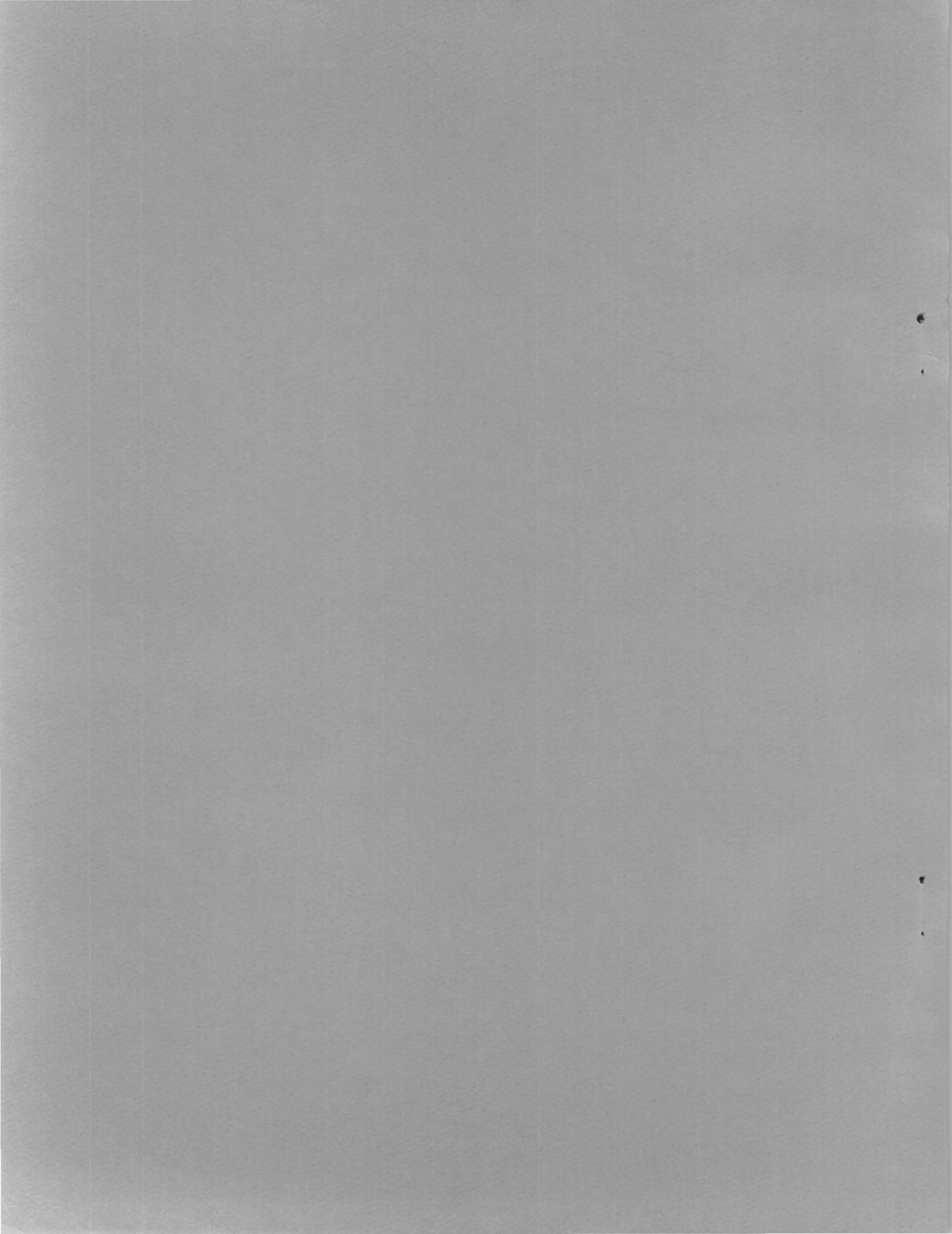


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UNIVERSITY OF MINNESOTA AGRICULTURAL EXPERIMENT STATION
AGRICULTURAL CLIMATIC DATA
1981

Mark Seeley and Greg Spoden



UNIVERSITY OF MINNESOTA AGRICULTURAL EXPERIMENT STATION
AGRICULTURAL CLIMATIC DATA
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Except for occasional severe weather events, Minnesota was favored with good crop producing weather in 1981. The following data summarize the environmental conditions at nine University of Minnesota branch and satellite experiment stations. These data are stored on the "MERITSS" computer system and are accessible by using the "ENVDATA" computer manual.

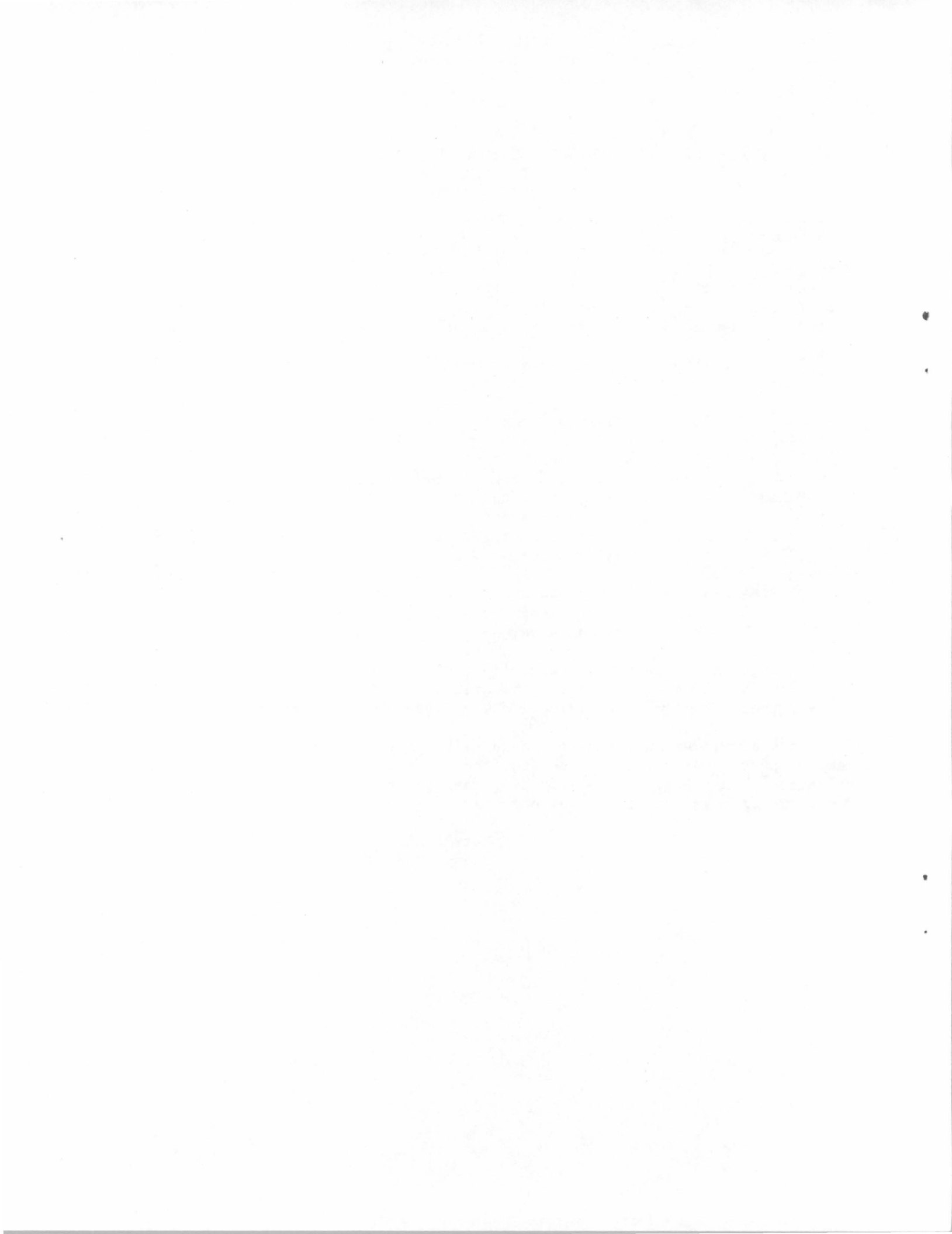
These parameters were measured at most or all of the experiment stations:

| | |
|-------------|--|
| MAX | Daily maximum temperature in degrees fahrenheit |
| MIN | Daily minimum temperature in degrees fahrenheit |
| PRECIP | Daily precipitation in inches |
| WIND | Daily wind run in miles per day |
| SOLAR | Daily solar radiation in langleys (cal/cm2) per day |
| PAN | Daily pan evaporation in inches |
| SOILMAX | Daily maximum soil temperature at 4 inches |
| SOILMIN | Daily minimum soil temperature at 4 inches |
| DEGREE DAYS | Daily and accumulated growing degree days with base temperatures corresponding to major crops of the area. |

Occasional problems have arisen in the data set due to inconsistencies in methods and time of observation as well as positioning of equipment. However these problems are minimal, and by 1982 should be eliminated.

An analysis of environmental data is helpful in operational decision-making and interpretation of results from field research. Call us at the Extension Climatology Office, if additional environmental data are needed. Questions or suggestions are welcome.

Mark Seeley, Greg Spoden
Phone (612) 373-0750



MEAN MONTHLY TEMPERATURE AND DEPARTURE FROM NORMAL

| | APR | MAY | JUN | JUL | AUG | SEP | OCT |
|--------------|------|------|------|------|------|------|------|
| CROOKSTON | 46.1 | 56.0 | 62.7 | 69.9 | 69.7 | 58.4 | -4.9 |
| DEP. | +4.5 | +0.6 | -2.2 | +0.1 | +1.4 | +1.4 | -1.7 |
| MORRIS | 47.3 | 54.9 | 63.4 | 70.0 | 67.3 | 58.5 | -4.1 |
| DEP. | +4.7 | -1.2 | -2.4 | -0.7 | -1.1 | +0.2 | -3.0 |
| GRAND RAPIDS | 43.9 | 54.6 | 61.9 | 67.8 | 66.3 | 55.3 | -3.8 |
| DEP. | +3.2 | +1.3 | -0.6 | +0.7 | +2.1 | +0.5 | -1.5 |
| STAPLES | 44.3 | 53.6 | 62.7 | 67.8 | 65.3 | 54.3 | -1.6 |
| DEP. (1) | +2.9 | -1.3 | -1.5 | -1.4 | -1.3 | -1.3 | -3.2 |
| BECKER | 46.7 | 54.8 | 64.6 | 70.4 | 68.0 | 56.3 | -3.3 |
| DEP. (2) | +3.7 | -0.9 | -1.6 | +0.1 | +0.2 | -0.8 | -3.5 |
| LAMBERTON | 50.2 | 57.2 | 68.3 | 72.2 | 68.5 | 60.2 | -6.0 |
| DEP. (3) | +4.5 | -1.6 | -0.3 | -0.1 | -1.2 | -0.4 | -3.0 |
| WASECA | 48.8 | 56.1 | 66.5 | 70.9 | 68.4 | 58.5 | -4.5 |
| DEP. | +4.1 | -1.6 | -0.6 | -0.2 | -0.3 | -1.3 | -4.3 |
| ROSEMOUNT | 49.6 | 57.2 | 66.3 | 71.5 | 69.7 | 59.6 | -6.2 |
| DEP. | +4.6 | -0.4 | -0.3 | +0.1 | +0.5 | -0.4 | -3.1 |
| ST. PAUL | 50.4 | 57.6 | 67.2 | 72.0 | 70.1 | 60.4 | -7.2 |
| DEP. (4) | +5.6 | -0.7 | -0.9 | -1.1 | -0.5 | +0.0 | -2.3 |

- (1) DEPARTURE FROM WADENA NORMALS
- (2) DEPARTURE FROM ST. CLOUD NORMALS
- (3) DEPARTURE FROM SPRINGFIELD NORMALS
- (4) DEPARTURE FROM MINNEAPOLIS/ST. PAUL INTERNATIONAL AIRPORT NORMALS

TOTAL MONTHLY PRECIPITATION AND DEPARTURE FROM NORMAL

| | APR | MAY | JUN | JUL | AUG | SEP | OCT |
|--------------|-------|-------|-------|-------|-------|-------|-------|
| CROCKSTON | 1.26 | 2.63 | 4.95 | 3.72 | 3.69 | 3.60 | 2.73 |
| DEP. | -0.13 | +0.43 | +1.34 | +0.55 | +0.65 | +1.27 | +1.34 |
| MORRIS | 1.78 | 1.94 | 6.68 | 3.76 | 2.67 | 0.54 | 3.28 |
| DEP. | -0.67 | -0.97 | +2.77 | +0.47 | -0.46 | -1.37 | +1.43 |
| GRAND RAPIDS | 4.09 | 1.34 | 5.89 | 3.86 | 5.21 | 2.22 | 4.20 |
| DEP. | +2.10 | -1.82 | +2.10 | -0.26 | +1.83 | -0.77 | +2.18 |
| STAPLES | 2.51 | 2.26 | 4.81 | 3.77 | 5.97 | 1.54 | 4.50 |
| DEP. (1) | +0.03 | -0.75 | +0.41 | -0.21 | +2.53 | -0.94 | +2.70 |
| BECKER | 2.95 | 1.31 | 7.81 | 2.98 | 1.93 | 0.71 | 4.66 |
| DEP. (2) | +0.65 | -2.29 | +3.17 | -0.25 | -1.91 | -1.34 | +2.97 |
| LAMBERTON | 1.41 | 0.34 | 3.07 | 4.42 | 4.24 | 0.61 | 2.79 |
| DEP. (3) | -0.91 | -2.90 | -0.46 | +0.93 | +0.70 | -1.93 | +0.86 |
| WASECA | 4.49 | 3.60 | 3.86 | 6.21 | 7.38 | 1.46 | 3.24 |
| DEP. | +1.85 | -0.16 | -0.62 | +2.19 | +3.38 | -1.90 | +1.15 |
| ROSEMOUNT | 4.15 | 2.63 | 4.54 | 3.77 | 3.03 | 1.39 | 2.35 |
| DEP. | +1.69 | -1.06 | -0.23 | -0.22 | +3.79 | -1.73 | +0.13 |
| ST. PAUL | 3.04 | 2.01 | 5.40 | 4.52 | 5.88 | 1.29 | 2.67 |
| DEP. (4) | +0.69 | -1.87 | +1.58 | +0.60 | +2.42 | -2.36 | -0.17 |

- (1) DEPARTURE FROM WADENA NORMALS
- (2) DEPARTURE FROM ST.CLOUD NORMALS
- (3) DEPARTURE FROM SPRINGFIELD NORMALS
- (4) DEPARTURE FROM 1959 - 1972 AVERAGE

TOTAL MONTHLY PAN EVAPORATION AND DEPARTURE FROM AVERAGE

| | APR | MAY | JUN | JUL | AUG | SEP | OCT |
|-----------------------|-----------|---------------|---------------|---------------|---------------|---------------|-----------|
| CROOKSTON DEP. | M | M | 6.35 * | 6.92 * | 6.49 * | 3.75 * | M |
| MORRIS DEP. | M | 7.92 +0.05 | 7.77 -1.53 | 7.70 -1.95 | 6.56 -1.22 | 5.72 -0.09 | M |
| GRAND RAPIDS DEP. | M | M | M | M | M | M | M |
| STAPLES DEP. | 4.66 * | 7.06 +0.06 | 6.73 -1.02 | 7.36 -1.14 | 6.49 -1.51 | 4.49 -0.11 | 2.53 * |
| BECKER DEP. | 4.15 * | 6.59 * | 6.08 * | 7.17 * | 6.27 * | 5.05 * | M * |
| LAMBERTON DEP. | M | 9.88 +2.06 | 8.63 -0.35 | 8.07 -1.03 | 5.42 -1.95 | M | M |
| WASECA DEP. | M | 7.85 +0.20 | 8.06 -0.32 | 7.34 -0.72 | 5.96 -0.72 | 4.57 -0.21 | M |
| ROSEMOUNT DEP. (1) | M | M | 6.53 -1.91 | 6.88 -1.42 | 5.22 -2.12 | 4.49 -0.40 | M |
| ST. PAUL DEP. | M | 6.65 -0.65 | 6.63 -1.87 | 7.71 -1.38 | 5.82 -1.45 | 4.37 +0.21 | M |

(1) DEPARTURE FROM FARMINGTON AVERAGE
M MISSING DATA OR MEASUREMENT NOT TAKEN
* AVERAGE NOT AVAILABLE

DAILY MEAN SOLAR RADIATION (LANGLEYS PER DAY)

| | APR | MAY | JUN | JUL | AUG | SEP | OCT |
|--------------|-----|-----|-----|-----|-----|-----|-----|
| CROOKSTON | M | 342 | 359 | 412 | 228 | 171 | 60 |
| MORRIS | M | M | 516 | 480 | 445 | 359 | M |
| GRAND RAPIDS | M | 403 | 340 | 382 | 289 | 254 | M |
| STAPLES | M | M | M | M | M | M | M |
| BECKER | M | M | M | M | M | M | M |
| LAMBERTON | 337 | 431 | 427 | 424 | 359 | 360 | 191 |
| WASECA | 380 | 481 | 482 | 487 | 442 | 382 | 234 |
| ROSEMOUNT | M | M | 463 | 499 | 420 | 365 | M |
| ST. PAUL | 366 | 494 | 462 | 498 | 405 | 360 | 218 |

M MISSING DATA OR MEASUREMENT NOT TAKEN

MEAN DAILY WIND RUN (MILES PER DAY)

| | APR | MAY | JUN | JUL | AUG | SEP | OCT |
|--------------|-----|-----|-----|-----|-----|-----|-----|
| CROOKSTON | M | M | M | M | 45 | 61 | 91 |
| MORRIS | M | M | 161 | 117 | 108 | 133 | M |
| GRAND RAPIDS | M | M | M | M | M | M | M |
| STAPLES | M | 95 | 107 | 74 | 70 | 94 | 121 |
| BECKER | 86 | 48 | 35 | M | M | M | M |
| LAMBERTON | M | 99 | 75 | M | 29 | 45 | M |
| WASECA | 219 | 159 | 142 | 91 | 92 | 113 | 169 |
| ROSEMOUNT | M | M | M | M | M | M | M |
| ST. PAUL | 140 | 101 | 99 | 74 | 75 | 92 | 116 |

M MISSING DATA OR MEASUREMENT NOT TAKEN

LOCATION: BECKER

DEGREE DAYS

| DATE | MAXTEMP | MINTEMP | PRECIP | WIND | SOLAR | PAN | SOILMAX | SOILMIN | BASE = 40 | | BASE = 50 | | BASE = 50/86 | |
|----------|---------|---------|--------|--------|-------|-----|---------|---------|-----------|-------|-----------|-------|--------------|-------|
| | | | | | | | | | DAILY | ACCUM | DAILY | ACCUM | DAILY | ACCUM |
| 04/01/81 | 58.00 | 35.00 | .13 | 0 | | 0 | 50.00 | 42.00 | 6.5 | 6.5 | 0.0 | 0.0 | 4.0 | 4.0 |
| 04/02/81 | 52.00 | 33.00 | 0 | 101.00 | | .12 | 53.00 | 40.00 | 2.5 | 9.0 | 0.0 | 0.0 | 1.0 | 5.0 |
| 04/03/81 | 73.00 | 43.00 | .11 | 92.00 | | .17 | 57.00 | 40.00 | 18.0 | 27.0 | 8.0 | 8.0 | 11.5 | 16.5 |
| 04/04/81 | 57.00 | 30.00 | .61 | 56.00 | | 0 | 55.00 | 38.00 | 3.5 | 30.5 | 0.0 | 8.0 | 3.5 | 20.0 |
| 04/05/81 | 48.00 | 25.00 | 0 | 112.00 | | .03 | 53.00 | 37.00 | 0.0 | 30.5 | 0.0 | 8.0 | 0.0 | 20.0 |
| 04/06/81 | 51.00 | 22.00 | 0 | 56.00 | | 0 | 51.00 | 36.00 | 0.0 | 30.5 | 0.0 | 8.0 | .5 | 20.5 |
| 04/07/81 | 61.00 | 38.00 | 0 | 56.00 | | .22 | 47.00 | 42.00 | 9.5 | 40.0 | 0.0 | 8.0 | 5.5 | 26.0 |
| 04/08/81 | 63.00 | 39.00 | 0 | 35.00 | | .15 | 55.00 | 45.00 | 11.0 | 51.0 | 1.0 | 9.0 | 6.5 | 32.5 |
| 04/09/81 | 59.00 | 30.00 | 0 | 39.00 | | .17 | 59.00 | 43.00 | 4.5 | 55.5 | 0.0 | 9.0 | 4.5 | 37.0 |
| 04/10/81 | 66.00 | 44.00 | .14 | 146.00 | | .24 | 57.00 | 47.00 | 15.0 | 70.5 | 5.0 | 14.0 | 8.0 | 45.0 |
| 04/11/81 | 63.00 | 39.00 | 0 | 112.00 | | .17 | 54.00 | 43.00 | 11.0 | 81.5 | 1.0 | 15.0 | 6.5 | 51.5 |
| 04/12/81 | 48.00 | 35.00 | 0 | 50.00 | | .09 | 49.00 | 44.00 | 1.5 | 83.0 | 0.0 | 15.0 | 0.0 | 51.5 |
| 04/13/81 | 66.00 | 35.00 | .04 | 71.00 | | .18 | 61.00 | 44.00 | 10.5 | 93.5 | .5 | 15.5 | 8.0 | 59.5 |
| 04/14/81 | 53.00 | 26.00 | .31 | 125.00 | | .11 | 53.00 | 41.00 | 0.0 | 93.5 | 0.0 | 15.5 | 1.5 | 61.0 |
| 04/15/81 | 47.00 | 27.00 | 0 | 83.00 | | .15 | 53.00 | 40.00 | 0.0 | 93.5 | 0.0 | 15.5 | 0.0 | 61.0 |
| 04/16/81 | 64.00 | 41.00 | 0 | 200.00 | | .35 | 57.00 | 47.00 | 12.5 | 106.0 | 2.5 | 18.0 | 7.0 | 68.0 |
| 04/17/81 | 58.00 | 38.00 | 0 | 101.00 | | .05 | 53.00 | 47.00 | 8.0 | 114.0 | 0.0 | 18.0 | 4.0 | 72.0 |
| 04/18/81 | 69.00 | 26.00 | 0 | 127.00 | | .31 | 60.00 | 45.00 | 7.5 | 121.5 | 0.0 | 18.0 | 9.5 | 81.5 |
| 04/19/81 | 59.00 | 45.00 | 0 | 73.00 | | .03 | 61.00 | 44.00 | 12.0 | 133.5 | 2.0 | 20.0 | 4.5 | 86.0 |
| 04/20/81 | 58.00 | 27.00 | .11 | 72.00 | | .30 | 62.00 | 44.00 | 2.5 | 136.0 | 0.0 | 20.0 | 4.0 | 90.0 |
| 04/21/81 | 50.00 | 36.00 | 0 | 105.00 | | .25 | 61.00 | 47.00 | 3.0 | 139.0 | 0.0 | 20.0 | 0.0 | 30.0 |
| 04/22/81 | 53.00 | 37.00 | .30 | 143.00 | | .01 | 49.00 | 45.00 | 5.0 | 144.0 | 0.0 | 20.0 | 1.5 | 91.5 |
| 04/23/81 | 54.00 | 37.00 | .77 | 118.00 | | .06 | 50.00 | 45.00 | 5.5 | 149.5 | 0.0 | 20.0 | 2.0 | 93.5 |
| 04/24/81 | 42.00 | 32.00 | .02 | 142.00 | | .05 | 44.00 | 42.00 | 0.0 | 149.5 | 0.0 | 20.0 | 0.0 | 93.5 |
| 04/25/81 | 59.00 | 32.00 | 0 | 60.00 | | .19 | 54.00 | 40.00 | 5.5 | 155.0 | 0.0 | 20.0 | 4.5 | 98.0 |
| 04/26/81 | 60.00 | 35.00 | 0 | 39.00 | | .19 | 58.00 | 44.00 | 7.5 | 162.5 | 0.0 | 20.0 | 5.0 | 103.0 |
| 04/27/81 | 73.00 | 35.00 | .08 | 50.00 | | .19 | 69.00 | 42.00 | 14.0 | 176.5 | 4.0 | 24.0 | 11.5 | 114.5 |
| 04/28/81 | 69.00 | 45.00 | 0 | 130.00 | | .21 | 68.00 | 55.00 | 17.0 | 193.5 | 7.0 | 31.0 | 9.5 | 124.0 |
| 04/29/81 | 59.00 | 45.00 | .24 | 62.00 | | .11 | 62.00 | 54.00 | 12.0 | 205.5 | 2.0 | 33.0 | 4.5 | 128.5 |
| 04/30/81 | 58.00 | 42.00 | .09 | 37.00 | | .06 | 59.00 | 51.00 | 10.0 | 215.5 | 0.0 | 33.0 | 4.0 | 132.5 |
| 05/01/81 | 63.00 | 37.00 | .03 | 101.00 | | .17 | 64.00 | 50.00 | 10.0 | 225.5 | 0.0 | 33.0 | 6.5 | 139.0 |
| 05/02/81 | 62.00 | 42.00 | 0 | 52.00 | | .25 | 71.00 | 53.00 | 12.0 | 237.5 | 2.0 | 35.0 | 6.0 | 145.0 |
| 05/03/81 | 76.00 | 48.00 | .29 | 130.00 | | .35 | 68.00 | 53.00 | 22.0 | 259.5 | 12.0 | 47.0 | 13.0 | 158.0 |
| 05/04/81 | 61.00 | 48.00 | 0 | 42.00 | | .09 | 68.00 | 58.00 | 14.5 | 274.0 | 4.5 | 51.5 | 5.5 | 163.5 |
| 05/05/81 | 63.00 | 41.00 | .32 | 127.00 | | .29 | 63.00 | 52.00 | 12.0 | 286.0 | 2.0 | 53.5 | 6.5 | 170.0 |
| 05/06/81 | 61.00 | 36.00 | 0 | 47.00 | | .25 | 69.00 | 51.00 | 8.5 | 294.5 | 0.0 | 53.5 | 5.5 | 175.5 |
| 05/07/81 | 62.00 | 33.00 | 0 | 23.00 | | .23 | 71.00 | 51.00 | 7.5 | 302.0 | 0.0 | 53.5 | 6.0 | 181.5 |
| 05/08/81 | 67.00 | 47.00 | 0 | 49.00 | | .22 | 70.00 | 56.00 | 17.0 | 319.0 | 7.0 | 60.5 | 8.5 | 190.0 |
| 05/09/81 | 48.00 | 41.00 | .07 | 39.00 | | .11 | 62.00 | 50.00 | 4.5 | 323.5 | 0.0 | 60.5 | 0.0 | 190.0 |
| 05/10/81 | 60.00 | 25.00 | 0 | 65.00 | | .21 | 54.00 | 48.00 | 2.5 | 326.0 | 0.0 | 60.5 | 5.0 | 195.0 |
| 05/11/81 | 62.00 | 28.00 | 0 | 40.00 | | .24 | 62.00 | 45.00 | 5.0 | 331.0 | 0.0 | 60.5 | 6.0 | 201.0 |
| 05/12/81 | 61.00 | 34.00 | 0 | 92.00 | | .24 | 70.00 | 52.00 | 7.5 | 338.5 | 0.0 | 60.5 | 5.5 | 206.5 |
| 05/13/81 | 60.00 | 35.00 | 0 | 33.00 | | .24 | 64.00 | 52.00 | 7.5 | 346.0 | 0.0 | 60.5 | 5.0 | 211.5 |
| 05/14/81 | 69.00 | 38.00 | 0 | 35.00 | | .30 | 73.00 | 56.00 | 13.5 | 359.5 | 3.5 | 64.0 | 9.5 | 221.0 |
| 05/15/81 | 74.00 | 37.00 | 0 | 25.00 | | .22 | 72.00 | 57.00 | 15.5 | 375.0 | 5.5 | 69.5 | 12.0 | 233.0 |
| 05/16/81 | 77.00 | 45.00 | 0 | 7.00 | | .19 | 74.00 | 61.00 | 21.0 | 396.0 | 11.0 | 80.5 | 13.5 | 246.5 |
| 05/17/81 | 74.00 | 42.00 | .08 | 80.00 | | .12 | 73.00 | 55.00 | 18.0 | 414.0 | 8.0 | 88.5 | 12.0 | 258.5 |
| 05/18/81 | 61.00 | 34.00 | 0 | 35.00 | | .10 | 60.00 | 50.00 | 7.5 | 421.5 | 0.0 | 88.5 | 5.5 | 264.0 |
| 05/19/81 | 68.00 | 32.00 | 0 | 36.00 | | .26 | 72.00 | 53.00 | 10.0 | 431.5 | 0.0 | 88.5 | 9.0 | 273.0 |
| 05/20/81 | 76.00 | 40.00 | 0 | 17.00 | | .26 | 76.00 | 59.00 | 18.0 | 449.5 | 8.0 | 96.5 | 13.0 | 286.0 |
| 05/21/81 | 82.00 | 45.00 | 0 | 30.00 | | .34 | 79.00 | 59.00 | 23.5 | 473.0 | 13.5 | 110.0 | 16.0 | 302.0 |
| 05/22/81 | 82.00 | 58.00 | 0 | 81.00 | | .42 | 76.00 | 61.00 | 30.0 | 503.0 | 20.0 | 130.0 | 20.0 | 322.0 |
| 05/23/81 | 78.00 | 57.00 | 0 | 52.00 | | .40 | 76.00 | 61.00 | 27.5 | 530.5 | 17.5 | 147.5 | 17.5 | 339.5 |
| 05/24/81 | 77.00 | 53.00 | .05 | 52.00 | | .06 | 76.00 | 61.00 | 25.0 | 555.5 | 15.0 | 162.5 | 15.0 | 354.5 |
| 05/25/81 | 61.00 | 48.00 | 0 | 52.00 | | .06 | 76.00 | 61.00 | 14.5 | 570.0 | 4.5 | 167.0 | 5.5 | 360.0 |
| 05/26/81 | 60.00 | 49.00 | 0 | 51.00 | | .06 | 76.00 | 61.00 | 14.5 | 584.5 | 4.5 | 171.5 | 5.0 | 365.0 |
| 05/27/81 | 64.00 | 50.00 | 0 | 33.00 | | .14 | 71.00 | 63.00 | 17.0 | 601.5 | 7.0 | 178.5 | 7.0 | 372.0 |
| 05/28/81 | 72.00 | 51.00 | .36 | 8.00 | | .25 | 73.00 | 64.00 | 21.5 | 623.0 | 11.5 | 190.0 | 11.5 | 383.5 |
| 05/29/81 | 62.00 | 54.00 | .07 | 17.00 | | .02 | 65.00 | 62.00 | 18.0 | 641.0 | 8.0 | 198.0 | 8.0 | 391.5 |
| 05/30/81 | 67.00 | 45.00 | 0 | 12.00 | | .15 | 69.00 | 62.00 | 16.0 | 657.0 | 6.0 | 204.0 | 8.5 | 400.0 |
| 05/31/81 | 75.00 | 40.00 | .04 | 30.00 | | .35 | 80.00 | 61.00 | 17.5 | 674.5 | 7.5 | 211.5 | 12.5 | 412.5 |
| 06/01/81 | 75.00 | 45.00 | 0 | 62.00 | | .28 | 81.00 | 61.00 | 20.0 | 694.5 | 10.0 | 221.5 | 12.5 | 425.0 |
| 06/02/81 | 81.00 | 50.00 | .05 | 88.00 | | .18 | 75.00 | 66.00 | 25.5 | 720.0 | 15.5 | 237.0 | 15.5 | 440.5 |
| 06/03/81 | 69.00 | 55.00 | .32 | 27.00 | | .09 | 69.00 | 63.00 | 22.0 | 742.0 | 12.0 | 249.0 | 12.0 | 452.5 |
| 06/04/81 | 75.00 | 50.00 | 0 | 28.00 | | .24 | 75.00 | 62.00 | 22.5 | 764.5 | 12.5 | 261.5 | 12.5 | 465.0 |

| | | | | | | | | | | | | | |
|----------|-------|-------|------|-------|-----|-------|-------|------|--------|------|--------|------|--------|
| 06/05/81 | 79.00 | 60.00 | .02 | 26.00 | .15 | 84.00 | 62.00 | 29.5 | 794.0 | 19.5 | 281.0 | 19.5 | 484.5 |
| 06/06/81 | 80.00 | 56.00 | 0 | 40.00 | .31 | 85.00 | 65.00 | 28.0 | 822.0 | 18.0 | 299.0 | 18.0 | 502.5 |
| 06/07/81 | 80.00 | 52.00 | 0 | 40.00 | .44 | 85.00 | 65.00 | 26.0 | 848.0 | 16.0 | 315.0 | 16.0 | 518.5 |
| 06/08/81 | 88.00 | 60.00 | 0 | 22.00 | .31 | 87.00 | 65.00 | 34.0 | 882.0 | 24.0 | 339.0 | 23.0 | 541.5 |
| 06/09/81 | 71.00 | 54.00 | 0 | 29.00 | .09 | 77.00 | 67.00 | 22.5 | 904.5 | 12.5 | 351.5 | 12.5 | 554.0 |
| 06/10/81 | 74.00 | 48.00 | .22 | 31.00 | .15 | 76.00 | 62.00 | 21.0 | 925.5 | 11.0 | 362.5 | 12.0 | 566.0 |
| 06/11/81 | 77.00 | 51.00 | 0 | 33.00 | .30 | 82.00 | 61.00 | 24.0 | 949.5 | 14.0 | 376.5 | 14.0 | 580.0 |
| 06/12/81 | 77.00 | 57.00 | .09 | 34.00 | .11 | 75.00 | 66.00 | 27.0 | 976.5 | 17.0 | 393.5 | 17.0 | 597.0 |
| 06/13/81 | 76.00 | 55.00 | .30 | 15.00 | .14 | 74.00 | 64.00 | 25.5 | 1002.0 | 15.5 | 409.0 | 15.5 | 612.5 |
| 06/14/81 | 71.00 | 60.00 | 2.00 | 35.00 | .14 | 71.00 | 64.00 | 25.5 | 1027.5 | 15.5 | 424.5 | 15.5 | 628.0 |
| 06/15/81 | 78.00 | 62.00 | 3.23 | 35.00 | .17 | 77.00 | 64.00 | 30.0 | 1057.5 | 20.0 | 444.5 | 20.0 | 648.0 |
| 06/16/81 | 70.00 | 48.00 | .02 | 41.00 | .26 | 74.00 | 66.00 | 19.0 | 1076.5 | 9.0 | 453.5 | 10.0 | 658.0 |
| 06/17/81 | 76.00 | 50.00 | 0 | 43.00 | .26 | 82.00 | 61.00 | 23.0 | 1099.5 | 13.0 | 466.5 | 13.0 | 671.0 |
| 06/18/81 | 82.00 | 57.00 | 0 | 82.00 | .33 | 82.00 | 61.00 | 29.5 | 1129.0 | 19.5 | 486.0 | 19.5 | 690.5 |
| 06/19/81 | 70.00 | 47.00 | 0 | 51.00 | .30 | 84.00 | 65.00 | 18.5 | 1147.5 | 8.5 | 494.5 | 10.0 | 700.5 |
| 06/20/81 | 60.00 | 49.00 | 0 | 25.00 | .06 | 79.00 | 63.00 | 14.5 | 1162.0 | 4.5 | 499.0 | 5.0 | 705.5 |
| 06/21/81 | 69.00 | 53.00 | .04 | 12.00 | .06 | 76.00 | 62.00 | 21.0 | 1183.0 | 11.0 | 510.0 | 11.0 | 716.5 |
| 06/22/81 | 61.00 | 49.00 | .63 | 12.00 | .06 | 74.00 | 61.00 | 15.0 | 1198.0 | 5.0 | 515.0 | 5.5 | 722.0 |
| 06/23/81 | 67.00 | 51.00 | 0 | 32.00 | .11 | 71.00 | 61.00 | 19.0 | 1217.0 | 9.0 | 524.0 | 9.0 | 731.0 |
| 06/24/81 | 65.00 | 57.00 | .73 | 45.00 | .17 | 63.00 | 60.00 | 21.0 | 1238.0 | 11.0 | 535.0 | 11.0 | 742.0 |
| 06/25/81 | 76.00 | 64.00 | 0 | 37.00 | .28 | 82.00 | 61.00 | 30.0 | 1268.0 | 20.0 | 555.0 | 20.0 | 762.0 |
| 06/26/81 | 78.00 | 50.00 | 0 | 36.00 | .32 | 86.00 | 67.00 | 24.0 | 1292.0 | 14.0 | 569.0 | 14.0 | 776.0 |
| 06/27/81 | 82.00 | 58.00 | 0 | 23.00 | .17 | 88.00 | 67.00 | 30.0 | 1322.0 | 20.0 | 589.0 | 20.0 | 796.0 |
| 06/28/81 | 83.00 | 68.00 | 0 | 23.00 | .17 | 88.00 | 67.00 | 35.5 | 1357.5 | 25.5 | 614.5 | 25.5 | 821.5 |
| 06/29/81 | 78.00 | 58.00 | .16 | 28.00 | .18 | 90.00 | 67.00 | 28.0 | 1385.5 | 18.0 | 632.5 | 18.0 | 839.5 |
| 06/30/81 | 79.00 | 54.00 | 0 | 26.00 | .25 | 89.00 | 66.00 | 26.5 | 1412.0 | 16.5 | 649.0 | 16.5 | 856.0 |
| 07/01/81 | 81.00 | 50.00 | 0 | 16.00 | .32 | 91.00 | 67.00 | 25.5 | 1437.5 | 15.5 | 664.5 | 15.5 | 871.5 |
| 07/02/81 | 82.00 | 56.00 | 0 | 17.00 | .19 | 91.00 | 70.00 | 29.0 | 1466.5 | 19.0 | 683.5 | 19.0 | 890.5 |
| 07/03/81 | 83.00 | 65.00 | 0 | 17.00 | .26 | 91.00 | 73.00 | 34.0 | 1500.5 | 24.0 | 707.5 | 24.0 | 914.5 |
| 07/04/81 | 84.00 | 65.00 | 0 | 11.00 | .17 | 91.00 | 74.00 | 34.5 | 1535.0 | 24.5 | 732.0 | 24.5 | 939.0 |
| 07/05/81 | 85.00 | 59.00 | .29 | 9.00 | .28 | 92.00 | 73.00 | 32.0 | 1567.0 | 22.0 | 754.0 | 22.0 | 961.0 |
| 07/06/81 | 89.00 | 62.00 | 0 | 21.00 | .34 | 96.00 | 72.00 | 35.5 | 1602.5 | 25.5 | 779.5 | 24.0 | 985.0 |
| 07/07/81 | 90.00 | 67.00 | 0 | 57.00 | .38 | 97.00 | 72.00 | 38.5 | 1641.0 | 28.5 | 808.0 | 26.5 | 1011.5 |
| 07/08/81 | 90.00 | 73.00 | 0 | 0 | .23 | 95.00 | 79.00 | 41.5 | 1682.5 | 31.5 | 839.5 | 29.5 | 1041.0 |
| 07/09/81 | 87.00 | 54.00 | 0 | 0 | .41 | 94.00 | 74.00 | 30.5 | 1713.0 | 20.5 | 860.0 | 20.0 | 1061.0 |
| 07/10/81 | 87.00 | 54.00 | 0 | 0 | .31 | 95.00 | 76.00 | 30.5 | 1743.5 | 20.5 | 880.5 | 20.0 | 1081.0 |
| 07/11/81 | 83.00 | 65.00 | 0 | 0 | .30 | 92.00 | 75.00 | 34.0 | 1777.5 | 24.0 | 904.5 | 24.0 | 1105.0 |
| 07/12/81 | 89.00 | 64.00 | 2.44 | 0 | .34 | 91.00 | 73.00 | 36.5 | 1814.0 | 26.5 | 931.0 | 25.0 | 1130.0 |
| 07/13/81 | 82.00 | 65.00 | 0 | 0 | .17 | 90.00 | 75.00 | 33.5 | 1847.5 | 23.5 | 954.5 | 23.5 | 1153.5 |
| 07/14/81 | 87.00 | 64.00 | .02 | 0 | .29 | 90.00 | 73.00 | 35.5 | 1883.0 | 25.5 | 980.0 | 25.0 | 1178.5 |
| 07/15/81 | 74.00 | 58.00 | .07 | 0 | .14 | 78.00 | 72.00 | 26.0 | 1909.0 | 16.0 | 996.0 | 16.0 | 1194.5 |
| 07/16/81 | 68.00 | 58.00 | 0 | 0 | .07 | 73.00 | 69.00 | 23.0 | 1932.0 | 13.0 | 1009.0 | 13.0 | 1207.5 |
| 07/17/81 | 93.00 | 66.00 | 0 | 0 | .15 | 86.00 | 67.00 | 39.5 | 1971.5 | 29.5 | 1038.5 | 26.0 | 1233.5 |
| 07/18/81 | 86.00 | 62.00 | 0 | 0 | .29 | 93.00 | 76.00 | 34.0 | 2005.5 | 24.0 | 1062.5 | 24.0 | 1257.5 |
| 07/19/81 | 81.00 | 60.00 | 0 | 0 | .29 | 86.00 | 67.00 | 30.5 | 2036.0 | 20.5 | 1083.0 | 20.5 | 1278.0 |
| 07/20/81 | 87.00 | 60.00 | 0 | 0 | .29 | 93.00 | 76.00 | 33.5 | 2069.5 | 23.5 | 1106.5 | 23.0 | 1301.0 |
| 07/21/81 | 85.00 | 58.00 | 0 | 0 | .14 | 93.00 | 78.00 | 31.5 | 2101.0 | 21.5 | 1128.0 | 21.5 | 1322.5 |
| 07/22/81 | 69.00 | 55.00 | 0 | 0 | .09 | 80.00 | 74.00 | 22.0 | 2123.0 | 12.0 | 1140.0 | 12.0 | 1334.5 |
| 07/23/81 | 76.00 | 58.00 | .01 | 0 | .15 | 82.00 | 74.00 | 27.0 | 2150.0 | 17.0 | 1157.0 | 17.0 | 1351.5 |
| 07/24/81 | 80.00 | 62.00 | 0 | 0 | .13 | 84.00 | 73.00 | 31.0 | 2181.0 | 21.0 | 1178.0 | 21.0 | 1372.5 |
| 07/25/81 | 80.00 | 59.00 | 0 | 0 | .27 | 81.00 | 73.00 | 29.5 | 2210.5 | 19.5 | 1197.5 | 19.5 | 1392.0 |
| 07/26/81 | 74.00 | 55.00 | 0 | 0 | .14 | 86.00 | 73.00 | 24.5 | 2235.0 | 14.5 | 1212.0 | 14.5 | 1406.5 |
| 07/27/81 | 74.00 | 45.00 | 0 | 0 | .21 | 86.00 | 70.00 | 19.5 | 2254.5 | 9.5 | 1221.5 | 12.0 | 1418.5 |
| 07/28/81 | 68.00 | 46.00 | 0 | 0 | .21 | 75.00 | 68.00 | 17.0 | 2271.5 | 7.0 | 1228.5 | 9.0 | 1427.5 |
| 07/29/81 | 76.00 | 49.00 | 0 | 0 | .23 | 81.00 | 67.00 | 22.5 | 2294.0 | 12.5 | 1241.0 | 13.0 | 1440.5 |
| 07/30/81 | 74.00 | 56.00 | 0 | 0 | .22 | 78.00 | 68.00 | 25.0 | 2319.0 | 15.0 | 1256.0 | 15.0 | 1455.5 |
| 07/31/81 | 84.00 | 67.00 | .15 | 0 | .16 | 82.00 | 73.00 | 35.5 | 2354.5 | 25.5 | 1281.5 | 25.5 | 1481.0 |
| 08/01/81 | 77.00 | 65.00 | .26 | 0 | .16 | 81.00 | 72.00 | 31.0 | 2385.5 | 21.0 | 1302.5 | 21.0 | 1502.0 |
| 08/02/81 | 81.00 | 63.00 | 0 | 0 | .16 | 81.00 | 72.00 | 32.0 | 2417.5 | 22.0 | 1324.5 | 22.0 | 1524.0 |
| 08/03/81 | 81.00 | 63.00 | 0 | 0 | .23 | 81.00 | 72.00 | 32.0 | 2449.5 | 22.0 | 1346.5 | 22.0 | 1546.0 |
| 08/04/81 | 85.00 | 56.00 | 0 | 0 | .23 | 86.00 | 71.00 | 30.5 | 2480.0 | 20.5 | 1367.0 | 20.5 | 1566.5 |
| 08/05/81 | 84.00 | 62.00 | 0 | 0 | .25 | 92.00 | 71.00 | 33.0 | 2513.0 | 23.0 | 1390.0 | 23.0 | 1589.5 |
| 08/06/81 | 83.00 | 62.00 | .07 | 0 | .24 | 74.00 | 70.00 | 32.5 | 2545.5 | 22.5 | 1412.5 | 22.5 | 1612.0 |
| 08/07/81 | 78.00 | 62.00 | .12 | 0 | .21 | 86.00 | 71.00 | 30.0 | 2575.5 | 20.0 | 1432.5 | 20.0 | 1632.0 |
| 08/08/81 | 82.00 | 50.00 | 0 | 0 | .21 | 88.00 | 69.00 | 26.0 | 2601.5 | 16.0 | 1448.5 | 16.0 | 1648.0 |
| 08/09/81 | 73.00 | 59.00 | 0 | 0 | .21 | 81.00 | 70.00 | 26.0 | 2627.5 | 16.0 | 1464.5 | 16.0 | 1664.0 |
| 08/10/81 | 82.00 | 50.00 | .03 | 0 | .19 | 88.00 | 69.00 | 26.0 | 2653.5 | 16.0 | 1480.5 | 16.0 | 1680.0 |
| 08/11/81 | 78.00 | 55.00 | 0 | 0 | .27 | 86.00 | 67.00 | 26.5 | 2680.0 | 16.5 | 1497.0 | 16.5 | 1696.5 |
| 08/12/81 | 85.00 | 62.00 | 0 | 0 | .28 | 88.00 | 71.00 | 33.5 | 2713.5 | 23.5 | 1520.5 | 23.5 | 1720.0 |
| 08/13/81 | 90.00 | 63.00 | 0 | 0 | .26 | 89.00 | 74.00 | 36.5 | 2750.0 | 26.5 | 1547.0 | 24.5 | 1744.5 |
| 08/14/81 | 88.00 | 65.00 | .16 | 0 | .25 | 83.00 | 77.00 | 36.5 | 2786.5 | 26.5 | 1573.5 | 25.5 | 1770.0 |
| 08/15/81 | 80.00 | 62.00 | .03 | 50.00 | .25 | 84.00 | 69.00 | 31.0 | 2817.5 | 21.0 | 1594.5 | 21.0 | 1791.0 |
| 08/16/81 | 77.00 | 57.00 | 0 | 60.00 | .27 | 91.00 | 68.00 | 27.0 | 2844.5 | 17.0 | 1611.5 | 17.0 | 1808.0 |
| 08/17/81 | 75.00 | 45.00 | 0 | 59.00 | .23 | 80.00 | 66.00 | 20.0 | 2864.5 | 10.0 | 1621.5 | 12.5 | 1820.5 |
| 08/18/81 | 75.00 | 45.00 | 0 | 60.00 | .29 | 84.00 | 66.00 | 20.0 | 2884.5 | 10.0 | 1631.5 | 12.5 | 1833.0 |

| | | | | | | | | | | | | | |
|----------|-------|-------|------|--------|------|-------|-------|------|--------|------|--------|------|--------|
| 08/19/81 | 76.00 | 47.00 | 0 | 44.00 | -.25 | 85.00 | 67.00 | 21.5 | 2906.0 | 11.5 | 1643.0 | 13.0 | 1846.0 |
| 08/20/81 | 77.00 | 51.00 | 0 | 57.00 | -.26 | 84.00 | 68.00 | 24.0 | 2930.0 | 14.0 | 1657.0 | 14.0 | 1860.0 |
| 08/21/81 | 79.00 | 58.00 | 0 | 108.00 | -.31 | 83.00 | 68.00 | 28.5 | 2958.5 | 18.5 | 1675.5 | 18.5 | 1878.5 |
| 08/22/81 | 77.00 | 58.00 | 0 | 90.00 | -.20 | 77.00 | 67.00 | 27.5 | 2986.0 | 17.5 | 1693.0 | 17.5 | 1896.0 |
| 08/23/81 | 78.00 | 63.00 | 0 | 95.00 | -.20 | 78.00 | 68.00 | 30.5 | 3016.5 | 20.5 | 1713.5 | 20.5 | 1916.5 |
| 08/24/81 | 80.00 | 64.00 | .22 | 40.00 | -.10 | 78.00 | 68.00 | 32.0 | 3048.5 | 22.0 | 1735.5 | 22.0 | 1938.5 |
| 08/25/81 | 76.00 | 61.00 | .09 | | -.10 | 76.00 | 69.00 | 28.5 | 3077.0 | 18.5 | 1754.0 | 18.5 | 1957.0 |
| 08/26/81 | 70.00 | 61.00 | .85 | | -.12 | 70.00 | 69.00 | 25.5 | 3102.5 | 15.5 | 1769.5 | 15.5 | 1972.5 |
| 08/27/81 | 67.00 | 60.00 | .15 | | -.04 | 68.00 | 66.00 | 23.5 | 3126.0 | 13.5 | 1783.0 | 13.5 | 1986.0 |
| 08/28/81 | 71.00 | 55.00 | 0 | | -.14 | 70.00 | 64.00 | 23.0 | 3149.0 | 13.0 | 1796.0 | 13.0 | 1999.0 |
| 08/29/81 | 65.00 | 54.00 | 0 | | -.06 | 69.00 | 63.00 | 19.5 | 3168.5 | 9.5 | 1805.5 | 9.5 | 2008.5 |
| 08/30/81 | 75.00 | 57.00 | 0 | | -.14 | 77.00 | 64.00 | 26.0 | 3194.5 | 16.0 | 1821.5 | 16.0 | 2024.5 |
| 08/31/81 | 79.00 | 55.00 | 0 | | -.16 | 80.00 | 65.00 | 27.0 | 3221.5 | 17.0 | 1838.5 | 17.0 | 2041.5 |
| 09/01/81 | 78.00 | 54.00 | 0 | | -.20 | 74.00 | 67.00 | 26.0 | 3247.5 | 16.0 | 1854.5 | 16.0 | 2057.5 |
| 09/02/81 | 71.00 | 42.00 | 0 | | -.15 | 76.00 | 62.00 | 16.5 | 3264.0 | 6.5 | 1861.0 | 10.5 | 2068.0 |
| 09/03/81 | 72.00 | 46.00 | 0 | | -.20 | 76.00 | 61.00 | 19.0 | 3283.0 | 9.0 | 1870.0 | 11.0 | 2079.0 |
| 09/04/81 | 69.00 | 43.00 | 0 | | -.14 | 72.00 | 60.00 | 16.0 | 3299.0 | 6.0 | 1876.0 | 9.5 | 2088.5 |
| 09/05/81 | 71.00 | 42.00 | 0 | | -.19 | 74.00 | 58.00 | 16.5 | 3315.5 | 6.5 | 1882.5 | 10.5 | 2099.0 |
| 09/06/81 | 75.00 | 43.00 | 0 | | -.21 | 77.00 | 59.00 | 19.0 | 3334.5 | 9.0 | 1891.5 | 12.5 | 2111.5 |
| 09/07/81 | 81.00 | 54.00 | .23 | | -.27 | 78.00 | 63.00 | 27.5 | 3362.0 | 17.5 | 1909.0 | 17.5 | 2129.0 |
| 09/08/81 | 80.00 | 44.00 | 0 | | -.25 | 78.00 | 59.00 | 22.0 | 3384.0 | 12.0 | 1921.0 | 15.0 | 2144.0 |
| 09/09/81 | 76.00 | 54.00 | 0 | | -.25 | 77.00 | 61.00 | 25.0 | 3409.0 | 15.0 | 1936.0 | 15.0 | 2159.0 |
| 09/10/81 | 89.00 | 55.00 | 0 | | -.26 | 81.00 | 61.00 | 32.0 | 3441.0 | 22.0 | 1958.0 | 20.5 | 2179.5 |
| 09/11/81 | 88.00 | 59.00 | 0 | | -.19 | 86.00 | 67.00 | 33.5 | 3474.5 | 23.5 | 1981.5 | 22.5 | 2202.0 |
| 09/12/81 | 83.00 | 52.00 | 0 | | -.21 | 84.00 | 66.00 | 27.5 | 3502.0 | 17.5 | 1999.0 | 17.5 | 2219.5 |
| 09/13/81 | 81.00 | 44.00 | 0 | | -.24 | 83.00 | 65.00 | 22.5 | 3524.5 | 12.5 | 2011.5 | 15.5 | 2235.0 |
| 09/14/81 | 82.00 | 46.00 | 0 | | -.20 | 82.00 | 65.00 | 24.0 | 3548.5 | 14.0 | 2025.5 | 16.0 | 2251.0 |
| 09/15/81 | 69.00 | 46.00 | 0 | | -.16 | 75.00 | 62.00 | 17.5 | 3566.0 | 7.5 | 2033.0 | 9.5 | 2260.5 |
| 09/16/81 | 62.00 | 38.00 | .04 | | -.08 | 70.00 | 56.00 | 10.0 | 3576.0 | 0.0 | 2033.0 | 6.0 | 2266.5 |
| 09/17/81 | 56.00 | 36.00 | 0 | | -.10 | 62.00 | 53.00 | 6.0 | 3582.0 | 0.0 | 2033.0 | 3.0 | 2269.5 |
| 09/18/81 | 61.00 | 35.00 | 0 | | -.10 | 66.00 | 51.00 | 8.0 | 3590.0 | 0.0 | 2033.0 | 5.5 | 2275.0 |
| 09/19/81 | 72.00 | 36.00 | 0 | | -.15 | 67.00 | 52.00 | 14.0 | 3604.0 | 4.0 | 2037.0 | 11.0 | 2286.0 |
| 09/20/81 | 71.00 | 41.00 | 0 | | -.20 | 69.00 | 54.00 | 16.0 | 3620.0 | 6.0 | 2043.0 | 10.5 | 2296.5 |
| 09/21/81 | 72.00 | 36.00 | 0 | | -.27 | 71.00 | 52.00 | 14.0 | 3634.0 | 4.0 | 2047.0 | 11.0 | 2307.5 |
| 09/22/81 | 65.00 | 38.00 | 0 | | -.19 | 71.00 | 59.00 | 11.5 | 3645.5 | 1.5 | 2048.5 | 7.5 | 2315.0 |
| 09/23/81 | 60.00 | 40.00 | 0 | | -.12 | 66.00 | 56.00 | 10.0 | 3655.5 | 0.0 | 2048.5 | 5.0 | 2320.0 |
| 09/24/81 | 53.00 | 45.00 | .13 | | -.05 | 57.00 | 55.00 | 9.0 | 3664.5 | 0.0 | 2048.5 | 1.5 | 2321.5 |
| 09/25/81 | 64.00 | 48.00 | .05 | | -.06 | 65.00 | 54.00 | 16.0 | 3680.5 | 6.0 | 2054.5 | 7.0 | 2328.5 |
| 09/26/81 | 64.00 | 39.00 | .16 | | -.10 | 62.00 | 50.00 | 11.5 | 3692.0 | 1.5 | 2056.0 | 7.0 | 2335.5 |
| 09/27/81 | 64.00 | 45.00 | 0 | | -.15 | 62.00 | 46.00 | 14.5 | 3706.5 | 4.5 | 2060.5 | 7.0 | 2342.5 |
| 09/28/81 | 54.00 | 27.00 | 0 | | -.12 | 62.00 | 46.00 | .5 | 3707.0 | 0.0 | 2060.5 | 2.0 | 2344.5 |
| 09/29/81 | 58.00 | 32.00 | .08 | | -.11 | 59.00 | 49.00 | 5.0 | 3712.0 | 0.0 | 2060.5 | 4.0 | 2346.5 |
| 09/30/81 | 63.00 | 44.00 | .02 | | -.13 | 62.00 | 49.00 | 13.5 | 3725.5 | 3.5 | 2064.0 | 6.5 | 2355.0 |
| 10/01/81 | 50.00 | 36.00 | .06 | | -.05 | 55.00 | 49.00 | 3.0 | 3728.5 | 0.0 | 2064.0 | 0.0 | 2355.0 |
| 10/02/81 | 45.00 | 23.00 | .01 | | -.09 | 51.00 | 43.00 | 0.0 | 3728.5 | 0.0 | 2064.0 | 0.0 | 2355.0 |
| 10/03/81 | 54.00 | 26.00 | .43 | | -.10 | 55.00 | 40.00 | 0.0 | 3728.5 | 0.0 | 2064.0 | 2.0 | 2357.0 |
| 10/04/81 | 54.00 | 26.00 | .43 | | -.10 | 55.00 | 40.00 | 0.0 | 3728.5 | 0.0 | 2064.0 | 2.0 | 2359.0 |
| 10/05/81 | 54.00 | 26.00 | .44 | | -.09 | 55.00 | 40.00 | 0.0 | 3728.5 | 0.0 | 2064.0 | 2.0 | 2361.0 |
| 10/06/81 | 52.00 | 41.00 | .26 | | -.03 | 52.00 | 49.00 | 6.5 | 3735.0 | 0.0 | 2064.0 | 1.0 | 2362.0 |
| 10/07/81 | 54.00 | 28.00 | 0 | | -.12 | 56.00 | 43.00 | 1.0 | 3736.0 | 0.0 | 2064.0 | 2.0 | 2364.0 |
| 10/08/81 | 58.00 | 40.00 | 0 | | -.13 | 57.00 | 47.00 | 9.0 | 3745.0 | 0.0 | 2064.0 | 4.0 | 2366.0 |
| 10/09/81 | 61.00 | 39.00 | 0 | | -.19 | 57.00 | 48.00 | 10.0 | 3755.0 | 0.0 | 2064.0 | 5.5 | 2373.5 |
| 10/10/81 | 48.00 | 43.00 | .20 | | -.01 | 56.00 | 48.00 | 5.5 | 3760.5 | 0.0 | 2064.0 | 0.0 | 2373.5 |
| 10/11/81 | 62.00 | 46.00 | 0 | | -.07 | 58.00 | 48.00 | 14.0 | 3774.5 | 4.0 | 2068.0 | 6.0 | 2379.5 |
| 10/12/81 | 62.00 | 41.00 | 0 | | -.09 | 59.00 | 47.00 | 11.5 | 3786.0 | 1.5 | 2069.5 | 5.0 | 2385.5 |
| 10/13/81 | 60.00 | 54.00 | 0 | | -.15 | 57.00 | 56.00 | 17.0 | 3803.0 | 7.0 | 2076.5 | 7.0 | 2392.5 |
| 10/14/81 | 58.00 | 46.00 | 1.35 | | -.05 | 56.00 | 54.00 | 12.0 | 3815.0 | 2.0 | 2078.5 | 4.0 | 2396.5 |
| 10/15/81 | 56.00 | 36.00 | 0 | | -.09 | 58.00 | 49.00 | 6.0 | 3821.0 | 0.0 | 2078.5 | 3.0 | 2399.5 |
| 10/16/81 | 56.00 | 35.00 | 0 | | -.10 | 58.00 | 46.00 | 5.5 | 3826.5 | 0.0 | 2078.5 | 3.0 | 2402.5 |
| 10/17/81 | 63.00 | 47.00 | .45 | | -.06 | 58.00 | 43.00 | 15.0 | 3841.5 | 5.0 | 2083.5 | 6.5 | 2409.0 |
| 10/18/81 | 55.00 | 34.00 | 0 | | -.05 | 58.00 | 41.00 | 4.5 | 3846.0 | 0.0 | 2083.5 | 2.5 | 2411.5 |
| 10/19/81 | 52.00 | 25.00 | 0 | | -.05 | 58.00 | 39.00 | 0.0 | 3846.0 | 0.0 | 2083.5 | 1.0 | 2412.5 |
| 10/20/81 | 61.00 | 40.00 | 0 | | 0.0 | 50.00 | 45.00 | 10.5 | 3856.5 | .5 | 2084.0 | 5.5 | 2418.0 |
| 10/21/81 | 50.00 | 25.00 | 0 | | 0.0 | 51.00 | 43.00 | 0.0 | 3856.5 | 0.0 | 2084.0 | 0.0 | 2418.0 |
| 10/22/81 | 39.00 | 25.00 | 0 | | 0.0 | 43.00 | 38.00 | 0.0 | 3856.5 | 0.0 | 2084.0 | 0.0 | 2418.0 |
| 10/23/81 | 33.00 | 19.00 | 0 | | 0.0 | 40.00 | 36.00 | 0.0 | 3856.5 | 0.0 | 2084.0 | 0.0 | 2418.0 |
| 10/24/81 | 35.00 | 21.00 | .03 | | 0.0 | 40.00 | 35.00 | 0.0 | 3856.5 | 0.0 | 2084.0 | 0.0 | 2418.0 |
| 10/25/81 | 36.00 | 27.00 | 0 | | 0.0 | 40.00 | 35.00 | 0.0 | 3856.5 | 0.0 | 2084.0 | 0.0 | 2418.0 |
| 10/26/81 | 36.00 | 18.00 | 0 | | 0.0 | 40.00 | 35.00 | 0.0 | 3856.5 | 0.0 | 2084.0 | 0.0 | 2418.0 |
| 10/27/81 | 47.00 | 28.00 | 0 | | 0.0 | 40.00 | 36.00 | 0.0 | 3856.5 | 0.0 | 2084.0 | 0.0 | 2418.0 |
| 10/28/81 | 58.00 | 37.00 | 0 | | 0.0 | 48.00 | 41.00 | 7.5 | 3864.0 | 0.0 | 2084.0 | 4.0 | 2422.0 |
| 10/29/81 | 55.00 | 42.00 | 0 | | 0.0 | 47.00 | 43.00 | 9.5 | 3872.5 | 0.0 | 2084.0 | 2.5 | 2424.5 |
| 10/30/81 | 59.00 | 48.00 | 0 | | 0.0 | 49.00 | 47.00 | 13.5 | 3886.0 | 3.5 | 2087.5 | 4.5 | 2429.0 |
| 10/31/81 | 61.00 | 32.00 | 0 | | 0.0 | 49.00 | 47.00 | 6.5 | 3892.5 | 0.0 | 2087.5 | 5.5 | 2434.5 |

LOCATION: CROOKSTON

| DATE | MAXTEMP | MINTEMP | PRECIP | WIND | SOLAR | PAN | SOILMAX | SOILMIN | DEGREE DAYS | | | | | |
|----------|---------|---------|--------|--------|-------|-----|---------|---------|-------------|-------|-----------|-------|--------------|-------|
| | | | | | | | | | BASE = 40 | | BASE = 45 | | BASE = 50/86 | |
| | | | | | | | | | DAILY | ACCUM | DAILY | ACCUM | DAILY | ACCUM |
| 04/01/81 | 47.00 | 31.00 | .22 | | | | 36.00 | 31.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 04/02/81 | 63.00 | 37.00 | 0 | | | | 36.00 | 31.00 | 10.0 | 10.0 | 5.0 | 5.0 | 6.5 | 6.5 |
| 04/03/81 | 60.00 | 31.00 | 0 | | | | 39.00 | 37.00 | 5.5 | 15.5 | .5 | 5.5 | 5.0 | 11.5 |
| 04/04/81 | 41.00 | 28.00 | 0 | | | | | | 0.0 | 15.5 | 0.0 | 5.5 | 0.0 | 11.5 |
| 04/05/81 | 50.00 | 22.00 | 0 | | | | | | 0.0 | 15.5 | 0.0 | 5.5 | 0.0 | 11.5 |
| 04/06/81 | 61.00 | 32.00 | 0 | | | | 46.00 | 39.00 | 6.5 | 22.0 | 1.5 | 7.0 | 5.5 | 17.0 |
| 04/07/81 | 58.00 | 32.00 | 0 | | | | 49.00 | 36.00 | 5.0 | 27.0 | 0.0 | 7.0 | 4.0 | 21.0 |
| 04/08/81 | 58.00 | 25.00 | 0 | | | | 52.00 | 37.00 | 1.5 | 28.5 | 0.0 | 7.0 | 4.0 | 25.0 |
| 04/09/81 | 64.00 | 25.00 | 0 | | | | 52.00 | 36.00 | 4.5 | 33.0 | 0.0 | 7.0 | 7.0 | 32.0 |
| 04/10/81 | 64.00 | 40.00 | 0 | | | | 54.00 | 43.00 | 12.0 | 45.0 | 7.0 | 14.0 | 7.0 | 39.0 |
| 04/11/81 | 60.00 | 17.00 | 0 | | | | 54.00 | 37.00 | 0.0 | 45.0 | 0.0 | 14.0 | 5.0 | 44.0 |
| 04/12/81 | 65.00 | 24.00 | .02 | | | | 47.00 | 37.00 | 4.5 | 49.5 | 0.0 | 14.0 | 7.5 | 51.5 |
| 04/13/81 | 65.00 | 34.00 | 0 | | | | 47.00 | 43.00 | 9.5 | 59.0 | 4.5 | 18.5 | 7.5 | 59.0 |
| 04/14/81 | 48.00 | 13.00 | 0 | | | | 47.00 | 36.00 | 0.0 | 59.0 | 0.0 | 18.5 | 0.0 | 59.0 |
| 04/15/81 | 72.00 | 26.00 | 0 | | | | 51.00 | 39.00 | 9.0 | 68.0 | 4.0 | 22.5 | 11.0 | 70.0 |
| 04/16/81 | 76.00 | 43.00 | 0 | | | | 60.00 | 46.00 | 19.5 | 87.5 | 14.5 | 37.0 | 13.0 | 83.0 |
| 04/17/81 | 76.00 | 38.00 | 0 | | | | 62.00 | 50.00 | 17.0 | 104.5 | 12.0 | 49.0 | 13.0 | 96.0 |
| 04/18/81 | 62.00 | 18.00 | 0 | | | | 52.00 | 38.00 | 0.0 | 104.5 | 0.0 | 49.0 | 6.0 | 102.0 |
| 04/19/81 | 61.00 | 33.00 | 0 | | | | 53.00 | 45.00 | 7.0 | 111.5 | 2.0 | 51.0 | 5.5 | 107.5 |
| 04/20/81 | 56.00 | 19.00 | 0 | | | | 54.00 | 39.00 | 0.0 | 111.5 | 0.0 | 51.0 | 3.0 | 110.5 |
| 04/21/81 | 53.00 | 41.00 | 0 | | | | 53.00 | 47.00 | 7.0 | 118.5 | 2.0 | 53.0 | 1.5 | 112.0 |
| 04/22/81 | 47.00 | 37.00 | 0 | | | | 45.00 | 44.00 | 2.0 | 120.5 | 0.0 | 53.0 | 0.0 | 112.0 |
| 04/23/81 | 49.00 | 34.00 | 0 | | | | 44.00 | 42.00 | 1.5 | 122.0 | 0.0 | 53.0 | 0.0 | 112.0 |
| 04/24/81 | 60.00 | 25.00 | 0 | | | | 58.00 | 40.00 | 2.5 | 124.5 | 0.0 | 53.0 | 5.0 | 117.0 |
| 04/25/81 | 63.00 | 38.00 | .09 | | | | 56.00 | 48.00 | 10.5 | 135.0 | 5.5 | 58.5 | 6.5 | 123.5 |
| 04/26/81 | 74.00 | 37.00 | 0 | | | | 62.00 | 47.00 | 15.5 | 150.5 | 10.5 | 69.0 | 12.0 | 135.5 |
| 04/27/81 | 73.00 | 47.00 | .58 | | | | 62.00 | 53.00 | 20.0 | 170.5 | 15.0 | 84.0 | 11.5 | 147.0 |
| 04/28/81 | 61.00 | 43.00 | .05 | | | | 54.00 | 50.00 | 12.0 | 182.5 | 7.0 | 91.0 | 5.5 | 152.5 |
| 04/29/81 | 60.00 | 47.00 | .11 | | | | 58.00 | 51.00 | 13.5 | 196.0 | 8.5 | 99.5 | 5.0 | 157.5 |
| 04/30/81 | 61.00 | 41.00 | .19 | | | | 57.00 | 51.00 | 11.0 | 207.0 | 6.0 | 105.5 | 5.5 | 163.0 |
| 05/01/81 | 61.00 | 32.00 | 0 | 437.00 | | | 57.00 | 45.00 | 6.5 | 213.5 | 1.5 | 107.0 | 5.5 | 168.5 |
| 05/02/81 | 68.00 | 50.00 | .01 | 167.00 | | | 60.00 | 52.00 | 19.0 | 232.5 | 14.0 | 121.0 | 9.0 | 177.5 |
| 05/03/81 | 71.00 | 48.00 | 0 | 318.00 | | | 58.00 | 53.00 | 19.5 | 252.0 | 14.5 | 135.5 | 10.5 | 188.0 |
| 05/04/81 | 67.00 | 37.00 | 0 | 226.00 | | | 58.00 | 50.00 | 12.0 | 264.0 | 7.0 | 142.5 | 8.5 | 196.5 |
| 05/05/81 | 64.00 | 32.00 | 0 | 456.00 | | | 57.00 | 46.00 | 8.0 | 272.0 | 3.0 | 145.5 | 7.0 | 203.5 |
| 05/06/81 | 66.00 | 31.00 | 0 | 494.00 | | | 60.00 | 48.00 | 8.5 | 280.5 | 3.5 | 149.0 | 8.0 | 211.5 |
| 05/07/81 | 67.00 | 32.00 | 0 | 415.00 | | | 62.00 | 51.00 | 9.5 | 290.0 | 4.5 | 153.5 | 8.5 | 220.0 |
| 05/08/81 | 66.00 | 46.00 | .10 | 151.00 | | | 58.00 | 53.00 | 16.0 | 306.0 | 11.0 | 164.5 | 8.0 | 228.0 |
| 05/09/81 | 54.00 | 25.00 | .01 | 477.00 | | | 54.00 | 44.00 | 0.0 | 306.0 | 0.0 | 164.5 | 2.0 | 230.0 |
| 05/10/81 | 57.00 | 22.00 | 0 | 389.00 | | | 54.00 | 42.00 | 0.0 | 306.0 | 0.0 | 164.5 | 3.5 | 233.5 |
| 05/11/81 | 65.00 | 41.00 | 0 | 456.00 | .15 | | 60.00 | 49.00 | 13.0 | 319.0 | 8.0 | 172.5 | 7.5 | 241.0 |
| 05/12/81 | 67.00 | 36.00 | 0 | 493.00 | .39 | | 65.00 | 51.00 | 11.5 | 330.5 | 6.5 | 179.0 | 8.5 | 249.5 |
| 05/13/81 | 71.00 | 34.00 | 0 | 404.00 | .29 | | 66.00 | 53.00 | 12.5 | 343.0 | 7.5 | 186.5 | 10.5 | 260.0 |
| 05/14/81 | 74.00 | 42.00 | 0 | 348.00 | .23 | | 64.00 | 55.00 | 18.0 | 361.0 | 13.0 | 199.5 | 12.0 | 272.0 |
| 05/15/81 | 77.00 | 49.00 | 0 | 402.00 | .25 | | 69.00 | 58.00 | 23.0 | 384.0 | 19.0 | 217.5 | 13.5 | 285.5 |
| 05/16/81 | 74.00 | 48.00 | 0 | 352.00 | .42 | | 70.00 | 59.00 | 21.0 | 405.0 | 16.0 | 233.5 | 12.0 | 297.5 |
| 05/17/81 | 73.00 | 43.00 | 0 | 449.00 | .33 | | 69.00 | 58.00 | 18.0 | 423.0 | 13.0 | 246.5 | 11.5 | 309.0 |
| 05/18/81 | 74.00 | 39.00 | 0 | 439.00 | .30 | | 74.00 | 59.00 | 16.5 | 439.5 | 11.5 | 258.0 | 12.0 | 321.0 |
| 05/19/81 | 78.00 | 41.00 | 0 | 476.00 | .34 | | 77.00 | 61.00 | 19.5 | 459.0 | 14.5 | 272.5 | 14.0 | 335.0 |
| 05/20/81 | 81.00 | 43.00 | 0 | 309.00 | .45 | | 79.00 | 62.00 | 22.0 | 481.0 | 17.0 | 289.5 | 15.5 | 350.5 |
| 05/21/81 | 83.00 | 54.00 | 0 | 415.00 | .56 | | 77.00 | 65.00 | 28.5 | 509.5 | 23.5 | 313.0 | 18.5 | 369.0 |
| 05/22/81 | 82.00 | 63.00 | 0 | 284.00 | .49 | | 75.00 | 69.00 | 32.5 | 542.0 | 27.5 | 340.5 | 22.5 | 331.5 |
| 05/23/81 | 71.00 | 53.00 | 1.08 | 96.00 | .15 | | 74.00 | 63.00 | 22.0 | 564.0 | 17.0 | 357.5 | 12.0 | 403.5 |
| 05/24/81 | 63.00 | 55.00 | 1.01 | 79.00 | 0 | | 63.00 | 62.00 | 19.0 | 583.0 | 14.0 | 371.5 | 9.0 | 412.5 |
| 05/25/81 | 59.00 | 49.00 | .38 | 73.00 | .12 | | 63.00 | 58.00 | 14.0 | 597.0 | 9.0 | 380.5 | 4.5 | 417.0 |
| 05/26/81 | 59.00 | 49.00 | 0 | 162.00 | .09 | | 59.00 | 58.00 | 14.0 | 611.0 | 9.0 | 389.5 | 4.5 | 421.5 |
| 05/27/81 | 66.00 | 53.00 | 0 | 178.00 | .11 | | 62.00 | 59.00 | 19.5 | 630.5 | 14.5 | 404.0 | 9.5 | 431.0 |
| 05/28/81 | 73.00 | 51.00 | 0 | 393.00 | .12 | | 69.00 | 60.00 | 22.0 | 652.5 | 17.0 | 421.0 | 12.0 | 443.0 |
| 05/29/81 | 72.00 | 55.00 | .04 | 331.00 | .15 | | 71.00 | 63.00 | 23.5 | 676.0 | 18.5 | 439.5 | 13.5 | 456.5 |
| 05/30/81 | 67.00 | 37.00 | 0 | 425.00 | .26 | | 69.00 | 54.00 | 12.0 | 688.0 | 7.0 | 446.5 | 8.5 | 465.0 |
| 05/31/81 | 68.00 | 47.00 | 0 | 249.00 | .20 | | 70.00 | 58.00 | 17.5 | 705.5 | 12.5 | 459.0 | 9.0 | 474.0 |
| 06/01/81 | 67.00 | 53.00 | .93 | 66.00 | .17 | | 68.00 | 60.00 | 20.0 | 725.5 | 15.0 | 474.0 | 10.0 | 484.0 |
| 06/02/81 | 59.00 | 53.00 | .04 | 58.00 | 0 | | 60.00 | 60.00 | 16.0 | 741.5 | 11.0 | 485.0 | 6.0 | 490.0 |
| 06/03/81 | 77.00 | 48.00 | 0 | 383.00 | .13 | | 74.00 | 56.00 | 22.5 | 764.0 | 17.5 | 502.5 | 13.5 | 503.5 |
| 06/04/81 | 76.00 | 50.00 | .37 | 255.00 | .16 | | 75.00 | 63.00 | 23.0 | 787.0 | 18.0 | 520.5 | 13.0 | 516.5 |

| | | | | | | | | | | | | | |
|----------|-------|-------|------|--------|-----|-------|-------|------|--------|------|--------|------|--------|
| 06/05/81 | 74.00 | 54.00 | .18 | 383.00 | .21 | 72.00 | 60.00 | 24.0 | 811.0 | 19.0 | 539.5 | 14.0 | 530.5 |
| 06/06/81 | 75.00 | 53.00 | 0 | 506.00 | .08 | 71.00 | 60.00 | 24.0 | 835.0 | 19.0 | 558.5 | 14.0 | 544.5 |
| 06/07/81 | 65.00 | 58.00 | .04 | 390.00 | .15 | 77.00 | 66.00 | 21.5 | 856.5 | 16.5 | 575.0 | 11.5 | 556.0 |
| 06/08/81 | 71.00 | 52.00 | .01 | 289.00 | .30 | 79.00 | 62.00 | 21.5 | 878.0 | 16.5 | 591.5 | 11.5 | 567.5 |
| 06/09/81 | 73.00 | 47.00 | 0 | 402.00 | .03 | 74.00 | 60.00 | 20.0 | 898.0 | 15.0 | 606.5 | 11.5 | 579.0 |
| 06/10/81 | 73.00 | 47.00 | .01 | 444.00 | .27 | 72.00 | 60.00 | 20.0 | 918.0 | 15.0 | 621.5 | 11.5 | 590.5 |
| 06/11/81 | 77.00 | 53.00 | 0 | 498.00 | .30 | 78.00 | 62.00 | 25.0 | 943.0 | 20.0 | 641.5 | 15.0 | 605.5 |
| 06/12/81 | 78.00 | 46.00 | 0 | 392.00 | .30 | 78.00 | 64.00 | 22.0 | 965.0 | 17.0 | 658.5 | 14.0 | 619.5 |
| 06/13/81 | 79.00 | 61.00 | .65 | 181.00 | .15 | 79.00 | 68.00 | 30.0 | 995.0 | 25.0 | 683.5 | 20.0 | 639.5 |
| 06/14/81 | 74.00 | 61.00 | .14 | 104.00 | .01 | 72.00 | 68.00 | 27.5 | 1022.5 | 22.5 | 706.0 | 17.5 | 657.0 |
| 06/15/81 | 73.00 | 49.00 | .08 | 444.00 | .23 | 68.00 | 61.00 | 21.0 | 1043.5 | 16.0 | 722.0 | 11.5 | 668.5 |
| 06/16/81 | 78.00 | 45.00 | .03 | 514.00 | .30 | 73.00 | 58.00 | 21.5 | 1065.0 | 16.5 | 738.5 | 14.0 | 682.5 |
| 06/17/81 | 78.00 | 55.00 | .03 | 321.00 | .16 | 73.00 | 65.00 | 26.5 | 1091.5 | 21.5 | 760.0 | 16.5 | 699.0 |
| 06/18/81 | 68.00 | 46.00 | .01 | 401.00 | .33 | 65.00 | 60.00 | 17.0 | 1108.5 | 12.0 | 772.0 | 9.0 | 708.0 |
| 06/19/81 | 66.00 | 43.00 | 0 | 403.00 | .22 | 67.00 | 60.00 | 14.5 | 1123.0 | 9.5 | 781.5 | 8.0 | 716.0 |
| 06/20/81 | 72.00 | 47.00 | 0 | 434.00 | .15 | 73.00 | 61.00 | 19.5 | 1142.5 | 14.5 | 796.0 | 11.0 | 727.0 |
| 06/21/81 | 73.00 | 50.00 | 1.03 | 148.00 | .22 | 74.00 | 64.00 | 21.5 | 1164.0 | 16.5 | 812.5 | 11.5 | 738.5 |
| 06/22/81 | 68.00 | 48.00 | .01 | 415.00 | .16 | 71.00 | 56.00 | 18.0 | 1182.0 | 13.0 | 825.5 | 9.0 | 747.5 |
| 06/23/81 | 69.00 | 51.00 | .19 | 149.00 | .07 | 71.00 | 64.00 | 20.0 | 1202.0 | 15.0 | 840.5 | 10.0 | 757.5 |
| 06/24/81 | 75.00 | 54.00 | .02 | 485.00 | .51 | 71.00 | 62.00 | 24.5 | 1226.5 | 19.5 | 860.0 | 14.5 | 772.0 |
| 06/25/81 | 75.00 | 52.00 | .03 | 577.00 | .24 | 74.00 | 62.00 | 23.5 | 1250.0 | 19.5 | 878.5 | 13.5 | 785.5 |
| 06/26/81 | 79.00 | 49.00 | 0 | 226.00 | .47 | 82.00 | 64.00 | 24.0 | 1274.0 | 19.0 | 897.5 | 14.5 | 800.0 |
| 06/27/81 | 76.00 | 63.00 | .42 | 282.00 | .30 | 84.00 | 71.00 | 30.5 | 1304.5 | 25.5 | 923.0 | 20.5 | 820.5 |
| 06/28/81 | 77.00 | 64.00 | .73 | 545.00 | .21 | 76.00 | 70.00 | 30.5 | 1335.0 | 25.5 | 948.5 | 20.5 | 841.0 |
| 06/29/81 | 74.00 | 58.00 | 0 | 574.00 | .29 | 78.00 | 67.00 | 26.0 | 1361.0 | 21.0 | 969.5 | 16.0 | 857.0 |
| 06/30/81 | 78.00 | 51.00 | 0 | 344.00 | .23 | 80.00 | 66.00 | 24.5 | 1385.5 | 19.5 | 989.0 | 14.5 | 871.5 |
| 07/01/81 | 81.00 | 62.00 | 0 | 298.00 | .42 | 83.00 | 70.00 | 31.5 | 1417.0 | 26.5 | 1015.5 | 21.5 | 893.0 |
| 07/02/81 | 81.00 | 64.00 | 0 | 539.00 | .26 | 82.00 | 72.00 | 32.5 | 1449.5 | 27.5 | 1043.0 | 22.5 | 915.5 |
| 07/03/81 | 81.00 | 60.00 | .03 | 321.00 | .12 | 86.00 | 71.00 | 30.5 | 1480.0 | 25.5 | 1068.5 | 20.5 | 936.0 |
| 07/04/81 | 84.00 | 52.00 | 0 | 503.00 | .29 | 90.00 | 71.00 | 28.0 | 1508.0 | 23.0 | 1091.5 | 18.0 | 954.0 |
| 07/05/81 | 89.00 | 61.00 | 0 | 534.00 | .30 | 90.00 | 74.00 | 35.0 | 1543.0 | 30.0 | 1121.5 | 23.5 | 977.5 |
| 07/06/81 | 92.00 | 63.00 | 0 | 339.00 | .51 | 90.00 | 77.00 | 37.5 | 1580.5 | 32.5 | 1154.0 | 24.5 | 1002.0 |
| 07/07/81 | 91.00 | 70.00 | 0 | 589.00 | .40 | 93.00 | 78.00 | 40.5 | 1621.0 | 35.5 | 1189.5 | 28.0 | 1030.0 |
| 07/08/81 | 90.00 | 65.00 | 0 | 226.00 | .39 | 89.00 | 79.00 | 37.5 | 1658.5 | 32.5 | 1222.0 | 25.5 | 1055.5 |
| 07/09/81 | 87.00 | 47.00 | 0 | 315.00 | .27 | 84.00 | 70.00 | 27.0 | 1685.5 | 22.0 | 1244.0 | 18.0 | 1073.5 |
| 07/10/81 | 87.00 | 56.00 | .19 | 449.00 | .28 | 87.00 | 73.00 | 31.5 | 1717.0 | 26.5 | 1270.5 | 21.0 | 1094.5 |
| 07/11/81 | 82.00 | 63.00 | .94 | 358.00 | .09 | 77.00 | 71.00 | 32.5 | 1749.5 | 27.5 | 1298.0 | 22.5 | 1117.0 |
| 07/12/81 | 86.00 | 68.00 | .05 | 389.00 | .30 | 83.00 | 74.00 | 37.0 | 1786.5 | 32.0 | 1330.0 | 27.0 | 1144.0 |
| 07/13/81 | 87.00 | 58.00 | 0 | 358.00 | .06 | 81.00 | 72.00 | 32.5 | 1819.0 | 27.5 | 1357.5 | 22.0 | 1166.0 |
| 07/14/81 | 84.00 | 63.00 | .72 | 225.00 | .15 | 81.00 | 74.00 | 33.5 | 1852.5 | 28.5 | 1386.0 | 23.5 | 1189.5 |
| 07/15/81 | 71.00 | 61.00 | 0 | 327.00 | .07 | 74.00 | 70.00 | 26.0 | 1878.5 | 21.0 | 1407.0 | 16.0 | 1205.5 |
| 07/16/81 | 82.00 | 62.00 | 0 | 498.00 | .15 | 81.00 | 70.00 | 32.0 | 1910.5 | 27.0 | 1434.0 | 22.0 | 1227.5 |
| 07/17/81 | 81.00 | 60.00 | 0 | 477.00 | .32 | 83.00 | 71.00 | 30.5 | 1941.0 | 25.5 | 1459.5 | 20.5 | 1248.0 |
| 07/18/81 | 82.00 | 56.00 | 0 | 428.00 | .11 | 85.00 | 71.00 | 29.0 | 1970.0 | 24.0 | 1483.5 | 19.0 | 1267.0 |
| 07/19/81 | 81.00 | 63.00 | 0 | 51.00 | .30 | 88.00 | 77.00 | 32.0 | 2002.0 | 27.0 | 1510.5 | 22.0 | 1289.0 |
| 07/20/81 | 82.00 | 59.00 | 0 | 119.00 | .17 | 88.00 | 75.00 | 30.5 | 2032.5 | 25.5 | 1536.0 | 20.5 | 1309.5 |
| 07/21/81 | 79.00 | 52.00 | 0 | 494.00 | .22 | 90.00 | 73.00 | 25.5 | 2058.0 | 20.5 | 1556.5 | 19.5 | 1325.0 |
| 07/22/81 | 75.00 | 54.00 | .39 | 312.00 | .07 | 81.00 | 70.00 | 24.5 | 2082.5 | 19.5 | 1576.0 | 14.5 | 1339.5 |
| 07/23/81 | 75.00 | 54.00 | 0 | 119.00 | .10 | 72.00 | 67.00 | 24.5 | 2107.0 | 19.5 | 1595.5 | 14.5 | 1354.0 |
| 07/24/81 | 75.00 | 61.00 | .08 | 267.00 | .11 | 76.00 | 69.00 | 28.0 | 2135.0 | 23.0 | 1618.5 | 18.0 | 1372.0 |
| 07/25/81 | 74.00 | 46.00 | 0 | 248.00 | .17 | 76.00 | 62.00 | 20.0 | 2155.0 | 15.0 | 1633.5 | 12.0 | 1384.0 |
| 07/26/81 | 75.00 | 49.00 | 0 | 57.00 | .12 | 83.00 | 64.00 | 22.0 | 2177.0 | 17.0 | 1650.5 | 12.5 | 1396.5 |
| 07/27/81 | 75.00 | 51.00 | 0 | 512.00 | .19 | 86.00 | 65.00 | 23.0 | 2200.0 | 18.0 | 1668.5 | 13.0 | 1409.5 |
| 07/28/81 | 75.00 | 46.00 | 0 | 463.00 | .30 | 84.00 | 67.00 | 20.5 | 2220.5 | 15.5 | 1684.0 | 12.5 | 1422.0 |
| 07/29/81 | 80.00 | 56.00 | 0 | 423.00 | .23 | 84.00 | 71.00 | 28.0 | 2248.5 | 23.0 | 1707.0 | 18.0 | 1440.0 |
| 07/30/81 | 80.00 | 62.00 | 0 | 473.00 | .15 | 81.00 | 73.00 | 31.0 | 2279.5 | 26.0 | 1733.0 | 21.0 | 1461.0 |
| 07/31/81 | 85.00 | 62.00 | .72 | 180.00 | .30 | 81.00 | 72.00 | 33.5 | 2313.0 | 29.5 | 1761.5 | 23.5 | 1484.5 |
| 08/01/81 | 85.00 | 57.00 | 0 | 437.00 | .23 | 88.00 | 71.00 | 31.0 | 2344.0 | 26.0 | 1787.5 | 21.0 | 1505.5 |
| 08/02/81 | 85.00 | 61.00 | 0 | 359.00 | .23 | 88.00 | 75.00 | 33.0 | 2377.0 | 28.0 | 1815.5 | 23.0 | 1528.5 |
| 08/03/81 | 85.00 | 61.00 | .46 | 70.00 | .17 | 89.00 | 74.00 | 33.0 | 2410.0 | 29.0 | 1843.5 | 23.0 | 1551.5 |
| 08/04/81 | 84.00 | 57.00 | 0 | 315.00 | .14 | 85.00 | 70.00 | 30.5 | 2440.5 | 25.5 | 1869.0 | 20.5 | 1572.0 |
| 08/05/81 | 84.00 | 62.00 | .69 | 182.00 | .18 | 86.00 | 74.00 | 33.0 | 2473.5 | 28.0 | 1897.0 | 23.0 | 1595.0 |
| 08/06/81 | 76.00 | 61.00 | .28 | 79.00 | .01 | 77.00 | 71.00 | 28.5 | 2502.0 | 23.5 | 1920.5 | 18.5 | 1613.5 |
| 08/07/81 | 83.00 | 57.00 | .12 | 292.00 | .10 | 78.00 | 67.00 | 30.0 | 2532.0 | 25.0 | 1945.5 | 20.0 | 1633.5 |
| 08/08/81 | 83.00 | 59.00 | .11 | 224.00 | .33 | 78.00 | 69.00 | 31.0 | 2563.0 | 26.0 | 1971.5 | 21.0 | 1654.5 |
| 08/09/81 | 77.00 | 53.00 | 0 | 227.00 | .16 | 78.00 | 67.00 | 25.0 | 2586.0 | 20.0 | 1991.5 | 15.0 | 1669.5 |
| 08/10/81 | 81.00 | 47.00 | 0 | 250.00 | .14 | 83.00 | 64.00 | 24.0 | 2612.0 | 19.0 | 2010.5 | 15.5 | 1685.0 |
| 08/11/81 | 89.00 | 56.00 | 0 | 246.00 | .15 | 85.00 | 70.00 | 32.5 | 2644.5 | 27.5 | 2038.0 | 21.0 | 1706.0 |
| 08/12/81 | 89.00 | 61.00 | 0 | 228.00 | .12 | 84.00 | 73.00 | 35.0 | 2679.5 | 30.0 | 2068.0 | 23.5 | 1729.5 |
| 08/13/81 | 92.00 | 59.00 | 0 | 219.00 | .16 | 86.00 | 72.00 | 35.5 | 2715.0 | 30.5 | 2098.5 | 22.5 | 1752.0 |
| 08/14/81 | 85.00 | 65.00 | 0 | 262.00 | .21 | 88.00 | 72.00 | 35.0 | 2750.0 | 30.0 | 2128.5 | 25.0 | 1777.0 |
| 08/15/81 | 81.00 | 50.00 | 0 | 224.00 | .26 | 86.00 | 69.00 | 25.5 | 2775.5 | 20.5 | 2149.0 | 15.5 | 1792.5 |
| 08/16/81 | 73.00 | 46.00 | 0 | 298.00 | .11 | 86.00 | 66.00 | 19.5 | 2795.0 | 14.5 | 2163.5 | 11.5 | 1804.0 |
| 08/17/81 | 78.00 | 51.00 | 0 | 295.00 | .21 | 85.00 | 67.00 | 24.5 | 2819.5 | 19.5 | 2183.0 | 14.5 | 1818.5 |
| 08/18/81 | 82.00 | 54.00 | 0 | 298.00 | .25 | 85.00 | 70.00 | 28.0 | 2847.5 | 23.0 | 2206.0 | 13.0 | 1836.5 |

| | | | | | | | | | | | | | | |
|----------|-------|-------|------|--------|--------|------|-------|-------|------|--------|------|--------|------|--------|
| 08/19/81 | 82.00 | 57.00 | 0 | 74.00 | 282.00 | .22 | 86.00 | 71.00 | 29.5 | 2877.0 | 24.5 | 2230.5 | 19.5 | 1856.0 |
| 08/20/81 | 84.00 | 64.00 | 0 | 103.00 | 223.00 | .23 | 86.00 | 73.00 | 34.0 | 2911.0 | 29.0 | 2259.5 | 24.0 | 1880.0 |
| 08/21/81 | 85.00 | 43.00 | -17 | 134.00 | 224.00 | -17 | 85.00 | 73.00 | 24.0 | 2935.0 | 19.0 | 2278.5 | 17.5 | 1897.5 |
| 08/22/81 | 85.00 | 62.00 | 0 | 54.00 | 164.00 | .15 | 85.00 | 74.00 | 33.5 | 2968.5 | 28.5 | 2307.0 | 23.5 | 1921.0 |
| 08/23/81 | 78.00 | 63.00 | 0 | 14.00 | 86.00 | -.02 | 79.00 | 73.00 | 30.5 | 2999.0 | 25.5 | 2332.5 | 20.5 | 1941.5 |
| 08/24/81 | 74.00 | 65.00 | -.36 | 32.00 | 124.00 | -.14 | 78.00 | 73.00 | 29.5 | 3028.5 | 24.5 | 2357.0 | 19.5 | 1961.0 |
| 08/25/81 | 76.00 | 63.00 | -.02 | 47.00 | 172.00 | -.11 | 76.00 | 71.00 | 29.5 | 3058.0 | 24.5 | 2381.5 | 19.5 | 1980.5 |
| 08/26/81 | 81.00 | 59.00 | 0 | 31.00 | 243.00 | -.15 | 81.00 | 68.00 | 30.0 | 3088.0 | 25.0 | 2406.5 | 20.0 | 2000.5 |
| 08/27/81 | 81.00 | 54.00 | 0 | 29.00 | 274.00 | -.19 | 84.00 | 68.00 | 27.5 | 3115.5 | 22.5 | 2429.0 | 17.5 | 2018.0 |
| 08/28/81 | 78.00 | 48.00 | 0 | 29.00 | 249.00 | -.25 | 83.00 | 66.00 | 23.0 | 3138.5 | 18.0 | 2447.0 | 14.0 | 2032.0 |
| 08/29/81 | 78.00 | 62.00 | 0 | 58.00 | 215.00 | -.26 | 83.00 | 66.00 | 30.0 | 3168.5 | 25.0 | 2472.0 | 20.0 | 2052.0 |
| 08/30/81 | 85.00 | 61.00 | 0 | 141.00 | 249.00 | -.36 | 83.00 | 66.00 | 33.0 | 3201.5 | 28.0 | 2500.0 | 23.0 | 2075.0 |
| 08/31/81 | 85.00 | 61.00 | 1.48 | 24.00 | 47.00 | -.08 | 85.00 | 71.00 | 33.0 | 3234.5 | 28.0 | 2528.0 | 23.0 | 2098.0 |
| 09/01/81 | 67.00 | 44.00 | 0 | 74.00 | 161.00 | -.08 | 73.00 | 60.00 | 15.5 | 3250.0 | 10.5 | 2538.5 | 8.5 | 2106.5 |
| 09/02/81 | 76.00 | 49.00 | 0 | 72.00 | 258.00 | -.17 | 73.00 | 61.00 | 22.5 | 3272.5 | 17.5 | 2556.0 | 13.0 | 2119.5 |
| 09/03/81 | 76.00 | 48.00 | 0 | 85.00 | 227.00 | -.29 | 74.00 | 63.00 | 22.0 | 3294.5 | 17.0 | 2573.0 | 13.0 | 2132.5 |
| 09/04/81 | 68.00 | 39.00 | 0 | 40.00 | 155.00 | -.18 | 80.00 | 58.00 | 13.5 | 3308.0 | 8.5 | 2581.5 | 9.0 | 2141.5 |
| 09/05/81 | 76.00 | 49.00 | 0 | 156.00 | 244.00 | -.20 | 76.00 | 59.00 | 22.5 | 3330.5 | 17.5 | 2599.0 | 13.0 | 2154.5 |
| 09/06/81 | 76.00 | 64.00 | 1.81 | 140.00 | 160.00 | -.14 | 75.00 | 60.00 | 30.0 | 3360.5 | 25.0 | 2624.0 | 20.0 | 2174.5 |
| 09/07/81 | 72.00 | 51.00 | 0 | 25.00 | 230.00 | -.22 | 77.00 | 60.00 | 21.5 | 3382.0 | 16.5 | 2640.5 | 11.5 | 2186.0 |
| 09/08/81 | 79.00 | 47.00 | 0 | 14.00 | 252.00 | -.04 | 77.00 | 57.00 | 23.0 | 3405.0 | 18.0 | 2658.5 | 14.5 | 2200.5 |
| 09/09/81 | 87.00 | 57.00 | 0 | 40.00 | 264.00 | -.12 | 82.00 | 65.00 | 32.0 | 3437.0 | 27.0 | 2685.5 | 21.5 | 2222.0 |
| 09/10/81 | 87.00 | 52.00 | 0 | 18.00 | 270.00 | -.19 | 82.00 | 66.00 | 29.5 | 3466.5 | 24.5 | 2710.0 | 19.0 | 2241.0 |
| 09/11/81 | 87.00 | 56.00 | 0 | 52.00 | 316.00 | -.22 | 83.00 | 68.00 | 31.5 | 3498.0 | 26.5 | 2736.5 | 21.0 | 2262.0 |
| 09/12/81 | 87.00 | 51.00 | 0 | 41.00 | 344.00 | -.26 | 81.00 | 66.00 | 29.0 | 3527.0 | 24.0 | 2760.5 | 18.5 | 2280.5 |
| 09/13/81 | 86.00 | 51.00 | 0 | 39.00 | 320.00 | -.26 | 80.00 | 65.00 | 28.5 | 3555.5 | 23.5 | 2784.0 | 18.5 | 2299.0 |
| 09/14/81 | 77.00 | 42.00 | 0 | 17.00 | 117.00 | -.07 | 80.00 | 61.00 | 19.5 | 3575.0 | 14.5 | 2798.5 | 13.5 | 2312.5 |
| 09/15/81 | 66.00 | 45.00 | 0 | 50.00 | 140.00 | -.12 | 69.00 | 59.00 | 15.5 | 3590.5 | 10.5 | 2809.0 | 8.0 | 2320.5 |
| 09/16/81 | 60.00 | 36.00 | 0 | 54.00 | 135.00 | -.13 | 65.00 | 55.00 | 8.0 | 3598.5 | 3.0 | 2812.0 | 5.0 | 2325.5 |
| 09/17/81 | 65.00 | 34.00 | 0 | 22.00 | 252.00 | -.08 | 69.00 | 54.00 | 9.5 | 3608.0 | 4.5 | 2816.5 | 7.5 | 2333.0 |
| 09/18/81 | 78.00 | 41.00 | 0 | 39.00 | 229.00 | -.12 | 69.00 | 56.00 | 19.5 | 3627.5 | 14.5 | 2831.0 | 14.0 | 2347.5 |
| 09/19/81 | 78.00 | 43.00 | 0 | 19.00 | 199.00 | -.18 | 72.00 | 58.00 | 20.5 | 3648.0 | 15.5 | 2846.5 | 14.0 | 2361.0 |
| 09/20/81 | 70.00 | 39.00 | 0 | 17.00 | 167.00 | -.10 | 74.00 | 57.00 | 14.5 | 3662.5 | 9.5 | 2856.0 | 10.0 | 2371.0 |
| 09/21/81 | 70.00 | 43.00 | 0 | 11.00 | 129.00 | -.07 | 74.00 | 58.00 | 16.5 | 3679.0 | 11.5 | 2867.5 | 10.0 | 2381.0 |
| 09/22/81 | 66.00 | 48.00 | 0 | 88.00 | 90.00 | -.10 | 69.00 | 59.00 | 17.0 | 3696.0 | 12.0 | 2879.5 | 8.0 | 2389.0 |
| 09/23/81 | 62.00 | 48.00 | 1.07 | 114.00 | 23.00 | -.02 | 63.00 | 57.00 | 15.0 | 3711.0 | 10.0 | 2889.5 | 6.0 | 2395.0 |
| 09/24/81 | 63.00 | 40.00 | 0 | 21.00 | 81.00 | -.03 | 60.00 | 52.00 | 11.5 | 3722.5 | 6.5 | 2896.0 | 6.5 | 2401.5 |
| 09/25/81 | 67.00 | 49.00 | 0 | 38.00 | 65.00 | -.12 | 61.00 | 56.00 | 18.0 | 3740.5 | 13.0 | 2909.0 | 8.5 | 2410.0 |
| 09/26/81 | 63.00 | 49.00 | -.10 | 133.00 | 32.00 | -.08 | 64.00 | 53.00 | 16.0 | 3756.5 | 11.0 | 2920.0 | 6.5 | 2416.5 |
| 09/27/81 | 54.00 | 43.00 | 0 | 190.00 | 106.00 | -.08 | 53.00 | 51.00 | 8.5 | 3765.0 | 3.5 | 2923.5 | 2.0 | 2418.5 |
| 09/28/81 | 64.00 | 28.00 | 0 | 37.00 | 39.00 | -.03 | 53.00 | 44.00 | 6.0 | 3771.0 | 1.0 | 2924.5 | 7.0 | 2425.5 |
| 09/29/81 | 56.00 | 40.00 | 0 | 104.00 | 114.00 | -.05 | 53.00 | 46.00 | 8.0 | 3779.0 | 3.0 | 2927.5 | 3.0 | 2428.5 |
| 09/30/81 | 56.00 | 42.00 | -.62 | 67.00 | 11.00 | 0 | 53.00 | 49.00 | 9.0 | 3788.0 | 4.0 | 2931.5 | 3.0 | 2431.5 |
| 10/01/81 | 51.00 | 32.00 | -.50 | 92.00 | 92.00 | -.05 | 51.00 | 45.00 | 1.5 | 3789.5 | 0.0 | 2931.5 | .5 | 2432.0 |
| 10/02/81 | 56.00 | 34.00 | 0 | 58.00 | 129.00 | -.04 | 57.00 | 44.00 | 5.0 | 3794.5 | 0.0 | 2931.5 | 3.0 | 2435.0 |
| 10/03/81 | 62.00 | 46.00 | 0 | 175.00 | 54.00 | -.06 | 57.00 | 42.00 | 14.0 | 3808.5 | 9.0 | 2940.5 | 6.0 | 2441.0 |
| 10/04/81 | 55.00 | 42.00 | -.39 | 42.00 | 67.00 | -.05 | 52.00 | 48.00 | 8.5 | 3817.0 | 3.5 | 2944.0 | 2.5 | 2443.5 |
| 10/05/81 | 53.00 | 42.00 | -.37 | 10.00 | 23.00 | -.03 | 53.00 | 53.00 | 7.5 | 3824.5 | 2.5 | 2946.5 | 1.5 | 2445.0 |
| 10/06/81 | 56.00 | 33.00 | -.05 | 43.00 | 133.00 | -.03 | 56.00 | 45.00 | 4.5 | 3829.0 | 0.0 | 2946.5 | 3.0 | 2448.0 |
| 10/07/81 | 59.00 | 31.00 | 0 | 54.00 | 117.00 | -.10 | 59.00 | 44.00 | 5.0 | 3834.0 | 0.0 | 2946.5 | 4.5 | 2452.5 |
| 10/08/81 | 63.00 | 47.00 | 0 | 178.00 | 92.00 | -.18 | 55.00 | 49.00 | 15.0 | 3849.0 | 10.0 | 2956.5 | 6.5 | 2459.0 |
| 10/09/81 | 58.00 | 43.00 | -.12 | 135.00 | 96.00 | -.06 | 58.00 | 52.00 | 10.5 | 3859.5 | 5.5 | 2962.0 | 4.0 | 2463.0 |
| 10/10/81 | 63.00 | 45.00 | 0 | 129.00 | 59.00 | -.11 | 58.00 | 53.00 | 14.0 | 3873.5 | 9.0 | 2971.0 | 6.5 | 2469.5 |
| 10/11/81 | 67.00 | 51.00 | 0 | 165.00 | 90.00 | -.15 | 55.00 | 51.00 | 19.0 | 3892.5 | 14.0 | 2985.0 | 9.0 | 2478.5 |
| 10/12/81 | 67.00 | 41.00 | -.90 | 82.00 | 13.00 | -.02 | 53.00 | 51.00 | 14.0 | 3906.5 | 9.0 | 2994.0 | 8.5 | 2487.0 |
| 10/13/81 | 56.00 | 42.00 | -.05 | 99.00 | 90.00 | -.05 | 54.00 | 52.00 | 9.0 | 3915.5 | 4.0 | 2998.0 | 3.0 | 2490.0 |
| 10/14/81 | 51.00 | 38.00 | 0 | 34.00 | 124.00 | -.08 | 55.00 | 48.00 | 4.5 | 3920.0 | 0.0 | 2998.0 | .5 | 2490.5 |
| 10/15/81 | 57.00 | 36.00 | 0 | 33.00 | 85.00 | -.06 | 55.00 | 46.00 | 6.5 | 3926.5 | 1.5 | 2999.5 | 3.5 | 2494.0 |
| 10/16/81 | 67.00 | 38.00 | 0 | 44.00 | 134.00 | -.08 | 57.00 | 47.00 | 12.5 | 3939.0 | 7.5 | 3007.0 | 8.5 | 2502.5 |
| 10/17/81 | 67.00 | 45.00 | -.21 | 102.00 | 33.00 | -.01 | 57.00 | 52.00 | 16.0 | 3955.0 | 11.0 | 3018.0 | 8.5 | 2511.0 |
| 10/18/81 | 45.00 | 32.00 | -.01 | 99.00 | 94.00 | -.07 | 50.00 | 43.00 | 0.0 | 3955.0 | 0.0 | 3018.0 | 0.0 | 2511.0 |
| 10/19/81 | 62.00 | 28.00 | 0 | 77.00 | 99.00 | -.04 | 50.00 | 41.00 | 5.0 | 3960.0 | 0.0 | 3018.0 | 6.0 | 2517.0 |
| 10/20/81 | 60.00 | 36.00 | 0 | 75.00 | 98.00 | -.03 | 50.00 | 46.00 | 8.0 | 3968.0 | 3.0 | 3021.0 | 5.0 | 2522.0 |
| 10/21/81 | 36.00 | 24.00 | -.02 | 54.00 | 54.00 | 0.0 | 48.00 | 40.00 | 0.0 | 3968.0 | 0.0 | 3021.0 | 0.0 | 2522.0 |
| 10/22/81 | 30.00 | 24.00 | 0 | 92.00 | 56.00 | 0.0 | 39.00 | 37.00 | 0.0 | 3968.0 | 0.0 | 3021.0 | 0.0 | 2522.0 |
| 10/23/81 | 29.00 | 18.00 | 0 | 79.00 | 54.00 | 0.0 | 35.00 | 35.00 | 0.0 | 3968.0 | 0.0 | 3021.0 | 0.0 | 2522.0 |
| 10/24/81 | 35.00 | 24.00 | 0 | 76.00 | 42.00 | 0.0 | 35.00 | 35.00 | 0.0 | 3968.0 | 0.0 | 3021.0 | 0.0 | 2522.0 |
| 10/25/81 | 30.00 | 20.00 | -.02 | 102.00 | 130.00 | 0.0 | 35.00 | 35.00 | 0.0 | 3968.0 | 0.0 | 3021.0 | 0.0 | 2522.0 |
| 10/26/81 | 54.00 | 22.00 | 0 | 111.00 | 86.00 | 0.0 | 38.00 | 35.00 | 0.0 | 3968.0 | 0.0 | 3021.0 | 2.0 | 2524.0 |
| 10/27/81 | 54.00 | 27.00 | 0 | 50.00 | 73.00 | 0.0 | 40.00 | 37.00 | .5 | 3968.5 | 0.0 | 3021.0 | 2.0 | 2526.0 |
| 10/28/81 | 60.00 | 32.00 | 0 | 132.00 | 40.00 | 0.0 | 47.00 | 40.00 | 6.0 | 3974.5 | 1.0 | 3022.0 | 5.0 | 2531.0 |
| 10/29/81 | 59.00 | 44.00 | 0 | 160.00 | 70.00 | 0.0 | 48.00 | 47.00 | 11.5 | 3986.0 | 6.5 | 3028.5 | 4.5 | 2535.5 |
| 10/30/81 | 55.00 | 48.00 | -.09 | 177.00 | 48.00 | 0.0 | 48.00 | 46.00 | 11.5 | 3997.5 | 6.5 | 3035.0 | 2.5 | 2538.0 |
| 10/31/81 | 59.00 | 41.00 | 0 | 75.00 | 108.00 | 0.0 | 49.00 | 42.00 | 10.0 | 4007.5 | 5.0 | 3040.0 | 4.5 | 2542.5 |

LOCATION: GRAND RAPIDS

DEGREE DAYS

| DATE | MAXTEMP | MINTEMP | PRECIP | WIND | SOLAR | BASE = 40 | | BASE = 50 | | BASE = 50/86 | |
|----------|---------|---------|--------|------|--------|-----------|-------|-----------|-------|--------------|-------|
| | | | | | | DAILY | ACCUM | DAILY | ACCUM | DAILY | ACCUM |
| 04/01/81 | 46.00 | 32.00 | .24 | | 209.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 04/02/81 | 67.00 | 28.00 | 0 | | 378.00 | 7.5 | 7.5 | 0.0 | 0.0 | 8.5 | 8.5 |
| 04/03/81 | 67.00 | 39.00 | .21 | | 52.00 | 13.0 | 20.5 | 3.0 | 3.0 | 8.5 | 17.0 |
| 04/04/81 | 41.00 | 27.00 | .03 | | 112.00 | 0.0 | 20.5 | 0.0 | 3.0 | 0.0 | 17.0 |
| 04/05/81 | 49.00 | 20.00 | 0 | | 465.00 | 0.0 | 20.5 | 0.0 | 3.0 | 0.0 | 17.0 |
| 04/06/81 | 57.00 | 23.00 | 0 | | 364.00 | 0.0 | 20.5 | 0.0 | 3.0 | 3.5 | 20.5 |
| 04/07/81 | 59.00 | 33.00 | .08 | | 387.00 | 6.0 | 26.5 | 0.0 | 3.0 | 4.5 | 25.0 |
| 04/08/81 | 58.00 | 29.00 | 0 | | 409.00 | 3.5 | 30.0 | 0.0 | 3.0 | 4.0 | 29.0 |
| 04/09/81 | 64.00 | 27.00 | 0 | | 388.00 | 5.5 | 35.5 | 0.0 | 3.0 | 7.0 | 36.0 |
| 04/10/81 | 65.00 | 41.00 | .23 | | 407.00 | 13.0 | 48.5 | 3.0 | 6.0 | 7.5 | 43.5 |
| 04/11/81 | 62.00 | 34.00 | 0 | | 215.00 | 8.0 | 56.5 | 0.0 | 6.0 | 6.0 | 49.5 |
| 04/12/81 | 54.00 | 29.00 | 0 | | 237.00 | 1.5 | 58.0 | 0.0 | 6.0 | 2.0 | 51.5 |
| 04/13/81 | 54.00 | 36.00 | .70 | | 85.00 | 5.0 | 63.0 | 0.0 | 6.0 | 2.0 | 53.5 |
| 04/14/81 | 45.00 | 18.00 | 0 | | 501.00 | 0.0 | 63.0 | 0.0 | 6.0 | 0.0 | 53.5 |
| 04/15/81 | 63.00 | 23.00 | 0 | | 477.00 | 3.0 | 66.0 | 0.0 | 6.0 | 6.5 | 60.0 |
| 04/16/81 | 62.00 | 35.00 | .18 | | 240.00 | 8.5 | 74.5 | 0.0 | 6.0 | 6.0 | 66.0 |
| 04/17/81 | 58.00 | 41.00 | 0 | | 290.00 | 9.5 | 84.0 | 0.0 | 6.0 | 4.0 | 70.0 |
| 04/18/81 | 58.00 | 24.00 | 0 | | 401.00 | 1.0 | 85.0 | 0.0 | 6.0 | 4.0 | 74.0 |
| 04/19/81 | 53.00 | 36.00 | 0 | | 448.00 | 4.5 | 89.5 | 0.0 | 6.0 | 1.5 | 75.5 |
| 04/20/81 | 50.00 | 24.00 | 0 | | 497.00 | 0.0 | 89.5 | 0.0 | 6.0 | 0.0 | 75.5 |
| 04/21/81 | 49.00 | 28.00 | .12 | | 53.00 | 0.0 | 89.5 | 0.0 | 6.0 | 0.0 | 75.5 |
| 04/22/81 | 53.00 | 33.00 | .45 | | 62.00 | 3.0 | 92.5 | 0.0 | 6.0 | 1.5 | 77.0 |
| 04/23/81 | 46.00 | 33.00 | .98 | | 78.00 | 0.0 | 92.5 | 0.0 | 6.0 | 0.0 | 77.0 |
| 04/24/81 | 45.00 | 34.00 | 0 | | 167.00 | 0.0 | 92.5 | 0.0 | 6.0 | 0.0 | 77.0 |
| 04/25/81 | 51.00 | 25.00 | 0 | | 231.00 | 0.0 | 92.5 | 0.0 | 6.0 | .5 | 77.5 |
| 04/26/81 | 70.00 | 33.00 | 0 | | 482.00 | 11.5 | 104.0 | 1.5 | 7.5 | 10.0 | 87.5 |
| 04/27/81 | 71.00 | 32.00 | .43 | | 46.00 | 11.5 | 115.5 | 1.5 | 9.0 | 10.5 | 98.0 |
| 04/28/81 | 61.00 | 42.00 | .02 | | 223.00 | 11.5 | 127.0 | 1.5 | 10.5 | 5.5 | 103.5 |
| 04/29/81 | 57.00 | 43.00 | .03 | | 127.00 | 10.0 | 137.0 | 0.0 | 10.5 | 3.5 | 107.0 |
| 04/30/81 | 58.00 | 40.00 | .39 | | 162.00 | 9.0 | 146.0 | 0.0 | 10.5 | 4.0 | 111.0 |
| 05/01/81 | 61.00 | 35.00 | .26 | | 458.00 | 8.0 | 154.0 | 0.0 | 10.5 | 5.5 | 116.5 |
| 05/02/81 | 69.00 | 40.00 | 0 | | 338.00 | 14.5 | 168.5 | 4.5 | 15.0 | 9.5 | 126.0 |
| 05/03/81 | 72.00 | 49.00 | .13 | | 248.00 | 20.5 | 189.0 | 10.5 | 25.5 | 11.0 | 137.0 |
| 05/04/81 | 70.00 | 49.00 | 0 | | 273.00 | 19.5 | 208.5 | 9.5 | 35.0 | 10.0 | 147.0 |
| 05/05/81 | 61.00 | 38.00 | .03 | | 511.00 | 9.5 | 218.0 | 0.0 | 35.0 | 5.5 | 152.5 |
| 05/06/81 | 65.00 | 29.00 | 0 | | 534.00 | 7.0 | 225.0 | 0.0 | 35.0 | 7.5 | 160.0 |
| 05/07/81 | 68.00 | 32.00 | 0 | | 497.00 | 10.0 | 235.0 | 0.0 | 35.0 | 9.0 | 169.0 |
| 05/08/81 | 67.00 | 40.00 | 0 | | 410.00 | 13.5 | 248.5 | 3.5 | 38.5 | 8.5 | 177.5 |
| 05/09/81 | 60.00 | 29.00 | .26 | | 484.00 | 4.5 | 253.0 | 0.0 | 38.5 | 5.0 | 182.5 |
| 05/10/81 | 57.00 | 23.00 | 0 | | 363.00 | 0.0 | 253.0 | 0.0 | 38.5 | 3.5 | 186.0 |
| 05/11/81 | 62.00 | 30.00 | 0 | | 448.00 | 6.0 | 259.0 | 0.0 | 38.5 | 6.0 | 192.0 |
| 05/12/81 | 68.00 | 30.00 | 0 | | 565.00 | 9.0 | 268.0 | 0.0 | 38.5 | 9.0 | 201.0 |
| 05/13/81 | 71.00 | 29.00 | 0 | | 437.00 | 10.0 | 278.0 | 0.0 | 38.5 | 10.5 | 211.5 |
| 05/14/81 | 74.00 | 35.00 | 0 | | 458.00 | 14.5 | 292.5 | 4.5 | 43.0 | 12.0 | 223.5 |
| 05/15/81 | 77.00 | 37.00 | 0 | | 398.00 | 17.0 | 309.5 | 7.0 | 50.0 | 13.5 | 237.0 |
| 05/16/81 | 73.00 | 45.00 | 0 | | 385.00 | 19.0 | 328.5 | 9.0 | 59.0 | 11.5 | 248.5 |
| 05/17/81 | 67.00 | 36.00 | 0 | | 506.00 | 11.5 | 340.0 | 1.5 | 60.5 | 8.5 | 257.0 |
| 05/18/81 | 71.00 | 29.00 | 0 | | 572.00 | 10.0 | 350.0 | 0.0 | 60.5 | 10.5 | 267.5 |
| 05/19/81 | 78.00 | 32.00 | 0 | | 541.00 | 15.0 | 365.0 | 5.0 | 65.5 | 14.0 | 281.5 |
| 05/20/81 | 82.00 | 41.00 | 0 | | 551.00 | 21.5 | 386.5 | 11.5 | 77.0 | 16.0 | 297.5 |
| 05/21/81 | 82.00 | 42.00 | 0 | | 522.00 | 22.0 | 408.5 | 12.0 | 89.0 | 16.0 | 313.5 |
| 05/22/81 | 81.00 | 53.00 | .18 | | 274.00 | 27.0 | 435.5 | 17.0 | 106.0 | 17.0 | 330.5 |
| 05/23/81 | 80.00 | 57.00 | .05 | | 146.00 | 28.5 | 464.0 | 18.5 | 124.5 | 18.5 | 349.0 |
| 05/24/81 | 69.00 | 57.00 | .27 | | 249.00 | 23.0 | 487.0 | 13.0 | 137.5 | 13.0 | 362.0 |
| 05/25/81 | 69.00 | 51.00 | .07 | | 172.00 | 20.0 | 507.0 | 10.0 | 147.5 | 10.0 | 372.0 |
| 05/26/81 | 64.00 | 44.00 | 0 | | 164.00 | 14.0 | 521.0 | 4.0 | 151.5 | 7.0 | 379.0 |
| 05/27/81 | 70.00 | 48.00 | 0 | | 474.00 | 19.0 | 540.0 | 9.0 | 160.5 | 10.0 | 389.0 |
| 05/28/81 | 71.00 | 52.00 | 0 | | 280.00 | 21.5 | 561.5 | 11.5 | 172.0 | 11.5 | 400.5 |
| 05/29/81 | 70.00 | 50.00 | .09 | | 362.00 | 20.0 | 581.5 | 10.0 | 182.0 | 10.0 | 410.5 |
| 05/30/81 | 66.00 | 42.00 | 0 | | 575.00 | 14.0 | 595.5 | 4.0 | 186.0 | 8.0 | 418.5 |
| 05/31/81 | 67.00 | 33.00 | 0 | | 292.00 | 18.0 | 605.5 | 0.0 | 186.0 | 8.5 | 427.0 |
| 06/01/81 | 66.00 | 50.00 | .14 | | 119.00 | 18.0 | 623.5 | 3.0 | 194.0 | 8.0 | 435.0 |
| 06/02/81 | 63.00 | 43.00 | .12 | | 116.00 | 13.0 | 636.5 | 3.0 | 197.0 | 6.5 | 441.5 |
| 06/03/81 | 74.00 | 55.00 | .32 | | 313.00 | 24.0 | 661.0 | 14.5 | 211.5 | 14.5 | 456.0 |
| 06/04/81 | 81.00 | 45.00 | 0 | | 447.00 | 23.0 | 684.0 | 13.0 | 224.5 | 15.5 | 471.5 |

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|----------|-------|-------|------|--------|------|--------|------|--------|------|--------|
| 06/05/81 | 79.00 | 54.00 | .26 | 474.00 | 26.5 | 710.5 | 16.5 | 241.0 | 16.5 | 488.0 |
| 06/06/81 | 80.00 | 52.00 | 0 | 550.00 | 26.0 | 736.5 | 16.0 | 257.0 | 16.0 | 504.0 |
| 06/07/81 | 77.00 | 50.00 | -.09 | 239.00 | 23.5 | 760.0 | 13.5 | 270.5 | 13.5 | 517.5 |
| 06/08/81 | 73.00 | 54.00 | 0 | 362.00 | 23.5 | 783.5 | 13.5 | 284.0 | 13.5 | 531.0 |
| 06/09/81 | 73.00 | 44.00 | 0 | 446.00 | 18.5 | 802.0 | 8.5 | 292.5 | 11.5 | 542.5 |
| 06/10/81 | 73.00 | 44.00 | -.01 | 363.00 | 18.5 | 820.5 | 8.5 | 301.0 | 11.5 | 554.0 |
| 06/11/81 | 77.00 | 46.00 | -.16 | 434.00 | 21.5 | 842.0 | 11.5 | 312.5 | 13.5 | 567.5 |
| 06/12/81 | 78.00 | 48.00 | 0 | 462.00 | 23.0 | 865.0 | 13.0 | 325.5 | 14.0 | 581.5 |
| 06/13/81 | 76.00 | 57.00 | -.71 | 81.00 | 26.5 | 891.5 | 16.5 | 342.0 | 16.5 | 598.0 |
| 06/14/81 | 76.00 | 60.00 | -.20 | 372.00 | 28.0 | 919.5 | 18.0 | 360.0 | 18.0 | 616.0 |
| 06/15/81 | 75.00 | 54.00 | -.08 | 424.00 | 24.5 | 944.0 | 14.5 | 374.5 | 14.5 | 630.5 |
| 06/16/81 | 71.00 | 47.00 | -.02 | 372.00 | 19.0 | 963.0 | 9.0 | 383.5 | 10.5 | 641.0 |
| 06/17/81 | 76.00 | 51.00 | 0 | 327.00 | 23.5 | 986.5 | 13.5 | 397.0 | 13.5 | 654.5 |
| 06/18/81 | 72.00 | 50.00 | -.03 | 335.00 | 21.0 | 1007.5 | 11.0 | 408.0 | 11.0 | 665.5 |
| 06/19/81 | 66.00 | 44.00 | 0 | 264.00 | 15.0 | 1022.5 | 5.0 | 413.0 | 8.0 | 673.5 |
| 06/20/81 | 71.00 | 51.00 | -.45 | 359.00 | 21.0 | 1043.5 | 11.0 | 424.0 | 11.0 | 684.5 |
| 06/21/81 | 69.00 | 50.00 | -.56 | 178.00 | 19.5 | 1063.0 | 9.5 | 433.5 | 9.5 | 694.0 |
| 06/22/81 | 67.00 | 48.00 | -.03 | 326.00 | 17.5 | 1080.5 | 7.5 | 441.0 | 8.5 | 702.5 |
| 06/23/81 | 68.00 | 45.00 | -.70 | 98.00 | 16.5 | 1097.0 | 6.5 | 447.5 | 9.0 | 711.5 |
| 06/24/81 | 73.00 | 54.00 | -.05 | 380.00 | 23.5 | 1120.5 | 13.5 | 461.0 | 13.5 | 725.0 |
| 06/25/81 | 75.00 | 47.00 | -.04 | 424.00 | 21.0 | 1141.5 | 11.0 | 472.0 | 12.5 | 737.5 |
| 06/26/81 | 76.00 | 47.00 | -.08 | 472.00 | 21.5 | 1163.0 | 11.5 | 483.5 | 13.0 | 750.5 |
| 06/27/81 | 76.00 | 52.00 | 0 | 299.00 | 24.0 | 1187.0 | 14.0 | 497.5 | 14.0 | 764.5 |
| 06/28/81 | 72.00 | 61.00 | 1.75 | 157.00 | 26.5 | 1213.5 | 16.5 | 514.0 | 16.5 | 781.0 |
| 06/29/81 | 75.00 | 59.00 | -.09 | 468.00 | 27.0 | 1240.5 | 17.0 | 531.0 | 17.0 | 798.0 |
| 06/30/81 | 78.00 | 46.00 | 0 | 546.00 | 22.0 | 1262.5 | 12.0 | 543.0 | 14.0 | 812.0 |
| 07/01/81 | 81.00 | 47.00 | 0 | 574.00 | 24.0 | 1286.5 | 14.0 | 557.0 | 15.5 | 827.5 |
| 07/02/81 | 83.00 | 44.00 | 0 | 509.00 | 23.5 | 1310.0 | 13.5 | 570.5 | 16.5 | 844.0 |
| 07/03/81 | 82.00 | 59.00 | +.22 | 360.00 | 30.5 | 1340.5 | 20.5 | 591.0 | 20.5 | 864.5 |
| 07/04/81 | 85.00 | 54.00 | 0 | 494.00 | 29.5 | 1370.0 | 19.5 | 610.5 | 19.5 | 884.0 |
| 07/05/81 | 87.00 | 55.00 | 0 | 525.00 | 31.0 | 1401.0 | 21.0 | 631.5 | 20.5 | 904.5 |
| 07/06/81 | 92.00 | 59.00 | 0 | 525.00 | 35.5 | 1436.5 | 25.5 | 657.0 | 22.5 | 927.0 |
| 07/07/81 | 92.00 | 61.00 | 0 | 525.00 | 36.5 | 1473.0 | 26.5 | 683.5 | 23.5 | 950.5 |
| 07/08/81 | 89.00 | 68.00 | 0 | 325.00 | 38.5 | 1511.5 | 28.5 | 712.0 | 27.0 | 977.5 |
| 07/09/81 | 83.00 | 49.00 | 0 | 538.00 | 26.0 | 1537.5 | 16.0 | 728.0 | 16.5 | 994.0 |
| 07/10/81 | 88.00 | 51.00 | 0 | 450.00 | 29.5 | 1567.0 | 19.5 | 747.5 | 18.5 | 1012.5 |
| 07/11/81 | 87.00 | 60.00 | -.53 | 152.00 | 33.5 | 1600.5 | 23.5 | 771.0 | 23.0 | 1035.5 |
| 07/12/81 | 88.00 | 64.00 | -.01 | 332.00 | 36.0 | 1636.5 | 26.0 | 797.0 | 25.0 | 1060.5 |
| 07/13/81 | 88.00 | 56.00 | 0 | 478.00 | 32.0 | 1668.5 | 22.0 | 819.0 | 21.0 | 1081.5 |
| 07/14/81 | 87.00 | 60.00 | 1.30 | 66.00 | 33.5 | 1702.0 | 23.5 | 842.5 | 23.0 | 1104.5 |
| 07/15/81 | 63.00 | 56.00 | 0 | 96.00 | 19.5 | 1721.5 | 9.5 | 852.0 | 9.5 | 1114.0 |
| 07/16/81 | 79.00 | 50.00 | 0 | 341.00 | 24.5 | 1746.0 | 14.5 | 866.5 | 14.5 | 1128.5 |
| 07/17/81 | 80.00 | 57.00 | 0 | 455.00 | 28.5 | 1774.5 | 18.5 | 885.0 | 18.5 | 1147.0 |
| 07/18/81 | 84.00 | 56.00 | 0 | 462.00 | 30.0 | 1804.5 | 20.0 | 905.0 | 20.0 | 1167.0 |
| 07/13/81 | 84.00 | 57.00 | 0 | 394.00 | 30.5 | 1835.0 | 20.5 | 925.5 | 20.5 | 1187.5 |
| 07/20/81 | 83.00 | 61.00 | -.61 | 317.00 | 32.0 | 1867.0 | 22.0 | 947.5 | 22.0 | 1209.5 |
| 07/21/81 | 76.00 | 49.00 | 0 | 389.00 | 22.5 | 1889.5 | 12.5 | 960.0 | 13.0 | 1222.5 |
| 07/22/81 | 75.00 | 43.00 | 0 | 433.00 | 19.0 | 1908.5 | 9.0 | 969.0 | 12.5 | 1235.0 |
| 07/23/81 | 74.00 | 55.00 | +.06 | 163.00 | 24.5 | 1933.0 | 14.5 | 983.5 | 14.5 | 1249.5 |
| 07/24/81 | 75.00 | 59.00 | -.11 | 177.00 | 27.0 | 1960.0 | 17.0 | 1000.5 | 17.0 | 1266.5 |
| 07/25/81 | 75.00 | 53.00 | -.31 | 384.00 | 24.0 | 1984.0 | 14.0 | 1014.5 | 14.0 | 1280.5 |
| 07/26/81 | 71.00 | 47.00 | 0 | 487.00 | 19.0 | 2003.0 | 9.0 | 1023.5 | 10.5 | 1291.0 |
| 07/27/81 | 74.00 | 44.00 | 0 | 382.00 | 19.0 | 2022.0 | 9.0 | 1032.5 | 12.0 | 1303.0 |
| 07/28/81 | 78.00 | 46.00 | 0 | 498.00 | 22.0 | 2044.0 | 12.0 | 1044.5 | 14.0 | 1317.0 |
| 07/29/81 | 77.00 | 48.00 | 0 | 342.00 | 22.5 | 2066.5 | 12.5 | 1057.0 | 13.5 | 1330.5 |
| 07/30/81 | 76.00 | 61.00 | 0 | 149.00 | 28.5 | 2095.0 | 18.5 | 1075.5 | 18.5 | 1349.0 |
| 07/31/81 | 81.00 | 61.00 | +.71 | 213.00 | 31.0 | 2126.0 | 21.0 | 1096.5 | 21.0 | 1370.0 |
| 08/01/81 | 81.00 | 65.00 | 0 | 287.00 | 33.0 | 2159.0 | 23.0 | 1119.5 | 23.0 | 1393.0 |
| 08/02/81 | 83.00 | 68.00 | 0 | 297.00 | 35.5 | 2194.5 | 25.5 | 1145.0 | 25.5 | 1418.5 |
| 08/03/81 | 75.00 | 58.00 | +.68 | 141.00 | 26.5 | 2221.0 | 16.5 | 1161.5 | 16.5 | 1435.0 |
| 08/04/81 | 83.00 | 54.00 | 0 | 421.00 | 28.5 | 2249.5 | 18.5 | 1180.0 | 18.5 | 1453.5 |
| 08/05/81 | 84.00 | 59.00 | 0 | 281.00 | 31.5 | 2281.0 | 21.5 | 1201.5 | 21.5 | 1475.0 |
| 08/06/81 | 78.00 | 55.00 | 1.86 | 225.00 | 26.5 | 2307.5 | 16.5 | 1218.0 | 16.5 | 1491.5 |
| 08/07/81 | 78.00 | 61.00 | 0 | 101.00 | 29.5 | 2337.0 | 19.5 | 1237.5 | 19.5 | 1511.0 |
| 08/08/81 | 78.00 | 53.00 | -.30 | 487.00 | 25.5 | 2362.5 | 15.5 | 1253.0 | 15.5 | 1526.5 |
| 08/09/81 | 74.00 | 59.00 | 0 | 219.00 | 26.5 | 2389.0 | 16.5 | 1269.5 | 16.5 | 1543.0 |
| 08/10/81 | 75.00 | 48.00 | 0 | 427.00 | 21.5 | 2410.5 | 11.5 | 1281.0 | 12.5 | 1555.5 |
| 08/11/81 | 81.00 | 50.00 | 0 | 370.00 | 25.5 | 2436.0 | 15.5 | 1296.5 | 15.5 | 1571.0 |
| 08/12/81 | 81.00 | 56.00 | 0 | 315.00 | 28.5 | 2464.5 | 18.5 | 1315.0 | 18.5 | 1589.5 |
| 08/13/81 | 85.00 | 59.00 | 0 | 255.00 | 32.0 | 2496.5 | 22.0 | 1337.0 | 22.0 | 1611.5 |
| 08/14/81 | 85.00 | 61.00 | 0 | 348.00 | 33.0 | 2529.5 | 23.0 | 1360.0 | 23.0 | 1634.5 |
| 08/15/81 | 79.00 | 55.00 | 0 | 427.00 | 27.0 | 2556.5 | 17.0 | 1377.0 | 17.0 | 1651.5 |
| 08/16/81 | 72.00 | 44.00 | 0 | 324.00 | 18.0 | 2574.5 | 8.0 | 1385.0 | 11.0 | 1662.5 |
| 08/17/81 | 75.00 | 43.00 | 0 | 398.00 | 19.0 | 2593.5 | 9.0 | 1394.0 | 12.5 | 1675.0 |
| 08/18/81 | 77.00 | 48.00 | 0 | 431.00 | 22.5 | 2616.0 | 12.5 | 1406.5 | 13.5 | 1688.5 |

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|----------|-------|-------|------|--------|------|--------|------|--------|------|--------|
| 08/19/81 | 79.00 | 47.00 | 0 | 419.00 | 23.0 | 2639.0 | 13.0 | 1419.5 | 14.5 | 1703.0 |
| 08/20/81 | 79.00 | 50.00 | 0 | 355.00 | 24.5 | 2663.5 | 14.5 | 1434.0 | 14.5 | 1717.5 |
| 08/21/81 | 76.00 | 58.00 | 1.68 | 150.00 | 27.0 | 2690.5 | 17.0 | 1451.0 | 17.0 | 1734.5 |
| 08/22/81 | 78.00 | 57.00 | .09 | 200.00 | 27.5 | 2718.0 | 17.5 | 1468.5 | 17.5 | 1752.0 |
| 08/23/81 | 81.00 | 60.00 | 0 | 248.00 | 30.5 | 2748.5 | 20.5 | 1489.0 | 20.5 | 1772.5 |
| 08/24/81 | 79.00 | 60.00 | 0 | 106.00 | 29.5 | 2778.0 | 19.5 | 1508.5 | 19.5 | 1792.0 |
| 08/25/81 | 70.00 | 58.00 | .10 | 90.00 | 24.0 | 2802.0 | 14.0 | 1522.5 | 14.0 | 1806.0 |
| 08/26/81 | 77.00 | 59.00 | .02 | 216.00 | 28.0 | 2830.0 | 18.0 | 1540.5 | 18.0 | 1824.0 |
| 08/27/81 | 77.00 | 52.00 | 0 | 374.00 | 24.5 | 2854.5 | 14.5 | 1555.0 | 14.5 | 1838.5 |
| 08/28/81 | 76.00 | 47.00 | 0 | 322.00 | 21.5 | 2876.0 | 11.5 | 1566.5 | 13.0 | 1851.5 |
| 08/29/81 | 76.00 | 56.00 | 0 | 373.00 | 26.0 | 2902.0 | 16.0 | 1582.5 | 16.0 | 1867.5 |
| 08/30/81 | 81.00 | 53.00 | 0 | 312.00 | 27.0 | 2929.0 | 17.0 | 1599.5 | 17.0 | 1884.5 |
| 08/31/81 | 79.00 | 59.00 | .48 | 52.00 | 29.0 | 2958.0 | 19.0 | 1618.5 | 19.0 | 1903.5 |
| 09/01/81 | 67.00 | 50.00 | .32 | 363.00 | 18.5 | 2976.5 | 8.5 | 1627.0 | 8.5 | 1912.0 |
| 09/02/81 | 73.00 | 43.00 | 0 | 288.00 | 18.0 | 2994.5 | 8.0 | 1635.0 | 11.5 | 1923.5 |
| 09/03/81 | 73.00 | 52.00 | 0 | 268.00 | 22.5 | 3017.0 | 12.5 | 1647.5 | 12.5 | 1936.0 |
| 09/04/81 | 67.00 | 38.00 | 0 | 414.00 | 12.5 | 3029.5 | 2.5 | 1650.0 | 8.5 | 1944.5 |
| 09/05/81 | 70.00 | 44.00 | 0 | 384.00 | 17.0 | 3046.5 | 7.0 | 1657.0 | 10.0 | 1954.5 |
| 09/06/81 | 80.00 | 50.00 | 0 | 317.00 | 25.0 | 3071.5 | 15.0 | 1672.0 | 15.0 | 1969.5 |
| 09/07/81 | 76.00 | 56.00 | .89 | 321.00 | 26.0 | 3097.5 | 16.0 | 1688.0 | 16.0 | 1985.5 |
| 09/08/81 | 72.00 | 49.00 | 0 | 356.00 | 20.5 | 3118.0 | 10.5 | 1698.5 | 11.0 | 1996.5 |
| 09/09/81 | 84.00 | 50.00 | 0 | 387.00 | 27.0 | 3145.0 | 17.0 | 1715.5 | 17.0 | 2013.5 |
| 09/10/81 | 84.00 | 48.00 | 0 | 254.00 | 26.0 | 3171.0 | 16.0 | 1731.5 | 17.0 | 2030.5 |
| 09/11/81 | 77.00 | 56.00 | 0 | 341.00 | 26.5 | 3197.5 | 16.5 | 1748.0 | 16.5 | 2047.0 |
| 09/12/81 | 80.00 | 45.00 | 0 | 350.00 | 22.5 | 3220.0 | 12.5 | 1760.5 | 15.0 | 2062.0 |
| 09/13/81 | 80.00 | 51.00 | 0 | 314.00 | 25.5 | 3245.5 | 15.5 | 1776.0 | 15.5 | 2077.5 |
| 09/14/81 | 74.00 | 36.00 | 0 | 292.00 | 15.0 | 3260.5 | 5.0 | 1781.0 | 12.0 | 2089.5 |
| 09/15/81 | 65.00 | 44.00 | .01 | 238.00 | 14.5 | 3275.0 | 4.5 | 1785.5 | 7.5 | 2097.0 |
| 09/16/81 | 58.00 | 39.00 | 0 | 274.00 | 8.5 | 3283.5 | 0.0 | 1785.5 | 4.0 | 2101.0 |
| 09/17/81 | 59.00 | 33.00 | 0 | 132.00 | 6.0 | 3289.5 | 0.0 | 1785.5 | 4.5 | 2105.5 |
| 09/18/81 | 69.00 | 35.00 | 0 | 299.00 | 12.0 | 3301.5 | 2.0 | 1787.5 | 9.5 | 2115.0 |
| 09/19/81 | 70.00 | 39.00 | 0 | 381.00 | 14.5 | 3316.0 | 4.5 | 1792.0 | 10.0 | 2125.0 |
| 09/20/81 | 68.00 | 30.00 | 0 | 320.00 | 9.0 | 3325.0 | 0.0 | 1792.0 | 9.0 | 2134.0 |
| 09/21/81 | 65.00 | 43.00 | 0 | 223.00 | 14.0 | 3339.0 | 4.0 | 1796.0 | 7.5 | 2141.5 |
| 09/22/81 | 60.00 | 42.00 | 0 | 276.00 | 11.0 | 3350.0 | 1.0 | 1797.0 | 5.0 | 2146.5 |
| 09/23/81 | 59.00 | 39.00 | 0 | 103.00 | 9.0 | 3359.0 | 0.0 | 1797.0 | 4.5 | 2151.0 |
| 09/24/81 | 68.00 | 48.00 | 0 | 266.00 | 18.0 | 3377.0 | 8.0 | 1805.0 | 9.0 | 2160.0 |
| 09/25/81 | 67.00 | 50.00 | .35 | 47.00 | 18.5 | 3395.5 | 8.5 | 1813.5 | 8.5 | 2168.5 |
| 09/26/81 | 59.00 | 50.00 | .35 | 32.00 | 14.5 | 3410.0 | 4.5 | 1818.0 | 4.5 | 2173.0 |
| 09/27/81 | 53.00 | 40.00 | .05 | 120.00 | 6.5 | 3416.5 | 0.0 | 1818.0 | 1.5 | 2174.5 |
| 09/28/81 | 55.00 | 27.00 | .05 | 115.00 | 1.0 | 3417.5 | 0.0 | 1818.0 | 2.5 | 2177.0 |
| 09/29/81 | 55.00 | 39.00 | .01 | 132.00 | 7.0 | 3424.5 | 0.0 | 1818.0 | 2.5 | 2179.5 |
| 09/30/81 | 53.00 | 40.00 | .19 | 22.00 | 6.5 | 3431.0 | 0.0 | 1818.0 | 1.5 | 2181.0 |
| 10/01/81 | 46.00 | 32.00 | .68 | 152.00 | 0.0 | 3431.0 | 0.0 | 1818.0 | 0.0 | 2181.0 |
| 10/02/81 | 56.00 | 23.00 | 0 | 288.00 | 0.0 | 3431.0 | 0.0 | 1818.0 | 3.0 | 2184.0 |
| 10/03/81 | 62.00 | 35.00 | 0 | 161.00 | 8.5 | 3439.5 | 0.0 | 1818.0 | 6.0 | 2190.0 |
| 10/04/81 | 55.00 | 42.00 | .99 | 33.00 | 8.5 | 3448.0 | 0.0 | 1818.0 | 2.5 | 2192.5 |
| 10/05/81 | 50.00 | 46.00 | .23 | 42.00 | 8.0 | 3456.0 | 0.0 | 1818.0 | 0.0 | 2192.5 |
| 10/06/81 | 54.00 | 39.00 | .11 | 197.00 | 6.5 | 3462.5 | 0.0 | 1818.0 | 2.0 | 2194.5 |
| 10/07/81 | 59.00 | 48.00 | 0 | 262.00 | 13.5 | 3476.0 | 3.5 | 1821.5 | 4.5 | 2199.0 |
| 10/08/81 | 61.00 | 38.00 | 0 | 169.00 | 9.5 | 3485.5 | 0.0 | 1821.5 | 5.5 | 2204.5 |
| 10/09/81 | 59.00 | 40.00 | 0 | 79.00 | 9.5 | 3495.0 | 0.0 | 1821.5 | 4.5 | 2209.0 |
| 10/10/81 | 58.00 | 48.00 | .29 | 141.00 | 13.0 | 3508.0 | 3.0 | 1824.5 | 4.0 | 2213.0 |
| 10/11/81 | 59.00 | 41.00 | .01 | 173.00 | 10.0 | 3518.0 | 0.0 | 1824.5 | 4.5 | 2217.5 |
| 10/12/81 | 60.00 | 44.00 | 0 | 96.00 | 12.0 | 3530.0 | 2.0 | 1826.5 | 5.0 | 2222.5 |
| 10/13/81 | 59.00 | 49.00 | .45 | 18.00 | 14.0 | 3544.0 | 4.0 | 1830.5 | 4.5 | 2227.0 |
| 10/14/81 | 55.00 | 41.00 | .22 | 173.00 | 8.0 | 3552.0 | 0.0 | 1830.5 | 2.5 | 2229.5 |
| 10/15/81 | 55.00 | 40.00 | 0 | 205.00 | 7.5 | 3559.5 | 0.0 | 1830.5 | 2.5 | 2232.0 |
| 10/16/81 | 67.00 | 36.00 | 0 | 269.00 | 11.5 | 3571.0 | 1.5 | 1832.0 | 8.5 | 2240.5 |
| 10/17/81 | 64.00 | 47.00 | .76 | 30.00 | 15.5 | 3586.5 | 5.5 | 1837.5 | 7.0 | 2247.5 |
| 10/18/81 | 49.00 | 32.00 | .13 | 158.00 | .5 | 3587.0 | 0.0 | 1837.5 | 0.0 | 2247.5 |
| 10/19/81 | 58.00 | 24.00 | 0 | 204.00 | 1.0 | 3588.0 | 0.0 | 1837.5 | 4.0 | 2251.5 |
| 10/20/81 | 58.00 | 36.00 | .10 | 185.00 | 7.0 | 3595.0 | 0.0 | 1837.5 | 4.0 | 2255.5 |
| 10/21/81 | 40.00 | 21.00 | 0 | 104.00 | 0.0 | 3595.0 | 0.0 | 1837.5 | 0.0 | 2255.5 |
| 10/22/81 | 32.00 | 25.00 | .04 | 71.00 | 0.0 | 3595.0 | 0.0 | 1837.5 | 0.0 | 2255.5 |
| 10/23/81 | 30.00 | 20.00 | .02 | 72.00 | 0.0 | 3595.0 | 0.0 | 1837.5 | 0.0 | 2255.5 |
| 10/24/81 | 31.00 | 21.00 | .12 | 46.00 | 0.0 | 3595.0 | 0.0 | 1837.5 | 0.0 | 2255.5 |
| 10/25/81 | 32.00 | 24.00 | .02 | 200.00 | 0.0 | 3595.0 | 0.0 | 1837.5 | 0.0 | 2255.5 |
| 10/26/81 | 45.00 | 18.00 | 0 | 178.00 | 0.0 | 3595.0 | 0.0 | 1837.5 | 0.0 | 2255.5 |
| 10/27/81 | 48.00 | 28.00 | 0 | 243.00 | 0.0 | 3595.0 | 0.0 | 1837.5 | 0.0 | 2255.5 |
| 10/28/81 | 46.00 | 31.00 | 0 | 79.00 | 0.0 | 3595.0 | 0.0 | 1837.5 | 0.0 | 2255.5 |
| 10/29/81 | 57.00 | 37.00 | 0 | 125.00 | 7.0 | 3602.0 | 0.0 | 1837.5 | 3.5 | 2259.0 |
| 10/30/81 | 57.00 | 48.00 | .03 | 49.00 | 12.5 | 3614.5 | 2.5 | 1840.0 | 3.5 | 2262.5 |
| 10/31/81 | 57.00 | 41.00 | 0 | 218.00 | 9.0 | 3623.5 | 0.0 | 1840.0 | 3.5 | 2266.0 |

LOCATION: LAMBERTON

DEGREE DAYS

| DATE | MAXTEMP | MINTEMP | PRECIP | WIND | SOLAR | PAN | SOILMAX | SOILMIN | BASE = 45 | | BASE = 50 | | BASE = 50/86 | |
|----------|---------|---------|--------|--------|--------|-----|---------|---------|-----------|-------|-----------|-------|--------------|-------|
| | | | | | | | | | DAILY | ACCUM | DAILY | ACCUM | DAILY | ACCUM |
| 04/01/81 | 55.00 | 36.00 | .05 | | 204.00 | | 50.00 | 44.00 | .5 | .5 | 0.0 | 0.0 | 2.5 | 2.5 |
| 04/02/81 | 59.00 | 40.00 | 0 | | 404.00 | | 53.00 | 44.00 | 4.5 | 5.0 | 0.0 | 0.0 | 4.5 | 7.0 |
| 04/03/81 | 81.00 | 46.00 | .03 | | 438.00 | | 60.00 | 46.00 | 18.5 | 23.5 | 13.5 | 13.5 | 15.5 | 22.5 |
| 04/04/81 | 53.00 | 32.00 | .36 | 259.00 | 133.00 | .12 | 51.00 | 44.00 | 0.0 | 23.5 | 0.0 | 13.5 | 1.5 | 24.0 |
| 04/05/81 | 36.00 | 27.00 | 0 | 230.00 | 115.00 | .07 | 43.00 | 40.00 | 0.0 | 23.5 | 0.0 | 13.5 | 0.0 | 24.0 |
| 04/06/81 | 48.00 | 33.00 | 0 | 69.00 | 495.00 | .10 | 48.00 | 40.00 | 0.0 | 23.5 | 0.0 | 13.5 | 0.0 | 24.0 |
| 04/07/81 | 70.00 | 40.00 | .01 | 155.00 | 484.00 | .34 | 52.00 | 42.00 | 10.0 | 33.5 | 5.0 | 18.5 | 10.0 | 34.0 |
| 04/08/81 | 62.00 | 41.00 | 0 | 75.00 | 303.00 | .15 | 55.00 | 48.00 | 6.5 | 40.0 | 1.5 | 20.0 | 6.0 | 40.0 |
| 04/09/81 | 63.00 | 33.00 | 0 | 69.00 | 391.00 | 0 | 57.00 | 46.00 | 3.0 | 43.0 | 0.0 | 20.0 | 6.5 | 46.5 |
| 04/10/81 | 70.00 | 47.00 | 0 | 219.00 | 360.00 | .30 | 54.00 | 46.00 | 13.5 | 56.5 | 8.5 | 28.5 | 10.0 | 56.5 |
| 04/11/81 | 69.00 | 39.00 | 0 | 132.00 | 393.00 | .30 | 57.00 | 49.00 | 9.0 | 65.5 | 4.0 | 32.5 | 9.5 | 66.0 |
| 04/12/81 | 50.00 | 36.00 | .07 | 80.00 | 108.00 | 0 | 50.00 | 46.00 | 0.0 | 65.5 | 0.0 | 32.5 | 0.0 | 66.0 |
| 04/13/81 | 70.00 | 38.00 | .01 | 107.00 | 318.00 | .15 | 55.00 | 45.00 | 9.0 | 74.5 | 4.0 | 36.5 | 10.0 | 76.0 |
| 04/14/81 | 60.00 | 25.00 | .30 | | 71.00 | 0 | 53.00 | 42.00 | 0.0 | 74.5 | 0.0 | 36.5 | 5.0 | 81.0 |
| 04/15/81 | 50.00 | 28.00 | 0 | | 557.00 | 0 | 52.00 | 42.00 | 0.0 | 74.5 | 0.0 | 36.5 | 0.0 | 81.0 |
| 04/16/81 | 69.00 | 38.00 | 0 | 270.00 | 529.00 | .30 | 64.00 | 43.00 | 8.5 | 83.0 | 3.5 | 40.0 | 9.5 | 90.5 |
| 04/17/81 | 72.00 | 49.00 | 0 | 160.00 | 303.00 | .30 | 56.00 | 50.00 | 15.5 | 98.5 | 10.5 | 50.5 | 11.0 | 101.5 |
| 04/18/81 | 73.00 | 30.00 | 0 | 160.00 | 408.00 | .45 | 59.00 | 48.00 | 6.5 | 105.0 | 1.5 | 52.0 | 11.5 | 113.0 |
| 04/19/81 | 67.00 | 33.00 | .13 | 121.00 | 364.00 | 0 | 57.00 | 48.00 | 5.0 | 110.0 | 0.0 | 52.0 | 8.5 | 121.5 |
| 04/20/81 | 60.00 | 28.00 | 0 | 128.00 | 204.00 | .22 | 56.00 | 46.00 | 0.0 | 110.0 | 0.0 | 52.0 | 5.0 | 126.5 |
| 04/21/81 | 53.00 | 36.00 | .14 | 154.00 | 513.00 | 0 | 56.00 | 46.00 | 0.0 | 110.0 | 0.0 | 52.0 | 1.5 | 128.0 |
| 04/22/81 | 55.00 | 38.00 | .05 | 166.00 | 154.00 | 0 | 52.00 | 49.00 | 1.5 | 111.5 | 0.0 | 52.0 | 2.5 | 130.5 |
| 04/23/81 | 55.00 | 33.00 | .10 | 204.00 | 133.00 | .25 | 52.00 | 46.00 | 0.0 | 111.5 | 0.0 | 52.0 | 2.5 | 133.0 |
| 04/24/81 | 54.00 | 31.00 | 0 | 121.00 | 361.00 | .15 | 51.00 | 44.00 | 0.0 | 111.5 | 0.0 | 52.0 | 2.0 | 135.0 |
| 04/25/81 | 65.00 | 40.00 | 0 | 148.00 | 551.00 | .14 | 60.00 | 44.00 | 7.5 | 119.0 | 2.5 | 54.5 | 7.5 | 142.5 |
| 04/26/81 | 78.00 | 43.00 | 0 | 149.00 | 489.00 | .35 | 63.00 | 50.00 | 15.5 | 134.5 | 10.5 | 65.0 | 14.0 | 156.5 |
| 04/27/81 | 81.00 | 45.00 | .14 | 186.00 | 485.00 | .42 | 68.00 | 54.00 | 18.0 | 152.5 | 13.0 | 78.0 | 15.5 | 172.0 |
| 04/28/81 | 89.00 | 46.00 | 0 | 135.00 | 313.00 | .27 | 68.00 | 58.00 | 22.5 | 175.0 | 17.5 | 95.5 | 18.0 | 190.0 |
| 04/29/81 | 58.00 | 45.00 | .02 | 70.00 | 141.00 | .13 | 59.00 | 54.00 | 6.5 | 181.5 | 1.5 | 97.0 | 4.0 | 194.0 |
| 04/30/81 | 72.00 | 42.00 | 0 | 143.00 | 375.00 | .30 | 63.00 | 54.00 | 12.0 | 193.5 | 7.0 | 104.0 | 11.0 | 205.0 |
| 05/01/81 | 70.00 | 41.00 | 0 | 130.00 | 444.00 | .37 | 64.00 | 54.00 | 10.5 | 204.0 | 5.5 | 109.5 | 10.0 | 215.0 |
| 05/02/81 | 64.00 | 40.00 | 0 | 90.00 | 539.00 | .21 | 58.00 | 55.00 | 7.0 | 211.0 | 2.0 | 111.5 | 7.0 | 222.0 |
| 05/03/81 | 87.00 | 42.00 | .02 | 272.00 | 483.00 | .64 | 58.00 | 55.00 | 19.5 | 230.5 | 14.5 | 126.0 | 18.0 | 240.0 |
| 05/04/81 | 68.00 | 48.00 | .10 | 61.00 | 141.00 | 0 | 63.00 | 57.00 | 13.0 | 243.5 | 8.0 | 134.0 | 9.0 | 249.0 |
| 05/05/81 | 58.00 | 38.00 | 0 | 139.00 | 133.00 | .20 | 58.00 | 52.00 | 3.0 | 246.5 | 0.0 | 134.0 | 4.0 | 253.0 |
| 05/06/81 | 67.00 | 33.00 | 0 | 87.00 | 556.00 | .28 | 67.00 | 52.00 | 5.0 | 251.5 | 0.0 | 134.0 | 8.5 | 261.5 |
| 05/07/81 | 65.00 | 37.00 | 0 | 89.00 | 538.00 | .28 | 66.00 | 52.00 | 6.0 | 257.5 | 1.0 | 135.0 | 7.5 | 269.0 |
| 05/08/81 | 67.00 | 43.00 | 0 | 84.00 | 477.00 | .34 | 64.00 | 52.00 | 10.0 | 267.5 | 5.0 | 140.0 | 8.5 | 277.5 |
| 05/09/81 | 70.00 | 39.00 | .04 | 105.00 | 345.00 | .18 | 65.00 | 54.00 | 9.5 | 277.0 | 4.5 | 144.5 | 10.0 | 287.5 |
| 05/10/81 | 54.00 | 24.00 | 0 | 151.00 | 423.00 | .31 | 61.00 | 48.00 | 0.0 | 277.0 | 0.0 | 144.5 | 2.0 | 289.5 |
| 05/11/81 | 60.00 | 29.00 | 0 | 84.00 | 615.00 | .38 | 64.00 | 48.00 | 0.0 | 277.0 | 0.0 | 144.5 | 5.0 | 294.5 |
| 05/12/81 | 66.00 | 35.00 | 0 | 63.00 | 586.00 | .28 | 67.00 | 49.00 | 5.5 | 282.5 | .5 | 145.0 | 8.0 | 302.5 |
| 05/13/81 | 62.00 | 38.00 | .07 | 99.00 | 209.00 | .22 | 58.00 | 52.00 | 5.0 | 287.5 | 0.0 | 145.0 | 6.0 | 308.5 |
| 05/14/81 | 71.00 | 38.00 | 0 | 80.00 | 570.00 | .45 | 67.00 | 52.00 | 9.5 | 297.0 | 4.5 | 149.5 | 10.5 | 319.0 |
| 05/15/81 | 74.00 | 38.00 | 0 | 36.00 | 532.00 | .28 | 60.00 | 53.00 | 11.0 | 308.0 | 6.0 | 155.5 | 12.0 | 331.0 |
| 05/16/81 | 78.00 | 49.00 | 0 | 81.00 | 544.00 | .43 | 63.00 | 55.00 | 18.5 | 326.5 | 13.5 | 169.0 | 14.0 | 345.0 |
| 05/17/81 | 77.00 | 50.00 | 0 | 85.00 | 183.00 | .36 | 65.00 | 60.00 | 18.5 | 345.0 | 13.5 | 182.5 | 13.5 | 356.5 |
| 05/18/81 | 67.00 | 40.00 | 0 | 198.00 | 219.00 | .27 | 63.00 | 55.00 | 8.5 | 353.5 | 3.5 | 186.0 | 8.5 | 367.0 |
| 05/19/81 | 72.00 | 33.00 | 0 | 121.00 | 613.00 | .52 | 70.00 | 54.00 | 7.5 | 361.0 | 2.5 | 188.5 | 11.0 | 378.0 |
| 05/20/81 | 75.00 | 39.00 | 0 | 10.00 | 600.00 | .44 | 74.00 | 54.00 | 12.0 | 373.0 | 7.0 | 195.5 | 12.5 | 390.5 |
| 05/21/81 | 82.00 | 52.00 | 0 | 161.00 | 594.00 | .48 | 75.00 | 58.00 | 22.0 | 395.0 | 17.0 | 212.5 | 17.0 | 407.5 |
| 05/22/81 | 85.00 | 57.00 | .04 | 62.00 | 481.00 | .49 | 74.00 | 62.00 | 26.0 | 421.0 | 21.0 | 233.5 | 21.0 | 428.5 |
| 05/23/81 | 82.00 | 60.00 | .02 | 154.00 | 489.00 | .44 | 75.00 | 64.00 | 26.0 | 447.0 | 21.0 | 254.5 | 21.0 | 449.5 |
| 05/24/81 | 73.00 | 48.00 | .03 | 151.00 | 260.00 | .24 | 70.00 | 61.00 | 15.5 | 462.5 | 10.5 | 265.0 | 11.5 | 461.0 |
| 05/25/81 | 61.00 | 47.00 | 0 | 122.00 | 318.00 | .28 | 67.00 | 61.00 | 9.0 | 471.5 | 4.0 | 269.0 | 5.5 | 466.5 |
| 05/26/81 | 65.00 | 52.00 | 0 | 64.00 | 296.00 | .20 | 68.00 | 62.00 | 13.5 | 485.0 | 8.5 | 277.5 | 8.5 | 475.0 |
| 05/27/81 | 69.00 | 55.00 | 0 | 30.00 | 257.00 | .15 | 70.00 | 62.00 | 17.0 | 502.0 | 12.0 | 289.5 | 12.0 | 487.0 |
| 05/28/81 | 78.00 | 57.00 | .02 | 43.00 | 394.00 | .29 | 76.00 | 64.00 | 22.5 | 524.5 | 17.5 | 307.0 | 17.5 | 504.5 |
| 05/29/81 | 79.00 | 51.00 | 0 | 91.00 | 389.00 | .23 | 77.00 | 64.00 | 20.0 | 544.5 | 15.0 | 322.0 | 15.0 | 519.5 |
| 05/30/81 | 78.00 | 43.00 | 0 | 111.00 | 540.00 | .33 | 77.00 | 63.00 | 15.5 | 560.0 | 10.5 | 332.5 | 14.0 | 533.5 |
| 05/31/81 | 73.00 | 53.00 | 0 | 5.00 | 582.00 | .31 | 78.00 | 63.00 | 18.0 | 578.0 | 13.0 | 345.5 | 13.0 | 546.5 |
| 06/01/81 | 88.00 | 62.00 | 0 | 159.00 | 485.00 | .51 | 78.00 | 64.00 | 30.0 | 608.0 | 25.0 | 370.5 | 24.0 | 570.5 |
| 06/02/81 | 86.00 | 41.00 | .19 | 148.00 | 350.00 | .45 | 77.00 | 68.00 | 18.5 | 626.5 | 13.5 | 384.0 | 18.0 | 588.5 |
| 06/03/81 | 70.00 | 53.00 | .18 | 57.00 | 757.00 | .07 | 73.00 | 64.00 | 16.5 | 643.0 | 11.5 | 395.5 | 11.5 | 600.0 |
| 06/04/81 | 76.00 | 52.00 | 0 | 56.00 | 417.00 | .26 | 76.00 | 64.00 | 19.0 | 662.0 | 14.0 | 409.5 | 14.0 | 614.0 |

| | | | | | | | | | | | | | | |
|----------|-------|-------|------|--------|--------|-----|-------|-------|------|--------|------|--------|------|--------|
| 06/05/81 | 89.00 | 57.00 | 0 | 47.00 | 546.00 | .50 | 82.00 | 64.00 | 28.0 | 690.0 | 23.0 | 432.5 | 21.5 | 635.5 |
| 06/06/81 | 84.00 | 51.00 | 0 | 81.00 | 541.00 | .50 | 81.00 | 67.00 | 22.5 | 712.5 | 17.5 | 450.0 | 17.5 | 653.0 |
| 06/07/81 | 87.00 | 64.00 | 0 | 74.00 | 626.00 | .45 | 86.00 | 67.00 | 30.5 | 743.0 | 25.5 | 475.5 | 25.0 | 678.0 |
| 06/08/81 | 97.00 | 58.00 | .04 | 76.00 | 497.00 | .57 | 84.00 | 70.00 | 32.5 | 775.5 | 27.5 | 503.0 | 22.0 | 700.0 |
| 06/09/81 | 73.00 | 55.00 | .21 | 33.00 | 301.00 | .01 | 76.00 | 68.00 | 19.0 | 794.5 | 14.0 | 517.0 | 14.0 | 714.0 |
| 06/10/81 | 70.00 | 51.00 | .13 | 47.00 | 186.00 | .08 | 71.00 | 62.00 | 15.5 | 810.0 | 10.5 | 527.5 | 10.5 | 724.5 |
| 06/11/81 | 78.00 | 58.00 | 0 | 67.00 | 595.00 | .35 | 79.00 | 62.00 | 23.0 | 833.0 | 18.0 | 545.5 | 18.0 | 742.5 |
| 06/12/81 | 75.00 | 56.00 | .04 | 49.00 | 190.00 | .19 | 72.00 | 65.00 | 20.5 | 853.5 | 15.5 | 561.0 | 15.5 | 758.0 |
| 06/13/81 | 84.00 | 62.00 | .28 | 134.00 | 223.00 | .13 | 75.00 | 65.00 | 28.0 | 881.5 | 23.0 | 584.0 | 23.0 | 781.0 |
| 06/14/81 | 92.00 | 60.00 | 1.48 | 71.00 | 215.00 | +.7 | 76.00 | 67.00 | 31.0 | 912.5 | 26.0 | 610.0 | 23.0 | 804.0 |
| 06/15/81 | 80.00 | 56.00 | .05 | 37.00 | 279.00 | .19 | 78.00 | 66.00 | 23.0 | 935.5 | 18.0 | 628.0 | 18.0 | 822.0 |
| 06/16/81 | 80.00 | 49.00 | 0 | 129.00 | 392.00 | .12 | 73.00 | 62.00 | 19.5 | 955.0 | 14.5 | 642.5 | 15.0 | 837.0 |
| 06/17/81 | 78.00 | 53.00 | 0 | 105.00 | 578.00 | +.2 | 79.00 | 62.00 | 20.5 | 975.5 | 15.5 | 658.0 | 15.5 | 852.5 |
| 06/18/81 | 85.00 | 49.00 | 0 | 156.00 | 528.00 | .48 | 79.00 | 67.00 | 22.0 | 997.5 | 17.0 | 675.0 | 17.5 | 870.0 |
| 06/19/81 | 73.00 | 52.00 | 0 | 61.00 | 449.00 | .39 | 79.00 | 66.00 | 17.5 | 1015.0 | 12.5 | 687.5 | 12.5 | 882.5 |
| 06/20/81 | 75.00 | 54.00 | .01 | 39.00 | 261.00 | .16 | 73.00 | 66.00 | 19.5 | 1034.5 | 14.5 | 702.0 | 14.5 | 897.0 |
| 06/21/81 | 74.00 | 54.00 | .14 | 19.00 | 487.00 | .14 | 78.00 | 66.00 | 19.0 | 1053.5 | 14.0 | 716.0 | 14.0 | 911.0 |
| 06/22/81 | 76.00 | 53.00 | .09 | 47.00 | 282.00 | .21 | 74.00 | 62.00 | 19.5 | 1073.0 | 14.5 | 730.5 | 14.5 | 925.5 |
| 06/23/81 | 75.00 | 57.00 | 0 | 76.00 | 606.00 | .30 | 79.00 | 62.00 | 21.0 | 1094.0 | 16.0 | 746.5 | 16.0 | 941.5 |
| 06/24/81 | 90.00 | 60.00 | .06 | 126.00 | 322.00 | .21 | 77.00 | 70.00 | 30.0 | 1124.0 | 25.0 | 771.5 | 23.0 | 964.5 |
| 06/25/81 | 81.00 | 53.00 | 0 | 66.00 | 485.00 | .39 | 80.00 | 66.00 | 22.0 | 1146.0 | 17.0 | 788.5 | 17.0 | 981.5 |
| 06/26/81 | 83.00 | 50.00 | 0 | 81.00 | 608.00 | .44 | 82.00 | 66.00 | 21.5 | 1167.5 | 16.5 | 805.0 | 16.5 | 998.0 |
| 06/27/81 | 85.00 | 61.00 | 0 | 45.00 | 623.00 | .04 | 87.00 | 68.00 | 28.0 | 1195.5 | 23.0 | 828.0 | 23.0 | 1021.0 |
| 06/28/81 | 81.00 | 70.00 | .05 | 96.00 | 208.00 | .20 | 78.00 | 73.00 | 30.5 | 1226.0 | 25.5 | 853.5 | 25.5 | 1046.5 |
| 06/29/81 | 86.00 | 65.00 | .12 | 33.00 | 190.00 | .08 | 78.00 | 72.00 | 30.5 | 1256.5 | 25.5 | 879.0 | 25.5 | 1072.0 |
| 06/30/81 | 80.00 | 51.00 | 0 | 49.00 | 568.00 | .38 | 85.00 | 70.00 | 20.5 | 1277.0 | 15.5 | 894.5 | 15.5 | 1087.5 |
| 07/01/81 | 85.00 | 60.00 | 0 | 36.00 | 624.00 | .30 | 87.00 | 73.00 | 27.5 | 1304.5 | 22.5 | 917.0 | 22.5 | 1110.0 |
| 07/02/81 | 84.00 | 63.00 | 0 | 61.00 | 607.00 | .37 | 87.00 | 75.00 | 28.5 | 1333.0 | 23.5 | 940.5 | 23.5 | 1133.5 |
| 07/03/81 | 85.00 | 68.00 | .02 | 46.00 | 404.00 | .20 | 84.00 | 76.00 | 31.5 | 1364.5 | 26.5 | 967.0 | 26.5 | 1160.0 |
| 07/04/81 | 80.00 | 64.00 | .20 | 3.00 | 257.00 | 0 | 82.00 | 72.00 | 27.0 | 1391.5 | 22.0 | 989.0 | 22.0 | 1182.0 |
| 07/05/81 | 87.00 | 58.00 | 0 | 28.00 | 567.00 | .36 | 88.00 | 75.00 | 27.5 | 1419.0 | 22.5 | 1011.5 | 22.0 | 1204.0 |
| 07/06/81 | 89.00 | 61.00 | 0 | 10.00 | 609.00 | .29 | 91.00 | 75.00 | 30.0 | 1449.0 | 25.0 | 1036.5 | 23.5 | 1227.5 |
| 07/07/81 | 91.00 | 69.00 | 0 | 22.00 | 608.00 | .39 | 91.00 | 76.00 | 35.0 | 1484.0 | 30.0 | 1066.5 | 27.5 | 1255.0 |
| 07/08/81 | 91.00 | 73.00 | 0 | 99.00 | 563.00 | +.4 | 90.00 | 78.00 | 37.0 | 1521.0 | 32.0 | 1098.5 | 29.5 | 1284.5 |
| 07/09/81 | 89.00 | 49.00 | 0 | 91.00 | 409.00 | .45 | 86.00 | 72.00 | 24.0 | 1545.0 | 19.0 | 1117.5 | 18.0 | 1302.5 |
| 07/10/81 | 86.00 | 58.00 | 0 | 24.00 | 616.00 | .30 | 88.00 | 72.00 | 27.0 | 1572.0 | 22.0 | 1139.5 | 22.0 | 1324.5 |
| 07/11/81 | 93.00 | 68.00 | .18 | 71.00 | 496.00 | .33 | 89.00 | 75.00 | 35.5 | 1607.5 | 30.5 | 1170.0 | 27.0 | 1351.5 |
| 07/12/81 | 89.00 | 68.00 | .08 | 63.00 | 386.00 | .21 | 87.00 | 78.00 | 33.5 | 1641.0 | 28.5 | 1198.5 | 27.0 | 1378.5 |
| 07/13/81 | 88.00 | 69.00 | .08 | 54.00 | 287.00 | .23 | 87.00 | 77.00 | 33.5 | 1674.5 | 28.5 | 1227.0 | 27.5 | 1406.0 |
| 07/14/81 | 88.00 | 70.00 | .01 | 109.00 | 452.00 | .31 | 80.00 | 77.00 | 34.0 | 1708.5 | 29.0 | 1256.0 | 28.0 | 1434.0 |
| 07/15/81 | 98.00 | 65.00 | 0 | 64.00 | 480.00 | .34 | 92.00 | 78.00 | 36.5 | 1745.0 | 31.5 | 1287.5 | 25.5 | 1459.5 |
| 07/16/81 | 72.00 | 56.00 | 0 | 8.00 | 187.00 | .10 | 78.00 | 72.00 | 19.0 | 1764.0 | 14.0 | 1301.5 | 14.0 | 1473.5 |
| 07/17/81 | 89.00 | 58.00 | .61 | 17.00 | 457.00 | .32 | 88.00 | 72.00 | 28.5 | 1792.5 | 23.5 | 1325.0 | 22.0 | 1495.5 |
| 07/18/81 | 82.00 | 62.00 | 1.02 | 0 | 362.00 | .35 | 84.00 | 74.00 | 27.0 | 1819.5 | 22.0 | 1347.0 | 22.0 | 1517.5 |
| 07/19/81 | 87.00 | 62.00 | 0 | 22.00 | 504.00 | .20 | 86.00 | 74.00 | 29.5 | 1849.0 | 24.5 | 1371.5 | 24.0 | 1541.5 |
| 07/20/81 | 86.00 | 62.00 | .59 | 21.00 | 526.00 | .37 | 87.00 | 73.00 | 29.0 | 1878.0 | 24.0 | 1395.5 | 24.0 | 1565.5 |
| 07/21/81 | 82.00 | 59.00 | 0 | 58.00 | 534.00 | .30 | 81.00 | 72.00 | 25.5 | 1903.5 | 20.5 | 1416.0 | 20.5 | 1586.0 |
| 07/22/81 | 81.00 | 61.00 | .60 | 21.00 | 394.00 | .28 | 82.00 | 72.00 | 26.0 | 1929.5 | 21.0 | 1437.0 | 21.0 | 1607.0 |
| 07/23/81 | 80.00 | 59.00 | .82 | 34.00 | 332.00 | .35 | 80.00 | 70.00 | 24.5 | 1954.0 | 19.5 | 1456.5 | 19.5 | 1626.5 |
| 07/24/81 | 82.00 | 61.00 | 0 | 15.00 | 520.00 | .23 | 84.00 | 69.00 | 26.5 | 1980.5 | 21.5 | 1478.0 | 21.5 | 1648.0 |
| 07/25/81 | 83.00 | 62.00 | 0 | 24.00 | 364.00 | .12 | 84.00 | 72.00 | 27.5 | 2008.0 | 22.5 | 1500.5 | 22.5 | 1670.5 |
| 07/26/81 | 71.00 | 56.00 | 0 | 25.00 | 371.00 | .15 | 81.00 | 70.00 | 18.5 | 2026.5 | 13.5 | 1514.0 | 13.5 | 1684.0 |
| 07/27/81 | 71.00 | 51.00 | .05 | 7.00 | 340.00 | .15 | 78.00 | 67.00 | 16.0 | 2042.5 | 11.0 | 1525.0 | 11.0 | 1695.0 |
| 07/28/81 | 63.00 | 52.00 | .16 | 6.00 | 136.00 | .01 | 70.00 | 64.00 | 12.5 | 2055.0 | 7.5 | 1532.5 | 7.5 | 1702.5 |
| 07/29/81 | 70.00 | 55.00 | 0 | 6.00 | 350.00 | .12 | 76.00 | 64.00 | 17.5 | 2072.5 | 12.5 | 1545.0 | 12.5 | 1715.0 |
| 07/30/81 | 69.00 | 60.00 | 0 | 37.00 | 197.00 | .10 | 72.00 | 68.00 | 19.5 | 2092.0 | 14.5 | 1559.5 | 14.5 | 1729.5 |
| 07/31/81 | 81.00 | 68.00 | 0 | 57.00 | 299.00 | .15 | 80.00 | 70.00 | 23.5 | 2121.5 | 24.5 | 1584.0 | 24.5 | 1754.0 |
| 08/01/81 | 79.00 | 61.00 | 0 | 13.00 | 196.00 | .15 | 79.00 | 74.00 | 25.0 | 2146.5 | 20.0 | 1604.0 | 20.0 | 1774.0 |
| 08/02/81 | 85.00 | 68.00 | .10 | 13.00 | 386.00 | .05 | 85.00 | 74.00 | 31.5 | 2178.0 | 26.5 | 1630.5 | 26.5 | 1800.5 |
| 08/03/81 | 87.00 | 67.00 | 0 | 25.00 | 487.00 | .30 | 91.00 | 75.00 | 32.0 | 2210.0 | 27.0 | 1657.5 | 26.5 | 1827.0 |
| 08/04/81 | 86.00 | 59.00 | .15 | 30.00 | 339.00 | .05 | 85.00 | 74.00 | 27.5 | 2237.5 | 22.5 | 1680.0 | 22.5 | 1849.5 |
| 08/05/81 | 83.00 | 61.00 | 0 | 32.00 | 428.00 | .20 | 88.00 | 74.00 | 27.0 | 2264.5 | 22.0 | 1702.0 | 22.0 | 1871.5 |
| 08/06/81 | 87.00 | 62.00 | 0 | 4.00 | 417.00 | .27 | 89.00 | 75.00 | 29.5 | 2294.0 | 24.5 | 1726.5 | 24.0 | 1895.5 |
| 08/07/81 | 81.00 | 62.00 | 0 | 79.00 | 506.00 | .34 | 87.00 | 74.00 | 26.5 | 2320.5 | 21.5 | 1748.0 | 21.5 | 1917.0 |
| 08/08/81 | 79.00 | 58.00 | 0 | 94.00 | 469.00 | .29 | 83.00 | 72.00 | 23.5 | 2344.0 | 18.5 | 1766.5 | 18.5 | 1935.5 |
| 08/09/81 | 82.00 | 57.00 | 0 | 38.00 | 461.00 | .24 | 84.00 | 72.00 | 24.5 | 2368.5 | 19.5 | 1786.0 | 19.5 | 1955.0 |
| 08/10/81 | 74.00 | 49.00 | 0 | 34.00 | 430.00 | .24 | 81.00 | 68.00 | 16.5 | 2385.0 | 11.5 | 1797.5 | 12.0 | 1967.0 |
| 08/11/81 | 78.00 | 55.00 | 0 | 30.00 | 483.00 | .11 | 82.00 | 68.00 | 21.5 | 2406.5 | 16.5 | 1814.0 | 16.5 | 1983.5 |
| 08/12/81 | 85.00 | 60.00 | 0 | 34.00 | 441.00 | .20 | 83.00 | 71.00 | 27.5 | 2434.0 | 22.5 | 1836.5 | 22.5 | 2006.0 |
| 08/13/81 | 92.00 | 64.00 | 0 | 17.00 | 503.00 | .30 | 88.00 | 71.00 | 33.0 | 2467.0 | 28.0 | 1864.5 | 25.0 | 2031.0 |
| 08/14/81 | 84.00 | 67.00 | 1.82 | 36.00 | 302.00 | .42 | 83.00 | 74.00 | 30.5 | 2497.5 | 25.5 | 1890.0 | 25.5 | 2056.5 |
| 08/15/81 | 77.00 | 63.00 | .19 | 14.00 | 182.00 | 0 | 78.00 | 72.00 | 25.0 | 2522.5 | 20.0 | 1910.0 | 20.0 | 2076.5 |
| 08/16/81 | 76.00 | 54.00 | 0 | 32.00 | 493.00 | .30 | 80.00 | 68.00 | 20.0 | 2542.5 | 15.0 | 1925.0 | 15.0 | 2091.5 |
| 08/17/81 | 68.00 | 45.00 | 0 | 25.00 | 377.00 | .15 | 77.00 | 68.00 | 11.5 | 2554.0 | 6.5 | 1931.5 | 9.0 | 2100.5 |
| 08/18/81 | 75.00 | 45.00 | 0 | 4.00 | 436.00 | .15 | 80.00 | 64.00 | 15.0 | 2569.0 | 10.0 | 1941.5 | 12.5 | 2113.0 |

| | | | | | | | | | | | | | | |
|----------|-------|-------|-----|--------|--------|-----|-------|--------|------|--------|------|--------|------|--------|
| 08/19/81 | 75.00 | 48.00 | 0 | 5.00 | 424.00 | .20 | 80.00 | 66.00 | 16.5 | 2585.5 | 11.5 | 1953.0 | 12.5 | 2125.5 |
| 08/20/81 | 76.00 | 54.00 | 0 | 6.00 | 484.00 | .21 | 82.00 | 67.00 | 20.0 | 2605.5 | 15.0 | 1968.0 | 15.0 | 2140.5 |
| 08/21/81 | 78.00 | 58.00 | 0 | 20.00 | 463.00 | .21 | 81.00 | 69.00 | 23.0 | 2628.5 | 18.0 | 1986.0 | 18.0 | 2158.5 |
| 08/22/81 | 81.00 | 60.00 | 0 | 47.00 | 482.00 | .28 | 82.00 | 71.00 | 25.5 | 2654.0 | 20.5 | 2006.5 | 20.5 | 2179.0 |
| 08/23/81 | 80.00 | 65.00 | .29 | 33.00 | 218.00 | .11 | 78.00 | 71.00 | 27.5 | 2681.5 | 22.5 | 2029.0 | 22.5 | 2201.5 |
| 08/24/81 | 73.00 | 59.00 | .35 | 24.00 | 157.00 | .09 | 74.00 | 69.00 | 21.0 | 2702.5 | 16.0 | 2045.0 | 16.0 | 2217.5 |
| 08/25/81 | 80.00 | 60.00 | .04 | 4.00 | 390.00 | .06 | 86.00 | 68.00 | 25.0 | 2727.5 | 20.0 | 2065.0 | 20.0 | 2237.5 |
| 08/26/81 | 76.00 | 62.00 | .40 | 4.00 | 217.00 | .13 | 77.00 | 70.00 | 24.0 | 2751.5 | 19.0 | 2084.0 | 19.0 | 2256.5 |
| 08/27/81 | 70.00 | 61.00 | .33 | 97.00 | 129.00 | .06 | 74.00 | 69.00 | 20.5 | 2772.0 | 15.5 | 2099.5 | 15.5 | 2272.0 |
| 08/28/81 | 65.00 | 57.00 | .49 | 52.00 | 56.00 | .04 | 69.00 | 68.00 | 16.0 | 2788.0 | 11.0 | 2110.5 | 11.0 | 2283.0 |
| 08/29/81 | 63.00 | 58.00 | .08 | 15.00 | 78.00 | 0 | 68.00 | 66.00 | 15.5 | 2803.5 | 10.5 | 2121.0 | 10.5 | 2293.5 |
| 08/30/81 | 75.00 | 55.00 | 0 | 5.00 | 290.00 | .12 | 76.00 | 66.00 | 20.0 | 2823.5 | 15.0 | 2136.0 | 15.0 | 2308.5 |
| 08/31/81 | 81.00 | 61.00 | 0 | 48.00 | 395.00 | .15 | 78.00 | 66.00 | 26.0 | 2849.5 | 21.0 | 2157.0 | 21.0 | 2329.5 |
| 09/01/81 | 78.00 | 51.00 | 0 | 57.00 | 210.00 | .14 | 75.00 | 64.00 | 19.5 | 2869.0 | 14.5 | 2171.5 | 14.5 | 2344.0 |
| 09/02/81 | 69.00 | 45.00 | 0 | 39.00 | 424.00 | .14 | 76.00 | 62.00 | 12.0 | 2881.0 | 7.0 | 2178.5 | 9.5 | 2353.5 |
| 09/03/81 | 73.00 | 50.00 | 0 | 12.00 | 446.00 | .30 | 77.00 | 62.00 | 16.5 | 2897.5 | 11.5 | 2190.0 | 11.5 | 2365.0 |
| 09/04/81 | 71.00 | 44.00 | 0 | 57.00 | 318.00 | .15 | 74.00 | 62.00 | 12.5 | 2910.0 | 7.5 | 2197.5 | 10.5 | 2375.5 |
| 09/05/81 | 71.00 | 45.00 | 0 | 21.00 | 467.00 | .15 | 77.00 | 62.00 | 13.0 | 2923.0 | 8.0 | 2205.5 | 10.5 | 2386.0 |
| 09/06/81 | 80.00 | 56.00 | 0 | 37.00 | 379.00 | .15 | 77.00 | 63.00 | 23.0 | 2946.0 | 18.0 | 2223.5 | 18.0 | 2404.0 |
| 09/07/81 | 84.00 | 56.00 | .17 | 61.00 | 343.00 | .16 | 70.00 | 68.00 | 25.0 | 2971.0 | 20.0 | 2243.5 | 20.0 | 2424.0 |
| 09/08/81 | 74.00 | 50.00 | 0 | 77.00 | 425.00 | .25 | 75.00 | 62.00 | 17.0 | 2988.0 | 12.0 | 2255.5 | 12.0 | 2436.0 |
| 09/09/81 | 78.00 | 52.00 | 0 | 15.00 | 453.00 | .24 | 78.00 | 63.00 | 20.0 | 3008.0 | 15.0 | 2270.5 | 15.0 | 2451.0 |
| 09/10/81 | 88.00 | 53.00 | 0 | 56.00 | 442.00 | .25 | 79.00 | 65.00 | 25.5 | 3033.5 | 20.5 | 2291.0 | 19.5 | 2470.5 |
| 09/11/81 | 90.00 | 55.00 | 0 | 14.00 | 439.00 | .23 | 83.00 | 68.00 | 27.5 | 3061.0 | 22.5 | 2313.5 | 20.5 | 2491.0 |
| 09/12/81 | 82.00 | 48.00 | 0 | 51.00 | 430.00 | .30 | 80.00 | 66.00 | 20.0 | 3081.0 | 15.0 | 2328.5 | 16.0 | 2507.0 |
| 09/13/81 | 84.00 | 49.00 | 0 | 5.00 | 435.00 | .15 | 80.00 | 66.00 | 21.5 | 3102.5 | 16.5 | 2345.0 | 17.0 | 2524.0 |
| 09/14/81 | 84.00 | 46.00 | 0 | 39.00 | 423.00 | .30 | 81.00 | 66.00 | 20.0 | 3122.5 | 15.0 | 2360.0 | 17.0 | 2541.0 |
| 09/15/81 | 74.00 | 46.00 | 0 | 28.00 | 315.00 | .17 | 76.00 | 64.00 | 15.0 | 3137.5 | 10.0 | 2370.0 | 12.0 | 2553.0 |
| 09/16/81 | 65.00 | 41.00 | 0 | 40.00 | 233.00 | .11 | 70.00 | 60.00 | 8.0 | 3145.5 | 3.0 | 2373.0 | 7.5 | 2560.5 |
| 09/17/81 | 65.00 | 35.00 | 0 | 74.00 | 268.00 | .14 | 66.00 | 56.00 | 5.0 | 3150.5 | 0.0 | 2373.0 | 7.5 | 2568.0 |
| 09/18/81 | 65.00 | 36.00 | 0 | 4.00 | 414.00 | .14 | 60.00 | 58.00 | 5.5 | 3156.0 | .5 | 2373.5 | 7.5 | 2575.5 |
| 09/19/81 | 74.00 | 44.00 | 0 | 50.00 | 381.00 | .14 | 70.00 | 62.00 | 14.0 | 3170.0 | 9.0 | 2382.5 | 12.0 | 2587.5 |
| 09/20/81 | 76.00 | 42.00 | 0 | 15.00 | 382.00 | .14 | 74.00 | 60.00 | 14.0 | 3184.0 | 9.0 | 2391.5 | 13.0 | 2600.5 |
| 09/21/81 | 78.00 | 49.00 | 0 | 39.00 | 370.00 | .26 | 73.00 | 60.00 | 18.5 | 3202.5 | 13.5 | 2405.0 | 14.0 | 2614.5 |
| 09/22/81 | 72.00 | 40.00 | 0 | 41.00 | 786.00 | .25 | 72.00 | 60.00 | 11.0 | 3213.5 | 6.0 | 2411.0 | 11.0 | 2625.5 |
| 09/23/81 | 66.00 | 43.00 | 0 | 69.00 | 264.00 | .14 | 68.00 | 60.00 | 9.5 | 3223.0 | 4.5 | 2415.5 | 8.0 | 2633.5 |
| 09/24/81 | 70.00 | 46.00 | .29 | 47.00 | 211.00 | .14 | 64.00 | 60.00 | 13.0 | 3236.0 | 9.0 | 2423.5 | 10.0 | 2643.5 |
| 09/25/81 | 71.00 | 49.00 | .02 | 34.00 | 223.00 | .04 | 68.00 | 60.00 | 15.0 | 3251.0 | 10.0 | 2433.5 | 10.5 | 2654.0 |
| 09/26/81 | 68.00 | 61.00 | .13 | 47.00 | 68.00 | .04 | 67.00 | 65.00 | 19.5 | 3270.5 | 14.5 | 2448.0 | 14.5 | 2668.5 |
| 09/27/81 | 66.00 | 50.00 | 0 | 139.00 | 251.00 | .24 | 65.00 | 54.00 | 13.0 | 3283.5 | 8.0 | 2456.0 | 8.0 | 2676.5 |
| 09/28/81 | 62.00 | 31.00 | 0 | 85.00 | 402.00 | .15 | 64.00 | 54.00 | 1.5 | 3285.0 | 0.0 | 2456.0 | 6.0 | 2682.5 |
| 09/29/81 | 70.00 | 33.00 | 0 | 47.00 | 330.00 | .15 | 64.00 | 53.00 | 6.5 | 3291.5 | 1.5 | 2457.5 | 10.0 | 2692.5 |
| 09/30/81 | 72.00 | 49.00 | 0 | 95.00 | 258.00 | .15 | 67.00 | 57.00 | 15.5 | 3307.0 | 10.5 | 2468.0 | 11.0 | 2703.5 |
| 10/01/81 | 56.00 | 43.00 | 0 | 133.00 | 45.00 | .15 | 60.00 | 56.00 | 4.5 | 3311.5 | 0.0 | 2468.0 | 3.0 | 2706.5 |
| 10/02/81 | 49.00 | 24.00 | 0 | 72.00 | 177.00 | .15 | 57.00 | 48.00 | 0.0 | 3311.5 | 0.0 | 2468.0 | 0.0 | 2706.5 |
| 10/03/81 | 63.00 | 27.00 | 0 | 71.00 | 374.00 | .30 | 60.00 | 48.00 | 0.0 | 3311.5 | 0.0 | 2468.0 | 6.5 | 2713.0 |
| 10/04/81 | 52.00 | 42.00 | .80 | 95.00 | 26.00 | .11 | 54.00 | 54.00 | 2.0 | 3313.5 | 0.0 | 2468.0 | 1.0 | 2714.0 |
| 10/05/81 | 59.00 | 49.00 | 0 | 21.00 | 111.00 | .15 | 58.00 | 54.00 | 9.0 | 3322.5 | 4.0 | 2472.0 | 4.5 | 2718.5 |
| 10/06/81 | 55.00 | 43.00 | .48 | 35.00 | 79.00 | 0 | 58.00 | 52.00 | 4.0 | 3326.5 | 0.0 | 2472.0 | 2.5 | 2721.0 |
| 10/07/81 | 57.00 | 29.00 | 0 | 71.00 | 361.00 | .15 | 57.00 | 46.00 | 0.0 | 3326.5 | 0.0 | 2472.0 | 3.5 | 2724.5 |
| 10/08/81 | 62.00 | 32.00 | 0 | 25.00 | 355.00 | .15 | 56.00 | 46.00 | 2.0 | 3328.5 | 0.0 | 2472.0 | 6.0 | 2730.5 |
| 10/09/81 | 65.00 | 46.00 | 0 | 45.00 | 311.00 | .15 | 58.00 | 51.00 | 10.5 | 3339.0 | 5.5 | 2477.5 | 7.5 | 2738.0 |
| 10/10/81 | 52.00 | 40.00 | .10 | 12.00 | 28.00 | .04 | 54.00 | 50.00 | 1.0 | 3340.0 | 0.0 | 2477.5 | 1.0 | 2739.0 |
| 10/11/81 | 70.00 | 41.00 | 0 | 9.00 | 241.00 | .15 | 60.00 | 50.00 | 10.5 | 3350.5 | 5.5 | 2483.0 | 10.0 | 2749.0 |
| 10/12/81 | 68.00 | 48.00 | 0 | 145.00 | 285.00 | .15 | 58.00 | 52.00 | 13.0 | 3363.5 | 8.0 | 2491.0 | 9.0 | 2758.0 |
| 10/13/81 | 61.00 | 49.00 | 0 | 100.00 | 92.00 | 0 | 58.00 | 55.00 | 10.0 | 3373.5 | 5.0 | 2496.0 | 5.5 | 2763.5 |
| 10/14/81 | 61.00 | 44.00 | .92 | 45.00 | 25.00 | .02 | 59.00 | 54.00 | 7.5 | 3381.0 | 2.5 | 2498.5 | 5.5 | 2769.0 |
| 10/15/81 | 56.00 | 37.00 | .03 | 33.00 | 162.00 | .04 | 58.00 | 50.00 | 1.5 | 3382.5 | 0.0 | 2498.5 | 3.0 | 2772.0 |
| 10/16/81 | 59.00 | 34.00 | 0 | 20.00 | 308.00 | .15 | 56.00 | 47.00 | 1.5 | 3384.0 | 0.0 | 2498.5 | 4.5 | 2776.5 |
| 10/17/81 | 67.00 | 38.00 | .16 | 37.00 | 247.00 | .02 | 56.00 | 47.00 | 7.5 | 3391.5 | 2.5 | 2501.0 | 8.5 | 2785.0 |
| 10/18/81 | 59.00 | 31.00 | .23 | 250.00 | 71.00 | .08 | 56.00 | 46.00 | 0.0 | 3391.5 | 0.0 | 2501.0 | 4.5 | 2789.5 |
| 10/19/81 | 45.00 | 26.00 | 0 | 0 | 232.00 | 0 | 0 | 0 | 0.0 | 3391.5 | 0.0 | 2501.0 | 0.0 | 2789.5 |
| 10/20/81 | 68.00 | 35.00 | 0 | 0 | 302.00 | 0 | 52.00 | 41.00 | 6.5 | 3398.0 | 1.5 | 2502.5 | 9.0 | 2796.5 |
| 10/21/81 | 50.00 | 34.00 | 0 | 0 | 116.00 | 0 | 51.00 | 46.00 | 0.0 | 3398.0 | 0.0 | 2502.5 | 0.0 | 2798.5 |
| 10/22/81 | 44.00 | 24.00 | 0 | 0 | 170.00 | 0 | 48.00 | 42.00 | 0.0 | 3398.0 | 0.0 | 2502.5 | 0.0 | 2798.5 |
| 10/23/81 | 40.00 | 21.00 | 0 | 0 | 224.00 | 0 | 0 | 0 | 0.0 | 3398.0 | 0.0 | 2502.5 | 0.0 | 2798.5 |
| 10/24/81 | 33.00 | 23.00 | .07 | 0 | 256.00 | 0 | 0 | 0 | 0.0 | 3398.0 | 0.0 | 2502.5 | 0.0 | 2798.5 |
| 10/25/81 | 44.00 | 29.00 | 0 | 0 | 133.00 | 0 | 0 | 0 | 0.0 | 3398.0 | 0.0 | 2502.5 | 0.0 | 2798.5 |
| 10/26/81 | 40.00 | 24.00 | 0 | 0 | 149.00 | 0 | 0 | 0 | 0.0 | 3398.0 | 0.0 | 2502.5 | 0.0 | 2798.5 |
| 10/27/81 | 56.00 | 32.00 | 0 | 0 | 276.00 | 0 | 0 | 0 | 0.0 | 3398.0 | 0.0 | 2502.5 | 3.0 | 2801.5 |
| 10/28/81 | 61.00 | 37.00 | 0 | 0 | 264.00 | 0 | 4.0 | 3402.0 | 0.0 | 3402.0 | 0.0 | 2502.5 | 5.5 | 2807.0 |
| 10/29/81 | 69.00 | 43.00 | 0 | 0 | 202.00 | 0 | 54.00 | 48.00 | 11.0 | 3413.0 | 6.0 | 2508.5 | 9.5 | 2816.5 |
| 10/30/81 | 66.00 | 39.00 | 0 | 0 | 231.00 | 0 | 54.00 | 48.00 | 7.5 | 3420.5 | 2.5 | 2511.0 | 8.0 | 2824.5 |
| 10/31/81 | 63.00 | 37.00 | 0 | 0 | 56.00 | 0 | 55.00 | 47.00 | 5.0 | 3425.5 | 0.0 | 2511.0 | 6.5 | 2831.0 |

LOCATION: MORRIS

| DATE | MAXTEMP | MINTEMP | PRECIP | WIND | SOLAR | PAN | SOILMAX | SOILMIN | BASE = 40 | | | BASE = 45 | | | BASE = 50/86 | | |
|----------|---------|---------|--------|------|-------|-----|---------|---------|-----------|-------|-------|-----------|-------|-------|--------------|-------|-------|
| | | | | | | | | | DAILY | ACCUM | DAILY | ACCUM | DAILY | ACCUM | DAILY | ACCUM | |
| 04/01/81 | 47.00 | 33.00 | .27 | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 04/02/81 | 55.00 | 33.00 | 0 | | | | | | 4.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 2.5 | 2.5 |
| 04/03/81 | 74.00 | 42.00 | .13 | | | | | | 18.0 | 22.0 | 13.0 | 13.0 | 12.0 | 12.0 | 14.5 | 14.5 | 14.5 |
| 04/04/81 | 44.00 | 30.00 | .11 | | | | | | 0.0 | 22.0 | 0.0 | 13.0 | 0.0 | 0.0 | 14.5 | 14.5 | 14.5 |
| 04/05/81 | 38.00 | 25.00 | 0 | | | | | | 0.0 | 22.0 | 0.0 | 13.0 | 0.0 | 0.0 | 14.5 | 14.5 | 14.5 |
| 04/06/81 | 49.00 | 29.00 | 0 | | | | | | 0.0 | 22.0 | 0.0 | 13.0 | 0.0 | 0.0 | 25.0 | 25.0 | 25.0 |
| 04/07/81 | 71.00 | 38.00 | 0 | | | | | | 14.5 | 36.5 | 9.5 | 22.5 | 10.5 | 10.5 | 30.0 | 30.0 | 30.0 |
| 04/08/81 | 60.00 | 37.00 | 0 | | | | | | 8.5 | 45.0 | 3.5 | 26.0 | 5.0 | 5.0 | 35.0 | 35.0 | 35.0 |
| 04/09/81 | 60.00 | 30.00 | 0 | | | | | | 5.0 | 50.0 | 0.0 | 26.0 | 5.0 | 5.0 | 44.5 | 44.5 | 44.5 |
| 04/10/81 | 69.00 | 41.00 | .06 | | | | | | 15.0 | 65.0 | 10.0 | 36.0 | 9.5 | 9.5 | 52.5 | 52.5 | 52.5 |
| 04/11/81 | 66.00 | 38.00 | 0 | | | | | | 12.0 | 77.0 | 7.0 | 43.0 | 8.0 | 8.0 | 62.0 | 62.0 | 62.0 |
| 04/12/81 | 45.00 | 34.00 | 0 | | | | | | 0.0 | 77.0 | 0.0 | 43.0 | 0.0 | 0.0 | 52.5 | 52.5 | 52.5 |
| 04/13/81 | 69.00 | 41.00 | .02 | | | | | | 15.0 | 92.8 | 10.0 | 53.0 | 9.5 | 9.5 | 62.0 | 62.0 | 62.0 |
| 04/14/81 | 58.00 | 20.00 | 0 | | | | | 35.00 | 0.0 | 92.0 | 0.0 | 53.0 | 0.0 | 0.0 | 62.0 | 62.0 | 62.0 |
| 04/15/81 | 48.00 | 27.00 | 0 | | | | | | 0.0 | 92.0 | 0.0 | 53.0 | 0.0 | 0.0 | 62.0 | 62.0 | 62.0 |
| 04/16/81 | 49.00 | 42.00 | 0 | | | | | | 15.5 | 107.5 | 10.5 | 63.5 | 9.5 | 9.5 | 71.5 | 71.5 | 71.5 |
| 04/17/81 | 75.00 | 45.00 | 0 | | | | | | 20.0 | 127.5 | 15.0 | 78.5 | 12.5 | 12.5 | 84.0 | 84.0 | 84.0 |
| 04/18/81 | 66.00 | 24.00 | 0 | | | | | | 5.0 | 132.5 | 0.0 | 78.5 | 8.0 | 8.0 | 92.0 | 92.0 | 92.0 |
| 04/19/81 | 59.00 | 40.00 | .08 | | | | | | 9.5 | 142.0 | 4.5 | 83.0 | 4.5 | 4.5 | 96.5 | 96.5 | 96.5 |
| 04/20/81 | 56.00 | 27.00 | 0 | | | | | | 1.5 | 143.5 | 0.0 | 83.0 | 3.0 | 3.0 | 99.5 | 99.5 | 99.5 |
| 04/21/81 | 55.00 | 37.00 | .36 | | | | | | 6.0 | 149.5 | 1.0 | 84.0 | 2.5 | 2.5 | 102.0 | 102.0 | 102.0 |
| 04/22/81 | 53.00 | 38.00 | .02 | | | | | | 5.5 | 155.0 | .5 | 84.5 | 1.5 | 1.5 | 103.5 | 103.5 | 103.5 |
| 04/23/81 | 49.00 | 34.00 | .32 | | | | | | 1.5 | 156.5 | 0.0 | 84.5 | 0.0 | 0.0 | 103.5 | 103.5 | 103.5 |
| 04/24/81 | 51.00 | 28.00 | 0 | | | | | | 0.0 | 156.5 | 0.0 | 84.5 | .5 | .5 | 104.0 | 104.0 | 104.0 |
| 04/25/81 | 63.00 | 36.00 | .02 | | | | | | 9.5 | 166.0 | 4.5 | 89.0 | 6.5 | 6.5 | 110.5 | 110.5 | 110.5 |
| 04/26/81 | 67.00 | 42.00 | 0 | | | | | | 14.5 | 180.5 | 9.5 | 98.5 | 8.5 | 8.5 | 119.0 | 119.0 | 119.0 |
| 04/27/81 | 74.00 | 45.00 | 0 | | | | | | 19.5 | 200.0 | 14.5 | 113.0 | 12.0 | 12.0 | 131.0 | 131.0 | 131.0 |
| 04/28/81 | 72.00 | 45.00 | .03 | | | | | | 18.5 | 218.5 | 13.5 | 126.5 | 11.0 | 11.0 | 142.0 | 142.0 | 142.0 |
| 04/29/81 | 61.00 | 42.00 | .06 | | | | | | 11.5 | 230.0 | 6.5 | 133.0 | 5.5 | 5.5 | 147.5 | 147.5 | 147.5 |
| 04/30/81 | 63.00 | 39.00 | .30 | | | | | | 11.0 | 241.0 | 6.0 | 139.0 | 6.5 | 6.5 | 154.0 | 154.0 | 154.0 |
| 05/01/81 | 63.00 | 34.00 | .05 | | | | | | 8.5 | 249.5 | 3.5 | 142.5 | 6.5 | 6.5 | 160.5 | 160.5 | 160.5 |
| 05/02/81 | 63.00 | 36.00 | 0 | | | | | | 9.5 | 259.0 | 4.5 | 147.0 | 6.5 | 6.5 | 167.0 | 167.0 | 167.0 |
| 05/03/81 | 83.00 | 56.00 | .16 | | | | | | 29.5 | 288.5 | 24.5 | 171.5 | 19.5 | 19.5 | 186.5 | 186.5 | 186.5 |
| 05/04/81 | 66.00 | 44.00 | .02 | | | | | | 15.0 | 303.5 | 10.0 | 181.5 | 8.0 | 8.0 | 194.5 | 194.5 | 194.5 |
| 05/05/81 | 59.00 | 40.00 | .02 | | | | | | 7.0 | 310.5 | 2.0 | 183.5 | 4.5 | 4.5 | 199.0 | 199.0 | 199.0 |
| 05/06/81 | 63.00 | 36.00 | 0 | | | | | | 9.5 | 320.0 | 4.5 | 188.0 | 6.5 | 6.5 | 205.5 | 205.5 | 205.5 |
| 05/07/81 | 65.00 | 37.00 | 0 | | | | | | 11.0 | 331.8 | 6.0 | 194.0 | 7.5 | 7.5 | 213.0 | 213.0 | 213.0 |
| 05/08/81 | 67.00 | 46.00 | 0 | | | | | | 16.5 | 347.5 | 11.5 | 205.5 | 8.5 | 8.5 | 221.5 | 221.5 | 221.5 |
| 05/09/81 | 69.00 | 34.00 | 0 | | | | | | 11.5 | 359.0 | 6.5 | 212.0 | 9.5 | 9.5 | 231.0 | 231.0 | 231.0 |
| 05/10/81 | 50.00 | 23.00 | 0 | | | | | | 0.0 | 359.0 | 0.0 | 212.0 | 0.0 | 0.0 | 231.0 | 231.0 | 231.0 |
| 05/11/81 | 58.00 | 35.00 | 0 | | | | | | 6.5 | 365.5 | 1.5 | 213.5 | 4.0 | 4.0 | 235.0 | 235.0 | 235.0 |
| 05/12/81 | 64.00 | 38.00 | 0 | | | | | | 11.0 | 376.5 | 6.0 | 218.5 | 7.0 | 7.0 | 242.0 | 242.0 | 242.0 |
| 05/13/81 | 60.00 | 29.00 | 0 | | | | | | 4.5 | 381.0 | 0.0 | 219.5 | 5.0 | 5.0 | 247.0 | 247.0 | 247.0 |
| 05/14/81 | 71.00 | 30.00 | 0 | | | | | | 14.5 | 395.5 | 9.5 | 229.0 | 10.5 | 10.5 | 257.5 | 257.5 | 257.5 |
| 05/15/81 | 74.00 | 40.00 | 0 | | | | | | 17.0 | 412.5 | 12.0 | 241.0 | 12.0 | 12.0 | 269.5 | 269.5 | 269.5 |
| 05/16/81 | 78.00 | 55.00 | 0 | | | | | | 26.5 | 439.0 | 21.5 | 262.5 | 16.5 | 16.5 | 284.0 | 284.0 | 284.0 |
| 05/17/81 | 72.00 | 46.00 | 0 | | | | | | 19.0 | 458.0 | 14.0 | 276.5 | 11.0 | 11.0 | 297.0 | 297.0 | 297.0 |
| 05/18/81 | 59.00 | 38.00 | 0 | | | | | | 8.5 | 466.5 | 3.5 | 280.0 | 4.5 | 4.5 | 301.5 | 301.5 | 301.5 |
| 05/19/81 | 69.00 | 34.00 | 0 | | | | | | 11.5 | 478.0 | 6.5 | 286.5 | 9.5 | 9.5 | 311.0 | 311.0 | 311.0 |
| 05/20/81 | 75.00 | 38.00 | 0 | | | | | | 16.5 | 494.5 | 11.5 | 298.0 | 12.5 | 12.5 | 323.5 | 323.5 | 323.5 |
| 05/21/81 | 81.00 | 47.00 | 0 | | | | | | 24.0 | 518.5 | 19.0 | 317.0 | 15.5 | 15.5 | 339.0 | 339.0 | 339.0 |
| 05/22/81 | 82.00 | 58.00 | 0 | | | | | | 30.0 | 548.5 | 25.0 | 342.0 | 20.0 | 20.0 | 359.0 | 359.0 | 359.0 |
| 05/23/81 | 82.00 | 55.00 | .04 | | | | | | 28.5 | 578.5 | 23.5 | 365.5 | 18.5 | 18.5 | 377.5 | 377.5 | 377.5 |
| 05/24/81 | 68.00 | 45.00 | .46 | | | | | | 16.5 | 593.5 | 11.5 | 377.0 | 9.0 | 9.0 | 386.5 | 386.5 | 386.5 |
| 05/25/81 | 52.00 | 45.00 | .09 | | | | | | 8.5 | 602.0 | 3.5 | 380.5 | 1.0 | 1.0 | 387.5 | 387.5 | 387.5 |
| 05/26/81 | 65.00 | 47.00 | .01 | | | | | | 11.5 | 613.5 | 6.5 | 387.0 | 3.0 | 3.0 | 390.5 | 390.5 | 390.5 |
| 05/27/81 | 65.00 | 52.00 | 0 | | | | | | 18.5 | 632.0 | 13.5 | 400.5 | 8.5 | 8.5 | 399.0 | 399.0 | 399.0 |
| 05/28/81 | 70.00 | 53.00 | 1.06 | | | | | | 21.5 | 653.5 | 16.5 | 417.0 | 11.5 | 11.5 | 410.5 | 410.5 | 410.5 |
| 05/29/81 | 66.00 | 51.00 | .01 | | | | | | 18.5 | 672.0 | 13.5 | 430.5 | 8.5 | 8.5 | 419.0 | 419.0 | 419.0 |
| 05/30/81 | 71.00 | 44.00 | 0 | | | | | | 17.5 | 689.5 | 12.5 | 443.0 | 10.5 | 10.5 | 429.5 | 429.5 | 429.5 |
| 06/01/81 | 79.00 | 51.00 | .23 | | | | | | 25.0 | 717.0 | 15.5 | 455.5 | 12.5 | 12.5 | 438.5 | 438.5 | 438.5 |
| 06/02/81 | 80.00 | 53.00 | 0 | | | | | | 25.0 | 732.0 | 15.0 | 475.5 | 15.0 | 15.0 | 453.5 | 453.5 | 453.5 |
| 06/03/81 | 84.00 | 54.00 | .69 | | | | | | 26.5 | 758.5 | 16.5 | 497.0 | 16.5 | 16.5 | 470.0 | 470.0 | 470.0 |
| 06/04/81 | 75.00 | 55.00 | 0 | | | | | | 19.0 | 777.5 | 14.0 | 511.0 | 9.0 | 9.0 | 479.0 | 479.0 | 479.0 |
| 06/05/81 | 75.00 | 55.00 | 0 | | | | | | 25.0 | 802.5 | 20.0 | 531.0 | 15.0 | 15.0 | 494.0 | 494.0 | 494.0 |

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|----------|-------|-------|------|--------|--------|-----|-------|-------|------|--------|------|--------|------|--------|
| 06/05/81 | 88.00 | 55.00 | .40 | 191.00 | 614.00 | .33 | 76.00 | 59.00 | 27.5 | 830.00 | 22.5 | 553.5 | 17.5 | 511.5 |
| 06/06/81 | 79.00 | 47.00 | | 123.00 | 721.00 | .30 | 73.00 | 57.00 | 25.0 | 853.80 | 18.0 | 571.5 | 14.5 | 526.0 |
| 06/07/81 | 82.00 | 58.00 | .04 | 191.00 | 503.00 | .37 | 85.00 | 56.00 | 30.0 | 883.0 | 25.0 | 596.5 | 20.0 | 546.0 |
| 06/08/81 | 81.00 | 51.00 | .01 | 157.00 | 503.00 | .26 | 84.00 | 63.00 | 26.0 | 909.0 | 17.0 | 617.5 | 16.0 | 562.0 |
| 06/09/81 | 71.00 | 53.00 | .43 | 191.00 | 368.00 | .11 | 74.00 | 61.00 | 22.0 | 931.0 | 21.0 | 634.5 | 12.0 | 574.0 |
| 06/10/81 | 71.00 | 46.00 | .11 | 205.00 | 706.00 | .20 | 71.00 | 55.00 | 20.0 | 951.0 | 15.0 | 649.5 | 12.5 | 586.0 |
| 06/11/81 | 75.00 | 48.00 | .31 | 169.00 | 418.00 | .31 | 76.00 | 55.00 | 21.5 | 972.5 | 16.5 | 666.0 | 12.5 | 598.5 |
| 06/12/81 | 74.00 | 51.00 | 0 | 141.00 | 450.00 | .16 | 75.00 | 58.00 | 22.5 | 995.0 | 17.5 | 683.5 | 12.5 | 611.0 |
| 06/13/81 | 74.00 | 59.00 | 2.80 | 152.00 | 400.00 | .18 | 75.00 | 62.00 | 26.5 | 1021.5 | 21.5 | 705.0 | 16.5 | 627.5 |
| 06/14/81 | 75.00 | 61.00 | .65 | 152.00 | 400.00 | .18 | 72.00 | 65.00 | 28.0 | 1049.5 | 23.0 | 728.0 | 18.0 | 645.5 |
| 06/15/81 | 74.00 | 50.00 | .04 | 200.00 | 562.00 | .19 | 76.00 | 60.00 | 22.0 | 1071.5 | 17.0 | 745.0 | 12.0 | 657.5 |
| 06/16/81 | 68.00 | 47.00 | .04 | 230.00 | 717.00 | .32 | 70.00 | 58.00 | 17.5 | 1089.0 | 12.5 | 757.5 | 9.0 | 666.5 |
| 06/17/81 | 76.00 | 52.00 | .36 | 201.00 | 475.00 | .36 | 79.00 | 56.00 | 24.0 | 1113.0 | 19.0 | 776.5 | 14.0 | 680.5 |
| 06/18/81 | 76.00 | 51.00 | 0 | 280.00 | 702.00 | .25 | 76.00 | 60.00 | 23.5 | 1136.5 | 18.5 | 795.0 | 13.5 | 694.0 |
| 06/19/81 | 68.00 | 52.00 | 0 | 56.00 | 449.00 | .31 | 83.00 | 56.00 | 20.0 | 1156.5 | 15.0 | 810.0 | 10.0 | 704.0 |
| 06/20/81 | 59.00 | 44.00 | .27 | 82.00 | 415.00 | .06 | 64.00 | 55.00 | 11.5 | 1168.0 | 6.5 | 816.5 | 4.5 | 708.5 |
| 06/21/81 | 70.00 | 49.00 | .12 | 123.00 | 290.00 | .14 | 72.00 | 55.00 | 19.5 | 1187.5 | 14.5 | 831.0 | 10.0 | 718.5 |
| 06/22/81 | 67.00 | 52.00 | .21 | 147.00 | 282.00 | .12 | 68.00 | 58.00 | 19.5 | 1207.0 | 14.5 | 845.5 | 9.5 | 728.0 |
| 06/23/81 | 71.00 | 51.00 | .06 | 211.00 | 210.00 | .22 | 71.00 | 57.00 | 21.0 | 1228.0 | 16.0 | 861.5 | 11.0 | 739.0 |
| 06/24/81 | 67.00 | 55.00 | .60 | 218.00 | 703.00 | .20 | 64.00 | 58.00 | 21.0 | 1249.0 | 16.0 | 877.5 | 11.0 | 750.0 |
| 06/25/81 | 75.00 | 52.00 | 0 | 165.00 | 717.00 | .32 | 72.00 | 58.00 | 23.5 | 1272.5 | 18.5 | 896.0 | 13.5 | 763.5 |
| 06/26/81 | 76.00 | 48.00 | 0 | 102.00 | 684.00 | .31 | 79.00 | 58.00 | 22.0 | 1294.5 | 17.0 | 913.0 | 13.0 | 776.5 |
| 06/27/81 | 80.00 | 60.00 | .02 | 45.00 | 623.00 | .31 | 83.00 | 58.00 | 30.0 | 1324.5 | 25.0 | 938.0 | 20.0 | 796.5 |
| 06/28/81 | 79.00 | 63.00 | 0 | 137.00 | 292.00 | .12 | 76.00 | 66.00 | 31.0 | 1355.5 | 26.0 | 964.0 | 21.0 | 817.5 |
| 06/29/81 | 82.00 | 57.00 | 0 | 136.00 | 659.00 | .13 | 80.00 | 67.00 | 29.5 | 1385.0 | 24.5 | 988.5 | 19.5 | 837.0 |
| 06/30/81 | 75.00 | 51.00 | 0 | 128.00 | 717.00 | .26 | 87.00 | 64.00 | 23.0 | 1408.0 | 18.0 | 1006.5 | 13.0 | 854.0 |
| 07/01/81 | 81.00 | 58.00 | 0 | 200.00 | 676.00 | .33 | 89.00 | 66.00 | 29.5 | 1437.5 | 24.5 | 1031.0 | 19.5 | 869.5 |
| 07/02/81 | 83.00 | 61.00 | 0 | 150.00 | 452.00 | .41 | 89.00 | 68.00 | 32.0 | 1469.5 | 27.0 | 1058.0 | 22.0 | 891.5 |
| 07/03/81 | 84.00 | 65.00 | 0 | 88.00 | 571.00 | .22 | 88.00 | 71.00 | 34.5 | 1504.0 | 29.5 | 1087.5 | 24.5 | 916.0 |
| 07/04/81 | 85.00 | 63.00 | 0 | 67.00 | 557.00 | .21 | 89.00 | 72.00 | 34.0 | 1538.0 | 29.0 | 1116.5 | 24.0 | 940.0 |
| 07/05/81 | 83.00 | 54.00 | 0 | 74.00 | 702.00 | .22 | 94.00 | 72.00 | 28.5 | 1566.5 | 23.5 | 1140.0 | 18.5 | 958.5 |
| 07/06/81 | 87.00 | 60.00 | 0 | 148.00 | 698.00 | .34 | 96.00 | 72.00 | 33.5 | 1608.0 | 28.5 | 1168.5 | 23.0 | 981.5 |
| 07/07/81 | 89.00 | 66.00 | 0 | 222.00 | 675.00 | .39 | 97.00 | 75.00 | 37.5 | 1637.5 | 32.5 | 1201.0 | 26.0 | 1007.5 |
| 07/08/81 | 89.00 | 71.00 | 0 | 181.00 | 466.00 | .38 | 94.00 | 76.00 | 40.0 | 1677.5 | 35.0 | 1236.0 | 28.5 | 1036.0 |
| 07/09/81 | 85.00 | 45.00 | 0 | 78.00 | 706.00 | .38 | 85.00 | 70.00 | 25.0 | 1702.5 | 20.0 | 1256.0 | 17.5 | 1053.5 |
| 07/10/81 | 84.00 | 55.00 | 1.06 | 161.00 | 501.00 | .31 | 91.00 | 66.00 | 29.5 | 1732.0 | 24.5 | 1280.5 | 19.5 | 1073.0 |
| 07/11/81 | 91.00 | 64.00 | 1.25 | 89.00 | 496.00 | .41 | 88.00 | 71.00 | 37.5 | 1769.5 | 32.5 | 1313.0 | 25.0 | 1096.0 |
| 07/12/81 | 84.00 | 66.00 | .44 | 89.00 | 346.00 | .45 | 85.00 | 73.00 | 35.0 | 1804.5 | 30.0 | 1343.0 | 25.0 | 1123.0 |
| 07/13/81 | 82.00 | 65.00 | .04 | 186.00 | 369.00 | .30 | 83.00 | 71.00 | 33.5 | 1838.0 | 28.5 | 1371.5 | 23.5 | 1146.5 |
| 07/14/81 | 82.00 | 67.00 | .04 | 186.00 | 369.00 | .30 | 81.00 | 70.00 | 34.5 | 1872.5 | 29.5 | 1401.0 | 24.5 | 1171.0 |
| 07/15/81 | 78.00 | 62.00 | .02 | 186.00 | 257.00 | .20 | 77.00 | 67.00 | 38.0 | 1902.5 | 25.0 | 1426.0 | 20.0 | 1191.0 |
| 07/16/81 | 72.00 | 58.00 | .02 | 81.00 | 462.00 | .08 | 77.00 | 66.00 | 25.0 | 1927.5 | 20.0 | 1446.0 | 15.0 | 1206.0 |
| 07/17/81 | 84.00 | 61.00 | 0 | 79.00 | 634.00 | .20 | 86.00 | 66.00 | 32.5 | 1960.0 | 27.5 | 1473.5 | 22.5 | 1228.5 |
| 07/18/81 | 84.00 | 60.00 | 0 | 40.00 | 529.00 | .29 | 92.00 | 69.00 | 32.0 | 1992.0 | 27.0 | 1500.5 | 22.0 | 1250.5 |
| 07/19/81 | 82.00 | 60.00 | 0 | 84.00 | 331.00 | .19 | 91.00 | 70.00 | 31.0 | 2023.0 | 26.0 | 1526.5 | 21.0 | 1271.5 |
| 07/20/81 | 78.00 | 62.00 | .81 | 108.00 | 395.00 | .14 | 90.00 | 69.00 | 30.0 | 2053.0 | 25.0 | 1551.5 | 20.0 | 1291.5 |
| 07/21/81 | 82.00 | 58.00 | .04 | 101.00 | 323.00 | .24 | 81.00 | 67.00 | 30.0 | 2083.0 | 25.0 | 1576.5 | 20.0 | 1311.5 |
| 07/22/81 | 77.00 | 56.00 | .07 | 137.00 | 437.00 | .17 | 81.00 | 65.00 | 26.5 | 2109.5 | 21.5 | 1598.0 | 16.5 | 1328.0 |
| 07/23/81 | 76.00 | 56.00 | 0 | 92.00 | 480.00 | .17 | 80.00 | 64.00 | 26.0 | 2135.5 | 21.0 | 1619.0 | 16.0 | 1344.0 |
| 07/24/81 | 80.00 | 60.00 | 0 | 97.00 | 486.00 | .18 | 87.00 | 62.00 | 30.0 | 2165.5 | 25.0 | 1644.0 | 20.0 | 1364.0 |
| 07/25/81 | 83.00 | 53.00 | .01 | 115.00 | 456.00 | .14 | 88.00 | 66.00 | 26.0 | 2193.5 | 23.0 | 1667.0 | 18.0 | 1382.0 |
| 07/26/81 | 72.00 | 55.00 | 0 | 54.00 | 542.00 | .21 | 85.00 | 68.00 | 23.5 | 2217.0 | 18.5 | 1685.5 | 13.5 | 1395.5 |
| 07/27/81 | 73.00 | 49.00 | 0 | 80.00 | 320.00 | .25 | 88.00 | 68.00 | 16.5 | 2238.0 | 16.0 | 1701.5 | 11.5 | 1407.0 |
| 07/28/81 | 68.00 | 45.00 | 0 | 72.00 | 344.00 | .11 | 77.00 | 63.00 | 16.5 | 2254.5 | 11.5 | 1713.0 | 9.0 | 1416.0 |
| 07/29/81 | 74.00 | 56.00 | 0 | 158.00 | 320.00 | .25 | 86.00 | 63.00 | 25.0 | 2279.5 | 20.0 | 1733.0 | 15.0 | 1431.0 |
| 07/30/81 | 71.00 | 62.00 | 0 | 132.00 | 281.00 | .16 | 78.00 | 70.00 | 26.5 | 2306.0 | 21.5 | 1754.5 | 16.5 | 1447.5 |
| 07/31/81 | 81.00 | 65.00 | 0 | 136.00 | 323.00 | .16 | 80.00 | 68.00 | 33.0 | 2339.0 | 28.0 | 1782.5 | 23.0 | 1470.5 |
| 08/01/81 | 87.00 | 67.00 | .05 | 94.00 | 508.00 | .15 | 86.00 | 72.00 | 37.0 | 2376.0 | 32.0 | 1814.5 | 26.5 | 1497.0 |
| 08/02/81 | 85.00 | 63.00 | .02 | 103.00 | 466.00 | .25 | 90.00 | 74.00 | 34.0 | 2410.0 | 29.0 | 1843.5 | 24.0 | 1521.0 |
| 08/03/81 | 85.00 | 62.00 | 1.08 | 116.00 | 555.00 | .57 | 89.00 | 74.00 | 33.5 | 2443.5 | 28.5 | 1872.0 | 23.5 | 1544.5 |
| 08/04/81 | 82.00 | 58.00 | .03 | 82.00 | 498.00 | .27 | 87.00 | 68.00 | 30.0 | 2473.5 | 25.0 | 1897.0 | 20.0 | 1564.5 |
| 08/05/81 | 82.00 | 65.00 | 0 | 124.00 | 464.00 | .21 | 84.00 | 66.00 | 33.5 | 2507.0 | 28.5 | 1925.5 | 23.5 | 1588.0 |
| 08/06/81 | 86.00 | 60.00 | 0 | 153.00 | 405.00 | .24 | 88.00 | 69.00 | 33.0 | 2540.0 | 28.0 | 1953.5 | 23.0 | 1611.0 |
| 08/07/81 | 88.00 | 59.00 | .12 | 173.00 | 592.00 | .20 | 81.00 | 66.00 | 33.5 | 2573.5 | 28.5 | 1982.0 | 22.5 | 1633.5 |
| 08/08/81 | 79.00 | 58.00 | 0 | 116.00 | 652.00 | .22 | 87.00 | 66.00 | 28.5 | 2602.0 | 23.5 | 2005.5 | 18.5 | 1652.0 |
| 08/09/81 | 80.00 | 55.00 | 0 | 137.00 | 351.00 | .21 | 86.00 | 69.00 | 27.5 | 2629.5 | 22.5 | 2028.0 | 17.5 | 1669.5 |
| 08/10/81 | 73.00 | 49.00 | .15 | 69.00 | 547.00 | .30 | 82.00 | 65.00 | 21.0 | 2650.5 | 16.0 | 2044.0 | 11.5 | 1681.0 |
| 08/11/81 | 80.00 | 54.00 | 0 | 66.00 | 463.00 | .24 | 85.00 | 63.00 | 27.5 | 2678.0 | 22.5 | 2066.5 | 17.5 | 1698.5 |
| 08/12/81 | 85.00 | 55.00 | 0 | 66.00 | 562.00 | .20 | 85.00 | 65.00 | 29.5 | 2707.5 | 24.5 | 2091.0 | 19.5 | 1710.0 |
| 08/13/81 | 92.00 | 60.00 | 0 | 121.00 | 433.00 | .21 | 92.00 | 65.00 | 36.0 | 2743.5 | 31.0 | 2122.0 | 23.0 | 1741.0 |
| 08/14/81 | 87.00 | 63.00 | 0 | 77.00 | 435.00 | .19 | 88.00 | 72.00 | 35.0 | 2778.5 | 30.0 | 2152.0 | 24.5 | 1765.5 |
| 08/15/81 | 84.00 | 53.00 | 0 | 93.00 | 549.00 | .22 | 89.00 | 71.00 | 28.5 | 2807.0 | 23.5 | 2175.5 | 18.5 | 1784.0 |
| 08/16/81 | 72.00 | 50.00 | 0 | 95.00 | 528.00 | .27 | 87.00 | 69.00 | 21.0 | 2845.0 | 16.0 | 2191.5 | 11.0 | 1795.0 |
| 08/17/81 | 71.00 | 43.00 | 0 | 74.00 | 529.00 | .22 | 86.00 | 66.00 | 17.0 | 2865.0 | 12.0 | 2203.5 | 10.5 | 1805.5 |
| 08/18/81 | 75.00 | 45.00 | 0 | 100.00 | 583.00 | .20 | 83.00 | 64.00 | 20.0 | 2865.0 | 15.0 | 2216.5 | 12.5 | 1816.0 |

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|----------|-------|-------|------|--------|--------|-------|-------|--------|------|--------|------|--------|------|--------|
| 08/19/81 | 77.00 | 46.00 | 0 | 135.00 | 567.00 | .27 | 84.00 | 63.00 | 22.5 | 2867.5 | 17.5 | 2236.0 | 13.5 | 1831.5 |
| 08/20/81 | 79.00 | 54.00 | 0 | 175.00 | 418.00 | -.29 | 85.00 | 63.00 | 26.5 | 2914.0 | 21.5 | 2257.5 | 16.5 | 1848.0 |
| 08/21/81 | 82.00 | 58.00 | 0 | 207.00 | 490.00 | -.25 | 81.00 | 68.00 | 30.0 | 2944.0 | 25.0 | 2282.5 | 20.0 | 1868.0 |
| 08/22/81 | 85.00 | 60.00 | .31 | 47.00 | 482.00 | .39 | 84.00 | 70.00 | 32.5 | 2976.5 | 27.5 | 2310.0 | 22.5 | 1890.5 |
| 08/23/81 | 74.00 | 60.00 | -.22 | 60.00 | 232.00 | -.06 | 73.00 | 68.00 | 27.0 | 3003.5 | 22.0 | 2332.0 | 17.0 | 1907.5 |
| 08/24/81 | 76.00 | 61.00 | -.16 | 76.00 | 343.00 | -.09 | 77.00 | 68.00 | 28.5 | 3032.0 | 23.5 | 2355.5 | 18.5 | 1926.0 |
| 08/25/81 | 79.00 | 56.00 | -.03 | 64.00 | 176.00 | -.13 | 80.00 | 66.00 | 27.5 | 3059.5 | 22.5 | 2378.0 | 17.5 | 1943.5 |
| 08/26/81 | 70.00 | 59.00 | -.45 | 87.00 | 194.00 | -.07 | 73.00 | 66.00 | 24.5 | 3084.0 | 19.5 | 2397.5 | 14.5 | 1958.0 |
| 08/27/81 | 70.00 | 58.00 | -.05 | 106.00 | 433.00 | -.07 | 71.00 | 64.00 | 24.0 | 3108.0 | 19.0 | 2416.5 | 14.0 | 1972.0 |
| 08/28/81 | 75.00 | 49.00 | 0 | 85.00 | 258.00 | -.23 | 72.00 | 58.00 | 22.0 | 3130.0 | 17.0 | 2433.5 | 12.5 | 1984.5 |
| 08/29/81 | 68.00 | 52.00 | 0 | 82.00 | 210.00 | -.05 | 69.00 | 57.00 | 20.0 | 3150.0 | 15.0 | 2448.5 | 10.0 | 1994.5 |
| 08/30/81 | 72.00 | 51.00 | 0 | 158.00 | 492.00 | -.12 | 72.00 | 62.00 | 21.5 | 3171.5 | 16.5 | 2465.0 | 11.5 | 2006.0 |
| 08/31/81 | 81.00 | 58.00 | 0 | 188.00 | 159.00 | -.17 | 82.00 | 62.00 | 29.5 | 3201.0 | 24.5 | 2489.5 | 19.5 | 2025.5 |
| 09/01/81 | 72.00 | 48.00 | -.02 | 126.00 | 543.00 | -.19 | 70.00 | 60.00 | 20.0 | 3221.0 | 15.0 | 2504.5 | 11.0 | 2036.5 |
| 09/02/81 | 70.00 | 45.00 | 0 | 175.00 | 504.00 | -.20 | 79.00 | 58.00 | 17.5 | 3238.5 | 12.5 | 2517.0 | 10.0 | 2046.5 |
| 09/03/81 | 75.00 | 48.00 | 0 | 141.00 | 435.00 | -.27 | 75.00 | 58.00 | 21.5 | 3260.0 | 16.5 | 2533.5 | 12.5 | 2059.0 |
| 09/04/81 | 67.00 | 39.00 | 0 | 86.00 | 451.00 | -.20 | 74.00 | 57.00 | 13.0 | 3273.0 | 8.0 | 2541.5 | 8.5 | 2067.5 |
| 09/05/81 | 71.00 | 46.00 | 0 | 184.00 | 462.00 | -.15 | 78.00 | 54.00 | 18.5 | 3291.5 | 13.5 | 2555.0 | 10.5 | 2078.0 |
| 09/06/81 | 79.00 | 53.00 | 0 | 200.00 | 315.00 | -.20 | 78.00 | 61.00 | 26.0 | 3317.5 | 21.0 | 2576.0 | 16.0 | 2094.0 |
| 09/07/81 | 85.00 | 53.00 | -.37 | 158.00 | 491.00 | -.23 | 79.00 | 63.00 | 29.0 | 3346.5 | 24.0 | 2600.0 | 19.0 | 2113.0 |
| 09/08/81 | 74.00 | 48.00 | 0 | 68.00 | 497.00 | -.13 | 72.00 | 58.00 | 21.0 | 3367.5 | 16.0 | 2616.0 | 12.0 | 2125.0 |
| 09/09/81 | 79.00 | 51.00 | 0 | 109.00 | 498.00 | -.29 | 79.00 | 54.00 | 25.0 | 3392.5 | 20.0 | 2636.0 | 15.0 | 2140.0 |
| 09/10/81 | 93.00 | 51.00 | 0 | 61.00 | 490.00 | -.31 | 83.00 | 58.00 | 32.0 | 3424.5 | 27.0 | 2663.0 | 18.5 | 2158.5 |
| 09/11/81 | 89.00 | 58.00 | 0 | 111.00 | 473.00 | -.25 | 85.00 | 61.00 | 33.5 | 3458.0 | 28.5 | 2691.5 | 22.0 | 2180.5 |
| 09/12/81 | 80.00 | 48.00 | 0 | 95.00 | 485.00 | -.25 | 82.00 | 63.00 | 24.0 | 3482.0 | 19.0 | 2710.5 | 15.0 | 2195.5 |
| 09/13/81 | 87.00 | 51.00 | 0 | 128.00 | 465.00 | -.31 | 81.00 | 61.00 | 29.0 | 3511.0 | 24.0 | 2734.5 | 18.5 | 2214.0 |
| 09/14/81 | 82.00 | 43.00 | 0 | 74.00 | 249.00 | -.30 | 80.00 | 61.00 | 22.5 | 3533.5 | 17.5 | 2752.0 | 16.0 | 2230.0 |
| 09/15/81 | 70.00 | 43.00 | 0 | 122.00 | 341.00 | -.12 | 71.00 | 58.00 | 16.5 | 3558.0 | 11.5 | 2763.5 | 10.0 | 2240.0 |
| 09/16/81 | 64.00 | 37.00 | 0 | 112.00 | 261.00 | -.16 | 65.00 | 54.00 | 10.5 | 3568.5 | 5.5 | 2769.0 | 7.0 | 2247.0 |
| 09/17/81 | 59.00 | 32.00 | 0 | 61.00 | 439.00 | -.12 | 65.00 | 50.00 | 5.5 | 3566.0 | .5 | 2769.5 | 4.5 | 2251.5 |
| 09/18/81 | 65.00 | 34.00 | 0 | 79.00 | 413.00 | -.11 | 70.00 | 48.00 | 9.5 | 3575.5 | 4.5 | 2774.0 | 7.5 | 2259.0 |
| 09/19/81 | 79.00 | 38.00 | 0 | 55.00 | 405.00 | -.18 | 72.00 | 52.00 | 18.5 | 3594.0 | 13.5 | 2787.5 | 14.5 | 2273.5 |
| 09/20/81 | 75.00 | 44.00 | 0 | 115.00 | 372.00 | -.14 | 74.00 | 55.00 | 19.5 | 3613.5 | 14.5 | 2802.0 | 12.5 | 2286.0 |
| 09/21/81 | 73.00 | 44.00 | 0 | 78.00 | 373.00 | -.31 | 70.00 | 55.00 | 18.5 | 3632.0 | 13.5 | 2815.5 | 11.5 | 2297.5 |
| 09/22/81 | 73.00 | 46.00 | 0 | 142.00 | 280.00 | -.15 | 75.00 | 57.00 | 19.5 | 3651.5 | 14.5 | 2830.0 | 11.5 | 2309.0 |
| 09/23/81 | 62.00 | 46.00 | 0 | 185.00 | 88.00 | -.15 | 61.00 | 55.00 | 14.0 | 3665.5 | 9.0 | 2839.0 | 6.0 | 2315.0 |
| 09/24/81 | 56.00 | 42.00 | -.03 | 134.00 | 244.00 | -.03 | 54.00 | 53.00 | 9.0 | 3674.5 | 4.0 | 2843.0 | 3.0 | 2318.0 |
| 09/25/81 | 67.00 | 45.00 | -.05 | 144.00 | 79.00 | -.10 | 62.00 | 51.00 | 16.0 | 3690.5 | 11.0 | 2854.0 | 8.5 | 2326.5 |
| 09/26/81 | 68.00 | 58.00 | -.05 | 229.00 | 188.00 | -.05 | 61.00 | 56.00 | 23.0 | 3713.5 | 18.0 | 2872.0 | 13.0 | 2339.5 |
| 09/27/81 | 63.00 | 47.00 | 0 | 260.00 | 344.00 | -.26 | 61.00 | 53.00 | 15.0 | 3728.5 | 10.0 | 2882.0 | 6.5 | 2346.0 |
| 09/28/81 | 56.00 | 28.00 | 0 | 163.00 | 238.00 | -.17 | 60.00 | 46.00 | 2.0 | 3738.5 | 0.0 | 2882.0 | 3.0 | 2349.0 |
| 09/29/81 | 61.00 | 35.00 | 0 | 198.00 | 304.00 | -.20 | 55.00 | 42.00 | 8.0 | 3738.5 | 3.0 | 2885.0 | 5.5 | 2354.5 |
| 09/30/81 | 68.00 | 46.00 | -.02 | 199.00 | 35.00 | -.19 | 63.00 | 47.00 | 17.0 | 3755.5 | 12.0 | 2897.0 | 9.0 | 2363.5 |
| 10/01/81 | 51.00 | 36.00 | -.15 | 158.00 | 128.00 | -.04 | 55.00 | 46.00 | 3.5 | 3759.0 | 0.0 | 2897.0 | .5 | 2364.0 |
| 10/02/81 | 48.00 | 27.00 | 0 | 178.00 | 392.00 | -.09 | 49.00 | 38.00 | 0.0 | 3759.0 | 0.0 | 2897.0 | 0.0 | 2364.0 |
| 10/03/81 | 60.00 | 30.00 | 0 | 281.00 | 71.00 | -.21 | 52.00 | 34.00 | 5.0 | 3764.0 | 0.0 | 2897.0 | 5.0 | 2369.0 |
| 10/04/81 | 58.00 | 44.00 | -.51 | 112.00 | 103.00 | -.08 | 48.00 | 47.00 | 11.0 | 3775.0 | 6.0 | 2903.0 | 4.0 | 2373.0 |
| 10/05/81 | 54.00 | 46.00 | -.03 | 50.00 | 47.00 | -.06 | 50.00 | 47.00 | 10.0 | 3785.0 | 5.0 | 2908.0 | 2.0 | 2375.0 |
| 10/06/81 | 52.00 | 38.00 | -.44 | 50.00 | 45.00 | -.02 | 50.00 | 45.00 | 5.0 | 3790.0 | 0.0 | 2908.0 | 1.0 | 2376.0 |
| 10/07/81 | 54.00 | 30.00 | 0 | 53.00 | 40.00 | -.23 | 53.00 | 40.00 | 2.0 | 3792.0 | 0.0 | 2908.0 | 2.0 | 2378.0 |
| 10/08/81 | 60.00 | 32.00 | 0 | 51.00 | 38.00 | -.14 | 51.00 | 38.00 | 6.0 | 3798.0 | 1.0 | 2909.0 | 5.0 | 2383.0 |
| 10/09/81 | 65.00 | 45.00 | -.02 | 55.00 | 45.00 | -.27 | 55.00 | 45.00 | 15.0 | 3813.0 | 10.0 | 2919.0 | 7.5 | 2390.5 |
| 10/10/81 | 49.00 | 40.00 | -.20 | 0 | 48.00 | 47.00 | 4.5 | 3817.5 | 4.5 | 3817.5 | 0.0 | 2919.0 | 0.0 | 2390.5 |
| 10/11/81 | 69.00 | 40.00 | 0 | 62.00 | 47.00 | -.15 | 62.00 | 47.00 | 14.5 | 3832.0 | 9.5 | 2928.5 | 9.5 | 2400.0 |
| 10/12/81 | 67.00 | 48.00 | -.03 | 61.00 | 49.00 | -.28 | 61.00 | 49.00 | 17.5 | 3849.5 | 12.5 | 2941.0 | 8.5 | 2408.5 |
| 10/13/81 | 59.00 | 51.00 | -.74 | 53.00 | 51.00 | -.09 | 53.00 | 51.00 | 15.0 | 3864.5 | 10.0 | 2951.0 | 5.0 | 2413.5 |
| 10/14/81 | 55.00 | 38.00 | -.31 | 57.00 | 47.00 | -.08 | 57.00 | 47.00 | 6.5 | 3871.0 | 1.5 | 2952.5 | 2.5 | 2416.0 |
| 10/15/81 | 52.00 | 33.00 | -.02 | 54.00 | 42.00 | -.09 | 54.00 | 42.00 | 2.5 | 3873.5 | 0.0 | 2952.5 | 1.0 | 2417.0 |
| 10/16/81 | 58.00 | 34.00 | 0 | 54.00 | 39.00 | -.11 | 54.00 | 39.00 | 6.0 | 3879.5 | 1.0 | 2953.5 | 4.0 | 2421.0 |
| 10/17/81 | 67.00 | 37.00 | -.42 | 53.00 | 38.00 | -.20 | 53.00 | 38.00 | 12.0 | 3891.5 | 7.0 | 2960.5 | 8.5 | 2429.5 |
| 10/18/81 | 52.00 | 33.00 | -.29 | 50.00 | 41.00 | -.25 | 50.00 | 41.00 | 2.5 | 3894.0 | 0.0 | 2960.5 | 1.0 | 2430.5 |
| 10/19/81 | 44.00 | 27.00 | 0 | 44.00 | 37.00 | 0.0 | 44.00 | 37.00 | 0.0 | 3894.0 | 0.0 | 2960.5 | 0.0 | 2430.5 |
| 10/20/81 | 66.00 | 34.00 | 0 | 51.00 | 34.00 | -.10 | 51.00 | 34.00 | 10.0 | 3904.0 | 5.0 | 2965.5 | 8.0 | 2438.5 |
| 10/21/81 | 48.00 | 30.00 | -.04 | 52.00 | 38.00 | 0.0 | 52.00 | 38.00 | 0.0 | 3904.0 | 0.0 | 2965.5 | 0.0 | 2438.5 |
| 10/22/81 | 36.00 | 23.00 | 0 | 42.00 | 34.00 | 0.0 | 42.00 | 34.00 | 0.0 | 3904.0 | 0.0 | 2965.5 | 0.0 | 2438.5 |
| 10/23/81 | 31.00 | 21.00 | 0 | 34.00 | 30.00 | 0.0 | 34.00 | 30.00 | 0.0 | 3904.0 | 0.0 | 2965.5 | 0.0 | 2438.5 |
| 10/24/81 | 32.00 | 21.00 | -.08 | 33.00 | 28.00 | 0.0 | 33.00 | 28.00 | 0.0 | 3904.0 | 0.0 | 2965.5 | 0.0 | 2438.5 |
| 10/25/81 | 41.00 | 27.00 | 0 | 32.00 | 31.00 | 0.0 | 32.00 | 31.00 | 0.0 | 3904.0 | 0.0 | 2965.5 | 0.0 | 2438.5 |
| 10/26/81 | 37.00 | 25.00 | 0 | 36.00 | 32.00 | 0.0 | 36.00 | 32.00 | 0.0 | 3904.0 | 0.0 | 2965.5 | 0.0 | 2438.5 |
| 10/27/81 | 55.00 | 30.00 | 0 | 39.00 | 29.00 | 0.0 | 39.00 | 29.00 | 2.5 | 3906.5 | 0.0 | 2965.5 | 2.5 | 2441.0 |
| 10/28/81 | 57.00 | 32.00 | 0 | 46.00 | 29.00 | 0.0 | 46.00 | 29.00 | 4.5 | 3911.0 | 0.0 | 2965.5 | 3.5 | 2444.5 |
| 10/29/81 | 64.00 | 43.00 | 0 | 51.00 | 41.00 | 0.0 | 51.00 | 41.00 | 13.5 | 3924.5 | 8.5 | 2974.0 | 7.0 | 2451.5 |
| 10/30/81 | 62.00 | 45.00 | 0 | 50.00 | 42.00 | 0.0 | 50.00 | 42.00 | 13.5 | 3938.0 | 8.5 | 2982.5 | 6.0 | 2457.5 |
| 10/31/81 | 60.00 | 33.00 | 0 | 51.00 | 39.00 | 0.0 | 51.00 | 39.00 | 6.5 | 3944.5 | 1.5 | 2984.0 | 5.0 | 2462.5 |

LOCATION: ROSEMOUNT

| DATE | MAXTEMP | MINTEMP | PRECIP | WIND | SOLAR | PAN | SOILMAX | SOILMIN | DEGREE DAYS | | | | | |
|----------|---------|---------|--------|------|--------|-----|---------|---------|-------------|-------|-----------|-------|--------------|-------|
| | | | | | | | | | BASE = 45 | | BASE = 50 | | BASE = 50/86 | |
| | | | | | | | | | DAILY | ACCUM | DAILY | ACCUM | DAILY | ACCUM |
| 04/01/81 | 52.00 | 36.00 | .16 | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 |
| 04/02/81 | 77.00 | 32.00 | 0 | | | | | | 9.5 | 9.5 | 4.5 | 4.5 | 13.5 | 14.5 |
| 04/03/81 | 76.00 | 46.00 | .09 | | | | | | 16.0 | 25.5 | 11.0 | 15.5 | 13.0 | 27.5 |
| 04/04/81 | 47.00 | 30.00 | .92 | | | | | | 0.0 | 25.5 | 0.0 | 15.5 | 0.0 | 27.5 |
| 04/05/81 | 46.00 | 25.00 | 0 | | | | | | 0.0 | 25.5 | 0.0 | 15.5 | 0.0 | 27.5 |
| 04/06/81 | 58.00 | 27.00 | 0 | | | | | | 0.0 | 25.5 | 0.0 | 15.5 | 4.0 | 31.5 |
| 04/07/81 | 60.00 | 39.00 | .01 | | | | | | 4.5 | 30.0 | 0.0 | 15.5 | 5.0 | 36.5 |
| 04/08/81 | 61.00 | 41.00 | 0 | | | | | | 6.0 | 36.0 | 1.0 | 16.5 | 5.5 | 42.0 |
| 04/09/81 | 68.00 | 30.00 | 0 | | | | | | 4.0 | 40.0 | 0.0 | 16.5 | 9.0 | 51.0 |
| 04/10/81 | 72.00 | 50.00 | 0 | | | | | | 16.0 | 56.0 | 11.0 | 27.5 | 11.0 | 62.0 |
| 04/11/81 | 65.00 | 41.00 | .29 | | | | | | 8.0 | 64.0 | 3.0 | 30.5 | 7.5 | 69.5 |
| 04/12/81 | 66.00 | 37.00 | .04 | | | | | | 6.5 | 70.5 | 1.5 | 32.0 | 8.0 | 77.5 |
| 04/13/81 | 65.00 | 43.00 | .10 | | | | | | 9.0 | 79.5 | 4.0 | 36.0 | 7.5 | 85.0 |
| 04/14/81 | 47.00 | 28.00 | .17 | | | | | | 0.0 | 79.5 | 0.0 | 36.0 | 0.0 | 85.0 |
| 04/15/81 | 62.00 | 26.00 | 0 | | | | | | 0.0 | 79.5 | 0.0 | 36.0 | 6.0 | 91.0 |
| 04/16/81 | 61.00 | 45.00 | 0 | | | | | | 8.0 | 87.5 | 3.0 | 39.0 | 5.5 | 96.5 |
| 04/17/81 | 72.00 | 42.00 | .01 | | | | | | 12.0 | 99.5 | 7.0 | 46.0 | 11.0 | 107.5 |
| 04/18/81 | 67.00 | 27.00 | 0 | | | | | | 2.0 | 101.5 | 0.0 | 46.0 | 8.5 | 116.0 |
| 04/19/81 | 59.00 | 44.00 | .24 | | | | | | 6.5 | 108.0 | 1.5 | 47.5 | 4.5 | 120.5 |
| 04/20/81 | 50.00 | 29.00 | 0 | | | | | | 0.0 | 108.0 | 0.0 | 47.5 | 0.0 | 120.5 |
| 04/21/81 | 49.00 | 34.00 | .33 | | | | | | 0.0 | 108.0 | 0.0 | 47.5 | 0.0 | 120.5 |
| 04/22/81 | 57.00 | 45.00 | .68 | | | | | | 6.0 | 114.0 | 1.0 | 48.5 | 3.5 | 124.0 |
| 04/23/81 | 52.00 | 38.00 | .50 | | | | | | 0.0 | 114.0 | 0.0 | 48.5 | 1.0 | 125.0 |
| 04/24/81 | 57.00 | 38.00 | .03 | | | | | | 2.5 | 116.5 | 0.0 | 48.5 | 3.5 | 128.5 |
| 04/25/81 | 61.00 | 34.00 | 0 | | | | | | 2.5 | 119.0 | 0.0 | 48.5 | 5.5 | 134.0 |
| 04/26/81 | 70.00 | 41.00 | 0 | | | | | | 10.5 | 129.5 | 5.5 | 54.0 | 10.0 | 144.0 |
| 04/27/81 | 74.00 | 53.00 | .25 | | | | | | 18.5 | 148.0 | 13.5 | 67.5 | 13.5 | 157.5 |
| 04/28/81 | 73.00 | 46.00 | 0 | | | | | | 14.5 | 162.5 | 9.5 | 77.0 | 11.5 | 169.0 |
| 04/29/81 | 62.00 | 41.00 | .28 | | | | | | 6.5 | 169.0 | 1.5 | 78.5 | 6.0 | 175.0 |
| 04/30/81 | 64.00 | 39.00 | .05 | | | | | | 6.5 | 175.5 | 1.5 | 80.0 | 7.0 | 182.0 |
| 05/01/81 | 60.00 | 36.00 | 0 | | | | | | 3.0 | 178.5 | 0.0 | 80.0 | 5.0 | 187.0 |
| 05/02/81 | 72.00 | 39.00 | 0 | | | | | | 10.5 | 189.0 | 5.5 | 85.5 | 11.0 | 198.0 |
| 05/03/81 | 73.00 | 56.00 | .58 | | | | | | 19.5 | 208.5 | 14.5 | 100.0 | 14.5 | 212.5 |
| 05/04/81 | 65.00 | 56.00 | .59 | | | | | | 15.5 | 224.0 | 10.5 | 110.5 | 10.5 | 223.0 |
| 05/05/81 | 64.00 | 48.00 | .25 | | | | | | 11.0 | 235.0 | 6.0 | 116.5 | 7.0 | 230.0 |
| 05/06/81 | 64.00 | 34.00 | 0 | | | | | | 4.0 | 239.0 | 0.0 | 116.5 | 7.0 | 237.0 |
| 05/07/81 | 63.00 | 36.00 | 0 | | | | | | 4.5 | 243.5 | 0.0 | 116.5 | 6.5 | 243.5 |
| 05/08/81 | 63.00 | 47.00 | 0 | | | | | | 10.0 | 253.5 | 5.0 | 121.5 | 6.5 | 250.0 |
| 05/09/81 | 61.00 | 41.00 | 0 | | | | | | 6.0 | 259.5 | 1.0 | 122.5 | 5.5 | 255.5 |
| 05/10/81 | 57.00 | 28.00 | 0 | | | | | | 0.0 | 259.5 | 0.0 | 122.5 | 3.5 | 259.0 |
| 05/11/81 | 62.00 | 30.00 | 0 | | | | | | 1.0 | 260.5 | 0.0 | 122.5 | 6.0 | 265.0 |
| 05/12/81 | 63.00 | 33.00 | 0 | | | | | .16 | 3.0 | 263.5 | 0.0 | 122.5 | 6.5 | 271.5 |
| 05/13/81 | 68.00 | 36.00 | 0 | | | | | .14 | 7.0 | 270.5 | 2.0 | 124.5 | 9.0 | 280.5 |
| 05/14/81 | 73.00 | 39.00 | 0 | | | | | .28 | 11.0 | 281.5 | 6.0 | 130.5 | 11.5 | 292.0 |
| 05/15/81 | 76.00 | 40.00 | 0 | | | | | .28 | 13.0 | 294.5 | 9.0 | 138.5 | 13.0 | 305.0 |
| 05/16/81 | 76.00 | 44.00 | 0 | | | | | .23 | 15.0 | 309.5 | 10.0 | 148.5 | 13.0 | 318.0 |
| 05/17/81 | 71.00 | 51.00 | 0 | | | | | .23 | 16.0 | 325.5 | 11.0 | 159.5 | 11.0 | 329.0 |
| 05/18/81 | 67.00 | 41.00 | 0 | | | | | .22 | 9.0 | 334.5 | 4.0 | 163.5 | 8.5 | 337.5 |
| 05/19/81 | 74.00 | 34.00 | 0 | | | | | .33 | 9.0 | 343.5 | 4.0 | 167.5 | 12.0 | 349.5 |
| 05/20/81 | 80.00 | 41.00 | 0 | | | | | .25 | 15.5 | 359.0 | 10.5 | 178.0 | 15.0 | 364.5 |
| 05/21/81 | 83.00 | 47.00 | 0 | | 696.00 | .28 | 59.00 | 57.00 | 20.0 | 379.0 | 15.0 | 193.0 | 16.5 | 381.0 |
| 05/22/81 | 85.00 | 58.00 | 0 | | 695.00 | .49 | 60.00 | 59.00 | 26.5 | 405.5 | 21.5 | 214.5 | 21.5 | 402.5 |
| 05/23/81 | 74.00 | 59.00 | .48 | | 656.00 | .25 | 60.00 | 59.00 | 21.5 | 427.0 | 16.5 | 231.0 | 16.5 | 419.0 |
| 05/24/81 | 76.00 | 52.00 | .28 | | 368.00 | .12 | 60.00 | 58.00 | 19.0 | 446.0 | 14.0 | 245.0 | 14.0 | 433.0 |
| 05/25/81 | 60.00 | 49.00 | 0 | | 241.00 | .11 | 58.00 | 56.00 | 9.5 | 455.5 | 4.5 | 249.5 | 5.0 | 438.0 |
| 05/26/81 | 66.00 | 54.00 | 0 | | 162.00 | .01 | 57.00 | 55.00 | 15.0 | 470.5 | 10.0 | 259.5 | 10.0 | 446.0 |
| 05/27/81 | 73.00 | 52.00 | 0 | | 126.00 | .08 | 59.00 | 56.00 | 17.5 | 488.0 | 12.5 | 272.0 | 12.5 | 460.5 |
| 05/28/81 | 69.00 | 54.00 | .45 | | 189.00 | .19 | 59.00 | 57.00 | 16.5 | 504.5 | 11.5 | 283.5 | 11.5 | 472.0 |
| 05/29/81 | 76.00 | 58.00 | 0 | | 455.00 | .10 | 60.00 | 58.00 | 22.0 | 526.5 | 17.0 | 300.5 | 17.0 | 489.0 |
| 05/30/81 | 69.00 | 50.00 | 0 | | 222.00 | .40 | 75.00 | 55.00 | 14.5 | 541.0 | 9.5 | 310.0 | 9.5 | 498.5 |
| 05/31/81 | 76.00 | 43.00 | 0 | | 573.00 | .28 | 73.00 | 55.00 | 14.5 | 555.5 | 9.5 | 319.5 | 13.0 | 511.5 |
| 06/01/81 | 81.00 | 58.00 | 0 | | 431.00 | .27 | 71.00 | 59.00 | 24.5 | 580.0 | 19.5 | 339.0 | 19.5 | 531.0 |
| 06/02/81 | 80.00 | 55.00 | .05 | | 360.00 | .26 | 71.00 | 60.00 | 22.5 | 602.5 | 17.5 | 356.5 | 17.5 | 548.5 |
| 06/03/81 | 75.00 | 53.00 | .15 | | 449.00 | .13 | 71.00 | 58.00 | 19.0 | 621.5 | 14.0 | 370.5 | 14.0 | 562.5 |
| 06/04/81 | 77.00 | 50.00 | 0 | | 667.00 | .19 | 80.00 | 57.00 | 18.5 | 640.0 | 13.5 | 384.0 | 13.5 | 576.0 |

| | | | | | | | | | | | | | | |
|----------|-------|-------|------|--------|--------|------|-------|-------|------|--------|------|--------|------|--------|
| 06/05/81 | 84.00 | 58.00 | 0 | 121.00 | 627.00 | -.26 | 79.00 | 63.00 | 26.0 | 666.0 | 21.0 | 405.0 | 21.0 | 597.0 |
| 06/06/81 | 83.00 | 52.00 | 0 | 111.00 | 738.00 | -.27 | 82.00 | 61.00 | 22.5 | 688.5 | 17.5 | 422.5 | 17.5 | 614.5 |
| 06/07/81 | 88.00 | 60.00 | .24 | 130.00 | 379.00 | -.23 | 75.00 | 65.00 | 29.0 | 717.5 | 24.0 | 446.5 | 23.0 | 637.5 |
| 06/08/81 | 80.00 | 56.00 | .15 | 135.00 | 268.00 | -.30 | 69.00 | 63.00 | 23.0 | 740.5 | 18.0 | 464.5 | 18.0 | 655.5 |
| 06/09/81 | 72.00 | 52.00 | 0 | 123.00 | 313.00 | -.10 | 68.00 | 58.00 | 17.0 | 757.5 | 12.0 | 476.5 | 12.0 | 667.5 |
| 06/10/81 | 76.00 | 53.00 | 0 | 146.00 | 671.00 | -.12 | 77.00 | 58.00 | 19.5 | 777.0 | 14.5 | 491.0 | 14.5 | 682.0 |
| 06/11/81 | 79.00 | 53.00 | .05 | 98.00 | 336.00 | -.32 | 73.00 | 60.00 | 21.0 | 798.0 | 16.0 | 507.0 | 16.0 | 698.0 |
| 06/12/81 | 76.00 | 57.00 | -.20 | 110.00 | 382.00 | -.26 | 72.00 | 61.00 | 21.5 | 819.5 | 16.5 | 523.5 | 16.5 | 714.5 |
| 06/13/81 | 84.00 | 65.00 | .65 | 163.00 | 253.00 | -.20 | 73.00 | 64.00 | 29.5 | 849.0 | 24.5 | 548.0 | 24.5 | 739.0 |
| 06/14/81 | 85.00 | 61.00 | 1.48 | 161.00 | 199.00 | -.20 | 73.00 | 66.00 | 28.0 | 877.0 | 23.0 | 571.0 | 23.0 | 762.0 |
| 06/15/81 | 72.00 | 59.00 | 0 | 134.00 | 432.00 | -.06 | 72.00 | 64.00 | 20.5 | 897.5 | 15.5 | 586.5 | 15.5 | 777.5 |
| 06/16/81 | 73.00 | 51.00 | .03 | 186.00 | 648.00 | -.20 | 73.00 | 57.00 | 17.0 | 914.5 | 12.0 | 598.5 | 12.0 | 789.5 |
| 06/17/81 | 82.00 | 54.00 | 0 | 212.00 | 532.00 | -.25 | 75.00 | 58.00 | 23.0 | 937.5 | 18.0 | 616.5 | 18.0 | 807.5 |
| 06/18/81 | 80.00 | 53.00 | 0 | 195.00 | 673.00 | -.38 | 78.00 | 61.00 | 21.5 | 959.0 | 16.5 | 633.0 | 16.5 | 824.0 |
| 06/19/81 | 71.00 | 48.00 | .05 | 94.00 | 274.00 | -.39 | 70.00 | 59.00 | 14.5 | 973.5 | 9.5 | 642.5 | 10.5 | 834.5 |
| 06/20/81 | 71.00 | 55.00 | .31 | 110.00 | 563.00 | -.11 | 73.00 | 59.00 | 18.0 | 991.5 | 13.0 | 655.5 | 13.0 | 847.5 |
| 06/21/81 | 66.00 | 52.00 | .46 | 60.00 | 115.00 | -.11 | 63.00 | 58.00 | 14.0 | 1005.5 | 9.0 | 664.5 | 9.0 | 856.5 |
| 06/22/81 | 69.00 | 52.00 | .18 | | 452.00 | -.12 | | | 15.5 | 1021.0 | 10.5 | 675.0 | 10.5 | 867.0 |
| 06/23/81 | 70.00 | 50.00 | .15 | | 163.00 | -.35 | | | 15.0 | 1036.0 | 10.0 | 685.0 | 10.0 | 877.0 |
| 06/24/81 | 77.00 | 62.00 | .08 | | 573.00 | 0 | | | 24.5 | 1060.5 | 19.5 | 704.5 | 19.5 | 896.5 |
| 06/25/81 | 79.00 | 53.00 | 0 | | 725.00 | -.29 | | | 21.0 | 1081.5 | 16.0 | 720.5 | 16.0 | 912.5 |
| 06/26/81 | 81.00 | 52.00 | 0 | | 708.00 | -.35 | | | 21.5 | 1103.0 | 16.5 | 737.0 | 16.5 | 929.0 |
| 06/27/81 | 81.00 | 60.00 | 0 | | 430.00 | -.32 | | | 25.5 | 1128.5 | 20.5 | 757.5 | 20.5 | 949.5 |
| 06/28/81 | 82.00 | 69.00 | .07 | | 175.00 | -.18 | | | 30.5 | 1159.0 | 25.5 | 783.0 | 25.5 | 975.0 |
| 06/29/81 | 79.00 | 67.00 | .24 | | 627.00 | 0 | | | 28.0 | 1187.0 | 23.0 | 806.0 | 23.0 | 998.0 |
| 06/30/81 | 80.00 | 55.00 | 0 | | 729.00 | .31 | | | 22.5 | 1209.5 | 17.5 | 823.5 | 17.5 | 1015.5 |
| 07/01/81 | 80.00 | 53.00 | 0 | | 732.00 | -.30 | | | 21.5 | 1231.0 | 16.5 | 840.0 | 16.5 | 1032.0 |
| 07/02/81 | 83.00 | 55.00 | 0 | | 616.00 | -.30 | | | 24.0 | 1255.0 | 19.0 | 859.0 | 19.0 | 1051.0 |
| 07/03/81 | 84.00 | 64.00 | 0 | | 388.00 | -.26 | | | 29.0 | 1284.0 | 24.0 | 883.0 | 24.0 | 1075.0 |
| 07/04/81 | 87.00 | 63.00 | 0 | | 570.00 | -.20 | | | 30.0 | 1314.0 | 25.0 | 908.0 | 24.5 | 1099.5 |
| 07/05/81 | 89.00 | 60.00 | 0 | | 701.00 | -.26 | | | 29.5 | 1343.5 | 24.5 | 932.5 | 23.0 | 1122.5 |
| 07/06/81 | 90.00 | 61.00 | 0 | | 712.00 | -.40 | | | 30.5 | 1374.0 | 25.5 | 958.0 | 23.5 | 1146.0 |
| 07/07/81 | 90.00 | 68.00 | 0 | | 655.00 | -.33 | | | 34.0 | 1408.0 | 29.0 | 987.0 | 27.0 | 1173.0 |
| 07/08/81 | 91.00 | 73.00 | 0 | | 542.00 | -.20 | | | 37.0 | 1445.0 | 32.0 | 1019.0 | 29.5 | 1202.5 |
| 07/09/81 | 91.00 | 52.00 | 0 | | 733.00 | -.39 | | | 26.5 | 1471.5 | 21.5 | 1040.5 | 19.0 | 1221.5 |
| 07/10/81 | 88.00 | 55.00 | 0 | | 662.00 | -.28 | | | 26.5 | 1498.0 | 21.5 | 1062.0 | 20.5 | 1242.0 |
| 07/11/81 | 88.00 | 67.00 | 2.55 | | 492.00 | -.35 | | | 32.5 | 1530.5 | 27.5 | 1089.5 | 26.5 | 1268.5 |
| 07/12/81 | 86.00 | 71.00 | 0 | | 430.00 | -.23 | | | 33.5 | 1564.0 | 28.5 | 1118.0 | 28.5 | 1297.0 |
| 07/13/81 | 86.00 | 66.00 | 0 | | 560.00 | -.10 | | | 31.0 | 1595.0 | 26.0 | 1144.0 | 26.0 | 1323.0 |
| 07/14/81 | 85.00 | 65.00 | .04 | | 271.00 | -.16 | | | 30.0 | 1625.0 | 25.0 | 1169.0 | 25.0 | 1348.0 |
| 07/15/81 | 75.00 | 59.00 | .53 | | 171.00 | -.22 | | | 22.0 | 1647.0 | 17.0 | 1186.0 | 17.0 | 1365.0 |
| 07/16/81 | 80.00 | 58.00 | 0 | | 564.00 | -.17 | | | 24.0 | 1671.0 | 19.0 | 1205.0 | 19.0 | 1384.0 |
| 07/17/81 | 88.00 | 62.00 | 0 | | 588.00 | -.17 | | | 30.0 | 1701.0 | 25.0 | 1230.0 | 24.0 | 1408.0 |
| 07/18/81 | 85.00 | 62.00 | 0 | | 642.00 | -.23 | | | 28.5 | 1729.5 | 23.5 | 1253.5 | 23.5 | 1431.5 |
| 07/19/81 | 87.00 | 65.00 | 0 | | 596.00 | -.23 | | | 31.0 | 1760.5 | 26.0 | 1279.5 | 25.5 | 1457.0 |
| 07/20/81 | 81.00 | 63.00 | 0 | | 473.00 | -.24 | | | 27.0 | 1787.5 | 22.0 | 1301.5 | 22.0 | 1479.0 |
| 07/21/81 | 80.00 | 60.00 | .09 | | 362.00 | -.11 | | | 25.0 | 1812.5 | 20.0 | 1321.5 | 20.0 | 1499.0 |
| 07/22/81 | 76.00 | 57.00 | .04 | | 396.00 | -.16 | | | 21.5 | 1834.0 | 16.5 | 1338.0 | 16.5 | 1515.5 |
| 07/23/81 | 78.00 | 59.00 | .04 | | 346.00 | -.21 | | | 23.5 | 1857.5 | 18.5 | 1356.5 | 18.5 | 1534.0 |
| 07/24/81 | 83.00 | 59.00 | .32 | | 248.00 | -.19 | | | 26.0 | 1883.5 | 21.0 | 1377.5 | 21.0 | 1555.0 |
| 07/25/81 | 73.00 | 61.00 | 0 | | 460.00 | -.09 | | | 22.0 | 1905.5 | 17.0 | 1394.5 | 17.0 | 1572.0 |
| 07/26/81 | 75.00 | 54.00 | 0 | | 401.00 | -.09 | | | 19.5 | 1925.0 | 14.5 | 1409.0 | 14.5 | 1586.5 |
| 07/27/81 | 66.00 | 50.00 | 0 | | 342.00 | -.18 | | | 13.0 | 1938.0 | 8.0 | 1417.0 | 8.0 | 1594.5 |
| 07/28/81 | 75.00 | 51.00 | .16 | | 496.00 | -.12 | | | 18.0 | 1956.0 | 13.0 | 1430.0 | 13.0 | 1607.5 |
| 07/29/81 | 75.00 | 50.00 | 0 | | 557.00 | -.18 | | | 17.5 | 1973.5 | 12.5 | 1442.5 | 12.5 | 1620.0 |
| 07/30/81 | 82.00 | 65.00 | 0 | | 445.00 | -.28 | | | 28.5 | 2002.0 | 23.5 | 1466.0 | 23.5 | 1643.5 |
| 07/31/81 | 85.00 | 65.00 | 0 | | 325.00 | -.25 | | | 30.0 | 2032.0 | 25.0 | 1491.0 | 25.0 | 1668.5 |
| 08/01/81 | 84.00 | 66.00 | 1.18 | | 161.00 | -.14 | | | 30.0 | 2062.0 | 25.0 | 1516.0 | 25.0 | 1693.5 |
| 08/02/81 | 85.00 | 67.00 | 0 | | 361.00 | -.18 | | | 31.0 | 2093.0 | 26.0 | 1542.0 | 26.0 | 1719.5 |
| 08/03/81 | 85.00 | 64.00 | 0 | | 501.00 | -.12 | | | 29.5 | 2122.5 | 24.5 | 1566.5 | 24.5 | 1744.0 |
| 08/04/81 | 84.00 | 66.00 | 0 | | 603.00 | -.22 | | | 30.0 | 2152.5 | 25.0 | 1591.5 | 25.0 | 1769.0 |
| 08/05/81 | 84.00 | 64.00 | 1.18 | | 447.00 | -.27 | | | 29.0 | 2181.5 | 24.0 | 1615.5 | 24.0 | 1793.0 |
| 08/06/81 | 80.00 | 62.00 | .15 | | 643.00 | -.13 | | | 26.0 | 2207.5 | 21.0 | 1636.5 | 21.0 | 1814.0 |
| 08/07/81 | 79.00 | 63.00 | .34 | | 405.00 | -.35 | | | 26.0 | 2233.5 | 21.0 | 1657.5 | 21.0 | 1835.0 |
| 08/08/81 | 81.00 | 57.00 | 0 | | 474.00 | -.16 | | | 24.0 | 2257.5 | 19.0 | 1676.5 | 19.0 | 1854.0 |
| 08/09/81 | 77.00 | 58.00 | 0 | | 600.00 | -.18 | | | 22.5 | 2280.0 | 17.5 | 1694.0 | 17.5 | 1871.5 |
| 08/10/81 | 77.00 | 52.00 | 0 | | 376.00 | -.25 | | | 19.5 | 2299.5 | 14.5 | 1708.5 | 14.5 | 1886.0 |
| 08/11/81 | 82.00 | 57.00 | .57 | | 561.00 | -.23 | | | 24.5 | 2324.0 | 19.5 | 1728.0 | 19.5 | 1905.5 |
| 08/12/81 | 86.00 | 60.00 | 0 | | 534.00 | -.15 | | | 28.0 | 2352.0 | 23.0 | 1751.0 | 23.0 | 1928.5 |
| 08/13/81 | 86.00 | 64.00 | 0 | | 510.00 | -.14 | | | 30.0 | 2382.0 | 25.0 | 1776.0 | 25.0 | 1953.5 |
| 08/14/81 | 89.00 | 67.00 | 1.13 | | 201.00 | -.18 | | | 33.0 | 2415.0 | 28.0 | 1804.0 | 26.5 | 1980.0 |
| 08/15/81 | 80.00 | 62.00 | 0 | | 589.00 | -.20 | | | 26.0 | 2441.0 | 21.0 | 1825.0 | 21.0 | 2001.0 |
| 08/16/81 | 71.00 | 53.00 | 0 | | 493.00 | -.20 | | | 17.0 | 2458.0 | 12.0 | 1837.0 | 12.0 | 2013.0 |
| 08/17/81 | 73.00 | 46.00 | 0 | | 630.00 | -.20 | | | 14.5 | 2472.5 | 9.5 | 1846.5 | 11.5 | 2024.5 |
| 08/18/81 | 78.00 | 48.00 | 0 | | 379.00 | -.12 | | | 18.0 | 2490.5 | 13.0 | 1859.5 | 14.0 | 2038.5 |

| | | | | | | | | | | | |
|----------|-------|-------|------|--------|-----|------|--------|------|--------|------|--------|
| 08/19/81 | 77.00 | 49.00 | 0 | 562.00 | .17 | 18.0 | 2508.5 | 13.0 | 1872.5 | 13.5 | 2052.0 |
| 08/20/81 | 78.00 | 53.00 | 0 | 571.00 | .30 | 20.5 | 2529.0 | 15.5 | 1888.0 | 15.5 | 2067.5 |
| 08/21/81 | 77.00 | 55.00 | 0 | 436.00 | .19 | 21.0 | 2550.0 | 16.0 | 1904.0 | 16.0 | 2083.5 |
| 08/22/81 | 79.00 | 58.00 | 0 | 290.00 | .20 | 23.5 | 2573.5 | 18.5 | 1922.5 | 18.5 | 2102.0 |
| 08/23/81 | 82.00 | 64.00 | .33 | 398.00 | .15 | 28.0 | 2601.5 | 23.0 | 1945.5 | 23.0 | 2125.0 |
| 08/24/81 | 80.00 | 66.00 | .11 | 377.00 | .15 | 28.0 | 2629.5 | 23.0 | 1968.5 | 23.0 | 2148.0 |
| 08/25/81 | 80.00 | 63.00 | .06 | 148.00 | .17 | 26.5 | 2656.0 | 21.5 | 1990.0 | 21.5 | 2169.5 |
| 08/26/81 | 76.00 | 64.00 | 1.45 | 181.00 | .17 | 25.0 | 2681.0 | 20.0 | 2010.0 | 20.0 | 2189.5 |
| 08/27/81 | 70.00 | 62.00 | 1.30 | 98.00 | 0 | 21.0 | 2702.0 | 16.0 | 2026.0 | 16.0 | 2205.5 |
| 08/28/81 | 70.00 | 60.00 | .12 | 91.00 | .07 | 20.0 | 2722.0 | 15.0 | 2041.0 | 15.0 | 2220.5 |
| 08/29/81 | 73.00 | 61.00 | .05 | 202.00 | .06 | 22.0 | 2744.0 | 17.0 | 2058.0 | 17.0 | 2237.5 |
| 08/30/81 | 80.00 | 56.00 | 0 | 460.00 | .06 | 23.0 | 2767.0 | 18.0 | 2076.0 | 18.0 | 2255.5 |
| 08/31/81 | 82.00 | 67.00 | .11 | 328.00 | .11 | 29.5 | 2796.5 | 24.5 | 2100.5 | 24.5 | 2280.0 |
| 09/01/81 | 78.00 | 56.00 | 0 | 244.00 | .14 | 22.0 | 2818.5 | 17.0 | 2117.5 | 17.0 | 2297.0 |
| 09/02/81 | 73.00 | 45.00 | 0 | 553.00 | .13 | 14.0 | 2832.5 | 9.0 | 2126.5 | 11.5 | 2308.5 |
| 09/03/81 | 72.00 | 50.00 | 0 | 285.00 | .20 | 16.0 | 2848.5 | 11.0 | 2137.5 | 11.0 | 2319.5 |
| 09/04/81 | 72.00 | 48.00 | .02 | 524.00 | .12 | 15.0 | 2863.5 | 10.0 | 2147.5 | 11.0 | 2330.5 |
| 09/05/81 | 71.00 | 47.00 | .01 | 317.00 | .15 | 14.0 | 2877.5 | 9.0 | 2156.5 | 10.5 | 2341.0 |
| 09/06/81 | 79.00 | 50.00 | 0 | 482.00 | .15 | 19.5 | 2897.0 | 14.5 | 2171.0 | 14.5 | 2355.5 |
| 09/07/81 | 73.00 | 59.00 | .40 | 419.00 | .08 | 21.0 | 2918.0 | 16.0 | 2187.0 | 16.0 | 2371.5 |
| 09/08/81 | 76.00 | 51.00 | 0 | 441.00 | .08 | 18.5 | 2936.5 | 13.5 | 2200.5 | 13.5 | 2385.0 |
| 09/09/81 | 85.00 | 51.00 | 0 | 518.00 | .18 | 23.0 | 2959.5 | 18.0 | 2218.5 | 18.0 | 2403.0 |
| 09/10/81 | 87.00 | 54.00 | 0 | 513.00 | .24 | 25.5 | 2985.0 | 20.5 | 2239.0 | 20.0 | 2423.0 |
| 09/11/81 | 86.00 | 60.00 | 0 | 592.00 | .11 | 28.0 | 3013.0 | 23.0 | 2262.0 | 23.0 | 2446.0 |
| 09/12/81 | 81.00 | 49.00 | 0 | 496.00 | .24 | 20.0 | 3033.0 | 15.0 | 2277.0 | 15.5 | 2461.5 |
| 09/13/81 | 84.00 | 52.00 | 0 | 488.00 | .24 | 23.0 | 3056.0 | 18.0 | 2295.0 | 18.0 | 2479.5 |
| 09/14/81 | 80.00 | 49.00 | 0 | 438.00 | .24 | 19.5 | 3075.5 | 14.5 | 2309.5 | 15.0 | 2494.5 |
| 09/15/81 | 71.00 | 48.00 | 0 | 364.00 | .18 | 14.5 | 3090.0 | 9.5 | 2319.0 | 10.5 | 2505.0 |
| 09/16/81 | 64.00 | 44.00 | 0 | 325.00 | .19 | 9.0 | 3099.0 | 4.0 | 2323.0 | 7.0 | 2512.0 |
| 09/17/81 | 63.00 | 36.00 | 0 | 383.00 | .27 | 4.5 | 3103.5 | 0.0 | 2323.0 | 6.5 | 2518.5 |
| 09/18/81 | 69.00 | 38.00 | 0 | 392.00 | .10 | 8.5 | 3112.0 | 3.5 | 2326.5 | 9.5 | 2528.0 |
| 09/19/81 | 72.00 | 45.00 | 0 | 464.00 | .15 | 13.5 | 3125.5 | 8.5 | 2335.0 | 11.0 | 2539.0 |
| 09/20/81 | 72.00 | 40.00 | 0 | 441.00 | .15 | 11.0 | 3136.5 | 6.0 | 2341.0 | 11.0 | 2550.0 |
| 09/21/81 | 70.00 | 50.00 | 0 | 250.00 | .19 | 15.0 | 3151.5 | 10.0 | 2351.0 | 10.0 | 2560.0 |
| 09/22/81 | 62.00 | 39.00 | 0 | 362.00 | .14 | 5.5 | 3157.0 | .5 | 2351.5 | 6.0 | 2566.0 |
| 09/23/81 | 60.00 | 42.00 | .30 | 112.00 | .15 | 6.0 | 3163.0 | 1.0 | 2352.5 | 5.0 | 2571.0 |
| 09/24/81 | 67.00 | 48.00 | .05 | 195.00 | .03 | 12.5 | 3175.5 | 7.5 | 2360.0 | 8.5 | 2579.5 |
| 09/25/81 | 65.00 | 58.00 | .13 | 89.00 | .04 | 16.5 | 3192.0 | 11.5 | 2371.5 | 11.5 | 2591.0 |
| 09/26/81 | 69.00 | 49.00 | .38 | 146.00 | .03 | 14.0 | 3206.0 | 9.0 | 2380.5 | 9.5 | 2600.5 |
| 09/27/81 | 58.00 | 40.00 | 0 | 270.00 | .15 | 4.0 | 3210.0 | 0.0 | 2380.5 | 4.0 | 2604.5 |
| 09/28/81 | 61.00 | 31.00 | 0 | 367.00 | .16 | 1.0 | 3211.0 | 0.0 | 2380.5 | 5.5 | 2610.0 |
| 09/29/81 | 65.00 | 46.00 | 0 | 320.00 | .15 | 10.5 | 3221.5 | 5.5 | 2386.0 | 7.5 | 2617.5 |
| 09/30/81 | 65.00 | 51.00 | .10 | 55.00 | .11 | 13.0 | 3234.5 | 8.0 | 2394.0 | 8.0 | 2625.5 |
| 10/01/81 | 56.00 | 40.00 | 0 | 222.00 | .09 | 3.0 | 3237.5 | 0.0 | 2394.0 | 3.0 | 2628.5 |
| 10/02/81 | 56.00 | 26.00 | 0 | 416.00 | .06 | 0.0 | 3237.5 | 0.0 | 2394.0 | 3.0 | 2631.5 |
| 10/03/81 | 55.00 | 41.00 | .16 | 149.00 | .15 | 3.0 | 3240.5 | 0.0 | 2394.0 | 2.5 | 2634.0 |
| 10/04/81 | 55.00 | 43.00 | .60 | 85.00 | .05 | 4.0 | 3244.5 | 0.0 | 2394.0 | 2.5 | 2636.5 |
| 10/05/81 | 57.00 | 50.00 | .30 | | | 8.5 | 3253.0 | 3.5 | 2397.5 | 3.5 | 2640.0 |
| 10/06/81 | 56.00 | 44.00 | .10 | | | 5.0 | 3258.0 | 0.0 | 2397.5 | 3.0 | 2643.0 |
| 10/07/81 | 61.00 | 30.00 | 0 | | | .5 | 3258.5 | 0.0 | 2397.5 | 5.5 | 2648.5 |
| 10/08/81 | 66.00 | 35.00 | 0 | | | 5.5 | 3264.0 | .5 | 2398.0 | 8.0 | 2656.5 |
| 10/09/81 | 62.00 | 36.00 | 0 | | | 4.0 | 3268.0 | 0.0 | 2398.0 | 6.0 | 2662.5 |
| 10/10/81 | 60.00 | 39.00 | 0 | | | 4.5 | 3272.5 | 0.0 | 2398.0 | 5.0 | 2667.5 |
| 10/11/81 | 60.00 | 38.00 | 0 | | | 4.0 | 3276.5 | 0.0 | 2398.0 | 5.0 | 2672.5 |
| 10/12/81 | 65.00 | 47.00 | 0 | | | 11.0 | 3287.5 | 6.0 | 2400.0 | 7.5 | 2680.0 |
| 10/13/81 | 62.00 | 55.00 | .20 | | | 13.5 | 3301.0 | 8.5 | 2412.5 | 8.5 | 2688.5 |
| 10/14/81 | 63.00 | 50.00 | .16 | | | 11.5 | 3312.5 | 6.5 | 2419.0 | 6.5 | 2695.0 |
| 10/15/81 | 58.00 | 40.00 | 0 | | | 4.0 | 3316.5 | 0.0 | 2419.0 | 4.0 | 2699.0 |
| 10/16/81 | 64.00 | 34.00 | 0 | | | 4.0 | 3320.5 | 0.0 | 2419.0 | 7.0 | 2706.0 |
| 10/17/81 | 57.00 | 50.00 | .54 | | | 8.5 | 3329.0 | 3.5 | 2422.5 | 3.5 | 2709.5 |
| 10/18/81 | 51.00 | 32.00 | .15 | | | 0.0 | 3329.0 | 0.0 | 2422.5 | .5 | 2710.0 |
| 10/19/81 | 64.00 | 24.00 | 0 | | | 0.0 | 3329.0 | 0.0 | 2422.5 | 7.0 | 2717.0 |
| 10/20/81 | 64.00 | 39.00 | 0 | | | 6.5 | 3335.5 | 1.5 | 2424.0 | 7.0 | 2724.0 |
| 10/21/81 | 44.00 | 32.00 | 0 | | | 0.0 | 3335.5 | 0.0 | 2424.0 | 0.0 | 2724.0 |
| 10/22/81 | 42.00 | 22.00 | 0 | | | 0.0 | 3335.5 | 0.0 | 2424.0 | 0.0 | 2724.0 |
| 10/23/81 | 34.00 | 18.00 | 0 | | | 0.0 | 3335.5 | 0.0 | 2424.0 | 0.0 | 2724.0 |
| 10/24/81 | 33.00 | 14.00 | .14 | | | 0.0 | 3335.5 | 0.0 | 2424.0 | 0.0 | 2724.0 |
| 10/25/81 | 42.00 | 25.00 | 0 | | | 0.0 | 3335.5 | 0.0 | 2424.0 | 0.0 | 2724.0 |
| 10/26/81 | 50.00 | 20.00 | 0 | | | 0.0 | 3335.5 | 0.0 | 2424.0 | 0.0 | 2724.0 |
| 10/27/81 | 63.00 | 30.00 | 0 | | | 1.5 | 3337.0 | 0.0 | 2424.0 | 6.5 | 2730.5 |
| 10/28/81 | 60.00 | 37.00 | 0 | | | 3.5 | 3340.5 | 0.0 | 2424.0 | 5.0 | 2735.5 |
| 10/29/81 | 62.00 | 41.00 | 0 | | | 6.5 | 3347.0 | 1.5 | 2425.5 | 6.0 | 2741.5 |
| 10/30/81 | 64.00 | 50.00 | 0 | | | 12.0 | 3359.0 | 7.0 | 2432.5 | 7.0 | 2748.5 |
| 10/31/81 | 62.00 | 37.00 | 0 | | | 4.5 | 3363.5 | 0.0 | 2432.5 | 6.0 | 2754.5 |

LOCATION: STAPLES

DEGREE DAYS

| DATE | MAXTEMP | MINTEMP | PRECIP | WIND | PAN | SOILMAX | SOILMIN | BASE = 40 | | | BASE = 50 | | | BASE = 50/86 | | |
|----------|---------|---------|--------|--------|-----|---------|---------|-----------|-------|-------|-----------|-------|-------|--------------|-------|--|
| | | | | | | | | DAILY | ACCUM | DAILY | ACCUM | DAILY | ACCUM | DAILY | ACCUM | |
| 04/01/81 | 42.00 | 37.00 | .09 | 290.00 | .02 | 46.00 | 39.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 04/02/81 | 48.00 | 28.00 | 0 | 100.00 | .07 | 51.00 | 39.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 04/03/81 | 67.00 | 38.00 | .46 | 122.00 | .20 | 59.00 | 38.00 | 12.5 | 12.5 | 2.5 | 2.5 | 8.5 | 8.5 | 8.5 | 8.5 | |
| 04/04/81 | 48.00 | 28.00 | .04 | 83.00 | .07 | 44.00 | 38.00 | 0.0 | 12.5 | 0.0 | 2.5 | 0.0 | 8.5 | 0.0 | 8.5 | |
| 04/05/81 | 39.00 | 21.00 | 0 | 94.00 | .06 | 44.00 | 37.00 | 0.0 | 12.5 | 0.0 | 2.5 | 0.0 | 8.5 | 0.0 | 8.5 | |
| 04/06/81 | 50.00 | 38.00 | 0 | 88.00 | .11 | 54.00 | 37.00 | 0.0 | 12.5 | 0.0 | 2.5 | 0.0 | 8.5 | 0.0 | 8.5 | |
| 04/07/81 | 64.00 | 32.00 | 0 | 175.00 | .28 | 56.00 | 37.00 | 8.0 | 20.5 | 0.0 | 2.5 | 7.0 | 15.5 | 7.0 | 15.5 | |
| 04/08/81 | 59.00 | 38.00 | 0 | 85.00 | .23 | 63.00 | 41.00 | 6.5 | 27.0 | 0.0 | 2.5 | 4.5 | 20.0 | 4.5 | 20.0 | |
| 04/09/81 | 58.00 | 27.00 | 0 | 64.00 | .21 | 65.00 | 40.00 | 2.5 | 29.5 | 0.0 | 2.5 | 4.0 | 24.0 | 4.0 | 24.0 | |
| 04/10/81 | 65.00 | 36.00 | .15 | 114.00 | .22 | 64.00 | 42.00 | 10.5 | 40.0 | .5 | 3.0 | 7.5 | 31.5 | 7.5 | 31.5 | |
| 04/11/81 | 64.00 | 28.00 | 0 | 129.00 | .28 | 65.00 | 41.00 | 0.0 | 46.0 | 0.0 | 3.0 | 7.0 | 38.5 | 0.0 | 38.5 | |
| 04/12/81 | 43.00 | 28.00 | 0 | 89.00 | .08 | 60.00 | 41.00 | 0.0 | 46.0 | 0.0 | 3.0 | 0.0 | 38.5 | 0.0 | 38.5 | |
| 04/13/81 | 64.00 | 45.00 | .38 | 104.00 | .18 | 66.00 | 51.00 | 14.5 | 60.5 | 4.5 | 7.5 | 7.0 | 45.5 | 7.0 | 45.5 | |
| 04/14/81 | 45.00 | 20.00 | 0 | 177.00 | 0 | 49.00 | 38.00 | 0.0 | 60.5 | 0.0 | 7.5 | 0.0 | 45.5 | 0.0 | 45.5 | |
| 04/15/81 | 45.00 | 25.00 | 0 | 129.00 | .25 | 52.00 | 38.00 | 0.0 | 60.5 | 0.0 | 7.5 | 0.0 | 45.5 | 0.0 | 45.5 | |
| 04/16/81 | 65.00 | 33.00 | 0 | 203.00 | .33 | 61.00 | 38.00 | 12.0 | 72.5 | 2.0 | 9.5 | 7.5 | 53.0 | 7.5 | 53.0 | |
| 04/17/81 | 69.00 | 42.00 | 0 | 192.00 | .27 | 61.00 | 45.00 | 15.5 | 88.0 | 5.5 | 15.0 | 8.5 | 62.5 | 8.5 | 62.5 | |
| 04/18/81 | 59.00 | 21.00 | 0 | 156.00 | .25 | 62.00 | 41.00 | 0.0 | 88.0 | 0.0 | 15.0 | 4.5 | 67.0 | 4.5 | 67.0 | |
| 04/19/81 | 56.00 | 39.00 | .03 | 95.00 | .13 | 64.00 | 42.00 | 7.5 | 95.5 | 0.0 | 15.0 | 3.0 | 70.0 | 3.0 | 70.0 | |
| 04/20/81 | 52.00 | 32.00 | 0 | 112.00 | .23 | 67.00 | 42.00 | 0.0 | 95.5 | 0.0 | 15.0 | 0.0 | 71.0 | 0.0 | 71.0 | |
| 04/21/81 | 50.00 | 38.00 | 0 | 183.00 | .21 | 66.00 | 42.00 | 3.0 | 102.0 | 0.0 | 15.0 | 0.0 | 71.0 | 0.0 | 71.0 | |
| 04/22/81 | 51.00 | 36.00 | .23 | 183.00 | .04 | 49.00 | 47.00 | 3.5 | 104.0 | 0.0 | 15.0 | .5 | 71.5 | .5 | 71.5 | |
| 04/23/81 | 50.00 | 34.00 | .39 | 206.00 | .10 | 53.00 | 44.00 | 2.0 | 104.0 | 0.0 | 15.0 | 0.0 | 71.5 | 0.0 | 71.5 | |
| 04/24/81 | 43.00 | 27.00 | 0 | 168.00 | .05 | 45.00 | 40.00 | 0.0 | 104.0 | 0.0 | 15.0 | 0.0 | 71.5 | 0.0 | 71.5 | |
| 04/25/81 | 59.00 | 34.00 | .03 | 98.00 | .15 | 64.00 | 40.00 | 6.5 | 118.5 | 0.0 | 15.0 | 0.0 | 76.0 | 0.0 | 76.0 | |
| 04/26/81 | 57.00 | 35.00 | 0 | 126.00 | .10 | 64.00 | 45.00 | 6.0 | 118.5 | 0.0 | 15.0 | 0.0 | 76.0 | 0.0 | 76.0 | |
| 04/27/81 | 75.00 | 48.00 | .14 | 67.00 | .16 | 76.00 | 54.00 | 21.5 | 138.0 | 11.5 | 26.5 | 3.5 | 93.5 | 3.5 | 93.5 | |
| 04/28/81 | 53.00 | 48.00 | .10 | 136.00 | .23 | 55.00 | 50.00 | 18.5 | 148.5 | .5 | 27.0 | 12.5 | 99.0 | 12.5 | 99.0 | |
| 04/29/81 | 59.00 | 40.00 | .45 | 67.00 | .12 | 62.00 | 50.00 | 11.5 | 160.0 | 1.5 | 28.5 | 1.5 | 93.5 | 1.5 | 93.5 | |
| 04/30/81 | 55.00 | 48.00 | .02 | 71.00 | .03 | 60.00 | 50.00 | 7.5 | 161.5 | 0.0 | 28.5 | 4.5 | 96.0 | 4.5 | 96.0 | |
| 05/01/81 | 62.00 | 38.00 | .12 | 173.00 | .13 | 65.00 | 47.00 | 7.0 | 174.5 | 0.0 | 28.5 | 2.5 | 100.5 | 2.5 | 100.5 | |
| 05/02/81 | 62.00 | 38.00 | 0 | 136.00 | .23 | 75.00 | 48.00 | 10.5 | 185.0 | .5 | 29.0 | 6.0 | 112.5 | 6.0 | 112.5 | |
| 05/03/81 | 79.00 | 48.00 | 0 | 228.00 | .40 | 74.00 | 55.00 | 23.5 | 208.5 | 13.5 | 42.5 | 14.5 | 127.0 | 14.5 | 127.0 | |
| 05/04/81 | 70.00 | 45.00 | 0 | 83.00 | .16 | 66.00 | 54.00 | 17.5 | 226.0 | 7.5 | 50.0 | 10.0 | 137.0 | 10.0 | 137.0 | |
| 05/05/81 | 64.00 | 38.00 | .09 | 100.00 | .09 | 66.00 | 47.00 | 9.0 | 235.0 | 0.0 | 50.0 | 7.0 | 144.0 | 7.0 | 144.0 | |
| 05/06/81 | 62.00 | 28.00 | 0 | 70.00 | .23 | 77.00 | 47.00 | 4.0 | 239.0 | 0.0 | 50.0 | 6.0 | 150.0 | 6.0 | 150.0 | |
| 05/07/81 | 65.00 | 31.00 | 0 | 42.00 | .21 | 82.00 | 47.00 | 7.5 | 246.5 | 0.0 | 50.0 | 7.5 | 157.5 | 7.5 | 157.5 | |
| 05/08/81 | 61.00 | 40.00 | 0 | 122.00 | .29 | 76.00 | 51.00 | 13.0 | 259.5 | 3.0 | 53.0 | 5.5 | 163.0 | 5.5 | 163.0 | |
| 05/09/81 | 64.00 | 34.00 | .03 | 135.00 | .17 | 71.00 | 52.00 | 9.0 | 268.5 | 0.0 | 53.0 | 7.0 | 170.0 | 7.0 | 170.0 | |
| 05/10/81 | 44.00 | 22.00 | 0 | 183.00 | .19 | 73.00 | 45.00 | 0.0 | 268.5 | 0.0 | 53.0 | 0.0 | 170.0 | 0.0 | 170.0 | |
| 05/11/81 | 58.00 | 28.00 | 0 | 63.00 | .20 | 79.00 | 46.00 | 3.5 | 272.0 | 0.0 | 53.0 | 0.0 | 174.0 | 0.0 | 174.0 | |
| 05/12/81 | 62.00 | 28.00 | 0 | 69.00 | .24 | 79.00 | 50.00 | 5.0 | 277.5 | 0.0 | 53.0 | 6.0 | 180.0 | 6.0 | 180.0 | |
| 05/13/81 | 65.00 | 28.00 | 0 | 76.00 | .27 | 78.00 | 50.00 | 7.0 | 284.5 | 0.0 | 53.0 | 7.5 | 187.5 | 7.5 | 187.5 | |
| 05/14/81 | 70.00 | 29.00 | 0 | 41.00 | .23 | 77.00 | 50.00 | 9.5 | 294.0 | 0.0 | 53.0 | 10.0 | 197.5 | 10.0 | 197.5 | |
| 05/15/81 | 74.00 | 42.00 | 0 | 34.00 | .22 | 86.00 | 53.00 | 18.0 | 312.0 | 8.0 | 61.0 | 12.0 | 209.5 | 12.0 | 209.5 | |
| 05/16/81 | 76.00 | 42.00 | 0 | 39.00 | .21 | 80.00 | 57.00 | 19.0 | 331.0 | 9.0 | 70.0 | 13.0 | 222.5 | 13.0 | 222.5 | |
| 05/17/81 | 72.00 | 40.00 | 0 | 177.00 | .38 | 82.00 | 58.00 | 16.0 | 347.0 | 6.0 | 76.0 | 11.0 | 233.5 | 11.0 | 233.5 | |
| 05/18/81 | 65.00 | 32.00 | 0 | 60.00 | .17 | 80.00 | 53.00 | 8.5 | 355.5 | 0.0 | 76.0 | 7.5 | 241.0 | 7.5 | 241.0 | |
| 05/19/81 | 72.00 | 31.00 | 0 | 33.00 | .23 | 87.00 | 53.00 | 11.5 | 367.0 | 1.5 | 77.5 | 11.0 | 252.0 | 11.0 | 252.0 | |
| 05/20/81 | 76.00 | 38.00 | 0 | 54.00 | .32 | 90.00 | 53.00 | 16.0 | 383.0 | 6.0 | 83.5 | 13.0 | 265.0 | 13.0 | 265.0 | |
| 05/21/81 | 80.00 | 40.00 | 0 | 99.00 | .41 | 80.00 | 56.00 | 20.0 | 403.0 | 10.0 | 93.5 | 15.0 | 280.0 | 15.0 | 280.0 | |
| 05/22/81 | 81.00 | 55.00 | .09 | 205.00 | .51 | 85.00 | 58.00 | 28.0 | 431.0 | 18.0 | 111.5 | 18.0 | 298.0 | 18.0 | 298.0 | |
| 05/23/81 | 76.00 | 60.00 | 0 | 187.00 | .33 | 88.00 | 64.00 | 28.0 | 459.0 | 18.0 | 129.5 | 18.0 | 316.0 | 18.0 | 316.0 | |
| 05/24/81 | 73.00 | 57.00 | 1.64 | 75.00 | .27 | 79.00 | 65.00 | 25.0 | 484.0 | 15.0 | 144.5 | 15.0 | 331.0 | 15.0 | 331.0 | |
| 05/25/81 | 59.00 | 48.00 | .31 | 80.00 | .10 | 68.00 | 60.00 | 13.5 | 497.5 | 3.5 | 148.0 | 4.5 | 335.5 | 4.5 | 335.5 | |
| 05/26/81 | 61.00 | 51.00 | .15 | 85.00 | .02 | 66.00 | 62.00 | 16.0 | 513.5 | 6.0 | 154.0 | 6.0 | 341.5 | 6.0 | 341.5 | |
| 05/27/81 | 62.00 | 48.00 | .01 | 62.00 | .11 | 74.00 | 60.00 | 15.5 | 529.0 | 5.5 | 159.5 | 6.0 | 347.5 | 6.0 | 347.5 | |
| 05/28/81 | 68.00 | 52.00 | .08 | 27.00 | .11 | 78.00 | 60.00 | 20.0 | 549.0 | 10.0 | 168.5 | 10.0 | 357.5 | 10.0 | 357.5 | |
| 05/29/81 | 65.00 | 51.00 | .01 | 45.00 | .05 | 71.00 | 61.00 | 18.0 | 567.0 | 9.0 | 171.5 | 8.0 | 365.5 | 8.0 | 365.5 | |
| 05/30/81 | 71.00 | 48.00 | .01 | 174.00 | .25 | 77.00 | 64.00 | 15.5 | 582.5 | 5.5 | 183.0 | 10.5 | 376.0 | 10.5 | 376.0 | |
| 05/31/81 | 65.00 | 40.00 | .02 | 71.00 | .33 | 89.00 | 62.00 | 12.5 | 595.0 | 2.5 | 185.5 | 7.5 | 383.5 | 7.5 | 383.5 | |
| 06/01/81 | 66.00 | 45.00 | .26 | 85.00 | .11 | 71.00 | 61.00 | 17.5 | 612.5 | 7.5 | 193.0 | 8.0 | 391.5 | 8.0 | 391.5 | |
| 06/02/81 | 78.00 | 50.00 | 0 | 99.00 | .17 | 78.00 | 62.00 | 24.5 | 637.0 | 14.5 | 207.5 | 14.5 | 406.0 | 14.5 | 406.0 | |
| 06/03/81 | 63.00 | 50.00 | .30 | 94.00 | .04 | 67.00 | 62.00 | 18.5 | 655.5 | 8.5 | 216.0 | 8.5 | 414.5 | 8.5 | 414.5 | |
| 06/04/81 | 76.00 | 48.00 | 0 | 58.00 | .21 | 83.00 | 62.00 | 22.0 | 677.5 | 12.0 | 228.0 | 13.0 | 427.5 | 13.0 | 427.5 | |

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|----------|-------|-------|------|--------|-----|--------|-------|------|--------|------|--------|------|--------|
| 06/05/81 | 78.00 | 56.00 | .28 | 110.00 | .27 | 87.00 | 62.00 | 27.0 | 704.5 | 17.0 | 245.0 | 17.0 | 444.5 |
| 06/06/81 | 77.00 | 49.00 | 0 | 148.00 | .40 | 82.00 | 61.00 | 23.0 | 727.5 | 13.0 | 258.0 | 13.5 | 458.0 |
| 06/07/81 | 80.00 | 60.00 | .01 | 127.00 | .36 | 91.00 | 55.00 | 30.0 | 757.5 | 20.0 | 278.0 | 20.0 | 478.0 |
| 06/08/81 | 79.00 | 51.00 | 0 | 97.00 | .24 | 92.00 | 65.00 | 25.0 | 782.5 | 15.0 | 293.0 | 15.0 | 493.0 |
| 06/09/81 | 69.00 | 48.00 | 0 | 84.00 | .16 | 79.00 | 63.00 | 18.5 | 801.0 | 8.5 | 301.5 | 9.5 | 502.5 |
| 06/10/81 | 73.00 | 54.00 | .11 | 87.00 | .20 | 85.00 | 59.00 | 23.5 | 824.5 | 13.5 | 315.0 | 13.5 | 516.0 |
| 06/11/81 | 75.00 | 50.00 | 0 | 105.00 | .34 | 87.00 | 59.00 | 22.5 | 847.0 | 12.5 | 327.5 | 12.5 | 528.5 |
| 06/12/81 | 79.00 | 49.00 | 0 | 117.00 | .26 | 91.00 | 65.00 | 24.0 | 871.0 | 14.0 | 341.5 | 14.5 | 543.0 |
| 06/13/81 | 77.00 | 61.00 | .76 | 86.00 | .25 | 90.00 | 69.00 | 29.0 | 900.0 | 19.0 | 360.5 | 19.0 | 562.0 |
| 06/14/81 | 70.00 | 61.00 | 1.10 | 86.00 | .12 | 74.00 | 69.00 | 25.5 | 925.5 | 15.5 | 376.0 | 15.5 | 577.5 |
| 06/15/81 | 83.00 | 51.00 | .03 | 108.00 | .22 | 86.00 | 64.00 | 27.0 | 952.5 | 17.0 | 393.0 | 17.0 | 594.5 |
| 06/16/81 | 70.00 | 46.00 | 0 | 180.00 | .31 | 79.00 | 60.00 | 18.0 | 970.5 | 8.0 | 401.0 | 10.0 | 604.5 |
| 06/17/81 | 77.00 | 48.00 | 0 | 133.00 | .10 | 88.00 | 60.00 | 22.5 | 993.0 | 12.5 | 413.5 | 13.5 | 618.0 |
| 06/18/81 | 75.00 | 51.00 | 0 | 242.00 | .62 | 81.00 | 63.00 | 23.0 | 1016.0 | 13.0 | 426.5 | 13.0 | 631.0 |
| 06/19/81 | 68.00 | 47.00 | 0 | 151.00 | .27 | 87.00 | 63.00 | 17.5 | 1033.5 | 7.5 | 434.0 | 9.0 | 640.0 |
| 06/20/81 | 62.00 | 51.00 | .46 | 59.00 | .04 | 68.00 | 61.00 | 16.5 | 1050.0 | 6.5 | 440.5 | 6.5 | 646.5 |
| 06/21/81 | 72.00 | 51.00 | 0 | 46.00 | .17 | 82.00 | 62.00 | 21.5 | 1071.5 | 11.5 | 452.0 | 11.5 | 658.0 |
| 06/22/81 | 60.00 | 51.00 | .99 | 84.00 | .20 | 67.00 | 62.00 | 15.5 | 1087.0 | 5.5 | 457.5 | 5.5 | 663.5 |
| 06/23/81 | 69.00 | 48.00 | 0 | 49.00 | .10 | 82.00 | 62.00 | 18.5 | 1105.5 | 8.5 | 466.0 | 9.5 | 673.0 |
| 06/24/81 | 61.00 | 54.00 | .48 | 113.00 | .09 | 65.00 | 63.00 | 17.5 | 1123.0 | 7.5 | 473.5 | 7.5 | 680.5 |
| 06/25/81 | 76.00 | 53.00 | 0 | 162.00 | .35 | 78.00 | 62.00 | 24.5 | 1147.5 | 14.5 | 488.0 | 14.5 | 695.0 |
| 06/26/81 | 77.00 | 48.00 | 0 | 126.00 | .36 | 86.00 | 63.00 | 22.5 | 1170.0 | 12.5 | 500.5 | 13.5 | 708.5 |
| 06/27/81 | 80.00 | 58.00 | 0 | 83.00 | .32 | 96.00 | 69.00 | 29.0 | 1199.0 | 19.0 | 519.5 | 19.0 | 727.5 |
| 06/28/81 | 70.00 | 64.00 | .01 | 136.00 | .09 | 84.00 | 68.00 | 27.0 | 1226.0 | 17.0 | 536.5 | 17.0 | 744.5 |
| 06/29/81 | 80.00 | 59.00 | .02 | 69.00 | .12 | 87.00 | 69.00 | 29.5 | 1255.5 | 19.5 | 556.0 | 19.5 | 764.0 |
| 06/30/81 | 76.00 | 46.00 | 0 | 89.00 | .29 | 94.00 | 65.00 | 21.0 | 1276.5 | 11.0 | 567.0 | 13.0 | 777.0 |
| 07/01/81 | 77.00 | 52.00 | 0 | 82.00 | .32 | 98.00 | 65.00 | 24.5 | 1301.0 | 14.5 | 581.5 | 14.5 | 791.5 |
| 07/02/81 | 79.00 | 56.00 | 0 | 100.00 | .33 | 98.00 | 69.00 | 27.5 | 1328.5 | 17.5 | 599.0 | 17.5 | 809.0 |
| 07/03/81 | 82.00 | 63.00 | 0 | 85.00 | .28 | 98.00 | 71.00 | 32.5 | 1361.0 | 22.5 | 621.5 | 22.5 | 831.5 |
| 07/04/81 | 82.00 | 56.00 | 0 | 34.00 | .19 | 95.00 | 72.00 | 29.0 | 1390.0 | 19.0 | 640.5 | 19.0 | 850.5 |
| 07/05/81 | 85.00 | 53.00 | 0 | 40.00 | .25 | 105.00 | 72.00 | 29.0 | 1419.0 | 19.0 | 659.5 | 19.0 | 869.5 |
| 07/06/81 | 88.00 | 53.00 | 0 | 34.00 | .28 | 107.00 | 76.00 | 30.5 | 1449.5 | 20.5 | 680.0 | 19.5 | 889.0 |
| 07/07/81 | 91.00 | 65.00 | 0 | 100.00 | .39 | 107.00 | 77.00 | 38.0 | 1487.5 | 28.0 | 708.0 | 25.5 | 914.5 |
| 07/08/81 | 89.00 | 71.00 | 0 | 185.00 | .46 | 102.00 | 78.00 | 40.0 | 1527.5 | 30.0 | 738.0 | 28.5 | 943.0 |
| 07/09/81 | 89.00 | 46.00 | 0 | 106.00 | .27 | 92.00 | 67.00 | 27.5 | 1555.0 | 17.5 | 755.5 | 18.0 | 961.0 |
| 07/10/81 | 85.00 | 50.00 | 0 | 55.00 | .31 | 106.00 | 68.00 | 27.5 | 1582.5 | 17.5 | 773.0 | 17.5 | 978.5 |
| 07/11/81 | 81.00 | 61.00 | .29 | 146.00 | .51 | 103.00 | 70.00 | 31.0 | 1613.5 | 21.0 | 794.0 | 21.0 | 999.5 |
| 07/12/81 | 87.00 | 64.00 | 0 | 60.00 | .15 | 105.00 | 74.00 | 35.5 | 1649.0 | 25.5 | 819.5 | 25.0 | 1024.5 |
| 07/13/81 | 88.00 | 63.00 | .12 | 35.00 | .25 | 102.00 | 75.00 | 35.5 | 1684.5 | 25.5 | 845.0 | 24.5 | 1049.0 |
| 07/14/81 | 86.00 | 61.00 | .76 | 65.00 | .37 | 112.00 | 73.00 | 33.5 | 1718.0 | 23.5 | 868.5 | 23.5 | 1072.5 |
| 07/15/81 | 70.00 | 58.00 | .47 | 115.00 | .12 | 77.00 | 69.00 | 24.0 | 1742.0 | 14.0 | 882.5 | 14.0 | 1086.5 |
| 07/16/81 | 67.00 | 56.00 | 0 | 43.00 | .04 | 76.00 | 68.00 | 21.5 | 1763.5 | 11.5 | 894.0 | 11.5 | 1098.0 |
| 07/17/81 | 82.00 | 59.00 | 0 | 55.00 | .19 | 86.00 | 68.00 | 30.5 | 1794.0 | 20.5 | 914.5 | 20.5 | 1118.5 |
| 07/18/81 | 81.00 | 54.00 | 0 | 84.00 | .34 | 94.00 | 70.00 | 27.5 | 1821.5 | 17.5 | 932.0 | 17.5 | 1136.0 |
| 07/19/81 | 86.00 | 56.00 | 0 | 18.00 | .22 | 103.00 | 74.00 | 31.0 | 1852.5 | 21.0 | 953.0 | 21.0 | 1157.0 |
| 07/20/81 | 80.00 | 60.00 | .02 | 48.00 | .09 | 89.00 | 72.00 | 30.0 | 1882.5 | 20.0 | 973.0 | 20.0 | 1177.0 |
| 07/21/81 | 83.00 | 60.00 | .02 | 79.00 | .27 | 102.00 | 72.00 | 31.5 | 1914.0 | 21.5 | 994.5 | 21.5 | 1198.5 |
| 07/22/81 | 67.00 | 51.00 | .19 | 68.00 | .10 | 78.00 | 66.00 | 19.0 | 1933.0 | 9.0 | 1003.5 | 9.0 | 1207.5 |
| 07/23/81 | 69.00 | 52.00 | 1.12 | 68.00 | .11 | 76.00 | 67.00 | 20.5 | 1953.5 | 10.5 | 1014.0 | 10.5 | 1218.0 |
| 07/24/81 | 77.00 | 61.00 | .12 | 71.00 | .20 | 85.00 | 70.00 | 29.0 | 1982.5 | 19.0 | 1033.0 | 19.0 | 1237.0 |
| 07/25/81 | 79.00 | 52.00 | .33 | 87.00 | .19 | 85.00 | 67.00 | 25.5 | 2008.0 | 15.5 | 1048.5 | 15.5 | 1252.5 |
| 07/26/81 | 68.00 | 49.00 | 0 | 57.00 | .22 | 84.00 | 64.00 | 18.5 | 2026.5 | 8.5 | 1057.0 | 9.0 | 1261.5 |
| 07/27/81 | 70.00 | 44.00 | 0 | 44.00 | .24 | 93.00 | 65.00 | 17.0 | 2043.5 | 7.0 | 1064.0 | 10.0 | 1271.5 |
| 07/28/81 | 72.00 | 46.00 | 0 | 24.00 | .13 | 85.00 | 64.00 | 19.0 | 2062.5 | 9.0 | 1073.0 | 11.0 | 1282.5 |
| 07/29/81 | 73.00 | 49.00 | 0 | 51.00 | .25 | 96.00 | 65.00 | 21.0 | 2083.5 | 11.0 | 1084.0 | 11.5 | 1294.0 |
| 07/30/81 | 73.00 | 59.00 | 0 | 126.00 | .19 | 88.00 | 70.00 | 26.0 | 2109.5 | 16.0 | 1100.0 | 16.0 | 1310.0 |
| 07/31/81 | 77.00 | 61.00 | .33 | 142.00 | .10 | 88.00 | 69.00 | 29.0 | 2138.5 | 19.0 | 1119.0 | 19.0 | 1329.0 |
| 08/01/81 | 84.00 | 48.00 | 1.61 | 75.00 | .20 | 89.00 | 70.00 | 26.0 | 2164.5 | 16.0 | 1135.0 | 17.0 | 1346.0 |
| 08/02/81 | 79.00 | 59.00 | 1.23 | 42.00 | .10 | 90.00 | 72.00 | 29.0 | 2193.5 | 19.0 | 1154.0 | 19.0 | 1365.0 |
| 08/03/81 | 83.00 | 66.00 | 0 | 44.00 | .17 | 90.00 | 73.00 | 34.5 | 2228.0 | 24.5 | 1178.5 | 24.5 | 1389.5 |
| 08/04/81 | 81.00 | 53.00 | .09 | 42.00 | .18 | 88.00 | 69.00 | 27.0 | 2255.0 | 17.0 | 1195.5 | 17.0 | 1406.5 |
| 08/05/81 | 83.00 | 62.00 | 0 | 43.00 | .20 | 92.00 | 69.00 | 32.5 | 2287.5 | 22.5 | 1218.0 | 22.5 | 1429.0 |
| 08/06/81 | 80.00 | 59.00 | .75 | 70.00 | .23 | 88.00 | 70.00 | 29.5 | 2317.0 | 19.5 | 1237.5 | 19.5 | 1448.5 |
| 08/07/81 | 71.00 | 60.00 | .19 | 177.00 | .17 | 78.00 | 70.00 | 25.5 | 2342.5 | 15.5 | 1253.0 | 15.5 | 1464.0 |
| 08/08/81 | 75.00 | 54.00 | 0 | 76.00 | .17 | 83.00 | 68.00 | 24.5 | 2367.0 | 14.5 | 1267.5 | 14.5 | 1478.5 |
| 08/09/81 | 77.00 | 54.00 | .03 | 93.00 | .21 | 83.00 | 67.00 | 25.5 | 2392.5 | 15.5 | 1283.0 | 15.5 | 1494.0 |
| 08/10/81 | 70.00 | 46.00 | 0 | 57.00 | .17 | 82.00 | 69.00 | 18.0 | 2410.5 | 8.0 | 1291.0 | 10.0 | 1504.0 |
| 08/11/81 | 76.00 | 51.00 | 0 | 41.00 | .18 | 93.00 | 64.00 | 23.5 | 2434.0 | 13.5 | 1304.5 | 13.5 | 1517.5 |
| 08/12/81 | 81.00 | 57.00 | 0 | 67.00 | .19 | 91.00 | 68.00 | 29.0 | 2463.0 | 19.0 | 1323.5 | 19.0 | 1536.5 |
| 08/13/81 | 87.00 | 59.00 | 0 | 48.00 | .18 | 96.00 | 70.00 | 33.0 | 2496.0 | 23.0 | 1346.5 | 22.5 | 1559.0 |
| 08/14/81 | 87.00 | 61.00 | 0 | 67.00 | .25 | 97.00 | 73.00 | 34.0 | 2530.0 | 24.0 | 1370.5 | 23.5 | 1582.5 |
| 08/15/81 | 84.00 | 53.00 | .19 | 50.00 | .19 | 97.00 | 70.00 | 28.5 | 2558.5 | 18.5 | 1389.0 | 18.5 | 1601.0 |
| 08/16/81 | 72.00 | 46.00 | 0 | 72.00 | .24 | 93.00 | 67.00 | 19.0 | 2577.5 | 9.0 | 1398.0 | 11.0 | 1612.0 |
| 08/17/81 | 73.00 | 43.00 | 0 | 45.00 | .17 | 88.00 | 65.00 | 18.0 | 2595.5 | 8.0 | 1406.0 | 11.5 | 1623.5 |
| 08/18/81 | 75.00 | 45.00 | 0 | 41.00 | .30 | 92.00 | 65.00 | 20.0 | 2615.5 | 10.0 | 1416.0 | 12.5 | 1636.0 |

| | | | | | | | | | | | | | |
|----------|-------|-------|------|--------|------|-------|-------|------|--------|------|--------|------|--------|
| 08/19/81 | 76.00 | 46.00 | 0 | 44.00 | -.11 | 96.00 | 66.00 | 21.0 | 2636.5 | 11.0 | 1427.0 | 13.0 | 1649.0 |
| 08/20/81 | 76.00 | 54.00 | 0 | 79.00 | .25 | 95.00 | 66.00 | 25.0 | 2661.5 | 15.0 | 1442.0 | 15.0 | 1664.0 |
| 08/21/81 | 80.00 | 60.00 | 0 | 130.00 | .27 | 93.00 | 70.00 | 30.0 | 2691.5 | 20.0 | 1462.0 | 20.0 | 1684.0 |
| 08/22/81 | 79.00 | 61.00 | 0 | 172.00 | -.22 | 89.00 | 71.00 | 30.0 | 2721.5 | 20.0 | 1482.0 | 20.0 | 1704.0 |
| 08/23/81 | 75.00 | 62.00 | 0 | 95.00 | -.17 | 87.00 | 72.00 | 28.5 | 2750.0 | 18.5 | 1500.5 | 18.5 | 1722.5 |
| 08/24/81 | 75.00 | 63.00 | .31 | 42.00 | -.06 | 82.00 | 72.00 | 29.0 | 2779.0 | 19.0 | 1519.5 | 19.0 | 1741.5 |
| 08/25/81 | 70.00 | 61.00 | 1.42 | 78.00 | -.16 | 75.00 | 71.00 | 25.5 | 2804.5 | 15.5 | 1535.0 | 15.5 | 1757.0 |
| 08/26/81 | 70.00 | 59.00 | .04 | 64.00 | .07 | 76.00 | 70.00 | 24.5 | 2829.0 | 14.5 | 1549.5 | 14.5 | 1771.5 |
| 08/27/81 | 67.00 | 53.00 | .11 | 46.00 | -.08 | 74.00 | 65.00 | 20.0 | 2849.0 | 10.0 | 1559.5 | 10.0 | 1781.5 |
| 08/28/81 | 74.00 | 46.00 | 0 | 65.00 | -.20 | 84.00 | 68.00 | 20.0 | 2869.0 | 10.0 | 1569.5 | 12.0 | 1793.5 |
| 08/29/81 | 61.00 | 52.00 | 0 | 51.00 | -.12 | 74.00 | 65.00 | 16.5 | 2885.5 | 6.5 | 1576.0 | 6.5 | 1800.0 |
| 08/30/81 | 70.00 | 53.00 | 0 | 96.00 | -.14 | 80.00 | 66.00 | 21.5 | 2907.0 | 11.5 | 1587.5 | 11.5 | 1811.5 |
| 08/31/81 | 77.00 | 64.00 | 0 | 48.00 | -.14 | 81.00 | 73.00 | 30.5 | 2937.5 | 20.5 | 1608.0 | 20.5 | 1832.0 |
| 09/01/81 | 71.00 | 46.00 | .05 | 168.00 | -.11 | 74.00 | 61.00 | 18.5 | 2956.0 | 8.5 | 1616.5 | 10.5 | 1842.5 |
| 09/02/81 | 68.00 | 41.00 | 0 | 45.00 | -.15 | 88.00 | 60.00 | 14.5 | 2970.5 | 4.5 | 1621.0 | 9.0 | 1851.5 |
| 09/03/81 | 71.00 | 49.00 | 0 | 108.00 | -.19 | 87.00 | 61.00 | 20.0 | 2990.5 | 10.0 | 1631.0 | 10.5 | 1862.0 |
| 09/04/81 | 64.00 | 37.00 | 0 | 73.00 | -.17 | 85.00 | 60.00 | 10.5 | 3001.0 | .5 | 1631.5 | 7.0 | 1869.0 |
| 09/05/81 | 67.00 | 45.00 | 0 | 70.00 | -.17 | 89.00 | 59.00 | 16.0 | 3017.0 | 6.0 | 1637.5 | 8.5 | 1877.5 |
| 09/06/81 | 71.00 | 52.00 | 0 | 127.00 | -.19 | 87.00 | 61.00 | 21.5 | 3038.5 | 11.5 | 1649.0 | 11.5 | 1889.0 |
| 09/07/81 | 79.00 | 54.00 | .95 | 170.00 | -.27 | 87.00 | 61.00 | 26.5 | 3065.0 | 16.5 | 1665.5 | 16.5 | 1905.5 |
| 09/08/81 | 70.00 | 47.00 | 0 | 107.00 | -.27 | 76.00 | 60.00 | 18.5 | 3083.5 | 8.5 | 1674.0 | 10.0 | 1915.5 |
| 09/09/81 | 75.00 | 49.00 | 0 | 76.00 | -.19 | 77.00 | 61.00 | 22.0 | 3105.5 | 12.0 | 1686.0 | 12.5 | 1928.0 |
| 09/10/81 | 85.00 | 49.00 | 0 | 61.00 | -.22 | 87.00 | 62.00 | 27.0 | 3132.5 | 17.0 | 1703.0 | 17.5 | 1945.5 |
| 09/11/81 | 87.00 | 53.00 | 0 | 30.00 | -.16 | 93.00 | 63.00 | 30.0 | 3162.5 | 20.0 | 1723.0 | 19.5 | 1965.0 |
| 09/12/81 | 76.00 | 45.00 | 0 | 71.00 | -.22 | 86.00 | 64.00 | 20.5 | 3183.0 | 10.5 | 1733.5 | 13.0 | 1978.0 |
| 09/13/81 | 79.00 | 51.00 | 0 | 52.00 | -.19 | 89.00 | 65.00 | 25.0 | 3208.0 | 15.0 | 1748.5 | 15.0 | 1993.0 |
| 09/14/81 | 77.00 | 39.00 | 0 | 71.00 | -.22 | 87.00 | 60.00 | 18.0 | 3226.0 | 8.0 | 1756.5 | 13.5 | 2006.5 |
| 09/15/81 | 71.00 | 37.00 | 0 | 81.00 | -.13 | 80.00 | 58.00 | 14.0 | 3240.0 | 4.0 | 1760.5 | 10.5 | 2017.0 |
| 09/16/81 | 62.00 | 37.00 | 0 | 111.00 | -.16 | 74.00 | 56.00 | 9.5 | 3249.5 | 0.0 | 1760.5 | 6.0 | 2023.0 |
| 09/17/81 | 59.00 | 31.00 | 0 | 67.00 | -.12 | 75.00 | 53.00 | 5.0 | 3254.5 | 0.0 | 1760.5 | 4.5 | 2027.5 |
| 09/18/81 | 61.00 | 33.00 | 0 | 32.00 | .08 | 75.00 | 52.00 | 7.0 | 3261.5 | 0.0 | 1760.5 | 5.5 | 2033.0 |
| 09/19/81 | 70.00 | 36.00 | 0 | 69.00 | -.16 | 78.00 | 53.00 | 13.0 | 3274.5 | 3.0 | 1763.5 | 10.0 | 2043.0 |
| 09/20/81 | 70.00 | 32.00 | 0 | 42.00 | -.16 | 82.00 | 54.00 | 11.0 | 3285.5 | 1.0 | 1764.5 | 10.0 | 2053.0 |
| 09/21/81 | 69.00 | 38.00 | .02 | 48.00 | -.15 | 81.00 | 54.00 | 13.5 | 3299.0 | 3.5 | 1768.0 | 9.5 | 2062.5 |
| 09/22/81 | 66.00 | 39.00 | 0 | 71.00 | -.14 | 82.00 | 56.00 | 12.5 | 3311.5 | 2.5 | 1770.5 | 8.0 | 2070.5 |
| 09/23/81 | 58.00 | 43.00 | .01 | 112.00 | -.08 | 65.00 | 55.00 | 10.5 | 3322.0 | .5 | 1771.0 | 4.0 | 2074.5 |
| 09/24/81 | 59.00 | 41.00 | 0 | 96.00 | -.08 | 69.00 | 55.00 | 10.0 | 3332.0 | 0.0 | 1771.0 | 4.5 | 2079.0 |
| 09/25/81 | 64.00 | 44.00 | .02 | 81.00 | -.03 | 72.00 | 56.00 | 14.0 | 3346.0 | 4.0 | 1775.0 | 7.0 | 2086.0 |
| 09/26/81 | 61.00 | 43.00 | .36 | 111.00 | -.09 | 65.00 | 61.00 | 12.0 | 3358.0 | 2.0 | 1777.0 | 5.5 | 2091.5 |
| 09/27/81 | 58.00 | 43.00 | 0 | 332.00 | -.23 | 63.00 | 47.00 | 10.5 | 3368.5 | .5 | 1777.5 | 4.0 | 2095.5 |
| 09/28/81 | 52.00 | 25.00 | 0 | 109.00 | .06 | 56.00 | 43.00 | 0.0 | 3368.5 | 0.0 | 1777.5 | 1.0 | 2096.5 |
| 09/29/81 | 49.00 | 40.00 | .08 | 99.00 | -.03 | 56.00 | 43.00 | 4.5 | 3373.0 | 0.0 | 1777.5 | 0.0 | 2096.5 |
| 09/30/81 | 57.00 | 42.00 | .05 | 134.00 | .07 | 64.00 | 50.00 | 9.5 | 3382.5 | 0.0 | 1777.5 | 3.5 | 2100.0 |
| 10/01/81 | 47.00 | 32.00 | .16 | 158.00 | .05 | 54.00 | 45.00 | 0.0 | 3382.5 | 0.0 | 1777.5 | 0.0 | 2100.0 |
| 10/02/81 | 46.00 | 23.00 | .01 | 78.00 | -.04 | 57.00 | 42.00 | 0.0 | 3382.5 | 0.0 | 1777.5 | 0.0 | 2100.0 |
| 10/03/81 | 54.00 | 40.00 | 0 | 158.00 | -.18 | 62.00 | 42.00 | 7.0 | 3389.5 | 0.0 | 1777.5 | 2.0 | 2102.0 |
| 10/04/81 | 58.00 | 41.00 | 1.61 | 146.00 | -.29 | 56.00 | 48.00 | 9.5 | 3399.0 | 0.0 | 1777.5 | 4.0 | 2106.0 |
| 10/05/81 | 55.00 | 43.00 | .02 | 47.00 | -.04 | 57.00 | 50.00 | 9.0 | 3408.0 | 0.0 | 1777.5 | 2.5 | 2108.5 |
| 10/06/81 | 49.00 | 34.00 | .49 | 100.00 | -.09 | 57.00 | 47.00 | 1.5 | 3409.5 | 0.0 | 1777.5 | 0.0 | 2108.5 |
| 10/07/81 | 54.00 | 25.00 | 0 | 64.00 | -.09 | 62.00 | 43.00 | 0.0 | 3409.5 | 0.0 | 1777.5 | 2.0 | 2110.5 |
| 10/08/81 | 58.00 | 43.00 | 0 | 134.00 | -.17 | 63.00 | 43.00 | 10.5 | 3420.0 | .5 | 1778.0 | 4.0 | 2114.5 |
| 10/09/81 | 61.00 | 42.00 | 0 | 182.00 | -.22 | 61.00 | 49.00 | 11.5 | 3431.5 | 1.5 | 1779.5 | 5.5 | 2120.0 |
| 10/10/81 | 48.00 | 43.00 | .21 | 104.00 | -.01 | 51.00 | 49.00 | 5.5 | 3437.0 | 0.0 | 1779.5 | 0.0 | 2120.0 |
| 10/11/81 | 59.00 | 39.00 | 0 | 45.00 | -.05 | 66.00 | 50.00 | 9.0 | 3446.0 | 0.0 | 1779.5 | 4.5 | 2124.5 |
| 10/12/81 | 63.00 | 42.00 | .15 | 163.00 | -.14 | 65.00 | 51.00 | 12.5 | 3458.5 | 2.5 | 1782.0 | 6.5 | 2131.0 |
| 10/13/81 | 60.00 | 48.00 | .61 | 161.00 | -.15 | 61.00 | 48.00 | 14.0 | 3472.5 | 4.0 | 1786.0 | 5.0 | 2136.0 |
| 10/14/81 | 54.00 | 37.00 | .30 | 75.00 | .05 | 56.00 | 50.00 | 5.5 | 3478.0 | 0.0 | 1786.0 | 2.0 | 2138.0 |
| 10/15/81 | 54.00 | 33.00 | .01 | 82.00 | -.11 | 63.00 | 48.00 | 3.5 | 3481.5 | 0.0 | 1786.0 | 2.0 | 2140.0 |
| 10/16/81 | 56.00 | 33.00 | 0 | 60.00 | -.09 | 62.00 | 46.00 | 4.5 | 3486.0 | 0.0 | 1786.0 | 3.0 | 2143.0 |
| 10/17/81 | 65.00 | 48.00 | .80 | 164.00 | -.16 | 64.00 | 48.00 | 16.5 | 3502.5 | 6.5 | 1792.5 | 7.5 | 2150.5 |
| 10/18/81 | 50.00 | 31.00 | 0 | 300.00 | -.10 | 54.00 | 43.00 | .5 | 3503.0 | 0.0 | 1792.5 | 0.0 | 2150.5 |
| 10/19/81 | 37.00 | 19.00 | 0 | 44.00 | -.10 | 44.00 | 40.00 | 0.0 | 3503.0 | 0.0 | 1792.5 | 0.0 | 2150.5 |
| 10/20/81 | 58.00 | 38.00 | 0 | 99.00 | -.03 | 55.00 | 46.00 | 8.0 | 3511.0 | 0.0 | 1792.5 | 4.0 | 2154.5 |
| 10/21/81 | 47.00 | 23.00 | .02 | 90.00 | 0 | 53.00 | 41.00 | 0.0 | 3511.0 | 0.0 | 1792.5 | 0.0 | 2154.5 |
| 10/22/81 | 31.00 | 18.00 | 0 | 98.00 | 0 | 40.00 | 40.00 | 0.0 | 3511.0 | 0.0 | 1792.5 | 0.0 | 2154.5 |
| 10/23/81 | 30.00 | 11.00 | .04 | 163.00 | 0 | 40.00 | 37.00 | 0.0 | 3511.0 | 0.0 | 1792.5 | 0.0 | 2154.5 |
| 10/24/81 | 26.00 | 16.00 | .02 | 154.00 | 0 | 39.00 | 38.00 | 0.0 | 3511.0 | 0.0 | 1792.5 | 0.0 | 2154.5 |
| 10/25/81 | 35.00 | 23.00 | .05 | 91.00 | 0 | 37.00 | 37.00 | 0.0 | 3511.0 | 0.0 | 1792.5 | 0.0 | 2154.5 |
| 10/26/81 | 39.00 | 13.00 | 0 | 89.00 | 0 | 37.00 | 37.00 | 0.0 | 3511.0 | 0.0 | 1792.5 | 0.0 | 2154.5 |
| 10/27/81 | 49.00 | 27.00 | 0 | 130.00 | 0 | 45.00 | 37.00 | 0.0 | 3511.0 | 0.0 | 1792.5 | 0.0 | 2154.5 |
| 10/28/81 | 53.00 | 31.00 | 0 | 74.00 | -.12 | 55.00 | 40.00 | 2.0 | 3513.0 | 0.0 | 1792.5 | 1.5 | 2156.0 |
| 10/29/81 | 55.00 | 41.00 | 0 | 169.00 | -.12 | 52.00 | 44.00 | 8.0 | 3521.0 | 0.0 | 1792.5 | 2.5 | 2156.5 |
| 10/30/81 | 57.00 | 48.00 | 0 | 197.00 | -.13 | 52.00 | 48.00 | 12.5 | 3533.5 | 2.5 | 1795.0 | 3.5 | 2162.0 |
| 10/31/81 | 54.00 | 34.00 | 0 | 120.00 | -.02 | 53.00 | 44.00 | 4.0 | 3537.5 | 0.0 | 1795.0 | 2.0 | 2164.0 |

LOCATION: ST PAUL

DEGREE DAYS

| DATE | MAXTEMP | MINTEMP | PRECIP | WIND | SOLAR | PAN | BASE = 40 | | BASE = 50 | | BASE = 50/86 | |
|----------|---------|---------|--------|--------|--------|-----|-----------|-------|-----------|-------|--------------|-------|
| | | | | | | | DAILY | ACCUM | DAILY | ACCUM | DAILY | ACCUM |
| 04/01/81 | 52.00 | 36.00 | .06 | 286.00 | 428.00 | | 4.0 | 4.0 | 0.0 | 0.0 | 1.0 | 1.0 |
| 04/02/81 | 76.00 | 38.00 | 0 | 109.00 | 466.00 | | 17.0 | 21.0 | 7.0 | 7.0 | 13.0 | 14.0 |
| 04/03/81 | 71.00 | 44.00 | .08 | 128.00 | 188.00 | | 17.5 | 38.5 | 7.5 | 14.5 | 10.5 | 24.5 |
| 04/04/81 | 82.00 | 29.00 | .48 | 190.00 | 195.00 | | 15.5 | 54.0 | 5.5 | 20.0 | 16.0 | 40.5 |
| 04/05/81 | 43.00 | 26.00 | 0 | 108.00 | 578.00 | | 0.0 | 54.0 | 0.0 | 20.0 | 0.0 | 40.5 |
| 04/06/81 | 58.00 | 29.00 | .01 | 158.00 | 557.00 | | 3.5 | 57.5 | 0.0 | 20.0 | 4.0 | 44.5 |
| 04/07/81 | 64.00 | 44.00 | 0 | 125.00 | 302.00 | | 14.0 | 71.5 | 4.0 | 24.0 | 7.0 | 51.5 |
| 04/08/81 | 62.00 | 43.00 | 0 | 75.00 | 392.00 | | 12.5 | 84.0 | 2.5 | 26.5 | 6.0 | 57.5 |
| 04/09/81 | 66.00 | 38.00 | 0 | 100.00 | 419.00 | | 12.0 | 96.0 | 2.0 | 28.5 | 8.0 | 65.5 |
| 04/10/81 | 70.00 | 50.00 | 0 | 167.00 | 350.00 | | 20.0 | 116.0 | 10.0 | 38.5 | 10.0 | 75.5 |
| 04/11/81 | 66.00 | 42.00 | 0 | 95.00 | 245.00 | | 14.0 | 130.0 | 4.0 | 42.5 | 8.0 | 83.5 |
| 04/12/81 | 66.00 | 39.00 | .01 | 121.00 | 498.00 | | 12.5 | 142.5 | 2.5 | 45.0 | 8.0 | 91.5 |
| 04/13/81 | 66.00 | 44.00 | .02 | 156.00 | 88.00 | .18 | 15.0 | 157.5 | 5.0 | 50.0 | 8.0 | 99.5 |
| 04/14/81 | 46.00 | 26.00 | .19 | 199.00 | 598.00 | .12 | 0.0 | 157.5 | 0.0 | 50.0 | 0.0 | 99.5 |
| 04/15/81 | 62.00 | 31.00 | 0 | 129.00 | 605.00 | .16 | 6.5 | 164.0 | 0.0 | 50.0 | 6.0 | 105.5 |
| 04/16/81 | 62.00 | 44.00 | .01 | 176.00 | 202.00 | .31 | 13.0 | 177.0 | 3.0 | 53.0 | 6.0 | 111.5 |
| 04/17/81 | 70.00 | 54.00 | 0 | 177.00 | 441.00 | .05 | 22.0 | 199.0 | 12.0 | 65.0 | 12.0 | 123.5 |
| 04/18/81 | 65.00 | 29.00 | 0 | 112.00 | 438.00 | .38 | 7.0 | 206.0 | 0.0 | 65.0 | 7.5 | 131.0 |
| 04/19/81 | 57.00 | 47.00 | .09 | 119.00 | 398.00 | .03 | 12.0 | 218.0 | 2.0 | 67.0 | 3.5 | 134.5 |
| 04/20/81 | 51.00 | 29.00 | 0 | 126.00 | 622.00 | .18 | 0.0 | 218.0 | 0.0 | 67.0 | .5 | 135.0 |
| 04/21/81 | 50.00 | 34.00 | .26 | 178.00 | 180.00 | .24 | 2.0 | 220.0 | 0.0 | 67.0 | 0.0 | 135.0 |
| 04/22/81 | 56.00 | 37.00 | .46 | 136.00 | 66.00 | .02 | 6.5 | 226.5 | 0.0 | 67.0 | 3.0 | 138.0 |
| 04/23/81 | 52.00 | 38.00 | .43 | 245.00 | 89.00 | .05 | 5.0 | 231.5 | 0.0 | 67.0 | 1.0 | 139.0 |
| 04/24/81 | 55.00 | 38.00 | .20 | 154.00 | 474.00 | 0 | 6.5 | 238.0 | 0.0 | 67.0 | 2.5 | 141.5 |
| 04/25/81 | 58.00 | 36.00 | .01 | 125.00 | 387.00 | .14 | 7.0 | 245.0 | 0.0 | 67.0 | 4.0 | 145.5 |
| 04/26/81 | 69.00 | 41.00 | 0 | 86.00 | 528.00 | .11 | 15.0 | 260.0 | 5.0 | 72.0 | 9.5 | 155.0 |
| 04/27/81 | 70.00 | 53.00 | .25 | 119.00 | 365.00 | .11 | 21.5 | 281.5 | 11.5 | 83.5 | 11.5 | 166.5 |
| 04/28/81 | 68.00 | 45.00 | 0 | 127.00 | 182.00 | .21 | 16.5 | 298.0 | 6.5 | 90.0 | 9.0 | 175.5 |
| 04/29/81 | 61.00 | 46.00 | .45 | 90.00 | 344.00 | .01 | 13.5 | 311.5 | 3.5 | 93.5 | 5.5 | 181.0 |
| 04/30/81 | 62.00 | 41.00 | .03 | 97.00 | 441.00 | .24 | 11.5 | 323.0 | 1.5 | 95.0 | 6.0 | 187.0 |
| 05/01/81 | 60.00 | 36.00 | 0 | 114.00 | 672.00 | .15 | 8.0 | 331.0 | 0.0 | 95.0 | 5.0 | 192.0 |
| 05/02/81 | 72.00 | 43.00 | 0 | 154.00 | 629.00 | .22 | 17.5 | 348.5 | 7.5 | 102.5 | 11.0 | 203.0 |
| 05/03/81 | 72.00 | 58.00 | .15 | 194.00 | 242.00 | .34 | 25.0 | 373.5 | 15.0 | 117.5 | 15.0 | 218.0 |
| 05/04/81 | 62.00 | 57.00 | .73 | 63.00 | 117.00 | .04 | 19.5 | 393.0 | 9.5 | 127.0 | 9.5 | 227.5 |
| 05/05/81 | 61.00 | 48.00 | .12 | 136.00 | 442.00 | .20 | 14.5 | 407.5 | 4.5 | 131.5 | 5.5 | 233.0 |
| 05/06/81 | 61.00 | 38.00 | 0 | 72.00 | 677.00 | .23 | 9.5 | 417.0 | 0.0 | 131.5 | 5.5 | 238.5 |
| 05/07/81 | 63.00 | 38.00 | 0 | 55.00 | 640.00 | .24 | 10.5 | 427.5 | .5 | 132.0 | 6.5 | 245.0 |
| 05/08/81 | 63.00 | 49.00 | 0 | 124.00 | 373.00 | .17 | 16.0 | 443.5 | 6.0 | 138.0 | 6.5 | 251.5 |
| 05/09/81 | 61.00 | 44.00 | .10 | 133.00 | 448.00 | .19 | 12.5 | 456.0 | 2.5 | 140.5 | 5.5 | 257.0 |
| 05/10/81 | 55.00 | 30.00 | 0 | 270.00 | 695.00 | .22 | 2.5 | 458.5 | 0.0 | 140.5 | 2.5 | 259.5 |
| 05/11/81 | 62.00 | 31.00 | 0 | 96.00 | 712.00 | .22 | 6.5 | 465.0 | 0.0 | 140.5 | 6.0 | 265.5 |
| 05/12/81 | 61.00 | 37.00 | 0 | 98.00 | 505.00 | .28 | 9.0 | 474.0 | 0.0 | 140.5 | 5.5 | 271.0 |
| 05/13/81 | 68.00 | 36.00 | 0 | 85.00 | 668.00 | .20 | 12.0 | 486.0 | 2.0 | 142.5 | 9.0 | 280.0 |
| 05/14/81 | 72.00 | 42.00 | 0 | 53.00 | 688.00 | .27 | 17.0 | 503.0 | 7.0 | 149.5 | 11.0 | 291.0 |
| 05/15/81 | 77.00 | 45.00 | 0 | 41.00 | 617.00 | .27 | 21.0 | 524.0 | 11.0 | 160.5 | 13.5 | 304.5 |
| 05/16/81 | 76.00 | 51.00 | 0 | 45.00 | 420.00 | .24 | 23.5 | 547.5 | 13.5 | 174.0 | 13.5 | 318.0 |
| 05/17/81 | 72.00 | 47.00 | .01 | 131.00 | 232.00 | .27 | 19.5 | 567.0 | 9.5 | 183.5 | 11.0 | 329.0 |
| 05/18/81 | 67.00 | 40.00 | 0 | 131.00 | 687.00 | .12 | 13.5 | 588.5 | 3.5 | 187.0 | 8.5 | 337.5 |
| 05/19/81 | 74.00 | 38.00 | 0 | 53.00 | 718.00 | .32 | 16.0 | 596.5 | 6.0 | 193.0 | 12.0 | 349.5 |
| 05/20/81 | 79.00 | 49.00 | 0 | 67.00 | 707.00 | .27 | 24.0 | 620.5 | 14.0 | 207.0 | 14.5 | 364.0 |
| 05/21/81 | 81.00 | 55.00 | 0 | 107.00 | 689.00 | .38 | 28.0 | 648.5 | 18.0 | 225.0 | 18.0 | 382.0 |
| 05/22/81 | 81.00 | 60.00 | .01 | 180.00 | 426.00 | .44 | 30.5 | 679.0 | 20.5 | 245.5 | 20.5 | 402.5 |
| 05/23/81 | 74.00 | 60.00 | .12 | 158.00 | 327.00 | .27 | 27.0 | 706.0 | 17.0 | 262.5 | 17.0 | 419.5 |
| 05/24/81 | 68.00 | 50.00 | .36 | 125.00 | 181.00 | .13 | 19.0 | 725.0 | 9.0 | 271.5 | 9.0 | 428.5 |
| 05/25/81 | 60.00 | 49.00 | .05 | 102.00 | 176.00 | .11 | 14.5 | 739.5 | 4.5 | 276.0 | 5.0 | 433.5 |
| 05/26/81 | 64.00 | 54.00 | 0 | 53.00 | 182.00 | .01 | 19.0 | 758.5 | 9.0 | 285.0 | 9.0 | 442.5 |
| 05/27/81 | 71.00 | 52.00 | 0 | 60.00 | 396.00 | .09 | 21.5 | 780.0 | 11.5 | 296.5 | 11.5 | 454.0 |
| 05/28/81 | 72.00 | 51.00 | .34 | 39.00 | 204.00 | .09 | 21.5 | 801.5 | 11.5 | 308.0 | 11.5 | 465.5 |
| 05/29/81 | 76.00 | 59.00 | 0 | 25.00 | 574.00 | .06 | 27.5 | 829.0 | 17.5 | 325.5 | 17.5 | 483.0 |
| 05/30/81 | 71.00 | 51.00 | 0 | 104.00 | 702.00 | .35 | 21.0 | 850.0 | 11.0 | 336.5 | 11.0 | 494.0 |
| 05/31/81 | 75.00 | 45.00 | .02 | 63.00 | 562.00 | .26 | 20.0 | 870.0 | 10.0 | 346.5 | 12.5 | 506.5 |
| 06/01/81 | 81.00 | 61.00 | 0 | 149.00 | 483.00 | .27 | 31.0 | 901.0 | 21.0 | 367.5 | 21.0 | 527.5 |
| 06/02/81 | 80.00 | 59.00 | .18 | 145.00 | 292.00 | .30 | 29.5 | 930.5 | 19.5 | 387.0 | 19.5 | 547.0 |
| 06/03/81 | 74.00 | 55.00 | 0 | 118.00 | 349.00 | .13 | 24.5 | 955.0 | 14.5 | 401.5 | 14.5 | 561.5 |
| 06/04/81 | 77.00 | 51.00 | 0 | 57.00 | 666.00 | .13 | 24.0 | 979.0 | 14.0 | 415.5 | 14.0 | 575.5 |

| | | | | | | | | | | | | |
|----------|-------|-------|------|--------|--------|-----|------|--------|------|--------|------|--------|
| 06/05/81 | 81.00 | 62.00 | 0 | 118.00 | 591.00 | .31 | 31.5 | 1010.5 | 21.5 | 437.0 | 21.5 | 597.0 |
| 06/06/81 | 82.00 | 56.00 | 0 | 120.00 | 742.00 | .42 | 29.0 | 1039.5 | 19.0 | 456.0 | 19.0 | 616.0 |
| 06/07/81 | 87.00 | 59.00 | .23 | 61.00 | 497.00 | .39 | 33.0 | 1072.5 | 23.0 | 479.0 | 22.5 | 638.5 |
| 06/08/81 | 87.00 | 57.00 | .06 | 104.00 | 335.00 | .34 | 32.0 | 1104.5 | 22.0 | 501.0 | 21.5 | 660.0 |
| 06/09/81 | 70.00 | 58.00 | 0 | 76.00 | 315.00 | .15 | 24.0 | 1128.5 | 14.0 | 515.0 | 14.0 | 674.0 |
| 06/10/81 | 75.00 | 52.00 | .11 | 110.00 | 660.00 | .16 | 23.5 | 1152.0 | 13.5 | 528.5 | 13.5 | 687.5 |
| 06/11/81 | 78.00 | 56.00 | .09 | 78.00 | 448.00 | .30 | 27.0 | 1179.0 | 17.0 | 545.5 | 17.0 | 704.5 |
| 06/12/81 | 77.00 | 59.00 | .42 | 50.00 | 402.00 | .14 | 28.0 | 1207.0 | 18.0 | 563.5 | 18.0 | 722.5 |
| 06/13/81 | 82.00 | 64.00 | .84 | 111.00 | 231.00 | .14 | 33.0 | 1240.0 | 23.0 | 586.5 | 23.0 | 745.5 |
| 06/14/81 | 83.00 | 64.00 | 1.86 | 111.00 | 228.00 | .17 | 33.5 | 1273.5 | 23.5 | 610.0 | 23.5 | 769.0 |
| 06/15/81 | 75.00 | 58.00 | 0 | 76.00 | 432.00 | .14 | 26.5 | 1300.0 | 16.5 | 626.5 | 16.5 | 785.5 |
| 06/16/81 | 71.00 | 50.00 | 0 | 157.00 | 648.00 | .24 | 20.5 | 1320.5 | 10.5 | 637.0 | 10.5 | 796.0 |
| 06/17/81 | 81.00 | 55.00 | 0 | 142.00 | 532.00 | .20 | 28.0 | 1348.5 | 18.0 | 655.0 | 18.0 | 814.0 |
| 06/18/81 | 79.00 | 59.00 | 0 | 151.00 | 655.00 | .40 | 29.0 | 1377.5 | 19.0 | 674.0 | 19.0 | 833.0 |
| 06/19/81 | 68.00 | 49.00 | .02 | 59.00 | 307.00 | .33 | 18.5 | 1396.0 | 8.5 | 682.5 | 9.0 | 842.0 |
| 06/20/81 | 68.00 | 54.00 | .04 | 116.00 | 459.00 | .09 | 21.0 | 1417.0 | 11.0 | 693.5 | 11.0 | 853.0 |
| 06/21/81 | 70.00 | 54.00 | .40 | 39.00 | 161.00 | .08 | 22.0 | 1439.0 | 12.0 | 705.5 | 12.0 | 865.0 |
| 06/22/81 | 67.00 | 53.00 | .16 | 88.00 | 364.00 | .13 | 20.0 | 1459.0 | 10.0 | 715.5 | 10.0 | 875.0 |
| 06/23/81 | 68.00 | 51.00 | .13 | 73.00 | 252.00 | .13 | 19.5 | 1478.5 | 9.5 | 725.0 | 9.5 | 884.5 |
| 06/24/81 | 75.00 | 61.00 | .08 | 126.00 | 592.00 | .08 | 28.0 | 1506.5 | 18.0 | 743.0 | 18.0 | 902.5 |
| 06/25/81 | 76.00 | 57.00 | 0 | 111.00 | 701.00 | .33 | 26.5 | 1533.0 | 16.5 | 759.5 | 16.5 | 919.0 |
| 06/26/81 | 80.00 | 54.00 | 0 | 42.00 | 719.00 | .34 | 27.0 | 1560.0 | 17.0 | 776.5 | 17.0 | 936.0 |
| 06/27/81 | 80.00 | 62.00 | 0 | 116.00 | 384.00 | .30 | 31.0 | 1591.0 | 21.0 | 797.5 | 21.0 | 957.0 |
| 06/28/81 | 80.00 | 68.00 | .50 | 131.00 | 197.00 | .22 | 34.0 | 1625.0 | 24.0 | 821.5 | 24.0 | 981.0 |
| 06/29/81 | 78.00 | 67.00 | .28 | 65.00 | 523.00 | 0 | 32.5 | 1657.5 | 22.5 | 844.0 | 22.5 | 1003.5 |
| 06/30/81 | 80.00 | 56.00 | 0 | 63.00 | 705.00 | .27 | 28.0 | 1685.5 | 18.0 | 862.0 | 18.0 | 1021.5 |
| 07/01/81 | 80.00 | 60.00 | 0 | 74.00 | 740.00 | .29 | 30.0 | 1715.5 | 20.0 | 882.0 | 20.0 | 1041.5 |
| 07/02/81 | 82.00 | 59.00 | 0 | 85.00 | 669.00 | .35 | 30.5 | 1746.0 | 20.5 | 902.5 | 20.5 | 1062.0 |
| 07/03/81 | 83.00 | 68.00 | 0 | 71.00 | 442.00 | .26 | 35.5 | 1781.5 | 25.5 | 928.0 | 25.5 | 1087.5 |
| 07/04/81 | 84.00 | 65.00 | .02 | 35.00 | 543.00 | .15 | 34.5 | 1816.0 | 24.5 | 952.5 | 24.5 | 1112.0 |
| 07/05/81 | 88.00 | 60.00 | 0 | 30.00 | 727.00 | .28 | 34.0 | 1850.0 | 24.0 | 976.5 | 23.0 | 1135.0 |
| 07/06/81 | 91.00 | 64.00 | 0 | 30.00 | 716.00 | .29 | 37.5 | 1887.5 | 27.5 | 1004.0 | 25.0 | 1160.0 |
| 07/07/81 | 90.00 | 72.00 | 0 | 109.00 | 654.00 | .37 | 41.0 | 1928.5 | 31.0 | 1035.0 | 29.0 | 1189.0 |
| 07/08/81 | 90.00 | 74.00 | 0 | 137.00 | 577.00 | .40 | 42.0 | 1970.5 | 32.0 | 1067.0 | 30.0 | 1219.0 |
| 07/09/81 | 89.00 | 55.00 | 0 | 163.00 | 685.00 | .36 | 32.0 | 2002.5 | 22.0 | 1089.0 | 20.5 | 1239.5 |
| 07/10/81 | 88.00 | 57.00 | 0 | 48.00 | 677.00 | .32 | 32.5 | 2035.0 | 22.5 | 1111.5 | 21.5 | 1261.0 |
| 07/11/81 | 87.00 | 65.00 | 2.06 | 102.00 | 433.00 | .35 | 36.0 | 2071.0 | 26.0 | 1137.5 | 25.5 | 1286.5 |
| 07/12/81 | 83.00 | 69.00 | .01 | 77.00 | 238.00 | .16 | 36.0 | 2107.0 | 26.0 | 1163.5 | 26.0 | 1312.5 |
| 07/13/81 | 86.00 | 68.00 | 0 | 48.00 | 560.00 | .08 | 37.0 | 2144.0 | 27.0 | 1190.5 | 27.0 | 1339.5 |
| 07/14/81 | 83.00 | 65.00 | .01 | 111.00 | 278.00 | .36 | 34.0 | 2178.0 | 24.0 | 1214.5 | 24.0 | 1363.5 |
| 07/15/81 | 73.00 | 58.00 | .65 | 105.00 | 192.00 | .27 | 25.5 | 2203.5 | 15.5 | 1230.0 | 15.5 | 1379.0 |
| 07/16/81 | 81.00 | 59.00 | 0 | 19.00 | 545.00 | .06 | 30.0 | 2233.5 | 20.0 | 1250.0 | 20.0 | 1399.0 |
| 07/17/81 | 89.00 | 65.00 | 0 | 42.00 | 574.00 | .20 | 37.0 | 2270.5 | 27.0 | 1277.0 | 25.5 | 1424.5 |
| 07/18/81 | 88.00 | 63.00 | 0 | 30.00 | 641.00 | .30 | 35.5 | 2306.0 | 25.5 | 1302.5 | 24.5 | 1449.0 |
| 07/19/81 | 87.00 | 66.00 | 0 | 12.00 | 566.00 | .25 | 36.5 | 2342.5 | 26.5 | 1329.0 | 26.0 | 1475.0 |
| 07/20/81 | 87.00 | 67.00 | .10 | 73.00 | 487.00 | .25 | 37.0 | 2379.5 | 27.0 | 1356.0 | 26.5 | 1501.5 |
| 07/21/81 | 72.00 | 59.00 | .08 | 65.00 | 276.00 | .29 | 25.5 | 2405.0 | 15.5 | 1371.5 | 15.5 | 1517.0 |
| 07/22/81 | 74.00 | 56.00 | 0 | 86.00 | 345.00 | .16 | 25.0 | 2430.0 | 15.0 | 1386.5 | 15.0 | 1532.0 |
| 07/23/81 | 78.00 | 63.00 | 0 | 109.00 | 313.00 | .14 | 30.5 | 2460.5 | 20.5 | 1407.0 | 20.5 | 1552.5 |
| 07/24/81 | 79.00 | 59.00 | 1.50 | 84.00 | 245.00 | .32 | 29.0 | 2489.5 | 19.0 | 1426.0 | 19.0 | 1571.5 |
| 07/25/81 | 74.00 | 62.00 | 0 | 66.00 | +97.00 | .20 | 28.0 | 2517.5 | 19.0 | 1444.0 | 18.0 | 1589.5 |
| 07/26/81 | 73.00 | 57.00 | 0 | 56.00 | 431.00 | .24 | 25.0 | 2542.5 | 15.0 | 1459.0 | 15.0 | 1604.5 |
| 07/27/81 | 74.00 | 53.00 | 0 | 42.00 | 342.00 | .18 | 23.5 | 2566.0 | 13.5 | 1472.5 | 13.5 | 1618.0 |
| 07/28/81 | 74.00 | 52.00 | .09 | 25.00 | +96.00 | .12 | 23.0 | 2589.0 | 13.0 | 1485.5 | 13.0 | 1631.0 |
| 07/29/81 | 74.00 | 53.00 | 0 | 69.00 | 557.00 | .18 | 23.5 | 2612.5 | 13.5 | 1499.0 | 13.5 | 1644.5 |
| 07/30/81 | 74.00 | 63.00 | 0 | 132.00 | +45.00 | .28 | 28.5 | 2641.0 | 18.5 | 1517.5 | 18.5 | 1663.0 |
| 07/31/81 | 85.00 | 68.00 | 0 | 158.00 | 325.00 | .25 | 36.5 | 2677.5 | 26.5 | 1544.0 | 26.5 | 1689.5 |
| 08/01/81 | 82.00 | 65.00 | .50 | 71.00 | 161.00 | .14 | 33.5 | 2711.0 | 23.5 | 1567.5 | 23.5 | 1713.0 |
| 08/02/81 | 82.00 | 66.00 | 0 | 48.00 | 361.00 | .18 | 34.0 | 2745.0 | 24.0 | 1591.5 | 24.0 | 1737.0 |
| 08/03/81 | 85.00 | 66.00 | 0 | 52.00 | 417.00 | .12 | 35.5 | 2780.5 | 25.5 | 1617.0 | 25.5 | 1762.5 |
| 08/04/81 | 84.00 | 63.00 | 0 | 77.00 | 598.00 | .22 | 33.5 | 2814.0 | 23.5 | 1640.5 | 23.5 | 1786.0 |
| 08/05/81 | 83.00 | 68.00 | .09 | 89.00 | 496.00 | .27 | 35.5 | 2849.5 | 25.5 | 1666.0 | 25.5 | 1811.5 |
| 08/06/81 | 80.00 | 64.00 | .16 | 126.00 | 553.00 | .13 | 32.0 | 2881.5 | 22.0 | 1688.0 | 22.0 | 1833.5 |
| 08/07/81 | 74.00 | 63.00 | .27 | 145.00 | 378.00 | .35 | 28.5 | 2910.0 | 18.5 | 1706.5 | 18.5 | 1852.0 |
| 08/08/81 | 79.00 | 58.00 | .12 | 36.00 | 455.00 | .16 | 28.5 | 2938.5 | 19.5 | 1725.0 | 18.5 | 1870.5 |
| 08/09/81 | 77.00 | 59.00 | 0 | 87.00 | 442.00 | .18 | 28.0 | 2966.5 | 18.0 | 1743.0 | 18.0 | 1888.5 |
| 08/10/81 | 76.00 | 54.00 | 0 | 88.00 | 577.00 | .22 | 25.0 | 2991.5 | 15.0 | 1758.0 | 15.0 | 1903.5 |
| 08/11/81 | 83.00 | 61.00 | .05 | 66.00 | 594.00 | .23 | 32.0 | 3023.5 | 22.0 | 1780.0 | 22.0 | 1925.5 |
| 08/12/81 | 89.00 | 65.00 | 0 | 82.00 | 509.00 | .26 | 37.0 | 3060.5 | 27.0 | 1807.0 | 25.5 | 1951.0 |
| 08/13/81 | 89.00 | 68.00 | 0 | 81.00 | 535.00 | .25 | 38.5 | 3099.0 | 28.5 | 1835.5 | 27.0 | 1978.0 |
| 08/14/81 | 84.00 | 67.00 | .19 | 96.00 | 177.00 | .27 | 35.5 | 3134.5 | 25.5 | 1861.0 | 25.5 | 2003.5 |
| 08/15/81 | 78.00 | 64.00 | 0 | 70.00 | 597.00 | .06 | 31.0 | 3165.5 | 21.0 | 1882.0 | 21.0 | 2024.5 |
| 08/16/81 | 76.00 | 54.00 | 0 | 98.00 | 577.00 | .33 | 25.0 | 3190.5 | 15.0 | 1897.0 | 15.0 | 2039.5 |
| 08/17/81 | 75.00 | 50.00 | 0 | 46.00 | 634.00 | .24 | 22.5 | 3213.0 | 12.5 | 1909.5 | 12.5 | 2052.0 |
| 08/18/81 | 76.00 | 51.00 | 0 | 26.00 | 592.00 | .25 | 23.5 | 3236.5 | 13.5 | 1923.0 | 13.5 | 2065.5 |

| | | | | | | | | | | | | |
|----------|-------|-------|------|--------|--------|-----|------|--------|------|--------|------|--------|
| 08/13/81 | 78.00 | 52.00 | 0 | 34.00 | 578.00 | +22 | 25.0 | 3261.5 | 15.0 | 1938.0 | 15.0 | 2080.5 |
| 08/20/81 | 77.00 | 55.00 | 0 | 50.00 | 589.00 | -23 | 26.0 | 3287.5 | 16.0 | 1954.0 | 16.0 | 2096.5 |
| 08/21/81 | 77.00 | 58.00 | 0 | 85.00 | 362.00 | +28 | 27.5 | 3315.0 | 17.5 | 1971.5 | 17.5 | 2114.0 |
| 08/22/81 | 78.00 | 63.00 | 0 | 138.00 | 303.00 | +22 | 30.5 | 3345.5 | 20.5 | 1992.0 | 20.5 | 2134.5 |
| 08/23/81 | 81.00 | 66.00 | -.26 | 88.00 | 321.00 | +15 | 33.5 | 3379.0 | 23.5 | 2015.5 | 23.5 | 2158.0 |
| 08/24/81 | 81.00 | 65.00 | -.21 | 52.00 | 324.00 | +11 | 33.0 | 3412.0 | 23.0 | 2038.5 | 23.0 | 2181.0 |
| 08/25/81 | 80.00 | 65.00 | -.96 | 39.00 | 141.00 | +23 | 32.5 | 3444.5 | 22.5 | 2061.0 | 22.5 | 2203.5 |
| 08/26/81 | 72.00 | 63.00 | 1.30 | 75.00 | 106.00 | -07 | 27.5 | 3472.0 | 17.5 | 2078.5 | 17.5 | 2221.0 |
| 08/27/81 | 69.00 | 62.00 | 1.68 | 97.00 | 111.00 | 0 | 25.5 | 3497.5 | 15.5 | 2094.0 | 15.5 | 2236.5 |
| 08/28/81 | 70.00 | 58.00 | -.02 | 94.00 | 122.00 | -06 | 24.0 | 3521.5 | 14.0 | 2108.0 | 14.0 | 2250.5 |
| 08/29/81 | 71.00 | 61.00 | -.07 | 15.00 | 191.00 | +14 | 26.0 | 3547.5 | 16.0 | 2124.0 | 16.0 | 2266.5 |
| 08/30/81 | 79.00 | 57.00 | 0 | 39.00 | 430.00 | +07 | 28.0 | 3575.5 | 18.0 | 2142.0 | 18.0 | 2284.5 |
| 08/31/81 | 82.00 | 68.00 | 0 | 145.00 | 320.00 | +18 | 35.0 | 3618.5 | 25.0 | 2167.0 | 25.0 | 2309.5 |
| 09/01/81 | 77.00 | 55.00 | 0 | 131.00 | 207.00 | -24 | 26.0 | 3636.5 | 16.0 | 2183.0 | 16.0 | 2325.5 |
| 09/02/81 | 73.00 | 47.00 | 0 | 179.00 | 538.00 | +09 | 20.0 | 3656.5 | 10.0 | 2193.0 | 11.5 | 2337.0 |
| 09/03/81 | 72.00 | 54.00 | 0 | 73.00 | 281.00 | -19 | 23.0 | 3679.5 | 13.0 | 2206.0 | 13.0 | 2350.0 |
| 09/04/81 | 69.00 | 48.00 | 0 | 86.00 | 479.00 | +13 | 18.5 | 3698.0 | 8.5 | 2214.5 | 9.5 | 2359.5 |
| 09/05/81 | 71.00 | 50.00 | 0 | 55.00 | 499.00 | +15 | 20.5 | 3718.5 | 10.5 | 2225.0 | 10.5 | 2370.0 |
| 09/06/81 | 79.00 | 55.00 | 0 | 102.00 | 486.00 | +16 | 27.0 | 3745.5 | 17.0 | 2242.0 | 17.0 | 2387.0 |
| 09/07/81 | 79.00 | 59.00 | -.24 | 152.00 | 424.00 | +21 | 29.0 | 3774.5 | 19.0 | 2261.0 | 19.0 | 2406.0 |
| 09/08/81 | 74.00 | 53.00 | 0 | 89.00 | 468.00 | +24 | 23.5 | 3798.0 | 13.5 | 2274.5 | 13.5 | 2419.5 |
| 09/09/81 | 86.00 | 55.00 | 0 | 74.00 | 504.00 | +22 | 30.5 | 3828.5 | 20.5 | 2295.0 | 20.5 | 2440.0 |
| 09/10/81 | 88.00 | 57.00 | 0 | 27.00 | 486.00 | +19 | 32.5 | 3861.0 | 22.5 | 2317.5 | 21.5 | 2461.5 |
| 09/11/81 | 87.00 | 64.00 | 0 | 72.00 | 483.00 | +21 | 35.5 | 3896.5 | 25.5 | 2343.0 | 25.0 | 2486.5 |
| 09/12/81 | 79.00 | 51.00 | 0 | 49.00 | 490.00 | +26 | 25.0 | 3921.5 | 15.0 | 2358.0 | 15.0 | 2501.5 |
| 09/13/81 | 84.00 | 55.00 | 0 | 54.00 | 484.00 | +28 | 29.5 | 3951.0 | 19.5 | 2377.5 | 19.5 | 2521.0 |
| 09/14/81 | 72.00 | 53.00 | 0 | 84.00 | 419.00 | +29 | 22.5 | 3973.5 | 12.5 | 2390.0 | 12.5 | 2533.5 |
| 09/15/81 | 68.00 | 48.00 | 0 | 90.00 | 357.00 | -19 | 18.0 | 3991.5 | 8.0 | 2398.0 | 9.0 | 2542.5 |
| 09/16/81 | 62.00 | 44.00 | -.02 | 102.00 | 308.00 | -19 | 13.0 | 4004.5 | 3.0 | 2401.0 | 6.0 | 2548.5 |
| 09/17/81 | 59.00 | 40.00 | 0 | 54.00 | 347.00 | +09 | 9.5 | 4014.0 | 0.0 | 2401.0 | 4.5 | 2553.0 |
| 09/18/81 | 68.00 | 43.00 | 0 | 55.00 | 380.00 | +14 | 15.5 | 4029.5 | 5.5 | 2406.5 | 9.0 | 2562.0 |
| 09/19/81 | 71.00 | 49.00 | 0 | 73.00 | 462.00 | +15 | 20.0 | 4049.5 | 10.0 | 2416.5 | 10.5 | 2572.5 |
| 09/20/81 | 72.00 | 44.00 | 0 | 25.00 | 442.00 | +18 | 18.0 | 4067.5 | 8.0 | 2424.5 | 11.0 | 2583.5 |
| 09/21/81 | 70.00 | 49.00 | +.42 | 82.00 | 350.00 | -19 | 19.5 | 4087.0 | 9.5 | 2434.0 | 10.0 | 2593.5 |
| 09/22/81 | 63.00 | 40.00 | 0 | 81.00 | 362.00 | +14 | 11.5 | 4098.5 | 1.5 | 2435.5 | 6.5 | 2600.0 |
| 09/23/81 | 59.00 | 45.00 | -.08 | 126.00 | 112.00 | +15 | 12.0 | 4110.5 | 2.0 | 2437.5 | 4.5 | 2604.5 |
| 09/24/81 | 66.00 | 50.00 | -.01 | 98.00 | 195.00 | +03 | 18.0 | 4128.5 | 8.0 | 2445.5 | 8.0 | 2612.5 |
| 09/25/81 | 65.00 | 57.00 | -.08 | 82.00 | 89.00 | +04 | 21.0 | 4149.5 | 11.0 | 2456.5 | 11.0 | 2623.5 |
| 09/26/81 | 69.00 | 56.00 | -.30 | 158.00 | 146.00 | +03 | 22.5 | 4172.0 | 12.5 | 2469.0 | 12.5 | 2636.0 |
| 09/27/81 | 54.00 | 49.00 | 0 | 200.00 | 270.00 | +15 | 11.5 | 4183.5 | 1.5 | 2470.5 | 2.0 | 2638.0 |
| 09/28/81 | 60.00 | 33.00 | 0 | 35.00 | 367.00 | +16 | 6.5 | 4190.0 | 0.0 | 2470.5 | 5.0 | 2643.0 |
| 09/29/81 | 65.00 | 46.00 | -.05 | 139.00 | 320.00 | +15 | 15.5 | 4205.5 | 5.5 | 2476.0 | 7.5 | 2650.5 |
| 09/30/81 | 63.00 | 50.00 | -.09 | 143.00 | 55.00 | +11 | 16.5 | 4222.0 | 6.5 | 2482.5 | 6.5 | 2657.0 |
| 10/01/81 | 54.00 | 38.00 | -.09 | 236.00 | 222.00 | +09 | 6.0 | 4228.0 | 0.0 | 2482.5 | 2.0 | 2659.0 |
| 10/02/81 | 55.00 | 28.00 | 0 | 39.00 | +16.00 | +06 | 1.5 | 4229.5 | 0.0 | 2482.5 | 2.5 | 2661.5 |
| 10/03/81 | 54.00 | 40.00 | -.17 | 137.00 | 149.00 | +15 | 7.0 | 4236.5 | 0.0 | 2482.5 | 2.0 | 2663.5 |
| 10/04/81 | 55.00 | 43.00 | -.57 | 125.00 | 85.00 | +05 | 9.0 | 4245.5 | 0.0 | 2482.5 | 2.5 | 2666.0 |
| 10/05/81 | 55.00 | 50.00 | -.27 | 11.00 | 64.00 | +03 | 12.5 | 4258.0 | 2.5 | 2485.0 | 2.5 | 2668.5 |
| 10/06/81 | 54.00 | 42.00 | -.09 | 148.00 | 331.00 | +02 | 8.0 | 4266.8 | 0.0 | 2485.0 | 2.0 | 2670.5 |
| 10/07/81 | 60.00 | 35.00 | 0 | 33.00 | 391.00 | +12 | 7.5 | 4273.5 | 0.0 | 2485.0 | 5.0 | 2675.5 |
| 10/08/81 | 62.00 | 41.00 | 0 | 85.00 | 365.00 | +12 | 11.5 | 4285.0 | 1.5 | 2486.5 | 6.0 | 2681.5 |
| 10/09/81 | 61.00 | 42.00 | 0 | 136.00 | 106.00 | +20 | 11.5 | 4296.5 | 1.5 | 2488.0 | 5.5 | 2687.0 |
| 10/10/81 | 59.00 | 47.00 | -.13 | 67.00 | 152.00 | 0 | 13.0 | 4309.5 | 3.0 | 2491.0 | 4.5 | 2691.5 |
| 10/11/81 | 59.00 | 43.00 | 0 | 72.00 | 348.00 | 0 | 11.0 | 4320.5 | 1.0 | 2492.0 | 4.5 | 2696.0 |
| 10/12/81 | 63.00 | 48.00 | 0 | 158.00 | 170.00 | 0 | 15.5 | 4336.8 | 5.5 | 2497.5 | 6.5 | 2702.5 |
| 10/13/81 | 61.00 | 55.00 | +.07 | 176.00 | 37.00 | 0 | 18.0 | 4354.0 | 8.0 | 2505.5 | 8.0 | 2710.5 |
| 10/14/81 | 62.00 | 49.00 | +.42 | 95.00 | 102.00 | 0 | 15.5 | 4369.5 | 5.5 | 2511.0 | 6.0 | 2716.5 |
| 10/15/81 | 57.00 | 42.00 | -.02 | 97.00 | 324.00 | 0 | 9.5 | 4379.8 | 0.0 | 2511.0 | 3.5 | 2720.0 |
| 10/16/81 | 64.00 | 39.00 | 0 | 59.00 | 338.00 | 0 | 11.5 | 4390.5 | 1.5 | 2512.5 | 7.0 | 2727.0 |
| 10/17/81 | 61.00 | 49.00 | -.67 | 93.00 | 43.00 | 0 | 15.0 | 4405.5 | 5.0 | 2517.5 | 5.5 | 2732.5 |
| 10/18/81 | 51.00 | 36.00 | -.13 | 296.00 | 197.00 | 0 | 3.5 | 4409.8 | 0.0 | 2517.5 | .5 | 2733.0 |
| 10/19/81 | 64.00 | 27.00 | 0 | 144.00 | 324.00 | 0 | 5.5 | 4414.5 | 0.0 | 2517.5 | 7.0 | 2740.0 |
| 10/20/81 | 63.00 | 44.00 | 0 | 110.00 | 254.00 | 0 | 13.5 | 4428.0 | 3.5 | 2521.0 | 6.5 | 2746.5 |
| 10/21/81 | 50.00 | 32.00 | 0 | 50.00 | 125.00 | 0 | 1.0 | 4429.0 | 0.0 | 2521.0 | 0.0 | 2746.5 |
| 10/22/81 | 42.00 | 26.00 | 0 | 146.00 | 305.00 | 0 | 0.0 | 4429.0 | 0.0 | 2521.0 | 0.0 | 2746.5 |
| 10/23/81 | 34.00 | 22.00 | 0 | 174.00 | 210.00 | 0 | 0.0 | 4429.0 | 0.0 | 2521.0 | 0.0 | 2746.5 |
| 10/24/81 | 33.00 | 22.00 | -.04 | 133.00 | 82.00 | 0 | 0.0 | 4429.0 | 0.0 | 2521.0 | 0.0 | 2746.5 |
| 10/25/81 | 37.00 | 28.00 | 0 | 76.00 | 240.00 | 0 | 0.0 | 4429.0 | 0.0 | 2521.0 | 0.0 | 2746.5 |
| 10/26/81 | 50.00 | 24.00 | 0 | 71.00 | 342.00 | 0 | 0.0 | 4429.0 | 0.0 | 2521.0 | 0.0 | 2746.5 |
| 10/27/81 | 59.00 | 33.00 | 0 | 68.00 | 315.00 | 0 | 6.0 | 4435.8 | 0.0 | 2521.0 | 4.5 | 2751.0 |
| 10/28/81 | 58.00 | 38.00 | 0 | 76.00 | 142.00 | 0 | 8.0 | 4443.0 | 0.0 | 2521.0 | 4.0 | 2755.0 |
| 10/29/81 | 61.00 | 45.00 | 0 | 187.00 | 194.00 | 0 | 13.0 | 4456.0 | 3.0 | 2524.0 | 5.5 | 2760.5 |
| 10/30/81 | 63.00 | 51.00 | 0 | 227.00 | 106.00 | 0 | 17.0 | 4473.0 | 7.0 | 2531.0 | 7.0 | 2767.5 |
| 10/31/81 | 62.00 | 43.00 | 0 | 83.00 | 273.00 | 0 | 12.5 | 4485.5 | 2.5 | 2533.5 | 6.0 | 2773.5 |

LOCATION: WASECA

DEGREE DAYS

| DATE | MAXTEMP | MINTEMP | PRECIP | WIND | SOLAR | PAN | SOILMAX | SOILMIN | BASE = 45 | | BASE = 50 | | BASE = 50/86 | |
|----------|---------|---------|--------|--------|--------|-----|---------|---------|-----------|-------|-----------|-------|--------------|--------|
| | | | | | | | | | DAILY | ACCUM | DAILY | ACCUM | DAILY | ACCUM |
| | | | | | | | | | 04/01/81 | 59.00 | 37.00 | .10 | 506.00 | 432.00 |
| 04/02/81 | 52.00 | 39.00 | 0 | 245.00 | 518.00 | | 46.00 | 41.00 | .5 | 3.5 | 0.0 | 0.0 | 1.0 | 5.5 |
| 04/03/81 | 81.00 | 49.00 | .15 | 187.00 | 155.00 | | 54.00 | 40.00 | 20.0 | 23.5 | 15.0 | 15.0 | 15.5 | 21.0 |
| 04/04/81 | 68.00 | 30.00 | 2.00 | 255.00 | 144.00 | | 52.00 | 41.00 | 4.0 | 27.5 | 0.0 | 15.0 | 9.0 | 30.0 |
| 04/05/81 | 36.00 | 30.00 | 0 | 165.00 | 586.00 | | 42.00 | 38.00 | 0.0 | 27.5 | 0.0 | 15.0 | 0.0 | 30.0 |
| 04/06/81 | 45.00 | 29.00 | 0 | 120.00 | 565.00 | | 47.00 | 38.00 | 0.0 | 27.5 | 0.0 | 15.0 | 0.0 | 30.0 |
| 04/07/81 | 60.00 | 33.00 | 0 | 342.00 | 270.00 | | 47.00 | 38.00 | 1.5 | 29.0 | 0.0 | 15.0 | 5.0 | 35.0 |
| 04/08/81 | 59.00 | 41.00 | .10 | 129.00 | 332.00 | | 50.00 | 41.00 | 5.0 | 34.0 | 0.0 | 15.0 | 4.5 | 39.5 |
| 04/09/81 | 57.00 | 32.00 | 0 | 81.00 | 453.00 | | 51.00 | 41.00 | 0.0 | 34.0 | 0.0 | 15.0 | 3.5 | 43.0 |
| 04/10/81 | 60.00 | 30.00 | 0 | 334.00 | 414.00 | | 54.00 | 40.00 | 0.0 | 34.0 | 0.0 | 15.0 | 5.0 | 48.0 |
| 04/11/81 | 73.00 | 46.00 | 0 | 141.00 | 273.00 | | 63.00 | 48.00 | 14.5 | 48.5 | 9.5 | 24.5 | 11.5 | 59.5 |
| 04/12/81 | 61.00 | 42.00 | .15 | 202.00 | 440.00 | | 56.00 | 48.00 | 6.5 | 55.0 | 1.5 | 26.0 | 5.5 | 65.0 |
| 04/13/81 | 67.00 | 45.00 | .01 | 235.00 | 191.00 | | 59.00 | 48.00 | 11.0 | 66.0 | 6.0 | 32.0 | 8.5 | 73.5 |
| 04/14/81 | 63.00 | 28.00 | .06 | 194.00 | 639.00 | | 58.00 | 43.00 | .5 | 66.5 | 0.0 | 32.0 | 6.5 | 80.0 |
| 04/15/81 | 48.00 | 27.00 | 0 | 150.00 | 619.00 | | 53.00 | 41.00 | 0.0 | 66.5 | 0.0 | 32.0 | 0.0 | 80.0 |
| 04/16/81 | 63.00 | 37.00 | 0 | 343.00 | 131.00 | | 58.00 | 41.00 | 5.0 | 71.5 | 0.0 | 32.0 | 6.5 | 86.5 |
| 04/17/81 | 54.00 | 44.00 | .11 | 244.00 | 439.00 | .06 | 49.00 | 47.00 | 4.0 | 75.5 | 0.0 | 32.0 | 2.0 | 88.5 |
| 04/18/81 | 73.00 | 33.00 | 0 | 230.00 | 507.00 | .39 | 58.00 | 46.00 | 8.0 | 83.5 | 3.0 | 35.0 | 11.5 | 100.0 |
| 04/19/81 | 66.00 | 36.00 | .50 | 156.00 | 183.00 | .30 | 64.00 | 46.00 | 6.0 | 89.5 | 1.0 | 36.0 | 8.0 | 108.0 |
| 04/20/81 | 56.00 | 31.00 | 0 | 191.00 | 610.00 | .07 | 54.00 | 44.00 | 0.0 | 89.5 | 0.0 | 36.0 | 3.0 | 111.0 |
| 04/21/81 | 49.00 | 34.00 | 0 | 219.00 | 111.00 | .21 | 54.00 | 43.00 | 0.0 | 89.5 | 0.0 | 36.0 | 0.0 | 111.0 |
| 04/22/81 | 51.00 | 36.00 | .17 | 336.00 | 82.00 | 0 | 47.00 | 43.00 | 0.0 | 89.5 | 0.0 | 36.0 | .5 | 111.5 |
| 04/23/81 | 57.00 | 37.00 | .57 | 263.00 | 121.00 | .19 | 52.00 | 45.00 | 2.0 | 91.5 | 0.0 | 36.0 | 3.5 | 115.0 |
| 04/24/81 | 43.00 | 35.00 | 0 | 269.00 | 614.00 | .07 | 45.00 | 42.00 | 0.0 | 91.5 | 0.0 | 36.0 | 0.0 | 115.0 |
| 04/25/81 | 59.00 | 39.00 | 0 | 149.00 | 317.00 | .19 | 54.00 | 42.00 | 4.0 | 95.5 | 0.0 | 36.0 | 4.5 | 119.5 |
| 04/26/81 | 67.00 | 43.00 | 0 | 277.00 | 585.00 | .29 | 59.00 | 45.00 | 10.0 | 105.5 | 5.0 | 41.0 | 8.5 | 128.0 |
| 04/27/81 | 74.00 | 50.00 | 0 | 162.00 | 446.00 | .25 | 68.00 | 50.00 | 17.0 | 122.5 | 12.0 | 53.0 | 12.0 | 140.0 |
| 04/28/81 | 84.00 | 45.00 | .30 | 248.00 | 142.00 | .36 | 70.00 | 58.00 | 19.5 | 142.0 | 14.5 | 67.5 | 17.0 | 157.0 |
| 04/29/81 | 52.00 | 42.00 | .05 | 88.00 | 421.00 | .08 | 58.00 | 51.00 | 2.0 | 144.0 | 0.0 | 67.5 | 1.0 | 158.0 |
| 04/30/81 | 67.00 | 43.00 | .22 | 114.00 | 469.00 | .16 | 61.00 | 50.00 | 10.0 | 154.0 | 5.0 | 72.5 | 8.5 | 166.5 |
| 05/01/81 | 63.00 | 40.00 | .05 | 167.00 | 654.00 | .22 | 58.00 | 50.00 | 6.5 | 160.5 | 1.5 | 74.0 | 6.5 | 173.0 |
| 05/02/81 | 58.00 | 40.00 | 0 | 134.00 | 604.00 | .22 | 65.00 | 50.00 | 4.0 | 164.5 | 0.0 | 74.0 | 4.0 | 177.0 |
| 05/03/81 | 75.00 | 48.00 | .13 | 475.00 | 127.00 | .50 | 66.00 | 50.00 | 16.5 | 181.0 | 11.5 | 85.5 | 12.5 | 189.5 |
| 05/04/81 | 67.00 | 55.00 | 1.46 | 129.00 | 85.00 | .24 | 59.00 | 58.00 | 16.0 | 197.0 | 11.0 | 96.5 | 11.0 | 200.5 |
| 05/05/81 | 60.00 | 49.00 | .13 | 137.00 | 412.00 | .03 | 58.00 | 54.00 | 9.5 | 206.5 | 4.5 | 101.0 | 5.0 | 205.5 |
| 05/06/81 | 60.00 | 40.00 | 0 | 141.00 | 670.00 | .20 | 59.00 | 49.00 | 5.0 | 211.5 | 0.0 | 101.0 | 5.0 | 210.5 |
| 05/07/81 | 58.00 | 36.00 | 0 | 121.00 | 599.00 | .23 | 62.00 | 49.00 | 2.0 | 213.5 | 0.0 | 101.0 | 4.0 | 214.5 |
| 05/08/81 | 63.00 | 42.00 | 0 | 212.00 | 316.00 | .33 | 59.00 | 48.00 | 7.5 | 221.8 | 2.5 | 103.5 | 6.5 | 221.0 |
| 05/09/81 | 63.00 | 43.00 | .18 | 200.00 | 260.00 | .15 | 58.00 | 58.00 | 8.0 | 229.0 | 3.0 | 106.5 | 6.5 | 227.5 |
| 05/10/81 | 52.00 | 29.00 | 0 | 231.00 | 710.00 | .14 | 58.00 | 43.00 | 0.0 | 229.0 | 0.0 | 106.5 | 1.0 | 228.5 |
| 05/11/81 | 55.00 | 32.00 | 0 | 175.00 | 697.00 | .24 | 58.00 | 42.00 | 0.0 | 229.0 | 0.0 | 106.5 | 2.5 | 231.0 |
| 05/12/81 | 61.00 | 35.00 | 0 | 127.00 | 285.00 | .27 | 66.00 | 44.00 | 3.0 | 232.0 | 0.0 | 106.5 | 5.5 | 236.5 |
| 05/13/81 | 59.00 | 40.00 | .06 | 112.00 | 673.00 | .14 | 57.00 | 50.00 | 4.5 | 236.5 | 0.0 | 106.5 | 4.5 | 241.0 |
| 05/14/81 | 67.00 | 43.00 | 0 | 99.00 | 655.00 | .15 | 69.00 | 49.00 | 10.0 | 246.5 | 5.0 | 111.5 | 8.5 | 249.5 |
| 05/15/81 | 70.00 | 40.00 | 0 | 82.00 | 647.00 | .28 | 72.00 | 53.00 | 10.0 | 256.5 | 5.0 | 116.5 | 10.0 | 259.5 |
| 05/16/81 | 75.00 | 46.00 | 0 | 78.00 | 406.00 | .31 | 77.00 | 53.00 | 15.5 | 272.0 | 10.5 | 127.0 | 12.5 | 272.0 |
| 05/17/81 | 75.00 | 51.00 | 0 | 174.00 | 292.00 | .32 | 71.00 | 61.00 | 18.0 | 290.0 | 13.0 | 140.0 | 13.0 | 285.0 |
| 05/18/81 | 61.00 | 44.00 | .02 | 173.00 | 711.00 | .24 | 64.00 | 56.00 | 7.5 | 297.5 | 2.5 | 142.5 | 5.5 | 290.5 |
| 05/19/81 | 66.00 | 37.00 | 0 | 152.00 | 701.00 | .37 | 73.00 | 55.00 | 6.5 | 304.0 | 1.5 | 144.0 | 8.0 | 298.5 |
| 05/20/81 | 72.00 | 43.00 | 0 | 72.00 | 690.00 | .35 | 77.00 | 55.00 | 12.5 | 316.5 | 7.5 | 151.5 | 11.0 | 309.5 |
| 05/21/81 | 80.00 | 50.00 | 0 | 123.00 | 672.00 | .41 | 81.00 | 58.00 | 20.0 | 336.5 | 15.0 | 166.5 | 15.0 | 324.5 |
| 05/22/81 | 84.00 | 56.00 | .05 | 331.00 | 392.00 | .42 | 78.00 | 62.00 | 25.0 | 361.5 | 20.0 | 186.5 | 20.0 | 344.5 |
| 05/23/81 | 75.00 | 56.00 | .24 | 335.00 | 171.00 | .48 | 71.00 | 64.00 | 20.5 | 382.0 | 15.5 | 202.0 | 15.5 | 360.0 |
| 05/24/81 | 67.00 | 48.00 | 1.11 | 242.00 | 231.00 | .37 | 65.00 | 59.00 | 12.5 | 394.5 | 7.5 | 209.5 | 8.5 | 368.5 |
| 05/25/81 | 59.00 | 47.00 | .01 | 158.00 | 387.00 | .10 | 60.00 | 55.00 | 8.0 | 402.5 | 3.0 | 212.5 | 4.5 | 373.0 |
| 05/26/81 | 66.00 | 51.00 | 0 | 99.00 | 300.00 | .12 | 64.00 | 55.00 | 13.5 | 416.0 | 8.5 | 221.0 | 8.5 | 381.5 |
| 05/27/81 | 68.00 | 54.00 | 0 | 61.00 | 396.00 | .09 | 67.00 | 58.00 | 16.0 | 432.0 | 11.0 | 232.0 | 11.0 | 392.5 |
| 05/28/81 | 71.00 | 55.00 | .06 | 68.00 | 377.00 | .17 | 69.00 | 59.00 | 18.0 | 450.0 | 13.0 | 245.0 | 13.0 | 405.5 |
| 05/29/81 | 79.00 | 58.00 | .10 | 134.00 | 362.00 | .15 | 70.00 | 61.00 | 23.5 | 473.5 | 18.5 | 263.5 | 18.5 | 424.0 |
| 05/30/81 | 80.00 | 47.00 | 0 | 126.00 | 662.00 | .34 | 77.00 | 51.00 | 18.5 | 492.0 | 13.5 | 277.0 | 15.0 | 439.0 |
| 05/31/81 | 68.00 | 47.00 | 0 | 74.00 | 554.00 | .27 | 78.00 | 68.00 | 12.5 | 504.5 | 7.5 | 284.5 | 9.0 | 448.0 |
| 06/01/81 | 82.00 | 59.00 | 0 | 247.00 | 443.00 | .48 | 80.00 | 61.00 | 25.5 | 530.0 | 28.5 | 309.0 | 20.5 | 468.5 |
| 06/02/81 | 82.00 | 61.00 | .03 | 221.00 | 411.00 | .34 | 76.00 | 66.00 | 26.5 | 556.5 | 21.5 | 326.5 | 21.5 | 490.0 |
| 06/03/81 | 75.00 | 50.00 | .15 | 144.00 | 307.00 | .25 | 74.00 | 62.00 | 17.5 | 574.0 | 12.5 | 334.0 | 12.5 | 502.5 |
| 06/04/81 | 73.00 | 53.00 | 0 | 107.00 | 700.00 | .21 | 75.00 | 62.00 | 18.0 | 592.0 | 13.0 | 352.0 | 13.0 | 515.5 |

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|----------|-------|-------|------|--------|--------|------|-------|-------|------|--------|------|--------|------|--------|
| 06/05/81 | 84.00 | 58.00 | -.02 | 105.00 | 644.00 | -.36 | 84.00 | 62.00 | 26.0 | 618.0 | 21.0 | 373.0 | 21.0 | 536.5 |
| 06/06/81 | 82.00 | 54.00 | 0 | 114.00 | 436.00 | -.28 | 82.00 | 67.00 | 23.0 | 641.0 | 18.0 | 391.0 | 18.0 | 554.5 |
| 06/07/81 | 81.00 | 60.00 | 0 | 98.00 | 484.00 | -.36 | 86.00 | 67.00 | 25.5 | 666.5 | 20.5 | 411.5 | 20.5 | 575.0 |
| 06/08/81 | 93.00 | 57.00 | 0 | 191.00 | 267.00 | -.42 | 80.00 | 70.00 | 30.0 | 696.5 | 25.0 | 436.5 | 21.5 | 596.5 |
| 06/09/81 | 66.00 | 54.00 | +.20 | 67.00 | 194.00 | -.10 | 70.00 | 64.00 | 15.0 | 711.5 | 10.0 | 446.5 | 10.0 | 606.5 |
| 06/10/81 | 66.00 | 51.00 | -.10 | 131.00 | 660.00 | -.07 | 65.00 | 61.00 | 13.5 | 725.0 | 8.5 | 455.0 | 8.5 | 615.0 |
| 06/11/81 | 75.00 | 54.00 | 0 | 76.00 | 233.00 | -.26 | 72.00 | 60.00 | 19.5 | 744.5 | 14.5 | 469.5 | 14.5 | 629.5 |
| 06/12/81 | 78.00 | 58.00 | 0 | 99.00 | 463.00 | -.14 | 68.00 | 63.00 | 23.0 | 767.5 | 18.0 | 487.5 | 18.0 | 647.5 |
| 06/13/81 | 84.00 | 61.00 | -.39 | 196.00 | 445.00 | -.27 | 75.00 | 63.00 | 27.5 | 795.0 | 22.5 | 510.0 | 22.5 | 670.0 |
| 06/14/81 | 88.00 | 63.00 | -.46 | 245.00 | 265.00 | -.43 | 75.00 | 66.00 | 30.5 | 825.5 | 25.5 | 535.5 | 24.5 | 694.5 |
| 06/15/81 | 83.00 | 57.00 | -.85 | 153.00 | 442.00 | -.35 | 74.00 | 67.00 | 25.0 | 850.5 | 20.0 | 555.5 | 20.0 | 714.5 |
| 06/16/81 | 70.00 | 50.00 | 0 | 143.00 | 620.00 | -.19 | 70.00 | 61.00 | 15.0 | 865.5 | 10.0 | 565.5 | 10.0 | 724.5 |
| 06/17/81 | 73.00 | 50.00 | 0 | 141.00 | 595.00 | -.29 | 67.00 | 61.00 | 16.5 | 882.0 | 11.5 | 577.0 | 11.5 | 736.0 |
| 06/18/81 | 83.00 | 56.00 | 0 | 247.00 | 606.00 | -.47 | 70.00 | 61.00 | 24.5 | 906.5 | 19.5 | 596.5 | 19.5 | 755.5 |
| 06/19/81 | 70.00 | 48.00 | 0 | 109.00 | 449.00 | -.29 | 70.00 | 62.00 | 14.0 | 920.5 | 9.0 | 605.5 | 10.0 | 765.5 |
| 06/20/81 | 75.00 | 54.00 | 0 | 145.00 | 621.00 | -.20 | 70.00 | 62.00 | 19.5 | 940.0 | 14.5 | 620.0 | 14.5 | 780.0 |
| 06/21/81 | 72.00 | 54.00 | 0 | 106.00 | 208.00 | -.16 | 74.00 | 64.00 | 18.0 | 958.0 | 13.0 | 633.0 | 13.0 | 793.0 |
| 06/22/81 | 67.00 | 51.00 | -.18 | 78.00 | 510.00 | -.07 | 66.00 | 62.00 | 14.0 | 972.0 | 9.0 | 642.0 | 9.0 | 802.0 |
| 06/23/81 | 70.00 | 52.00 | 0 | 101.00 | 327.00 | -.18 | 68.00 | 61.00 | 16.0 | 988.0 | 11.0 | 653.0 | 11.0 | 813.0 |
| 06/24/81 | 78.00 | 54.00 | -.53 | 265.00 | 487.00 | -.32 | 68.00 | 61.00 | 21.0 | 1009.0 | 16.0 | 669.0 | 16.0 | 829.0 |
| 06/25/81 | 75.00 | 50.00 | 0 | 79.00 | 720.00 | -.09 | 72.00 | 62.00 | 17.5 | 1026.5 | 12.5 | 681.5 | 12.5 | 841.5 |
| 06/26/81 | 77.00 | 50.00 | 0 | 103.00 | 686.00 | -.33 | 75.00 | 62.00 | 18.5 | 1045.0 | 13.5 | 695.0 | 13.5 | 855.0 |
| 06/27/81 | 80.00 | 57.00 | 0 | 66.00 | 408.00 | -.30 | 84.00 | 63.00 | 23.5 | 1068.5 | 18.5 | 713.5 | 18.5 | 873.5 |
| 06/28/81 | 81.00 | 63.00 | 0 | 286.00 | 339.00 | -.35 | 77.00 | 69.00 | 27.0 | 1095.5 | 22.0 | 735.5 | 22.0 | 895.5 |
| 06/29/81 | 87.00 | 67.00 | -.95 | 131.00 | 571.00 | -.14 | 77.00 | 71.00 | 32.0 | 1127.5 | 27.0 | 762.5 | 26.5 | 922.0 |
| 06/30/81 | 76.00 | 56.00 | 0 | 69.00 | 708.00 | -.36 | 79.00 | 66.00 | 21.0 | 1148.5 | 16.0 | 778.5 | 16.0 | 938.0 |
| 07/01/81 | 79.00 | 58.00 | 0 | 103.00 | 700.00 | -.23 | 84.00 | 66.00 | 23.5 | 1172.0 | 18.5 | 797.0 | 18.5 | 956.5 |
| 07/02/81 | 80.00 | 59.00 | 0 | 116.00 | 631.00 | -.45 | 88.00 | 69.00 | 24.5 | 1196.5 | 19.5 | 816.5 | 19.5 | 976.0 |
| 07/03/81 | 83.00 | 62.00 | 0 | 106.00 | 282.00 | -.29 | 89.00 | 71.00 | 27.5 | 1224.0 | 22.5 | 839.0 | 22.5 | 998.5 |
| 07/04/81 | 80.00 | 60.00 | 0 | 47.00 | 574.00 | -.12 | 80.00 | 73.00 | 25.0 | 1249.0 | 20.0 | 859.0 | 20.0 | 1018.5 |
| 07/05/81 | 86.00 | 62.00 | 0 | 35.00 | 693.00 | -.19 | 90.00 | 72.00 | 29.0 | 1278.0 | 24.0 | 883.0 | 24.0 | 1042.5 |
| 07/06/81 | 86.00 | 60.00 | 0 | 45.00 | 691.00 | -.36 | 95.00 | 74.00 | 28.0 | 1306.0 | 23.0 | 906.0 | 23.0 | 1065.5 |
| 07/07/81 | 88.00 | 69.00 | 0 | 91.00 | 633.00 | -.32 | 96.00 | 76.00 | 33.5 | 1339.5 | 28.5 | 934.5 | 27.5 | 1093.0 |
| 07/08/81 | 87.00 | 72.00 | 0 | 179.00 | 589.00 | -.40 | 92.00 | 79.00 | 34.5 | 1374.0 | 29.5 | 964.0 | 29.0 | 1122.0 |
| 07/09/81 | 89.00 | 53.00 | 0 | 147.00 | 722.00 | -.41 | 92.00 | 75.00 | 26.0 | 1400.0 | 21.0 | 985.0 | 19.5 | 1141.5 |
| 07/10/81 | 83.00 | 57.00 | 0 | 49.00 | 626.00 | -.35 | 94.00 | 74.00 | 25.0 | 1425.0 | 20.0 | 1005.0 | 20.0 | 1161.5 |
| 07/11/81 | 87.00 | 66.00 | 2.05 | 146.00 | 235.00 | 0 | 92.00 | 76.00 | 31.5 | 1456.5 | 26.5 | 1031.5 | 26.0 | 1187.5 |
| 07/12/81 | 85.00 | 67.00 | -.56 | 91.00 | 479.00 | -.23 | 81.00 | 76.00 | 31.0 | 1487.5 | 26.0 | 1057.5 | 26.0 | 1213.5 |
| 07/13/81 | 86.00 | 69.00 | 0 | 116.00 | 615.00 | -.24 | 83.00 | 75.00 | 32.5 | 1520.0 | 27.5 | 1085.0 | 27.5 | 1241.0 |
| 07/14/81 | 85.00 | 70.00 | 0 | 126.00 | 529.00 | -.39 | 87.00 | 74.00 | 32.5 | 1552.5 | 27.5 | 1112.5 | 27.5 | 1268.5 |
| 07/15/81 | 87.00 | 65.00 | 1.46 | 182.00 | 155.00 | -.39 | 91.00 | 75.00 | 31.0 | 1583.5 | 26.0 | 1138.5 | 25.5 | 1294.0 |
| 07/16/81 | 69.00 | 58.00 | -.01 | 58.00 | 441.00 | -.17 | 75.00 | 70.00 | 18.5 | 1602.0 | 13.5 | 1152.0 | 13.5 | 1307.5 |
| 07/17/81 | 79.00 | 62.00 | 0 | 48.00 | 485.00 | -.17 | 81.00 | 69.00 | 25.5 | 1627.5 | 20.5 | 1172.5 | 20.5 | 1328.0 |
| 07/18/81 | 86.00 | 62.00 | -.01 | 50.00 | 612.00 | -.23 | 84.00 | 72.00 | 29.0 | 1656.5 | 24.0 | 1196.5 | 24.0 | 1352.0 |
| 07/19/81 | 87.00 | 68.00 | 0 | 44.00 | 492.00 | -.32 | 93.00 | 73.00 | 32.5 | 1689.0 | 27.5 | 1224.0 | 27.0 | 1379.0 |
| 07/20/81 | 87.00 | 62.00 | -.56 | 49.00 | 444.00 | -.32 | 93.00 | 74.00 | 32.5 | 1718.5 | 24.5 | 1248.5 | 24.0 | 1403.0 |
| 07/21/81 | 83.00 | 61.00 | 0 | 69.00 | 365.00 | -.20 | 80.00 | 71.00 | 27.0 | 1745.5 | 22.0 | 1270.5 | 22.0 | 1425.0 |
| 07/22/81 | 75.00 | 61.00 | 0 | 76.00 | 409.00 | -.18 | 78.00 | 70.00 | 23.0 | 1768.5 | 18.0 | 1288.5 | 18.0 | 1443.0 |
| 07/23/81 | 78.00 | 61.00 | -.65 | 103.00 | 446.00 | -.23 | 82.00 | 70.00 | 24.5 | 1793.0 | 19.5 | 1308.0 | 19.5 | 1462.5 |
| 07/24/81 | 76.00 | 62.00 | -.10 | 96.00 | 320.00 | -.20 | 84.00 | 70.00 | 24.0 | 1817.0 | 19.0 | 1327.0 | 19.0 | 1481.5 |
| 07/25/81 | 81.00 | 60.00 | -.40 | 74.00 | 443.00 | -.19 | 78.00 | 70.00 | 25.5 | 1842.5 | 20.5 | 1347.5 | 20.5 | 1502.0 |
| 07/26/81 | 76.00 | 54.00 | 0 | 91.00 | 340.00 | -.24 | 76.00 | 66.00 | 20.0 | 1862.5 | 15.0 | 1362.5 | 15.0 | 1517.0 |
| 07/27/81 | 70.00 | 52.00 | -.01 | 41.00 | 146.00 | -.16 | 72.00 | 63.00 | 16.0 | 1878.5 | 11.0 | 1373.5 | 11.0 | 1528.0 |
| 07/28/81 | 62.00 | 51.00 | -.40 | 87.00 | 645.00 | -.12 | 64.00 | 61.00 | 11.5 | 1890.0 | 6.5 | 1380.0 | 6.5 | 1534.5 |
| 07/29/81 | 74.00 | 50.00 | 0 | 38.00 | 488.00 | -.24 | 77.00 | 61.00 | 17.0 | 1907.0 | 12.0 | 1392.0 | 12.0 | 1546.5 |
| 07/30/81 | 71.00 | 55.00 | 0 | 134.00 | 472.00 | -.24 | 74.00 | 62.00 | 18.0 | 1925.0 | 13.0 | 1405.0 | 13.0 | 1559.5 |
| 07/31/81 | 81.00 | 65.00 | 0 | 181.00 | 393.00 | -.26 | 82.00 | 67.00 | 28.0 | 1953.0 | 23.0 | 1428.0 | 23.0 | 1592.5 |
| 08/01/81 | 82.00 | 68.00 | 0 | 140.00 | 266.00 | -.22 | 82.00 | 69.00 | 30.0 | 1983.0 | 25.0 | 1453.0 | 25.0 | 1607.5 |
| 08/02/81 | 81.00 | 66.00 | -.18 | 62.00 | 499.00 | -.12 | 78.00 | 73.00 | 28.5 | 2011.5 | 23.5 | 1476.5 | 23.5 | 1631.0 |
| 08/03/81 | 85.00 | 63.00 | 0 | 78.00 | 427.00 | -.25 | 86.00 | 68.00 | 29.0 | 2040.5 | 24.0 | 1500.5 | 24.0 | 1655.0 |
| 08/04/81 | 83.00 | 62.00 | 0 | 81.00 | 440.00 | -.17 | 86.00 | 73.00 | 27.5 | 2068.0 | 22.5 | 1523.0 | 22.5 | 1677.5 |
| 08/05/81 | 83.00 | 65.00 | -.70 | 101.00 | 457.00 | -.24 | 87.00 | 73.00 | 29.0 | 2097.0 | 24.0 | 1547.0 | 24.0 | 1701.5 |
| 08/06/81 | 82.00 | 62.00 | -.20 | 99.00 | 584.00 | -.22 | 82.00 | 72.00 | 27.0 | 2124.0 | 22.0 | 1569.0 | 22.0 | 1723.5 |
| 08/07/81 | 80.00 | 63.00 | -.03 | 208.00 | 349.00 | -.31 | 81.00 | 71.00 | 26.5 | 2150.5 | 21.5 | 1590.5 | 21.5 | 1745.0 |
| 08/08/81 | 76.00 | 59.00 | -.46 | 85.00 | 497.00 | -.24 | 74.00 | 66.00 | 22.5 | 2173.0 | 17.5 | 1608.0 | 17.5 | 1762.5 |
| 08/09/81 | 81.00 | 56.00 | -.22 | 57.00 | 561.00 | -.20 | 81.00 | 66.00 | 23.5 | 2196.5 | 18.5 | 1626.5 | 18.5 | 1781.0 |
| 08/10/81 | 75.00 | 47.00 | 0 | 86.00 | 630.00 | -.22 | 76.00 | 63.00 | 16.0 | 2212.5 | 11.0 | 1637.5 | 12.5 | 1793.5 |
| 08/11/81 | 76.00 | 52.00 | 0 | 86.00 | 602.00 | -.25 | 81.00 | 63.00 | 19.0 | 2231.5 | 14.0 | 1651.5 | 14.0 | 1807.5 |
| 08/12/81 | 82.00 | 57.00 | 0 | 105.00 | 626.00 | -.27 | 85.00 | 68.00 | 24.5 | 2256.0 | 19.5 | 1671.0 | 19.5 | 1827.0 |
| 08/13/81 | 86.00 | 59.00 | 0 | 97.00 | 460.00 | -.27 | 89.00 | 70.00 | 27.5 | 2283.5 | 22.5 | 1693.5 | 22.5 | 1849.5 |
| 08/14/81 | 83.00 | 65.00 | 1.17 | 110.00 | 366.00 | -.21 | 86.00 | 73.00 | 29.0 | 2312.5 | 24.0 | 1717.5 | 24.0 | 1873.5 |
| 08/15/81 | 80.00 | 61.00 | -.68 | 52.00 | 587.00 | -.22 | 80.00 | 71.00 | 25.5 | 2338.0 | 20.5 | 1738.0 | 20.5 | 1894.0 |
| 08/16/81 | 78.00 | 53.00 | 0 | 102.00 | 432.00 | -.33 | 77.00 | 65.00 | 20.5 | 2358.5 | 15.5 | 1753.5 | 15.5 | 1909.5 |
| 08/17/81 | 67.00 | 47.00 | 0 | 59.00 | 642.00 | -.12 | 70.00 | 62.00 | 12.0 | 2370.5 | 7.0 | 1760.5 | 8.5 | 1918.0 |
| 08/18/81 | 72.00 | 51.00 | 0 | 51.00 | 575.00 | -.23 | 80.00 | 62.00 | 16.5 | 2387.0 | 11.5 | 1772.0 | 11.5 | 1929.5 |

| | | | | | | | | | | | | | | |
|----------|-------|-------|------|--------|--------|-----|-------|-------|------|--------|------|--------|------|--------|
| 08/19/81 | 75.00 | 52.00 | 0 | 32.00 | 583.00 | .20 | 82.00 | 65.00 | 18.5 | 2405.5 | 13.5 | 1785.5 | 13.5 | 1943.0 |
| 08/20/81 | 75.00 | 52.00 | 0 | 45.00 | 605.00 | .21 | 83.00 | 67.00 | 18.5 | 2424.0 | 13.5 | 1799.0 | 13.5 | 1956.5 |
| 08/21/81 | 76.00 | 55.00 | 0 | 80.00 | 547.00 | .22 | 83.00 | 67.00 | 20.5 | 2444.5 | 15.5 | 1814.5 | 15.5 | 1972.0 |
| 08/22/81 | 77.00 | 59.00 | 0 | 132.00 | 396.00 | .23 | 81.00 | 68.00 | 23.0 | 2467.5 | 18.0 | 1832.5 | 18.0 | 1990.0 |
| 08/23/81 | 79.00 | 62.00 | 0 | 111.00 | 466.00 | .18 | 79.00 | 69.00 | 25.5 | 2493.0 | 20.5 | 1853.0 | 20.5 | 2010.5 |
| 08/24/81 | 80.00 | 64.00 | .56 | 89.00 | 475.00 | .19 | 83.00 | 71.00 | 27.0 | 2520.0 | 22.0 | 1875.0 | 22.0 | 2032.5 |
| 08/25/81 | 79.00 | 64.00 | 0 | 67.00 | 183.00 | .19 | 80.00 | 72.00 | 26.5 | 2546.5 | 21.5 | 1896.5 | 21.5 | 2054.0 |
| 08/26/81 | 76.00 | 61.00 | .58 | 80.00 | 246.00 | .12 | 74.00 | 70.00 | 23.5 | 2570.0 | 18.5 | 1915.0 | 18.5 | 2072.5 |
| 08/27/81 | 73.00 | 63.00 | 2.20 | 122.00 | 115.00 | 0 | 74.00 | 69.00 | 23.0 | 2593.0 | 18.0 | 1933.0 | 18.0 | 2090.5 |
| 08/28/81 | 69.00 | 61.00 | .25 | 163.00 | 99.00 | .05 | 69.00 | 67.00 | 20.0 | 2613.0 | 15.0 | 1948.0 | 15.0 | 2105.5 |
| 08/29/81 | 67.00 | 62.00 | .15 | 76.00 | 231.00 | .04 | 68.00 | 67.00 | 19.5 | 2632.5 | 14.5 | 1962.5 | 14.5 | 2120.0 |
| 08/30/81 | 74.00 | 57.00 | 0 | 47.00 | 477.00 | .06 | 76.00 | 72.00 | 20.5 | 2653.0 | 15.5 | 1978.0 | 15.5 | 2135.5 |
| 08/31/81 | 79.00 | 62.00 | 0 | 153.00 | 282.00 | .18 | 75.00 | 66.00 | 25.5 | 2678.5 | 20.5 | 1998.5 | 20.5 | 2156.0 |
| 09/01/81 | 78.00 | 51.00 | 0 | 195.00 | 263.00 | .17 | 73.00 | 64.00 | 19.5 | 2698.0 | 14.5 | 2013.0 | 14.5 | 2170.5 |
| 09/02/81 | 64.00 | 43.00 | 0 | 67.00 | 314.00 | .08 | 66.00 | 59.00 | 8.5 | 2706.5 | 3.5 | 2016.5 | 7.0 | 2177.5 |
| 09/03/81 | 71.00 | 44.00 | 0 | 87.00 | 315.00 | .14 | 72.00 | 59.00 | 12.5 | 2719.0 | 7.5 | 2024.0 | 10.5 | 2188.0 |
| 09/04/81 | 72.00 | 51.00 | 0 | 98.00 | 339.00 | .12 | 70.00 | 60.00 | 16.5 | 2735.5 | 11.5 | 2035.5 | 11.5 | 2199.5 |
| 09/05/81 | 71.00 | 51.00 | 0 | 98.00 | 434.00 | .16 | 76.00 | 62.00 | 16.0 | 2751.5 | 11.0 | 2046.5 | 11.0 | 2210.5 |
| 09/06/81 | 73.00 | 52.00 | 0 | 122.00 | 490.00 | .13 | 77.00 | 62.00 | 17.5 | 2769.0 | 12.5 | 2059.0 | 12.5 | 2223.0 |
| 09/07/81 | 78.00 | 58.00 | .51 | 151.00 | 383.00 | .22 | 80.00 | 64.00 | 23.0 | 2792.0 | 18.0 | 2077.0 | 18.0 | 2241.0 |
| 09/08/81 | 70.00 | 46.00 | 0 | 120.00 | 509.00 | .19 | 70.00 | 60.00 | 13.0 | 2805.0 | 8.0 | 2085.0 | 10.0 | 2251.0 |
| 09/09/81 | 75.00 | 48.00 | 0 | 89.00 | 311.00 | .17 | 73.00 | 60.00 | 16.5 | 2821.5 | 11.5 | 2096.5 | 12.5 | 2263.5 |
| 09/10/81 | 83.00 | 52.00 | 0 | 130.00 | 517.00 | .22 | 78.00 | 61.00 | 22.5 | 2844.0 | 17.5 | 2114.0 | 17.5 | 2281.0 |
| 09/11/81 | 87.00 | 55.00 | 0 | 67.00 | 493.00 | .15 | 86.00 | 65.00 | 26.0 | 2870.0 | 21.0 | 2135.0 | 20.5 | 2301.5 |
| 09/12/81 | 82.00 | 49.00 | 0 | 71.00 | 500.00 | .20 | 83.00 | 67.00 | 20.5 | 2890.5 | 15.5 | 2150.5 | 16.0 | 2317.5 |
| 09/13/81 | 79.00 | 52.00 | 0 | 60.00 | 470.00 | .16 | 83.00 | 67.00 | 20.5 | 2911.0 | 15.5 | 2166.0 | 15.5 | 2333.0 |
| 09/14/81 | 84.00 | 52.00 | 0 | 120.00 | 479.00 | .26 | 83.00 | 67.00 | 23.0 | 2934.0 | 18.0 | 2184.0 | 18.0 | 2351.0 |
| 09/15/81 | 73.00 | 45.00 | 0 | 91.00 | 372.00 | .21 | 79.00 | 65.00 | 14.0 | 2948.0 | 9.0 | 2193.0 | 11.5 | 2362.5 |
| 09/16/81 | 64.00 | 42.00 | 0 | 101.00 | 275.00 | .15 | 73.00 | 61.00 | 8.0 | 2956.0 | 3.0 | 2196.0 | 7.0 | 2369.5 |
| 09/17/81 | 57.00 | 37.00 | 0 | 85.00 | 429.00 | .10 | 64.00 | 57.00 | 2.0 | 2958.0 | 0.0 | 2196.0 | 3.5 | 2373.0 |
| 09/18/81 | 62.00 | 36.00 | 0 | 57.00 | 407.00 | .10 | 68.00 | 55.00 | 4.0 | 2962.0 | 0.0 | 2196.0 | 6.0 | 2379.0 |
| 09/19/81 | 69.00 | 38.00 | 0 | 113.00 | 456.00 | .14 | 69.00 | 55.00 | 8.5 | 2970.5 | 3.5 | 2199.5 | 9.5 | 2388.5 |
| 09/20/81 | 73.00 | 40.00 | 0 | 47.00 | 441.00 | .14 | 74.00 | 59.00 | 11.5 | 2982.0 | 6.5 | 2206.0 | 11.5 | 2400.0 |
| 09/21/81 | 75.00 | 43.00 | 0 | 111.00 | 373.00 | .16 | 76.00 | 58.00 | 14.0 | 2996.0 | 9.0 | 2215.0 | 12.5 | 2412.5 |
| 09/22/81 | 65.00 | 46.00 | 0 | 131.00 | 419.00 | .13 | 71.00 | 61.00 | 10.5 | 3006.5 | 5.5 | 2220.5 | 7.5 | 2420.0 |
| 09/23/81 | 63.00 | 45.00 | 0 | 157.00 | 170.00 | .17 | 71.00 | 59.00 | 9.0 | 3015.5 | 4.0 | 2224.5 | 6.5 | 2426.5 |
| 09/24/81 | 62.00 | 46.00 | .08 | 147.00 | 201.00 | .08 | 60.00 | 58.00 | 9.0 | 3024.5 | 4.0 | 2228.5 | 6.0 | 2432.5 |
| 09/25/81 | 68.00 | 52.00 | .10 | 119.00 | 76.00 | .08 | 65.00 | 57.00 | 15.0 | 3039.5 | 10.0 | 2238.5 | 10.0 | 2442.5 |
| 09/26/81 | 65.00 | 58.00 | .72 | 135.00 | 229.00 | .13 | 64.00 | 63.00 | 16.5 | 3056.0 | 11.5 | 2250.0 | 11.5 | 2454.0 |
| 09/27/81 | 68.00 | 44.00 | .05 | 262.00 | 439.00 | .20 | 64.00 | 53.00 | 11.0 | 3067.0 | 6.0 | 2256.0 | 9.0 | 2463.0 |
| 09/28/81 | 58.00 | 32.00 | 0 | 162.00 | 418.00 | .16 | 61.00 | 49.00 | 0.0 | 3067.0 | 0.0 | 2256.0 | 4.0 | 2467.0 |
| 09/29/81 | 65.00 | 32.00 | 0 | 159.00 | 267.00 | .14 | 63.00 | 48.00 | 3.5 | 3070.5 | 0.0 | 2256.0 | 7.5 | 2474.5 |
| 09/30/81 | 69.00 | 48.00 | 0 | 198.00 | 60.00 | .11 | 66.00 | 57.00 | 13.5 | 3084.0 | 8.5 | 2264.5 | 9.5 | 2484.0 |
| 10/01/81 | 59.00 | 40.00 | .07 | 234.00 | 127.00 | .31 | 60.00 | 53.00 | 4.5 | 3088.5 | 0.0 | 2264.5 | 4.5 | 2488.5 |
| 10/02/81 | 46.00 | 26.00 | 0 | 137.00 | 440.00 | .07 | 54.00 | 45.00 | 0.0 | 3088.5 | 0.0 | 2264.5 | 0.0 | 2488.5 |
| 10/03/81 | 58.00 | 26.00 | 0 | 122.00 | 77.00 | 0 | 62.00 | 44.00 | 0.0 | 3088.5 | 0.0 | 2264.5 | 4.0 | 2492.5 |
| 10/04/81 | 49.00 | 42.00 | .71 | 281.00 | 117.00 | .24 | 51.00 | 45.00 | .5 | 3089.0 | 0.0 | 2264.5 | 0.0 | 2492.5 |
| 10/05/81 | 56.00 | 46.00 | 0 | 61.00 | 82.00 | 0 | 54.00 | 50.00 | 6.0 | 3095.0 | 1.0 | 2265.5 | 3.0 | 2495.5 |
| 10/06/81 | 55.00 | 45.00 | .22 | 133.00 | 410.00 | .07 | 55.00 | 53.00 | 5.0 | 3100.0 | 0.0 | 2265.5 | 2.5 | 2498.0 |
| 10/07/81 | 55.00 | 30.00 | 0 | 113.00 | 423.00 | .13 | 56.00 | 46.00 | 0.0 | 3100.0 | 0.0 | 2265.5 | 2.5 | 2500.5 |
| 10/08/81 | 60.00 | 30.00 | 0 | 103.00 | 396.00 | .09 | 58.00 | 44.00 | 0.0 | 3100.0 | 0.0 | 2265.5 | 5.0 | 2505.5 |
| 10/09/81 | 62.00 | 38.00 | 0 | 202.00 | 89.00 | .16 | 59.00 | 46.00 | 5.0 | 3105.0 | 0.0 | 2265.5 | 6.0 | 2511.5 |
| 10/10/81 | 52.00 | 46.00 | .15 | 136.00 | 294.00 | .08 | 52.00 | 48.00 | 4.0 | 3109.0 | 0.0 | 2265.5 | 1.0 | 2512.5 |
| 10/11/81 | 67.00 | 40.00 | 0 | 81.00 | 361.00 | .08 | 62.00 | 50.00 | 8.5 | 3117.5 | 3.5 | 2269.0 | 8.5 | 2521.0 |
| 10/12/81 | 65.00 | 42.00 | .02 | 207.00 | 183.00 | .11 | 61.00 | 50.00 | 8.5 | 3126.0 | 3.5 | 2272.5 | 7.5 | 2528.5 |
| 10/13/81 | 63.00 | 49.00 | 0 | 312.00 | 57.00 | .16 | 57.00 | 54.00 | 11.0 | 3137.0 | 6.0 | 2278.5 | 6.5 | 2535.0 |
| 10/14/81 | 62.00 | 49.00 | .62 | 198.00 | 70.00 | .10 | 58.00 | 56.00 | 10.5 | 3147.5 | 5.5 | 2284.0 | 6.0 | 2541.0 |
| 10/15/81 | 53.00 | 38.00 | .08 | 94.00 | 373.00 | .07 | 58.00 | 52.00 | .5 | 3148.0 | 0.0 | 2284.0 | 1.5 | 2542.5 |
| 10/16/81 | 57.00 | 33.00 | 0 | 76.00 | 320.00 | .08 | 58.00 | 47.00 | 0.0 | 3148.0 | 0.0 | 2284.0 | 3.5 | 2546.0 |
| 10/17/81 | 64.00 | 33.00 | .65 | 136.00 | 63.00 | .18 | 58.00 | 46.00 | 3.5 | 3151.5 | 0.0 | 2284.0 | 7.0 | 2553.0 |
| 10/18/81 | 59.00 | 38.00 | .24 | 284.00 | 225.00 | .12 | 55.00 | 48.00 | 3.5 | 3155.0 | 0.0 | 2284.0 | 4.5 | 2557.5 |
| 10/19/81 | 43.00 | 23.00 | 0 | 221.00 | 339.00 | 0 | 48.00 | 41.00 | 0.0 | 3155.0 | 0.0 | 2284.0 | 0.0 | 2557.5 |
| 10/20/81 | 64.00 | 28.00 | 0 | 192.00 | 159.00 | 0 | 50.00 | 40.00 | 1.0 | 3156.0 | 0.0 | 2284.0 | 7.0 | 2564.5 |
| 10/21/81 | 52.00 | 34.00 | 0 | 105.00 | 219.00 | 0 | 49.00 | 44.00 | 0.0 | 3156.0 | 0.0 | 2284.0 | 1.0 | 2565.5 |
| 10/22/81 | 46.00 | 20.00 | 0 | 108.00 | 305.00 | 0 | 49.00 | 41.00 | 0.0 | 3156.0 | 0.0 | 2284.0 | 0.0 | 2565.5 |
| 10/23/81 | 42.00 | 21.00 | 0 | 231.00 | 210.00 | 0 | 44.00 | 39.00 | 0.0 | 3156.0 | 0.0 | 2284.0 | 0.0 | 2565.5 |
| 10/24/81 | 30.00 | 18.00 | 0 | 164.00 | 82.00 | 0 | 33.00 | 37.00 | 0.0 | 3156.0 | 0.0 | 2284.0 | 0.0 | 2565.5 |
| 10/25/81 | 33.00 | 25.00 | .48 | 207.00 | 240.00 | 0 | 38.00 | 37.00 | 0.0 | 3156.0 | 0.0 | 2284.0 | 0.0 | 2565.5 |
| 10/26/81 | 41.00 | 22.00 | 0 | 58.00 | 337.00 | 0 | 41.00 | 36.00 | 0.0 | 3156.0 | 0.0 | 2284.0 | 0.0 | 2565.5 |
| 10/27/81 | 49.00 | 24.00 | 0 | 180.00 | 320.00 | 0 | 42.00 | 37.00 | 0.0 | 3156.0 | 0.0 | 2284.0 | 0.0 | 2565.5 |
| 10/28/81 | 59.00 | 34.00 | 0 | 78.00 | 225.00 | 0 | 51.00 | 38.00 | 1.5 | 3157.5 | 0.0 | 2284.0 | 4.5 | 2570.0 |
| 10/29/81 | 65.00 | 43.00 | 0 | 265.00 | 291.00 | 0 | 52.00 | 44.00 | 9.0 | 3166.5 | 4.0 | 2288.0 | 7.5 | 2577.5 |
| 10/30/81 | 63.00 | 45.00 | 0 | 351.00 | 106.00 | 0 | 53.00 | 46.00 | 9.0 | 3175.5 | 4.0 | 2292.0 | 6.5 | 2584.0 |
| 10/31/81 | 62.00 | 40.00 | 0 | 183.00 | 297.00 | 0 | 53.00 | 50.00 | 6.0 | 3181.5 | 1.0 | 2293.0 | 6.0 | 2590.0 |

