

| PAGE #1          | JUNE 1994 BARCROFT HILLS STAT. LAT. 38°50'25"North LONG.77°09'58' West STAT. # 737 |        |         |       |        |         |        |         |       |       |        |         |         |         |         |       |       |
|------------------|------------------------------------------------------------------------------------|--------|---------|-------|--------|---------|--------|---------|-------|-------|--------|---------|---------|---------|---------|-------|-------|
| 1                | 2                                                                                  | 3      | 4       | 5     | 6      | 7       | 8      | 9       | 10    | 11    | 12     | 13      | 14      | 15      | 16      | 17    | 18    |
| 1994             | TEMP.                                                                              | HR.OF  | TEMP.   | HR.OF | TEMP.  | TEMP.   | MEAN   | GROUND  | SKY   | SKY   | PRECIP | MAX.IHR | MAX.5M  | FROZ.   | SNOW ON | START | END   |
| JUNE             | MAX.                                                                               | MAX.   | MIN.    | MIN.  | RANGE  | MEAN    | CHANGE | TEMP.   | AM    | PM    | MELTED | PRECIP. | PRECIP. | PRECIP. | GROUND  | TIME  | TIME  |
| 6-1-94           | 88                                                                                 | 16:30  | 62      | 6:31  | 26     | 75.0    | 2.5    | 62      | 0     | 1     |        |         |         |         |         |       |       |
| 6-2-94           | 78                                                                                 | 15:36  | 55      | 9:04  | 23     | 66.5    | -8.5   | 61      | 1     | 1     |        |         |         |         |         |       |       |
| 6-3-94           | 79                                                                                 | 16:13  | 49      | 6:23  | 30     | 64.0    | -2.5   | 61      | 0     | 0     |        |         |         |         |         |       |       |
| 6-4-94           | 86                                                                                 | 15:34  | 52      | 6:40  | 34     | 69.0    | 5.0    | 63      | 0     | 0     |        |         |         |         |         |       |       |
| 6-5-94           | 83                                                                                 | 15:17  | 63      | 6:59  | 20     | 73.0    | 4.0    | 62      | 2     | 1     |        |         |         |         |         |       |       |
| 6-6-94           | 87                                                                                 | 13:51  | 65      | 6:20  | 22     | 76.0    | 3.0    | 63      | 2     | 2     | .TR    |         |         |         |         | 1845  | 1855  |
| 6-7-94           | 94                                                                                 | 15:18  | 69      | 6:21  | 25     | 81.5    | 5.5    | 65      | 1     | 1     |        |         |         |         |         |       |       |
| 6-8-94           | 84                                                                                 | 15:09  | 60      | 0:00  | 24     | 72.0    | -9.5   | 65      | 2     | 2     | .TR    |         |         |         |         |       |       |
| 6-9-94           | 82                                                                                 | 16:50  | 52      | 7:00  | 30     | 67.0    | -5.0   | 65      | 1     | 0     |        |         |         |         |         |       |       |
| 6-10-94          | 85                                                                                 | 16:08  | 54      | 6:37  | 31     | 69.5    | 2.5    | 64      | 1     | 1     |        |         |         |         |         |       |       |
| 6-11-94          | 74                                                                                 | 18:15  | 63      | 6:58  | 11     | 68.5    | -1.0   | 64      | 2     | 2     | .TR    |         |         |         |         |       |       |
| 6-12-94          | 85                                                                                 | 14:22  | 67      | 6:55  | 18     | 76.0    | 7.5    | 64      | 2     | 1     |        |         |         |         |         |       |       |
| 6-13-94          | 95                                                                                 | 15:41  | 67      | 5:14  | 28     | 81.0    | 5.0    | 66      | 1     | 0     |        |         |         |         |         |       |       |
| 6-14-94          | 97                                                                                 | 15:56  | 71      | 5:55  | 26     | 84.0    | 3.0    | 67      | 0     | 0     |        |         |         |         |         |       |       |
| 6-15-94          | 97                                                                                 | 16:17  | 74      | 6:19  | 23     | 85.5    | 1.5    | 69      | 0     | 1     | .TR    |         |         |         |         |       |       |
| 6-16-94          | 94                                                                                 | 13:27  | 72      | 6:42  | 22     | 83.0    | -2.5   | 69      | 1     | 2     | 0.04   | 0.03    | 0.01    |         |         | 1430  | 1600  |
| 6-17-94          | 87                                                                                 | 15:36  | 69      | 2:54  | 18     | 78.0    | -5.0   | 68      | 2     | 1     |        |         |         |         |         |       |       |
| 6-18-94          | 92                                                                                 | 15:29  | 68      | 5:33  | 24     | 80.0    | 2.0    | 69      | 1     | 0     |        |         |         |         |         |       |       |
| 6-19-94          | 97                                                                                 | 16:16  | 71      | 7:01  | 26     | 84.0    | 4.0    | 69      | 0     | 1     | .TR    |         |         |         |         | 1950  | 1957  |
| 6-20-94          | 91                                                                                 | 15:07  | 71      | 6:22  | 20     | 81.0    | -3.0   | 70      | 0     | 0     |        |         |         |         |         |       |       |
| 6-21-94          | 92                                                                                 | 17:05  | 71      | 6:16  | 21     | 81.5    | 0.5    | 70      | 2     | 1     | 0.16   | 0.15    | 0.03    |         |         | 1800  | 1810  |
| 6-22-94          | 91                                                                                 | 16:35  | 68      | 7:16  | 23     | 79.5    | -2.0   | 70      | 0     | 0     |        |         |         |         |         |       |       |
| 6-23-94          | 89                                                                                 | 16:48  | 69      | 7:19  | 20     | 79.0    | -0.5   | 71      | 1     | 2     | 0.23   | 0.23    | 0.16    |         |         | 1801  | 1810  |
| 6-24-94          | 95                                                                                 | 15:20  | 70      | 6:36  | 25     | 82.5    | 3.5    | 72      | 0     | 2     | 1.02   | 0.75    | 0.24    |         |         | 1505  | 1615  |
| 6-25-94          | 87                                                                                 | 14:31  | 72      | 0:00  | 15     | 79.5    | -3.0   | 71      | 0     | 0     |        |         |         |         |         |       |       |
| 6-26-94          | 91                                                                                 | 17:05  | 63      | 7:02  | 28     | 77.0    | -2.5   | 72      | 0     | 1     | 0.03   |         |         |         |         | 1750  | 1805  |
| 6-27-94          | 83                                                                                 | 13:40  | 69      | 0:00  | 14     | 76.0    | -1.0   | 71      | 2     | 1     | 0.10   |         |         |         |         | 0550  | 0610  |
| 6-28-94          | 87                                                                                 | 15:30  | 65      | 6:30  | 22     | 76.0    | 0.0    | 72      | 0     | 0     | .TR    |         |         |         |         | 0310  | 0315  |
| 6-29-94          | 92                                                                                 | 14:56  | 69      | 19:32 | 23     | 80.5    | 4.5    | 72      | 1     | 1     | 1.25   | 0.52    | 0.24    |         |         | 0825  | 0845  |
| 6-30-94          | 84                                                                                 | 11:38  | 66      | 6:58  | 18     | 75.0    | -5.5   | 71      | 1     | 2     | 0.02   | 0.02    | 0.01    |         |         | 1414  | 1426  |
| TOT.             | 2646.00                                                                            | 19.42  | 1956.00 | 7.89  | 690.00 | 2301.00 | 2.50   | 2018.00 | 26.00 | 27.00 | 2.85   | 1.70    | 0.69    | 0.0     | 0.0     | MAX.  | TEMPS |
| NUMBER           | 30                                                                                 | 30     | 30      | 30    | 30     | 30      | 30     | 30      | 30    | 30    | 8      | 6       | 6       | 0       | 0       | >=70  | 30    |
| AVE.             | 88.20                                                                              | 15:32  | 65.20   | 6:07  | 23.00  | 76.70   | 0.08   | 67.27   | 0.87  | 0.90  | 0.36   | 0.00    | 0.00    | 0.00    | 0.00    | >=65  | 30    |
| MAX.             | 97                                                                                 | 15:45  | 74      | 10:00 | 34     | 85.5    | 7.5    | CLEAR   | 12    | 10    | 1.25   | 0.75    | 0.24    | 0       | 0       | >=60  | 30    |
| MIN.             | 74                                                                                 | 0:00   | 49      | 0:00  | 11     | 64.0    | -9.5   | PT.CLO. | 10    | 13    | 0000   | >=95    | 5       | >=80    | 27      | >=55  | 30    |
| > EQUAL 90° DAYS | 13                                                                                 | <=32°D | 0       | 0000  | 0000   | 0000    | 0000   | CLOUDY  | 8     | 7     | 0000   | >=85    | 22      | >=75    | 29      | >=50  | 30    |

| PAGE#2  |       | JUNE 1994 BARCROFT HILLS STAT. LAT. 38°50'25"North LONG.77°09'58' West STAT. # 737 |           |         |        |         |         |        |        |        |        |        |        |       |       |         |        |       |
|---------|-------|------------------------------------------------------------------------------------|-----------|---------|--------|---------|---------|--------|--------|--------|--------|--------|--------|-------|-------|---------|--------|-------|
| 19      | 20    | 21                                                                                 | 22        | 23      | 24     | 25      | 26      | 27     | 28     | 29     | 30     | 31     | 32     | 33    | 34    | 35      | 36     | 37    |
| 1994    | START | END                                                                                | WIND      | MAX.    | MAX.   | MAX.RH. | MIN.RH. | MAX.   | MIN.   | AVE.   | BAR.   | BAR.&  | MAP    | FEAT. | HP.LP | FRONT   | FRONT  | FRONT |
| JUNE    | TIME  | TIME                                                                               | DOT. AVE. | SUNRISE | SUNSET | SUNRISE | SUNSET  | BAR.   | BAR.   | BAR.   | CHANGE | PREC.  | FEAT.  | LOC#  | TRACK | DIRECT. | INTEN. | PASS. |
| 6-1-94  |       |                                                                                    | 22        | 7       | 18     | 93      | 18      | 29.87  | 29.77  | 29.82  | -0.21  |        | 11     |       |       | NW      | STRONG | 1900  |
| 6-2-94  |       |                                                                                    | 39        | 15      | 20     | 38      | 20      | 30.09  | 29.87  | 29.98  | 0.16   |        | 9      | ON    | SE    |         |        |       |
| 6-3-94  |       |                                                                                    | 14        | 12      | 12     | 64      | 19      | 30.19  | 30.05  | 30.12  | 0.14   |        | 9      | WS    | SE    |         |        |       |
| 6-4-94  |       |                                                                                    | 6         | 0       | 8      | 90      | 18      | 30.11  | 30.01  | 30.06  | -0.06  |        | 9      | OH    | EAST  |         |        |       |
| 6-5-94  |       |                                                                                    | 6         | 0       | 11     | 60      | 26      | 30.10  | 30.00  | 30.05  | -0.01  |        | 9      | OH    | EAST  |         |        |       |
| 6-6-94  |       |                                                                                    | 7         | 9       | 9      | 92      | 47      | 30.02  | 29.80  | 29.91  | -0.14  | 29.81  | 23     |       |       | WEST    | WEAK   |       |
| 6-7-94  |       |                                                                                    | 6         | 8       | 10     | 97      | 21      | 29.83  | 29.69  | 29.76  | -0.15  |        | 23     |       |       | NORTH   | WEAK   | 1950  |
| 6-8-94  |       |                                                                                    | 25        | 0       | 15     | 81      | 33      | 29.99  | 29.74  | 29.87  | 0.11   |        | 11     |       |       | NORTH   | AVE.   | 1600  |
| 6-9-94  |       |                                                                                    | 14        | 9       | 10     | 72      | 17      | 30.08  | 29.97  | 30.03  | 0.16   |        | 9      | WS    | EAST  |         |        |       |
| 6-10-94 |       |                                                                                    | 6         | 0       | 10     | 94      | 17      | 30.09  | 30.01  | 30.05  | 0.03   |        | 9      | VAC   | EAST  |         |        |       |
| 6-11-94 |       |                                                                                    | 2         | 0       | 9      | 86      | 48      | 30.13  | 30.03  | 30.08  | 0.03   |        | 21     |       |       | WEST    | WEAK   |       |
| 6-12-94 |       |                                                                                    | 4         | 0       | 9      | 94      | 47      | 30.08  | 29.99  | 30.04  | -0.05  |        |        |       |       |         |        |       |
| 6-13-94 |       |                                                                                    | 6         | 0       | 10     | 100     | 23      | 30.11  | 29.98  | 30.05  | 0.01   |        | 9      |       |       |         |        |       |
| 6-14-94 |       |                                                                                    | 6         | 0       | 11     | 98      | 25      | 30.09  | 30.01  | 30.05  | 0.00   |        | 9      |       |       |         |        |       |
| 6-15-94 |       |                                                                                    | 6         | 0       | 13     | 99      | 31      | 30.18  | 30.09  | 30.14  | 0.08   |        | 9      |       |       |         |        |       |
| 6-16-94 |       |                                                                                    | 9         | 0       | 13     | 95      | 58      | 30.20  | 30.08  | 30.14  | 0.01   | 30.09  | 9R     |       |       |         |        |       |
| 6-17-94 |       |                                                                                    | 8         | 7       | 8      | 100     | 49      | 30.14  | 30.08  | 30.11  | -0.03  |        | 9      |       |       |         |        |       |
| 6-18-94 |       |                                                                                    | 5         | 0       | 9      | 100     | 30      | 30.14  | 30.03  | 30.09  | -0.02  |        | 9      |       |       |         |        |       |
| 6-19-94 |       |                                                                                    | 10        | 0       | 10     | 99      | 27      | 30.05  | 29.95  | 30.00  | -0.09  |        | 23     |       |       | NW      | WEAK   | 1700  |
| 6-20-94 |       |                                                                                    | 29        | 12      | 14     | 86      | 32      | 30.10  | 29.99  | 30.05  | 0.05   |        | 9      |       |       |         |        |       |
| 6-21-94 | 1835  | 1945                                                                               | 9         | 9       | 17     | 93      | 44      | 30.04  | 29.76  | 29.90  | -0.15  | 29.80  | 23, 11 |       |       | NW      | AVE.   | 1750  |
| 6-22-94 |       |                                                                                    | 20        | 14      | 12     | 97      | 22      | 29.90  | 29.80  | 29.85  | -0.05  |        | 11     |       |       | NW      | AVE.   |       |
| 6-23-94 |       |                                                                                    | 2         | 0       | 12     | 87      | 42      | 29.87  | 29.71  | 29.79  | -0.06  | 29.73  | 21     |       |       | SW      | AVE.   | 1800  |
| 6-24-94 |       |                                                                                    | 7         | 0       | 22     | 99      | 49      | 29.70  | 29.55  | 29.63  | -0.16  | 29.57  | 23,11  |       |       | WEST    | AVE.   | 1900  |
| 6-25-94 |       |                                                                                    | 21        | 0       | 20     | 94      | 24      | 29.88  | 29.58  | 29.73  | 0.10   |        | 9      |       |       |         |        |       |
| 6-26-94 |       |                                                                                    | 6         |         |        | 89      | 23      | 30.00  | 29.84  | 29.92  | 0.19   | 29.85  | 8      | IN    | EAST  |         |        |       |
| 6-27-94 | 2010  | 2200                                                                               | 11        | 15      |        | 95      | 52      | 29.85  | 29.74  | 29.80  | -0.13  | 29.83  | 8      | OH    | NE    |         |        |       |
| 6-28-94 |       |                                                                                    | 9         |         |        | 97      | 32      | 29.93  | 29.86  | 29.90  | 0.10   | 29.86  | 11     |       |       | WEST    | WEAK   |       |
| 6-29-94 | 1610  | 1655                                                                               | 6         |         |        | 97      | 31      | 29.87  | 29.68  | 29.78  | -0.12  | 29.80  | 11     |       |       | WEST    | WEAK   |       |
| 6-30-94 |       |                                                                                    | 2         | 17      | 8      | 100     | 56      | 29.96  | 29.78  | 29.87  | 0.10   | 29.84  | 11     |       |       | WEST    | WEAK   | 1400  |
| TOT.    | MIN.  | TEMPS                                                                              | 323       | 134     | 320    | 2686    | 981     | 900.59 | 896.44 | 898.51 | -0.16  | 298.18 | LOW    | PR.=  | 2     | 000     | 000    | 000   |
| NUMBER  | <=70  | 23                                                                                 | 30        | 27      | 26     | 30      | 30      | 30     | 30     | 30     | 30     | 10     | HIGH   | PR.=  | 13    | 000     | 000    | 000   |
| AVE.    | <=65  | 12                                                                                 | 10.77     | 4.96    | 12.31  | 89.53   | 32.70   | 30.02  | 29.88  | 29.95  | -0.01  | 29.82  | H.P.   | RIDGE | 1     | ALL     | HPS.=  | 14    |
| MAX.    | <=60  | 6                                                                                  | 39        | 17      | 22     | 100     | 58      | 30.20  | 30.09  | 30.14  | 0.19   | 30.09  | COLD   | FRO.= | 8     | 000     | 000    | 000   |
| MIN.    | <=55  | 5                                                                                  | 2         | 0       | 8      | 38      | 17      | 29.70  | 29.55  | 29.63  | -0.21  | 29.57  | WARM   | FRO.= | 2     | 000     | 000    | 000   |
| MEDIAN  | <=50  | 1                                                                                  | 7         | 0       | 11     | 94      | 31      | 30.07  | 29.91  | 29.99  | 0.00   | 29.82  | STAT.  | FRO.= | 0     | 000     | 000    | 000   |

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| <b>PAGE #3</b> | <b>JUNE 1994 BARCROFT HILLS STAT. LAT. 38°50'25"North LONG.77°09'58' West STAT. # 737</b>                           |
| 38             | 39                                                                                                                  |
| <b>1994</b>    | <b>REMARKS FOR THE MONTH OF</b>                                                                                     |
| <b>JUNE</b>    | <b>JUNE</b>                                                                                                         |
| 6-1-94         |                                                                                                                     |
| 6-2-94         | VERY DRY BUT BEAUTIFUL COOL WEATHER AND BREEZY                                                                      |
| 6-3-94         | NEW MAX. SOLAR RADIATION .89 WATTS /SQ. METER IN 5 MINS.                                                            |
| 6-4-94         |                                                                                                                     |
| 6-5-94         | NEW MAX. SOLAR RADIATION .90 WATTS /SQ. METER IN 5 MINS.                                                            |
| 6-6-94         | VERY WEAK CF. OR TROUGH                                                                                             |
| 6-7-94         | VERY WEAK CF. OR TROUGH FOLLOWED BY A SECOND WEAK CF.                                                               |
| 6-8-94         |                                                                                                                     |
| 6-9-94         | SUN THROUGH HIGH THIN CIRRUS IN AM - BEAUTIFUL DAY, LOW RELATIVE HUMIDITY                                           |
| 6-10-94        | HIGH CLOUDS MORNING AND AFTERNOON                                                                                   |
| 6-11-94        |                                                                                                                     |
| 6-12-94        |                                                                                                                     |
| 6-13-94        | FOG IN AM.                                                                                                          |
| 6-14-94        |                                                                                                                     |
| 6-15-94        | MUCH LIGHTNING TO THE N. BUT NO RAIN HERE- ONLY A FEW DROPS OR SPRINKLES                                            |
| 6-16-94        | TS. IN AM. TO THE SE. AND STORMS. MOVED NE. TO SW.                                                                  |
| 6-17-94        | SO MUCH HAZE CLOUDS NOT VISIBLE                                                                                     |
| 6-18-94        | AM. FOG                                                                                                             |
| 6-19-94        |                                                                                                                     |
| 6-20-94        |                                                                                                                     |
| 6-21-94        | TROUGH PASSED THEN A COLD FRONT                                                                                     |
| 6-22-94        |                                                                                                                     |
| 6-23-94        |                                                                                                                     |
| 6-24-94        | CF. PASSED AT ABOUT NOON                                                                                            |
| 6-25-94        |                                                                                                                     |
| 6-26-94        |                                                                                                                     |
| 6-27-94        |                                                                                                                     |
| 6-28-94        |                                                                                                                     |
| 6-29-94        | INTENSE LIGHTNING IN WASH. AREA-INTENSE LIGHTNING CELL PASSED TO THE SE. AT ABOUT 2145                              |
| 6-30-94        | COLD FRONT TO WASH OUT OVER VA.                                                                                     |
|                |                                                                                                                     |
| <b>1994</b>    | THE WARMEST JUNE ON REC. & IT WOULD HAVE BEEN THE DRIEST EXCEPT FOR THE 2 HEAVY RAINS ON THE 24TH & 29TH            |
| <b>JUNE</b>    | THE MAX.AVE.TEMP.88.2° DEP.+3.83°(OLD REC.85.77° IN 1984) - THE AVE. MEAN 76.70° DEP.+2.93°(OLD REC.75.05° IN 1989) |
| <b>REMARKS</b> | THE 97° TIED THE OLD REC. OF 97° ON 3 OCCASIONS THE AVE. TEMP. RANGE OF 23° ALSO SET A NEW REC. FOR JUNE            |
| ◇◇◇◇           | GREATEST DAILY TEMP. RANGE WAS 34° WHICH WAS TIED ON THE 4TH-THE HIGHEST MIN. 74° WAS HIGHEST FOR JUNE SINCE '88    |
| ◇◇◇◇           | THE AVE. DAILY RELATIVE HUMIDITY FOR JUNE WAS VERY LOW AND PLAYED A PART IN THE HIGH AVE. TEMP. RANGES              |
| ◇◇◇◇           | BAR. 29.55 ON THE 24TH WAS THE LOWEST IN JUNE SINCE '85-THE 74° LOWEST MAX. TEMP. FOR JUNE WAS A RECORD             |