

Pacific Northwest National Laboratory

Operated by Battelle for the U.S. Department of Energy

HANFORD METEOROLOGY STATION

MONTH

25 MILES N.W. OF RICHLAND, WASHINGTON

CLIMATOLOGICAL DATA

LATITUDE 46° 34' N., LONGITUDE 119° 36' W., ELEVATION (GROUND) 733 FEET

April 2009

| DATE | TEMPERATURE (°F) (3-FT LEVEL) | | | | | | PRECIPITATION | | | WIND (50-FT LEVEL) | | | | AVERAGE REL HUM % | SOLRAD (LANGLEYS) | SKY COVER (TENTHS FROM SUNRISE TO SUNSET) | FRONTS AND MISC. PHENOMENA |
|------|-------------------------------|---------|---------|-----------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--|----------------------|---------------------|-----------------------|---------------------|-------------------|-------------------|---|----------------------------|
| | MAXIMUM | MINIMUM | AVERAGE | DEPARTURE FROM NORMAL | HEATING DEGREE DAYS (BASE 65°F) | COOLING DEGREE DAYS (BASE 65°F) | TOTAL (WATER EQUIVALENT IN IN.) | SNOW, ICE PELLETS (SLEET) (IN.) | SNOW, ICE PELLETS (SLEET) OR ICE ON GROUND AT 0400 (IN.) | PREVAILING DIRECTION | AVERAGE SPEED (MPH) | PEAK GUST SPEED (MPH) | PEAK GUST DIRECTION | | | | |
| 1 | 2 | 3 | 4 | 5 | 6A | 6B | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 1 | 44 | 33 | 38 | -12 | 27 | 0 | T | T | | SE | 7.9 | 21 | WSW | 68.7 | 97.8 | 10 | KFR 1145 |
| 2 | 61 | 32 | 46 | -4 | 19 | 0 | T | | | NW | 10.7 | 33 | WNW | 64.5 | 295.8 | 6 | DL |
| 3 | 59 | 40 | 50 | 0 | 15 | 0 | | | | W | 11.5 | 27 | WNW | 39.8 | 432.0 | 6 | |
| 4 | 60 | 34 | 47 | -4 | 18 | 0 | | | | NW | 7.1 | 17 | E | 46.8 | 471.6 | 0 | |
| 5 | 67 | 35 | 51 | 0 | 14 | 0 | | | | NW | 6.9 | 14 | NW | 48.0 | 466.8 | 5 | |
| 6 | 72 | 36 | 54 | +3 | 11 | 0 | | | | W | 6.3 | 16 | ESE | 41.6 | 487.2 | 3 | |
| 7 | 76 | 35 | 56 | +5 | 9 | 0 | | | | NW | 6.1 | 13 | NNE | 42.8 | 465.6 | 6 | |
| 8 | 71 | 46 | 58 | +7 | 7 | 0 | | | | NW | 14.0 | 30 | NW | 39.8 | 277.2 | 9 | |
| 9 | 66 | 37 | 52 | +1 | 13 | 0 | | | | SW | 5.7 | 15 | W | 49.8 | 418.2 | 8 | |
| 10 | 66 | 45 | 56 | +4 | 9 | 0 | T | | | NW | 7.3 | 18 | NW | 53.4 | 439.2 | 6 | |
| 11 | 66 | 44 | 55 | +3 | 10 | 0 | | | | W | 8.8 | 23 | NW | 47.2 | 419.4 | 7 | |
| 12 | 63 | 39 | 51 | -1 | 14 | 0 | 0.02 | | | S | 10.1 | 30 | SSW | 65.8 | 162.6 | 10 | KFR 1930 |
| 13 | 59 | 36 | 48 | -5 | 17 | 0 | | | | W | 11.1 | 31 | SW | 52.6 | 393.6 | 4 | |
| 14 | 54 | 33 | 44 | -9 | 21 | 0 | T | | | NW | 10.2 | 27 | WNW | 61.9 | 415.8 | 7 | |
| 15 | 64 | 38 | 51 | -3 | 14 | 0 | | | | NW | 10.3 | 29 | WNW | 42.9 | 479.4 | 1 | |
| 16 | 68 | 36 | 52 | -2 | 13 | 0 | | | | SE | 6.6 | 18 | SSE | 41.7 | 519.6 | 2 | |
| 17 | 68 | 34 | 51 | -3 | 14 | 0 | T | | | NW | 8.3 | 33 | NW | 54.3 | 339.0 | 7 | |
| 18 | 67 | 33 | 50 | -4 | 15 | 0 | | | | SE | 5.7 | 21 | WSW | 39.9 | 510.0 | 7 | |
| 19 | 80 | 39 | 60 | +6 | 5 | 0 | | | | W | 5.4 | 14 | E | 41.0 | 460.2 | 7 | |
| 20 | 84 | 45 | 64 | +9 | 1 | 0 | | | | SE | 5.8 | 19 | E | 40.5 | 552.6 | 1 | |
| 21 | 87 | 46 | 66 | +11 | 0 | 1 | | | | NW | 6.7 | 24 | NW | 31.2 | 562.2 | 0 | |
| 22 | 68 | 45 | 56 | +1 | 9 | 0 | | | | NW | 12.7 | 32 | NW | 38.5 | 278.4 | 9 | KFR 1600 |
| 23 | 58 | 37 | 48 | -7 | 17 | 0 | | | | W | 11.3 | 36 | WNW | 34.5 | 488.4 | 5 | |
| 24 | 63 | 33 | 48 | -7 | 17 | 0 | | | | W | 7.2 | 25 | SSW | 32.8 | 568.8 | 0 | |
| 25 | 64 | 43 | 54 | -2 | 11 | 0 | | | | NW | 15.4 | 34 | WNW | 32.7 | 580.8 | 2 | |
| 26 | 66 | 40 | 53 | -3 | 12 | 0 | | | | NW | 6.4 | 21 | WNW | 35.2 | 523.8 | 0 | |
| 27 | 64 | 35 | 50 | -6 | 15 | 0 | T | | | NE | 9.3 | 33 | ENE | 48.5 | 349.2 | 10 | KFR 1400 |
| 28 | 50 | 41 | 46 | -11 | 19 | 0 | 0.18 | | | N | 13.2 | 30 | ENE | 66.0 | 200.4 | 10 | |
| 29 | 56 | 41 | 48 | -9 | 17 | 0 | 0.19 | | | NW | 7.9 | 20 | NW | 65.9 | 229.2 | 10 | |
| 30 | 65 | 37 | 51 | -7 | 14 | 0 | | | | N | 6.9 | 19 | NE | 43.9 | 600.0 | 2 | |
| 31 | | | | | | | | | | | | | | | | | |
| SUM | | | | | 397 | 1 | 0.39 | T | | | | | | | | | |
| AVG | 65.2 | 38.3 | | | | | | | | | 8.8 | | | | | 5.3 | |

| NOTES: | | PRECIPITATION (IN.) | | | | MISC. PHENOMENA NOTATIONS USED IN COL. 17 | | | | | | | | | | | | | | | |
|--|--|-----------------------|--|----------------------------------|--|---|--|---------------------------------|--|------------------------------|--|--------------------------------|--|----------------------------|--|----|--|---------|--|---|--|
| (1) Unless otherwise specified, the daily summary period is from midnight to midnight Pacific Standard Time. | | TOTAL FOR THE MONTH | | 0.39 | | A - Hail | | AU - Aurora | | BD - Blowing Dust | | | | | | | | | | | |
| (2) "T" in Columns 7-9 denotes a trace. | | DEPARTURE FROM NORMAL | | -0.05 | | BS - Blowing Snow | | D - Dust | | DL - Distant Lightning | | | | | | | | | | | |
| (3) The Langley (Col. 15) is the unit used to denote one gram calorie/cm². | | GREATEST IN 24 HR | | 0.37 ON 28-29 | | DS - Drifting Snow | | F - Fog | | GL - Glaze | | | | | | | | | | | |
| | | NUMBER OF DAYS WITH: | | | | IC - Ice Crystals | | K - Smoke | | T - Thunderstorm | | | | | | | | | | | |
| TEMPERATURE (°F) (3-FT LEVEL) | | TRACE OR MORE | | 9 | | 0.25 OR MORE | | 0 | | BAROMETRIC PRESSURE (IN.) | | | | | | | | | | | |
| AVERAGE FOR THE MONTH | | 51.7 | | 0.01 OR MORE | | 3 | | 0.50 OR MORE | | 0 | | AVERAGE STATION | | 29.231 | | | | | | | |
| DEPARTURE FROM NORMAL | | -1.8 | | 0.10 OR MORE | | 2 | | 1.00 OR MORE | | 0 | | HIGHEST SEA LEVEL | | 30.428 ON 18 | | | | | | | |
| HIGHEST | | 87 | | ON | | 21 | | SNOW, ICE PELLETS (SLEET) (IN.) | | | | LOWEST SEA LEVEL | | 29.545 ON 8 | | | | | | | |
| LOWEST | | 32 | | ON | | 2 | | TOTAL FOR THE MONTH | | | | T | | SOLAR RADIATION (LANGLEYS) | | | | | | | |
| NUMBER OF DAYS WITH: | | GREATEST IN 24 HOURS | | T | | ON | | 1 | | AVERAGE DAILY TOTAL | | 416.2 | | | | | | | | | |
| MAXIMUM 32 OR BELOW | | 0 | | GREATEST ON GROUND | | na | | ON | | na | | GREATEST DAILY | | 600.0 ON 30 | | | | | | | |
| MAXIMUM 90 OR ABOVE | | 0 | | WIND (50-FT LEVEL) | | | | LEAST DAILY | | 97.8 | | ON | | 1 | | | | | | | |
| MINIMUM 32 OR BELOW | | 1 | | AVERAGE SPEED (MPH) | | | | 8.8 | | MISCELLANEOUS NUMBER OF DAYS | | | | | | | | | | | |
| MINIMUM 0 OR BELOW | | 0 | | DEPARTURE FROM NORMAL | | | | 0 | | CLEAR | | 10 | | FOG | | 0 | | | | | |
| HEATING DEGREE DAYS (BASE 65°F) | | 397 | | PEAK GUST | | | | WNW @ 36 | | ON | | 23 | | PARTLY CLOUDY | | 12 | | THUNDER | | 0 | |
| TOTAL FOR THE MONTH | | 397 | | AVERAGE PSYCHROMETRIC DATA | | | | CLOUDY | | 8 | | DUST | | 0 | | | | | | | |
| DEPARTURE FROM NORMAL | | +47 | | DRY BULB (°F) | | 51.9 | | WET BULB (°F) | | 42.4 | | RELATIVE HUMIDITY EXTREMES (%) | | | | | | | | | |
| SEASONAL TOTAL (SINCE JULY 1) | | 5386 | | REL. HUM. (%) | | 47.1 | | DEW PT. (°F) | | 30.6 | | HIGHEST | | 99 | | ON | | 29 | | | |
| SEASONAL DEPARTURE FROM NORMAL | | +415 | | +DENOTES LATEST OF SEVERAL DATES | | | | LOWEST | | 13 | | ON | | 21 | | | | | | | |