32.16	946	
12 14	39	738	34	1240	38		0.05					42	703	39	426		1.12	6.96	1457	
12 15	53	1358	27	545	28		0.79					55	1449	35	659		2.49	35.99	1222	
12 16	40	659	28	700	40		0.08					40	1213	35	811		4.26	26.12	1155	
12 17	44	1641	31	648	32		0.00					44	1613	33	658		9.83	33.36	1435	
12 18	40	1424	19	605	20		0.00					45	1501	32	737		5.24	49.83	1222	
12 19	41	1400	19	721	33		0.00					42	1426	33	810		2.08	36.19	1213	
12 20	41	1527	24	700	24		0.00					39	1551	33	657		1.52	14.53	1109	
12 21	48	1439	24	707	33		0.00					46	1452	33	805		1.22	32.66	1228	
12 22	43	1338	33	710	39		0.00					42	1557	35	756		2.08	17.75	1522	
12 23	45	2010	38	856	43		0.00					46	1508	39	746		1.75	13.71	905	
12 24	63	1834	31	659	31		0.14					57	1933	40	659		6.60	8.43	1314	
12 25	52	1354	29	741	30		0.00					52	1505	37	659		3.16	39.64	1336	
12 26	50	1241	27	133	34		0.00					48	1409	36	700		1.40	33.55	1150	
12 27	38	557	34	719	38		0.46					37	657	35	1250		3.15	3.62	1400	
12 28	56	1551	28	656	28		0.00					53	1516	37	725		2.09	33.26	1104	
12 29	49	444	28	726	48		0.49					46	1510	38	847		2.56	25.80	1200	
12 30	54	1522	32	700	32		0.27					54	1559	40	658		1.01	25.73	1456	
12 31	42	1135	32	741	34		0.29					42	1336	38	659		1.62	11.75	1016	
Average	47		30		35	Total	3.40	0.0				46		36			3.12	28.21		
						Greatest	0.79													

S. No. 18-9070-4