

## ULTRAVIOLET LIGHT INTENSITY IN PUERTO RICO. II

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In June, 1931, the writer published in collaboration with E. B. McKinley the first paper on Ultraviolet Light Intensity of the Sun in Puerto Rico.<sup>1</sup> In this paper was reported a six-month period beginning October 16th, 1930, and ending March 31st, 1931. The readings indicate a high level of solar ultraviolet light radiation in San Juan.

The work was continued for a five-month period starting April 1st, 1931, to August 31st, 1931. The month of September could not be included, due to the fact that there was stormy weather throughout the month, and there was not one clear day recorded.

In the following tables appear readings of the ultraviolet light intensity of the sun for the months already mentioned:

(Refer to tables on the next pages)

The maximum figure obtained is 10.96 mg. of oxalic acid decomposed per sq. cm. for one hour; this period was on June 18th, 1931. This figure approximates very closely that obtained at The Texas Agricultural Experiment Station, College Station, Texas,<sup>2</sup> in the summer of 1931, which was 10.81 mg.

### SUMMARY

Solar radiation in San Juan, Puerto Rico, as measured by the oxalic-acid uranyl sulphate method was continued for a five-month period beginning April 1st, 1931, and ending August 31st, 1931. The maximum reading was on June 18th, 1931, which reached 10.96 mg. of oxalic acid decomposition.

### REFERENCES

1. HERNÁNDEZ, L. G. and MCKINLEY, E. B.: Ultraviolet Light Intensity of the Sun in Puerto Rico. *P. R. Jour. Pub. Health & Trop. Med.* 6: 401.
2. Private communication from Miss Mary Anna Grimes, Texas Agricultural Experiment Station, Texas.

TABLE VIII  
APRIL, 1931

| April       | 9-10 | 10-11 | 11-12 | 12-1  | 1-2  | 2-3  | 3-4  | Aver.<br>for<br>7 hrs. | Max.  | Min. | Remarks                |
|-------------|------|-------|-------|-------|------|------|------|------------------------|-------|------|------------------------|
| 1.....      | 5.17 | 5.62  | 4.79  | 4.66  | 4.35 | 3.53 | 5.62 | 4.82                   | 5.62  | 3.53 | Cloudy                 |
| 2.....      | 3.84 | 3.84  | 4.22  | 3.84  | 6.92 | 5.29 | 4.22 | 4.59                   | 6.92  | 3.84 | Cloudy                 |
| 3.....      | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Holiday (Good Friday)  |
| 4.....      | 4.60 | 5.29  | 7.06  | —     | —    | —    | —    | 5.65                   | 7.06  | 4.60 | Cloudy, rain, Saturday |
| 5.....      | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Sunday                 |
| 6.....      | 6.81 | 8.51  | 8.19  | 9.14  | 8.19 | 8.25 | 7.44 | 8.07                   | 9.14  | 6.81 | Light clouds passing   |
| 7.....      | 7.81 | 8.06  | 4.79  | 6.11  | 5.99 | 4.66 | 0.76 | 5.45                   | 8.06  | 0.76 | Cloudy and rain        |
| 8.....      | 7.31 | 9.58  | 9.89  | 10.43 | 9.51 | 9.83 | 7.81 | 9.19                   | 10.43 | 7.31 | Clear                  |
| 9.....      | 8.19 | 4.92  | 9.07  | 8.63  | 7.31 | 9.64 | 8.40 | 8.02                   | 9.64  | 7.31 | Cloudy                 |
| 10.....     | 8.25 | 9.58  | 9.58  | 10.59 | 9.14 | 9.58 | 8.00 | 9.24                   | 10.59 | 8.00 | Clear                  |
| 11.....     | 7.44 | 8.19  | 5.73  | —     | —    | —    | —    | 7.12                   | 8.19  | 5.73 | Cloudy, Saturday       |
| 12.....     | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Sunday                 |
| 13.....     | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Very cloudy day        |
| 14.....     | 6.99 | 7.12  | 7.75  | 8.40  | 8.63 | 8.25 | 6.62 | 7.68                   | 8.63  | 6.62 | Light clouds passing   |
| 15.....     | 5.29 | 6.11  | 8.19  | 7.25  | 6.80 | 7.25 | 8.12 | 7.00                   | 8.19  | 5.29 | Cloudy                 |
| 16.....     | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Holiday (De Diego)     |
| 17.....     | 6.01 | 7.06  | 8.38  | 7.56  | 7.69 | 3.40 | 2.91 | 6.14                   | 8.38  | 2.91 | Cloudy                 |
| 18.....     | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Cloudy, rain, Saturday |
| 19.....     | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Sunday                 |
| 20.....     | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Cloudy, rain           |
| 21.....     | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Cloudy, rain           |
| 22.....     | 4.73 | 5.92  | 7.75  | 5.92  | 6.62 | 5.80 | 1.32 | 5.43                   | 7.75  | 1.32 | Cloudy, rain           |
| 23.....     | 4.35 | 8.00  | 8.32  | 8.25  | 8.31 | 3.47 | 2.41 | 6.15                   | 8.32  | 2.41 | Cloudy, rain           |
| 24.....     | 6.99 | 8.25  | 8.00  | 8.50  | 8.19 | 5.61 | 1.26 | 6.68                   | 8.50  | 1.26 | Cloudy, rain           |
| 25.....     | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Heavy rain, Saturday   |
| 26.....     | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Sunday                 |
| 27.....     | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Very cloudy            |
| 28.....     | 7.69 | 7.11  | 7.31  | 8.69  | 6.81 | 4.44 | 3.15 | 6.45                   | 8.69  | 3.15 | Cloudy                 |
| 29.....     | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Cloudy, rain           |
| 30.....     | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Cloudy, rain           |
| Averages... | 6.34 | 7.07  | 7.43  | 7.71  | 7.46 | 6.35 | 4.86 | 6.73                   | 8.38  | 4.42 |                        |

TABLE IX  
MAY, 1931

| May         | 9-10 | 10-11 | 11-12 | 12-1 | 1-2  | 2-3  | 3-4  | Aver.<br>for<br>7 hrs. | Max. | Min. | Remarks                |
|-------------|------|-------|-------|------|------|------|------|------------------------|------|------|------------------------|
| 1.          | 3.84 | 6.55  | 7.12  | 7.31 | 8.25 | 6.30 | 3.81 | 6.16                   | 8.25 | 3.81 | Cloudy                 |
| 2.          | —    | —     | —     | —    | —    | —    | —    | —                      | —    | —    | Cloudy, rain, Saturday |
| 3.          | —    | —     | —     | —    | —    | —    | —    | —                      | —    | —    | Sunday                 |
| 4.          | 5.67 | 7.31  | 4.28  | 7.24 | 7.56 | 7.37 | 5.86 | 6.47                   | 7.56 | 4.28 | Cloudy                 |
| 5.          | 3.34 | 4.28  | 5.04  | 4.98 | 6.55 | 7.07 | 6.17 | 5.34                   | 7.07 | 3.34 | Cloudy                 |
| 6.          | 7.37 | 7.75  | 7.69  | 6.36 | 8.41 | 7.26 | 4.73 | 7.08                   | 8.41 | 4.73 | Cloudy noon            |
| 7.          | 7.12 | 6.99  | 6.69  | 1.70 | 3.62 | 3.62 | 3.40 | 4.73                   | 7.12 | 1.70 | Rain all day           |
| 8.          | 7.56 | 6.99  | 4.03  | 7.06 | 9.51 | 9.13 | 5.54 | 7.11                   | 9.51 | 5.54 | Light clouds passing   |
| 9.          | 6.69 | 6.93  | 7.18  | —    | —    | —    | —    | 6.93                   | 7.18 | 6.69 | Cloudy, Saturday       |
| 10.         | —    | —     | —     | —    | —    | —    | —    | —                      | —    | —    | Sunday                 |
| 11.         | 7.39 | 6.99  | 8.57  | 8.06 | 8.69 | 3.91 | 0.82 | 6.34                   | 8.69 | 0.82 | Cloudy                 |
| 12.         | 6.68 | 6.99  | 8.44  | 7.18 | 9.14 | 6.62 | 5.67 | 7.24                   | 9.14 | 5.67 | Light clouds passing   |
| 13.         | 6.69 | 3.04  | 4.65  | 6.49 | 4.54 | 5.67 | 7.06 | 5.44                   | 7.06 | 3.03 | Cloudy                 |
| 14.         | 6.74 | 7.18  | 8.13  | 8.13 | 6.93 | 8.06 | 6.99 | 7.45                   | 8.13 | 6.74 | Clouds passing         |
| 15.         | 5.86 | 6.97  | 6.62  | 5.67 | 8.40 | 7.56 | 8.06 | 7.02                   | 8.40 | 5.67 | Clouds passing         |
| 16.         | 6.17 | 6.36  | 8.13  | —    | —    | —    | —    | 6.88                   | 8.13 | 6.17 | Light clouds passing   |
| 17.         | —    | —     | —     | —    | —    | —    | —    | —                      | —    | —    | Sunday                 |
| 18.         | 5.23 | 7.11  | 8.51  | 8.63 | 5.04 | 3.97 | 0.82 | 5.61                   | 8.63 | 0.82 | Cloudy, rain           |
| 19.         | 7.43 | 7.50  | 9.83  | 9.20 | 9.26 | 9.01 | 8.07 | 8.61                   | 9.83 | 7.44 | Clear                  |
| 20.         | 6.81 | 7.94  | 8.44  | 9.07 | 8.69 | 5.80 | 6.93 | 7.66                   | 9.07 | 5.80 | Cloudy afternoon       |
| 21.         | —    | —     | —     | —    | —    | —    | —    | —                      | —    | —    | Rain all day           |
| 22.         | 5.36 | 7.56  | 8.63  | 8.50 | 8.50 | 6.99 | 1.20 | 6.69                   | 8.63 | 1.20 | Cloudy                 |
| 23.         | 7.06 | 8.06  | 7.75  | —    | —    | —    | —    | 7.62                   | 8.06 | 7.06 | Clear, Saturday        |
| 24.         | —    | —     | —     | —    | —    | —    | —    | —                      | —    | —    | Sunday                 |
| 25.         | —    | —     | —     | —    | —    | —    | —    | —                      | —    | —    | Cloudy, rain all day   |
| 26.         | —    | —     | —     | —    | —    | —    | —    | —                      | —    | —    | Cloudy, rain all day   |
| 27.         | —    | —     | —     | —    | —    | —    | —    | —                      | —    | —    | Cloudy, rain all day   |
| 28.         | —    | —     | —     | —    | —    | —    | —    | —                      | —    | —    | Cloudy, rain all day   |
| 29.         | —    | —     | —     | —    | —    | —    | —    | —                      | —    | —    | Cloudy                 |
| 30.         | 3.34 | 4.28  | 5.04  | 6.49 | 8.50 | 8.06 | 6.17 | 7.19                   | 8.50 | 3.34 | Holiday, Memorial Day  |
| 31.         | —    | —     | —     | —    | —    | —    | —    | —                      | —    | —    | Sunday                 |
| Averages... | 6.23 | 6.67  | 7.09  | 7.00 | 7.59 | 6.68 | 5.08 | 6.71                   | 8.29 | 4.41 |                        |

TABLE X  
JUNE, 1931

| June         | 9-10 | 10-11 | 11-12 | 12-1  | 1-2  | 2-3  | 3-4  | Aver.<br>for<br>7 hrs. | Max   | Min. | Remarks                |
|--------------|------|-------|-------|-------|------|------|------|------------------------|-------|------|------------------------|
| 1            | 8.88 | 10.02 | 9.89  | 8.41  | 9.26 | 8.88 | 8.63 | 9.28                   | 10.02 | 8.41 | Clouds passing by      |
| 2            | 9.01 | 10.02 | 10.08 | 10.71 | 9.40 | 9.01 | 8.40 | 9.51                   | 10.71 | 8.40 | Clear                  |
| 3            | 5.67 | 8.70  | 9.89  | 10.71 | 8.50 | 8.50 | 6.50 | 8.35                   | 10.71 | 5.67 | Clear                  |
| 4            | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Very cloudy            |
| 5            | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Cloudy, rain all day   |
| 6            | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Very cloudy, Saturday  |
| 7            | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Sunday                 |
| 8            | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Very cloudy            |
| 9            | 7.62 | 6.43  | 7.50  | 7.81  | 9.17 | 6.74 | 6.11 | 7.34                   | 9.17  | 6.11 | Light clouds passing   |
| 10           | 6.99 | 8.00  | 7.31  | 8.19  | 7.62 | 7.18 | 2.84 | 6.87                   | 8.19  | 2.84 | Cloudy                 |
| 11           | 5.80 | 7.12  | 6.87  | 9.83  | 6.11 | 7.88 | 5.29 | 6.98                   | 9.83  | 5.29 | Cloudy                 |
| 12           | 3.34 | 8.06  | 9.83  | 10.14 | 9.40 | 9.13 | 8.63 | 8.36                   | 10.14 | 3.34 | Cloudy                 |
| 13           | 7.56 | 6.99  | 2.84  | —     | —    | —    | —    | 5.79                   | 6.99  | 2.84 | Cloudy, rain, Saturday |
| 14           | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Sunday                 |
| 15           | 6.74 | 8.19  | 7.56  | 8.69  | 7.37 | 7.67 | 6.33 | 7.50                   | 8.69  | 6.74 | Clouds passing         |
| 16           | 7.62 | 8.70  | 6.99  | 6.62  | 8.41 | 9.01 | 8.13 | 7.99                   | 9.01  | 6.62 | Clouds passing         |
| 17           | 6.45 | 7.69  | 8.38  | 9.58  | 8.47 | 8.10 | 6.30 | 7.85                   | 9.58  | 6.30 | Clouds passing         |
| 18           | 6.18 | 7.69  | 6.93  | 10.96 | 7.43 | 6.49 | 5.43 | 7.30                   | 10.96 | 5.43 | Clouds passing         |
| 19           | 6.62 | 6.93  | 6.99  | 9.07  | 6.55 | 7.06 | 7.26 | 7.21                   | 9.07  | 6.62 | Clouds passing         |
| 20           | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Rain, Saturday         |
| 21           | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Sunday                 |
| 22           | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Rain                   |
| 23           | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Rain                   |
| 24           | 9.01 | 10.02 | 10.18 | 10.92 | 9.40 | 9.01 | 8.63 | 9.01                   | 10.92 | 8.63 | Clear                  |
| 25           | 4.28 | 3.04  | 3.34  | 0.76  | 1.20 | 3.40 | 5.67 | 3.09                   | 5.67  | 0.76 | Cloudy, rain           |
| 26           | 3.84 | 4.92  | 0.82  | 0.2   | 1.70 | 1.62 | 0.82 | 2.07                   | 4.92  | 0.82 | Cloudy, rain           |
| 27           | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Rain, Saturday         |
| 28           | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Sunday                 |
| 29           | 5.80 | 6.98  | 6.99  | 8.13  | 8.63 | 6.49 | 5.67 | 6.94                   | 8.63  | 5.67 | Cloudy                 |
| 30           | 6.18 | 6.43  | 7.56  | 9.07  | 6.55 | 5.83 | 1.20 | 6.11                   | 9.07  | 1.20 | Cloudy                 |
| Averages.... | 6.53 | 7.54  | 7.21  | 8.26  | 7.36 | 7.17 | 6.02 | 7.08                   | 9.01  | 5.09 |                        |

TABLE XI  
JULY, 1931

| July          | 9-10 | 10-11 | 11-12 | 12-1  | 1-2  | 2-3  | 3-4  | Aver.<br>for<br>7 hrs. | Max.  | Min. | Remarks           |
|---------------|------|-------|-------|-------|------|------|------|------------------------|-------|------|-------------------|
| 1.....        | 3.91 | 4.54  | 3.84  | 3.15  | 5.11 | 6.80 | 6.17 | 4.78                   | 6.80  | 3.15 | Cloudy, rain      |
| 2.....        | 5.80 | 6.80  | 7.18  | 7.12  | 7.18 | 7.88 | 5.22 | 6.74                   | 7.88  | 5.22 | Cloudy            |
| 3.....        | 5.70 | 8.30  | 7.12  | 8.25  | 8.95 | 8.19 | 6.24 | 7.53                   | 8.95  | 5.70 | Cloudy            |
| 4.....        | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Holiday, Saturday |
| 5.....        | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Sunday            |
| 6.....        | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Cloudy, rain      |
| 7.....        | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Cloudy, rain      |
| 8.....        | 3.34 | 3.84  | 2.84  | 6.49  | 7.56 | 7.07 | 5.29 | 5.79                   | 7.56  | 2.84 | Cloudy            |
| 9.....        | 4.70 | 7.40  | 3.74  | 2.71  | 5.10 | 6.62 | 6.30 | 5.23                   | 7.40  | 2.71 | Cloudy            |
| 10.....       | 6.20 | 7.94  | 7.31  | 8.88  | 9.39 | 7.94 | 6.61 | 7.75                   | 9.39  | 6.20 | Cloudy            |
| 11.....       | 8.88 | 10.02 | 9.83  | —     | —    | —    | —    | 9.57                   | 10.02 | 8.88 | Saturday          |
| 12.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Sunday            |
| 13.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Cloudy, rain      |
| 14.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Cloudy, rain      |
| 15.....       | 7.06 | 8.82  | 7.37  | 8.69  | 8.31 | 8.44 | 6.80 | 7.92                   | 8.82  | 6.80 | Cloudy            |
| 16.....       | 5.80 | 3.04  | 4.65  | 3.34  | 3.15 | 4.70 | 2.07 | 3.82                   | 5.80  | 2.07 | Cloudy, rain      |
| 17.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Holiday           |
| 18.....       | 7.50 | 8.19  | 7.31  | —     | —    | —    | —    | 7.66                   | 8.19  | 7.31 | Cloudy, Saturday  |
| 19.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Sunday            |
| 20.....       | 5.29 | 7.31  | 7.31  | 8.95  | 7.50 | 6.05 | 5.86 | 6.89                   | 8.95  | 5.29 | Cloudy            |
| 21.....       | 6.81 | 7.31  | 7.37  | 6.93  | 8.00 | 7.18 | 5.54 | 7.02                   | 8.00  | 5.54 | Cloudy            |
| 22.....       | 3.84 | 4.73  | 5.72  | 7.56  | 8.25 | 8.63 | 7.94 | 6.66                   | 8.63  | 3.84 | Cloudy            |
| 23.....       | 6.55 | 7.18  | 8.01  | 6.99  | 8.01 | 7.18 | 8.38 | 7.47                   | 8.38  | 6.55 | Cloudy            |
| 24.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Cloudy, rain      |
| 25.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Cloudy, rain      |
| 26.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Sunday            |
| 27.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Holiday           |
| 28.....       | 7.62 | 8.06  | 9.89  | 10.02 | 9.40 | 6.45 | 3.84 | 7.89                   | 10.02 | 3.84 | Cloudy            |
| 29.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Rain              |
| 30.....       | 4.35 | 5.92  | 7.31  | 6.05  | 7.67 | 6.93 | 6.05 | 6.32                   | 7.67  | 4.35 | Cloudy            |
| 31.....       | 4.73 | 4.92  | 7.06  | 3.84  | 5.11 | 5.48 | 6.30 | 5.34                   | 7.06  | 3.84 | Cloudy            |
| Averages..... | 5.77 | 6.72  | 6.69  | 6.59  | 7.24 | 7.02 | 5.90 | 6.72                   | 8.09  | 5.04 |                   |

TABLE XII  
AUGUST, 1931

| August        | 9-10 | 10-11 | 11-12 | 12-1  | 1-2  | 2-3  | 3-4  | Aver.<br>for<br>7 hrs. | Max.  | Min. | Remarks                                   |
|---------------|------|-------|-------|-------|------|------|------|------------------------|-------|------|-------------------------------------------|
| 1.....        | 3.84 | 5.79  | 5.82  | —     | —    | —    | —    | 5.15                   | 5.82  | 3.84 | Cloudy, Saturday                          |
| 2.....        | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Sunday                                    |
| 3.....        | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Very cloudy                               |
| 4.....        | 4.03 | 6.93  | 8.19  | 8.51  | 8.71 | 8.13 | 7.06 | 7.36                   | 8.71  | 4.03 | Cloudy                                    |
| 5.....        | 7.75 | 4.41  | 9.76  | 10.71 | 8.12 | 6.61 | 7.25 | 7.80                   | 10.71 | 4.41 | Cloudy                                    |
| 6.....        | 7.62 | 8.82  | 9.87  | 3.60  | 4.20 | 4.40 | 6.50 | 6.43                   | 9.87  | 4.20 | Cloudy                                    |
| 7.....        | 7.50 | 8.70  | 9.87  | 10.34 | 9.07 | 8.38 | 7.56 | 8.77                   | 10.34 | 7.50 | Clear                                     |
| 8.....        | 5.67 | 5.92  | 7.37  | —     | —    | —    | —    | 6.32                   | 7.35  | 5.67 | Saturday                                  |
| 9.....        | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Sunday                                    |
| 10.....       | 8.88 | 9.58  | 9.62  | 10.02 | 9.83 | 8.78 | 7.62 | 9.19                   | 10.02 | 7.62 | Clear                                     |
| 11.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Hurricane passing<br>250 miles away, rain |
| 12.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Cloudy, rain                              |
| 13.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Cloudy, rain                              |
| 14.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Hurricane passing                         |
| 15.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | 225 miles away, rain                      |
| 16.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Cloudy, rain                              |
| 17.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Sunday                                    |
| 18.....       | 2.71 | 4.60  | 7.10  | 9.82  | 7.80 | 7.70 | 6.30 | 6.57                   | 9.82  | 2.71 | Hurricane passing<br>150 miles away, rain |
| 19.....       | 5.47 | 8.40  | 9.10  | 9.70  | 8.40 | 5.70 | 5.10 | 7.41                   | 9.70  | 5.10 | Cloudy                                    |
| 20.....       | 6.60 | 8.10  | 9.45  | 10.59 | 9.00 | 8.40 | 6.60 | 8.39                   | 10.59 | 6.60 | Cloudy                                    |
| 21.....       | 8.00 | 9.06  | 9.76  | 10.14 | 9.30 | 8.25 | 7.60 | 8.87                   | 10.14 | 7.60 | Clear                                     |
| 22.....       | 8.82 | 9.06  | 9.37  | —     | —    | —    | —    | 9.08                   | 9.37  | 8.82 | Clear                                     |
| 23.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Saturday                                  |
| 24.....       | 6.20 | 7.69  | 8.88  | 9.70  | 8.95 | 7.18 | 6.24 | 7.83                   | 9.70  | 6.20 | Sunday                                    |
| 25.....       | 7.62 | 8.06  | 9.14  | 9.62  | 9.39 | 8.70 | 7.25 | 8.54                   | 9.62  | 7.25 | Clear                                     |
| 26.....       | 8.17 | 8.19  | 9.70  | 10.59 | 9.82 | 9.01 | 8.63 | 9.15                   | 10.59 | 8.17 | Clear                                     |
| 27.....       | 8.06 | 8.25  | 9.25  | 10.02 | 9.70 | 9.10 | 8.10 | 8.92                   | 10.02 | 8.06 | Clear                                     |
| 28.....       | 8.06 | 9.52  | 10.18 | 10.71 | 9.82 | 8.88 | 7.60 | 9.26                   | 10.71 | 7.60 | Clear                                     |
| 29.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Cloudy, Saturday                          |
| 30.....       | —    | —     | —     | —     | —    | —    | —    | —                      | —     | —    | Sunday                                    |
| 31.....       | 4.70 | 7.40  | 8.38  | 9.14  | 8.40 | 7.31 | 5.92 | 7.32                   | 9.14  | 4.70 | Cloudy                                    |
| Averages..... | 6.65 | 7.69  | 8.93  | 9.54  | 8.70 | 7.76 | 7.02 | 7.90                   | 9.56  | 6.11 |                                           |