

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 2011

| 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 | 75 | 37 | 56 | +6 | 9 | 0 | | | | SW | 9.7 | 42 | SW | 52.8 | 407.4 | 8 | |
| 2 | 60 | 40 | 50 | 0 | 15 | 0 | | | | W | 14.8 | 38 | W | 44.1 | 396.0 | 2 | KFR 0215 |
| 3 | 58 | 40 | 49 | -1 | 16 | 0 | | | | W | 9.8 | 26 | W | 39.1 | 373.8 | 6 | |
| 4 | 57 | 43 | 50 | -1 | 15 | 0 | T | | | SW | 10.2 | 30 | WSW | 53.4 | 169.2 | 10 | KFR 2130 |
| 5 | 59 | 35 | 47 | -4 | 18 | 0 | | | | SW | 13.1 | 34 | SW | 47.2 | 356.4 | 4 | |
| 6 | 56 | 37 | 46 | -5 | 19 | 0 | | | | SW | 11.9 | 31 | SW | 46.0 | 286.8 | 9 | |
| 7 | 57 | 28 | 42 | -9 | 23 | 0 | T | | | N | 8.5 | 27 | NNE | 50.1 | 442.2 | 4 | |
| 8 | 61 | 33 | 47 | -4 | 18 | 0 | | | | NW | 10.3 | 29 | WNW | 43.0 | 507.6 | 0 | |
| 9 | 65 | 34 | 50 | -2 | 15 | 0 | | | | W | 9.8 | 29 | WNW | 40.2 | 423.6 | 10 | |
| 10 | 65 | 40 | 52 | 0 | 13 | 0 | T | | | SW | 9.1 | 28 | SW | 47.6 | 322.8 | 10 | KFR 0430 |
| 11 | 61 | 37 | 49 | -3 | 16 | 0 | | | | W | 13.1 | 36 | SW | 41.5 | 399.6 | 6 | |
| 12 | 57 | 26 | 42 | -10 | 23 | 0 | | | | W | 5.2 | 16 | ENE | 47.0 | 459.6 | 6 | |
| 13 | 55 | 39 | 47 | -6 | 18 | 0 | 0.04 | | | NW | 8.1 | 28 | SW | 63.7 | 190.8 | 10 | DL, KFR 1640 |
| 14 | 60 | 33 | 46 | -7 | 19 | 0 | | | | SW | 13.4 | 40 | SW | 51.8 | 340.8 | 8 | |
| 15 | 48 | 37 | 42 | -12 | 23 | 0 | 0.07 | | | NW | 4.8 | 14 | NW | 83.2 | 151.2 | 10 | F |
| 16 | 69 | 34 | 52 | -2 | 13 | 0 | | | | NW | 10.2 | 35 | WSW | 65.9 | 441.6 | 9 | KFR 1530 |
| 17 | 60 | 37 | 48 | -6 | 17 | 0 | | | | NW | 11.3 | 27 | NW | 35.0 | 510.0 | 3 | |
| 18 | 57 | 37 | 47 | -8 | 18 | 0 | | | | NW | 12.0 | 35 | NNW | 36.2 | 488.4 | 4 | |
| 19 | 60 | 34 | 47 | -8 | 18 | 0 | | | | W | 7.1 | 21 | W | 37.7 | 534.0 | 1 | |
| 20 | 58 | 31 | 44 | -11 | 21 | 0 | | | | NW | 7.1 | 23 | NW | 42.8 | 376.2 | 10 | |
| 21 | 59 | 40 | 50 | -5 | 15 | 0 | | | | W | 16.7 | 48 | WNW | 36.3 | 513.6 | 2 | KFR 0230 |
| 22 | 61 | 32 | 46 | -9 | 19 | 0 | | | | W | 6.0 | 18 | E | 40.4 | 565.2 | 0 | |
| 23 | 67 | 32 | 50 | -5 | 15 | 0 | | | | NW | 6.4 | 14 | WNW | 42.9 | 561.6 | 0 | |
| 24 | 65 | 34 | 50 | -5 | 15 | 0 | | | | W | 8.6 | 27 | WSW | 46.0 | 333.0 | 9 | |
| 25 | 58 | 40 | 49 | -6 | 16 | 0 | 0.12 | | | W | 8.7 | 31 | WSW | 67.4 | 210.6 | 10 | KFR 1230 |
| 26 | 65 | 39 | 52 | -4 | 13 | 0 | | | | W | 11.7 | 30 | W | 48.0 | 423.6 | 3 | |
| 27 | 61 | 33 | 47 | -9 | 18 | 0 | | | | SW | 13.6 | 35 | SW | 46.3 | 393.0 | 10 | |
| 28 | 58 | 38 | 48 | -8 | 17 | 0 | 0.02 | | | W | 10.7 | 40 | WSW | 43.7 | 291.0 | 6 | DL, KFR 0100 |
| 29 | 64 | 39 | 52 | -5 | 13 | 0 | | | | NW | 14.7 | 39 | WNW | 37.4 | 363.6 | 8 | |
| 30 | 67 | 41 | 54 | -3 | 11 | 0 | | | | W | 10.4 | 35 | NW | 37.2 | 507.6 | 0 | |
| 31 | | | | | | | | | | | | | | | | | |
| SUM | | | | | 499 | 0 | 0.25 | | | | | | | | | | |
| AVG | 60.8 | 36.0 | | | | | | | | | 10.2 | | | | | | 5.9 |

NOTES:

(1) Unless otherwise specified, the daily summary period is from midnight to midnight Pacific Standard Time.

(2) "T" in Columns 7-9 denotes a trace.

(3) The Langley (Col. 15) is the unit used to denote one gram calorie/cm².

| TEMPERATURE (°F) (3-FT LEVEL) | | PRECIPITATION (IN.) | | | | MISC. PHENOMENA NOTATIONS USED IN COL. 17 | | | | | | | | | | |
|---------------------------------|----|----------------------|--------------|---------------------------------|---------------------------------------|---|----|-------------------|---------------------|----------------------------|----------------|--------------------------------|----------------|-----|---------|----|
| TOTAL FOR THE MONTH | | 0.25 | | | | A - Hail AU - Aurora BD - Blowing Dust | | | | | | | | | | |
| DEPARTURE FROM NORMAL | | -0.30 | | | | BS - Blowing Snow D - Dust DL - Distant Lightning | | | | | | | | | | |
| GREATEST IN 24 HR | | 0.12 | ON | 25 | DS - Drifting Snow F - Fog GL - Glaze | | | | | | | | | | | |
| NUMBER OF DAYS WITH: | | | | | | IC - Ice Crystals K - Smoke T - Thunderstorm | | | | | | | | | | |
| TRACE OR MORE | | 7 | 0.25 OR MORE | 0 | BAROMETRIC PRESSURE (IN.) | | | | | | | | | | | |
| AVERAGE FOR THE MONTH | | 48.4 | 0.01 OR MORE | 4 | 0.50 OR MORE | | 0 | AVERAGE STATION | | 29.181 | | | | | | |
| DEPARTURE FROM NORMAL | | -5.0 | 0.10 OR MORE | 1 | 1.00 OR MORE | | 0 | HIGHEST SEA LEVEL | | 30.360 ON 30 | | | | | | |
| HIGHEST | 75 | ON | 1 | SNOW, ICE PELLETS (SLEET) (IN.) | | | | LOWEST SEA LEVEL | | 29.562 ON 2 | | | | | | |
| LOWEST | 26 | ON | 12 | TOTAL FOR THE MONTH | | | | 0 | | SOLAR RADIATION (LANGLEYS) | | | | | | |
| NUMBER OF DAYS WITH: | | GREATEST IN 24 HOURS | | | | NA | ON | NA | AVERAGE DAILY TOTAL | | 391.4 | | | | | |
| MAXIMUM 32 OR BELOW | | 0 | | | | GREATEST ON GROUND | | NA | ON | NA | GREATEST DAILY | 565.2 ON 22 | | | | |
| MAXIMUM 90 OR ABOVE | | 0 | | | | WIND (50-FT LEVEL) | | | | LEAST DAILY | | 151.2 ON 15 | | | | |
| MINIMUM 32 OR BELOW | | 5 | | | | AVERAGE SPEED (MPH) | | | | 10.2 | | MISCELLANEOUS NUMBER OF DAYS | | | | |
| MINIMUM 0 OR BELOW | | 0 | | | | DEPARTURE FROM NORMAL | | | | +1.7 | CLEAR | 9 | FOG | 1 | | |
| HEATING DEGREE DAYS (BASE 65°F) | | 499 | | | | PEAK GUST | | | | WNW @ 48 | ON | 21 | CLEARLY CLOUDY | 7 | THUNDER | 0 |
| TOTAL FOR THE MONTH | | 499 | | | | AVERAGE PSYCHROMETRIC DATA | | | | CLOUDY | | 14 | DUST | 0 | | |
| DEPARTURE FROM NORMAL | | +149 | | | | DRY BULB (°F) | | 48.7 | WET BULB (°F) | | 40.0 | RELATIVE HUMIDITY EXTREMES (%) | | | | |
| SEASONAL TOTAL (SINCE JULY 1) | | 5176 | | | | REL. HUM. (%) | | 47.1 | DEW PT. (°F) | | 27.8 | HIGHEST | | 100 | ON | 16 |
| SEASONAL DEPARTURE FROM NORMAL | | +286 | | | | +DENOTES LATEST OF SEVERAL DATES | | | | LOWEST | | 15 | ON | 19 | | |