

| Date | Time | Temp Out | Out Hum | Dew Pt. | Wind Dir | Hi Speed | Hi Dir | Heat Index | Bar | Rain per Minute | Total Rain | Rain Rate | Solar Rad. | Solar Energy | Hi Solar Rad. | Soil Moist. | Soil Temp 5 Inches | Ground Surface | Roof Temp | Soil Temp 12 inches | Leaf Wet Dew | Leaf Wet Heated | REMARKS |
|-----------|-------|----------|---------|---------|----------|----------|--------|------------|--------|-----------------|------------|-----------|------------|--------------|---------------|-------------|--------------------|----------------|-----------|---------------------|--------------|-----------------|---------------------------------|
| 8/10/2013 | 1:16p | 83.5 | 69 | 72.3 | ENE | 3 | NE | 89.3 | 30.011 | 0 | 0.00 | 0 | 220 | 0.32 | 220 | 33 | 81 | 82 | 91 | 78 | 0 | 0 | |
| 8/10/2013 | 1:17p | 83.5 | 70 | 72.7 | E | 7 | ENE | 89.7 | 30.008 | 0 | 0.00 | 0 | 232 | 0.33 | 232 | 33 | 81 | 82 | 92 | 78 | 0 | 0 | |
| 8/10/2013 | 1:18p | 83.5 | 71 | 73.1 | ESE | 5 | E | 90 | 30.003 | 0 | 0.00 | 0 | 269 | 0.39 | 269 | 33 | 81 | 82 | 93 | 78 | 0 | 0 | |
| 8/10/2013 | 1:19p | 83.5 | 70 | 72.7 | SE | 5 | E | 89.7 | 29.998 | 0 | 0.00 | 0 | 454 | 0.65 | 454 | 33 | 81 | 82 | 95 | 78 | 0 | 0 | |
| 8/10/2013 | 1:20p | 83.7 | 71 | 73.3 | E | 8 | E | 90.5 | 29.993 | 0 | 0.00 | 0 | 454 | 0.65 | 454 | 33 | 81 | 82 | 98 | 78 | 0 | 0 | |
| 8/10/2013 | 1:21p | 83.7 | 72 | 73.7 | E | 6 | E | 90.9 | 29.992 | 0 | 0.00 | 0 | 232 | 0.33 | 232 | 33 | 81 | 82 | 98 | 78 | 0 | 0 | |
| 8/10/2013 | 1:22p | 83.9 | 70 | 73.1 | ESE | 9 | E | 90.7 | 29.992 | 0 | 0.00 | 0 | 204 | 0.29 | 204 | 33 | 81 | 82 | 98 | 78 | 0 | 0 | |
| 8/10/2013 | 1:23p | 83.9 | 69 | 72.6 | ESE | 8 | ESE | 90.3 | 29.988 | 0 | 0.00 | 0 | 188 | 0.27 | 188 | 33 | 81 | 82 | 96 | 78 | 0 | 0 | 176 |
| 8/10/2013 | 1:24p | 83.9 | 70 | 73.1 | ESE | 8 | E | 90.7 | 29.988 | 0 | 0.00 | 0 | 181 | 0.26 | 181 | 33 | 81 | 82 | 96 | 78 | 0 | 0 | 174 |
| 8/10/2013 | 1:25p | 83.9 | 70 | 73.1 | ESE | 6 | E | 90.7 | 29.987 | 0 | 0.00 | 0 | 111 | 0.16 | 111 | 33 | 81 | 82 | 94 | 78 | 0 | 0 | |
| 8/10/2013 | 1:26p | 83.9 | 70 | 73.1 | E | 9 | ESE | 90.7 | 29.985 | 0 | 0.00 | 0 | 79 | 0.11 | 79 | 33 | 81 | 82 | 92 | 78 | 0 | 0 | |
| 8/10/2013 | 1:27p | 83.7 | 69 | 72.4 | ENE | 10 | ENE | 89.8 | 29.984 | 0 | 0.00 | 0 | 53 | 0.08 | 53 | 33 | 81 | 82 | 90 | 78 | 0 | 0 | |
| 8/10/2013 | 1:28p | 83.7 | 70 | 72.9 | ESE | 7 | NNE | 90.1 | 29.986 | 0 | 0.00 | 0 | 33 | 0.05 | 33 | 33 | 81 | 82 | 88 | 78 | 0 | 0 | |
| 8/10/2013 | 1:29p | 83.5 | 70 | 72.7 | ENE | 6 | NNE | 89.7 | 29.995 | 0 | 0.00 | 0 | 16 | 0.02 | 16 | 33 | 81 | 82 | 87 | 78 | 0 | 0 | |
| 8/10/2013 | 1:30p | 83.3 | 72 | 73.3 | WSW | 6 | W | 89.8 | 30.014 | 0 | 0.00 | 0 | 8 | 0.01 | 9 | 33 | 81 | 82 | 85 | 78 | 0 | 0 | |
| 8/10/2013 | 1:31p | 83.1 | 74 | 73.9 | WSW | 6 | SSE | 90 | 30.014 | 0 | 0.00 | 0 | 5 | 0.01 | 5 | 33 | 81 | 82 | 84 | 78 | 0 | 0 | |
| 8/10/2013 | 1:32p | 82.9 | 74 | 73.8 | SW | 17 | S | 89.5 | 30.041 | 0 | 0.00 | 0 | 5 | 0.01 | 5 | 33 | 81 | 81 | 83 | 78 | 0 | 0 | |
| 8/10/2013 | 1:33p | 82.5 | 72 | 72.6 | NNE | 16 | SSE | 87.9 | 30.05 | 0 | 0.00 | 0 | 5 | 0.01 | 5 | 33 | 81 | 81 | 81 | 78 | 3 | 1 | |
| 8/10/2013 | 1:34p | 82.1 | 70 | 71.3 | NW | 15 | SSW | 86.5 | 30.05 | 0.02 | 0.02 | 0 | 5 | 0.01 | 5 | 33 | 81 | 81 | 78 | 78 | 15 | 15 | Rainfall Started |
| 8/10/2013 | 1:35p | 81.3 | 74 | 72.2 | NNE | 15 | WNW | 85.8 | 30.06 | 0.05 | 0.07 | 6.33 | 0 | 0 | 0 | 33 | 81 | 81 | 78 | 78 | 14 | 15 | Amt. 0.05 |
| 8/10/2013 | 1:36p | 80.6 | 75 | 71.9 | N | 14 | NE | 84.7 | 30.073 | 0.09 | 0.16 | 7.29 | 0 | 0 | 0 | 33 | 81 | 81 | 71 | 78 | 15 | 15 | Min. 1 |
| 8/10/2013 | 1:37p | 79.5 | 77 | 71.7 | NNE | 22 | NNE | 83.1 | 30.08 | 0.13 | 0.29 | 13.09 | 0 | 0 | 0 | 33 | 81 | 81 | 70 | 78 | 15 | 15 | 0.09 2 |
| 8/10/2013 | 1:38p | 78.7 | 78 | 71.3 | NW | 22 | NNE | 82.1 | 30.078 | 0.16 | 0.45 | 18.00 | 0 | 0 | 0 | 33 | 81 | 77 | 70 | 78 | 15 | 15 | 0.13 3 |
| 8/10/2013 | 1:39p | 77.7 | 79 | 70.7 | NNW | 37 | NNW | 80.8 | 30.075 | 0.14 | 0.59 | 18.00 | 0 | 0 | 0 | 33 | 81 | 74 | 70 | 78 | 15 | 15 | 0.67 inches in 5 Mins. 0.16 4 |
| 8/10/2013 | 1:40p | 76.6 | 79 | 69.6 | NNE | 37 | NNW | 79.5 | 30.072 | 0.12 | 0.71 | 17.45 | 5 | 0.01 | 5 | 33 | 81 | 73 | 69 | 78 | 15 | 15 | 0.14 5 |
| 8/10/2013 | 1:41p | 75.7 | 81 | 69.5 | NNE | 23 | NE | 78.6 | 30.056 | 0.12 | 0.83 | 17.45 | 7 | 0.01 | 7 | 19 | 81 | 72 | 68 | 78 | 15 | 15 | 0.12 6 |
| 8/10/2013 | 1:42p | 75 | 82 | 69.1 | NNE | 21 | ENE | 77.7 | 30.055 | 0.03 | 0.86 | 9.29 | 9 | 0.01 | 9 | 14 | 81 | 72 | 69 | 78 | 15 | 15 | 0.12 7 |
| 8/10/2013 | 1:43p | 74.5 | 83 | 69.0 | NNE | 20 | NE | 77 | 30.056 | 0.03 | 0.89 | 2.56 | 9 | 0.01 | 9 | 13 | 81 | 72 | 69 | 78 | 14 | 15 | 0.03 8 |
| 8/10/2013 | 1:44p | 74 | 85 | 69.2 | NNE | 14 | NE | 76.2 | 30.059 | 0.05 | 0.94 | 2.81 | 9 | 0.01 | 9 | 13 | 81 | 72 | 69 | 78 | 14 | 15 | 0.03 9 |
| 8/10/2013 | 1:45p | 73.6 | 86 | 69.2 | NNE | 13 | NE | 75.8 | 30.059 | 0.04 | 0.98 | 4 | 11 | 0.02 | 11 | 13 | 81 | 72 | 69 | 79 | 13 | 15 | 0.05 10 |
| 8/10/2013 | 1:46p | 73.1 | 87 | 69.0 | NNE | 11 | NNE | 75.4 | 30.062 | 0.02 | 1.00 | 2.59 | 11 | 0.02 | 11 | 13 | 81 | 72 | 69 | 79 | 14 | 15 | 1.07 inches in 15 Mins. 0.04 11 |
| 8/10/2013 | 1:47p | 72.8 | 88 | 69.0 | NNE | 8 | N | 75.1 | 30.062 | 0.04 | 1.04 | 2.25 | 11 | 0.02 | 11 | 13 | 80 | 72 | 69 | 79 | 12 | 15 | 0.02 12 |
| 8/10/2013 | 1:48p | 72.6 | 89 | 69.2 | N | 8 | NNE | 74.9 | 30.059 | 0.02 | 1.06 | 2.25 | 12 | 0.02 | 12 | 13 | 80 | 72 | 69 | 79 | 12 | 15 | 0.04 13 |
| 8/10/2013 | 1:49p | 72.4 | 89 | 69 | NNW | 4 | N | 74.6 | 30.055 | 0.03 | 1.09 | 2.14 | 14 | 0.02 | 14 | 13 | 80 | 72 | 69 | 79 | 11 | 15 | 0.02 14 |
| 8/10/2013 | 1:50p | 72.2 | 90 | 69.1 | NE | 6 | NNE | 74.5 | 30.05 | 0.02 | 1.11 | 2.08 | 16 | 0.02 | 16 | 14 | 80 | 71 | 70 | 79 | 11 | 15 | 0.03 15 |
| 8/10/2013 | 1:51p | 72.2 | 90 | 69.1 | NE | 4 | NE | 74.5 | 30.047 | 0.03 | 1.14 | 2.08 | 18 | 0.03 | 18 | 13 | 80 | 71 | 69 | 79 | 11 | 15 | Sum 1.07 |
| 8/10/2013 | 1:52p | 72.2 | 91 | 69.4 | NNE | 5 | E | 74.6 | 30.041 | 0.03 | 1.17 | 1.68 | 21 | 0.03 | 21 | 13 | 80 | 71 | 69 | 79 | 11 | 15 | |
| 8/10/2013 | 1:53p | 72.1 | 91 | 69.3 | NE | 5 | NNE | 74.4 | 30.035 | 0.01 | 1.18 | 1.2 | 25 | 0.04 | 25 | 13 | 80 | 71 | 69 | 79 | 11 | 15 | |
| 8/10/2013 | 1:54p | 72.1 | 91 | 69.3 | ENE | 3 | ENE | 74.4 | 30.033 | 0.01 | 1.19 | 0.71 | 30 | 0.04 | 32 | 13 | 80 | 71 | 70 | 79 | 12 | 15 | |
| 8/10/2013 | 1:55p | 71.9 | 92 | 69.4 | ENE | 5 | NE | 74.3 | 30.032 | 0.01 | 1.20 | 0.61 | 35 | 0.05 | 35 | 13 | 80 | 72 | 70 | 79 | 11 | 15 | |
| 8/10/2013 | 1:56p | 71.9 | 92 | 69.4 | ENE | 6 | E | 74.3 | 30.032 | 0.01 | 1.21 | 0.59 | 40 | 0.06 | 40 | 13 | 80 | 72 | 70 | 79 | 12 | 15 | |
| 8/10/2013 | 1:57p | 71.9 | 92 | 69.4 | N | 5 | E | 74.3 | 30.030 | 0.01 | 1.22 | 0.63 | 44 | 0.06 | 44 | 13 | 80 | 72 | 70 | 79 | 10 | 15 | |
| 8/10/2013 | 1:58p | 71.7 | 92 | 69.3 | N | 7 | N | 74.1 | 30.030 | 0.01 | 1.23 | 0.66 | 51 | 0.07 | 51 | 14 | 80 | 72 | 70 | 79 | 11 | 15 | |
| 8/10/2013 | 1:59p | 71.7 | 92 | 69.3 | NNE | 7 | NNE | 74.1 | 30.032 | 0.01 | 1.24 | 0.66 | 58 | 0.08 | 60 | 14 | 80 | 72 | 70 | 79 | 11 | 15 | |
| 8/10/2013 | 2:00p | 71.6 | 92 | 69.2 | NNW | 6 | NNW | 74.0 | 30.031 | 0 | 1.24 | 0.35 | 65 | 0.09 | 65 | 14 | 80 | 72 | 70 | 79 | 12 | 15 | |
| 8/10/2013 | 2:01p | 71.7 | 92 | 69.3 | NNW | 6 | NNW | 74.1 | 30.031 | 0 | 1.24 | 0.22 | 65 | 0.09 | 65 | 14 | 80 | 72 | 70 | 79 | 13 | 15 | |
| 8/10/2013 | 2:02p | 71.6 | 93 | 69.5 | --- | 0 | --- | 74.1 | 30.035 | 0.01 | 1.25 | 0.22 | 74 | 0.11 | 74 | 14 | 80 | 72 | 71 | 79 | 13 | 15 | |
| 8/10/2013 | 2:03p | 71.6 | 93 | 69.5 | --- | 0 | --- | 74.1 | 30.036 | 0 | 1.25 | 0.17 | 84 | 0.12 | 84 | 14 | 80 | 72 | 71 | 79 | 13 | 15 | |
| 8/10/2013 | 2:04p | 71.6 | 93 | 69.5 | N | 1 | N | 74.1 | 30.039 | 0 | 1.25 | 0.17 | 98 | 0.14 | 98 | 14 | 80 | 72 | 72 | 79 | 14 | 15 | |
| 8/10/2013 | 2:05p | 71.7 | 94 | 69.9 | N | 3 | N | 74.4 | 30.039 | 0 | 1.25 | 0.17 | 145 | 0.21 | 165 | 14 | 80 | 73 | 73 | 79 | 14 | 15 | |
| 8/10/2013 | 2:06p | 71.7 | 94 | 69.9 | NNE | 4 | NNE | 74.4 | 30.037 | 0.01 | 1.26 | 0.17 | 232 | 0.33 | 232 | 14 | 80 | 73 | 74 | 79 | 15 | 15 | |
| 8/10/2013 | 2:07p | 71.9 | 94 | 70.1 | NNE | 3 | NNE | 74.6 | 30.036 | 0 | 1.26 | 0.16 | 232 | 0.33 | 232 | 14 | 80 | 73 | 74 | 79 | 14 | 15 | |
| 8/10/2013 | 2:08p | 71.9 | 94 | 70.1 | NNE | 2 | NNE | 74.6 | 30.036 | 0 | 1.26 | 0.16 | 381 | 0.55 | 381 | 14 | 79 | 73 | 76 | 79 | 14 | 15 | |
| 8/10/2013 | 2:09p | 72.1 | 94 | 70.3 | ESE | 2 | ESE | 74.8 | 30.033 | 0.01 | 1.27 | 0.2 | 376 | 0.54 | 376 | 14 | 79 | 73 | 78 | 79 | 14 | 15 | |
| 8/10/2013 | 2:10p | 72.2 | 95.0 | 70.7 | ESE | 3 | ESE | 75 | 30.031 | 0 | 1.27 | 0.2 | 376 | 0.54 | 376 | 14 | 79 | 73 | 78 | 79 | 15 | 15 | |
| 8/10/2013 | 2:11p | 72.4 | 95.0 | 70.9 | ESE | 4 | ESE | 75.2 | 30.029 | 0 | 1.27 | 0.25 | 415 | 0.59 | 415 | 14 | 80 | 73 | 81 | 79 | 15 | 15 | |
| 8/10/2013 | 2:12p | 72.6 | 95.0 | 71.1 | SE | 2 | SE | 75.4 | 30.028 | 0.01 | 1.28 | 0.25 | 327 | 0.47 | 327 | 14 | 79 | 73 | 80 | 79 | 15 | 15 | |
| 8/10/2013 | 2:13p | 72.6 | 95.0 | 71.1 | SE | 2 | SE | 75.4 | 30.029 | 0 | 1.28 | 0.25 | 269 | 0.39 | 269 | 14 | 80 | 73 | 79 | 79 | 15 | 15 | |
| 8/10/2013 | 2:14p | 72.8 | 94 | 71 | SE | 1 | SE | 75.5 | 30.031 | 0 | 1.28 | 0.19 | 244 | 0.35 | 244 | 14 | 79 | 74 | 78 | 79 | 15 | 15 | |
| 8/10/2013 | 2:15p | 72.8 | 94 | 71 | ESE | 2 | ESE | 75.5 | 30.033 | 0 | 1.28 | 0.14 | 221 | 0.32 | 221 | 14 | 79 | 74 | 79 | 79 | 15 | 15 | |
| 8/10/2013 | 2:16p | 72.8 | 94 | 71 | NNW | 3 | NE | 75.5 | 30.034 | 0 | 1.28 | 0.12 | 204 | 0.29 | 204 | 14 | 79 | 74 | 78 | 79 | 15 | 15 | |
| 8/10/2013 | 2:17p | 72.8 | 94 | 71 | NNE | 3 | N | 75.5 | 30.035 | 0 | 1.28 | 0.1 | 188 | 0.27 | 193 | 14 | 79 | 74 | 77 | 79 | 15 | 15 | |
| 8/10/2013 | 2:18p | 72.8 | 94 | 71 | NNE | 3 | NNE | 75.5 | 30.033 | 0 | 1. | | | | | | | | | | | | |