

DIVISION: 1  
COUNTY: BARAGA

HERMAN  
STATION #3744  
PERIOD ANALYSIS FOR 1981-2010 ( 30 SEASONS)  
MONTHLY DEGREE-DAYS BASE 45

| SEASON       | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | SEASON |
|--------------|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1981         | 4   | 32  | 165 | 456 | 594 | 588 | 236 | 50  | 2143   |
| 1982         | 0   | 45  | 365 | 265 | 634 | 455 | 283 | 105 | 2164   |
| 1983         | 0   | 21  | 120 | 483 | 768 | 691 | 381 | 70  | 2539   |
| 1984         | 0   | 43  | 176 | 528 | 523 | 610 | 207 | 121 | 2216   |
| 1985         | 0   | 151 | 256 | 353 | 553 | 507 | 324 | 75  | 2219   |
| 1986         | 25  | 112 | 358 | 404 | 667 | 477 | 297 | 74  | 2414   |
| 1987         | 35  | 164 | 348 | 558 | 686 | 548 | 340 | 35  | 2722   |
| 1988         | 2   | 32  | 327 | 566 | 764 | 656 | 334 | 66  | 2747   |
| 1989         | 10  | 29  | 257 | 415 | 697 | 610 | 366 | 183 | 2567   |
| 1990         | 23  | 193 | 151 | 478 | 589 | 580 | 320 | 52  | 2424   |
| 1991         | 0   | 128 | 447 | 572 | 615 | 654 | 277 | 60  | 2753   |
| 1992         | 0   | 25  | 344 | 381 | 429 | 449 | 309 | 103 | 2040   |
| 1993         | 1   | 12  | 217 | 404 | 666 | 649 | 207 | 46  | 2202   |
| 1994         | 0   | 55  | 263 | 531 | 596 | 521 | 402 | 159 | 2528   |
| 1995         | 28  | 0   | 273 | 676 | 666 | 725 | 295 | 111 | 2774   |
| 1996         | 1   | 10  | 198 | 539 | 498 | 596 | 322 | 58  | 2222   |
| 1997         | 2   | 21  | 68  | 554 | 573 | 423 | 291 | 142 | 2076   |
| 1998         | 3   | 69  | 319 | 419 | 647 | 662 | 445 | 153 | 2717   |
| 1999         | 8   | 40  | 363 | 520 | 754 | 526 | 356 | 59  | 2657   |
| 2000         | 27  | 30  | 333 | 420 | 575 | 553 | 276 | 173 | 2425   |
| 2001         | 0   | 68  | 318 | 555 | 651 | 690 | 328 | 75  | 2723   |
| 2002         | 0   | 58  | 135 | 531 | 769 | 595 | 425 | 48  | 2561   |
| 2003         | 9   | 51  | 177 | 427 | 584 | 545 | 346 | 110 | 2249   |
| 2004         | 0   | 28  | 167 | 368 | 501 | 371 | 422 | 78  | 1935   |
| 2005         | 4   | 73  | 198 | 611 | 653 | 610 | 467 | 157 | 2776   |
| 2006         | 0   | 48  | 234 | 407 | 655 | 499 | 197 | 43  | 2083   |
| 2007         | 3   | 37  | 270 | 465 | 544 | 536 | 404 | 191 | 2450   |
| 2008         | 0   | 27  | 96  | 425 | 552 | 528 | 340 | 77  | 2077   |
| 2009         | 6   | 30  | 169 | 378 | 409 | 474 | 416 | 10  | 1893   |
| 2010         | 4   | 105 | 351 | 429 | 667 | 652 | 172 | 97  | 2486   |
| NON-ZERO     | 18  | 29  | 30  | 30  | 30  | 30  | 30  | 30  | 30     |
| ZEROES       | 12  | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0      |
| PROB OF ZERO | .40 | .03 | .00 | .00 | .00 | .00 | .00 | .00 | .00    |

NOTE: STATISTICS ARE COMPUTED ON THE NON-ZERO VALUES

| NUMBER SEASON | 30    | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30      |
|---------------|-------|--------|--------|--------|--------|--------|--------|--------|---------|
| MEAN          | 10.8  | 59.9   | 248.8  | 470.6  | 616.0  | 566.0  | 326.2  | 92.7   | 2392.7  |
| VARIANCE      | 125.7 | 2273.7 | 9084.4 | 7977.1 | 8536.4 | 7572.3 | 5734.6 | 2308.5 | 75681.5 |
| STND DEV      | 11.2  | 47.7   | 95.3   | 89.3   | 92.4   | 87.0   | 75.7   | 48.0   | 275.1   |
| SKEW          | 1.0   | 1.4    | .0     | .1     | -.3    | -.2    | -.2    | .6     | -.1     |
| KURTOSIS      | 2.4   | 4.0    | 2.1    | 2.7    | 2.7    | 2.4    | 2.4    | 2.3    | 1.7     |

NOTE: A MISSING OR INCOMPLETE VALUE, INDICATED BY THE FIELD BEING FILLED WITH 9s, IS NOT INCLUDED IN THE ANALYSIS.

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HERMAN  
STATION #3744  
PERIOD ANALYSIS FOR 1981-2010 ( 30 SEASONS)  
MONTHLY DEGREE-DAYS BASE 45 STATISTICS

| PARAMETER     | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    | OCT    | SEASON  |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| NUMBER SEASON | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30     | 30      |
| MEAN          | 10.8   | 59.9   | 248.8  | 470.6  | 616.0  | 566.0  | 326.2  | 92.7   | 2392.7  |
| VARIANCE      | 125.7  | 2273.7 | 9084.4 | 7977.1 | 8536.4 | 7572.3 | 5734.6 | 2308.5 | 75681.5 |
| STND DEV      | 11.2   | 47.7   | 95.3   | 89.3   | 92.4   | 87.0   | 75.7   | 48.0   | 275.1   |
| SKEW          | 1.0    | 1.4    | .0     | .1     | -.3    | -.2    | -.2    | .6     | -.1     |
| KURTOSIS      | 2.4    | 4.0    | 2.1    | 2.7    | 2.7    | 2.4    | 2.4    | 2.3    | 1.7     |
| GAMMA         | 1.014  | 2.019  | 6.025  | 27.736 | 43.537 | 41.781 | 17.556 | 3.425  | 76.887  |
| BETA          | 10.686 | 29.666 | 41.292 | 16.967 | 14.148 | 13.547 | 18.579 | 27.068 | 31.120  |
| PROB OF ZERO  | .40    | .03    | .00    | .00    | .00    | .00    | .00    | .00    | .00     |

LEVELS

PROBABILITY PERCENTILE VALUES

|    |    |     |     |     |     |     |     |     |      |
|----|----|-----|-----|-----|-----|-----|-----|-----|------|
| 01 | 0  | 0   | 74  | 288 | 420 | 382 | 173 | 16  | 1804 |
| 05 | 0  | 6   | 109 | 334 | 471 | 430 | 210 | 28  | 1962 |
| 10 | 0  | 13  | 131 | 360 | 500 | 457 | 231 | 37  | 2050 |
| 20 | 0  | 23  | 162 | 394 | 536 | 491 | 260 | 50  | 2160 |
| 25 | 0  | 27  | 175 | 408 | 551 | 505 | 271 | 56  | 2203 |
| 30 | 0  | 31  | 187 | 420 | 564 | 517 | 281 | 61  | 2242 |
| 40 | 0  | 40  | 211 | 443 | 588 | 540 | 301 | 72  | 2314 |
| 50 | 2  | 49  | 235 | 465 | 611 | 561 | 320 | 84  | 2382 |
| 60 | 4  | 59  | 261 | 488 | 635 | 584 | 340 | 96  | 2451 |
| 70 | 8  | 72  | 290 | 513 | 661 | 608 | 362 | 111 | 2527 |
| 75 | 10 | 79  | 308 | 527 | 676 | 622 | 375 | 120 | 2570 |
| 80 | 12 | 88  | 328 | 543 | 693 | 638 | 389 | 130 | 2617 |
| 90 | 19 | 115 | 384 | 588 | 738 | 680 | 429 | 160 | 2746 |
| 95 | 27 | 140 | 435 | 626 | 777 | 716 | 464 | 187 | 2854 |
| 99 | 44 | 197 | 543 | 700 | 853 | 785 | 533 | 246 | 3053 |