

# Pacific Northwest National Laboratory

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

## HANFORD METEOROLOGY STATION

25 MILES N.W. OF RICHLAND, WASHINGTON

MONTH

### CLIMATOLOGICAL DATA

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

**May 2010**

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	67	39	53	-5	12	0	0.01			W	19.8	51	WNW	44.8	551.4	5	
2	69	45	57	-1	8	0				W	12.5	35	SW	39.1	453.6	8	
3	64	38	51	-8	14	0	T			SW	25.4	64	WSW	40.1	523.2	3	BD, KFR 0800
4	57	37	47	-12	18	0	0.01			W	10.9	32	WSW	41.0	330.0	5	
5	59	37	48	-11	17	0	T			NW	9.5	25	NW	44.6	409.8	9	
6	63	35	49	-10	16	0	0.03			W	6.6	30	NW	53.3	349.2	7	DL
7	66	32	49	-11	16	0				NW	6.5	27	WNW	51.7	483.0	8	
8	66	44	55	-5	10	0				NW	8.3	36	WNW	51.5	441.6	7	DL
9	71	42	56	-4	9	0				E	6.3	18	E	33.1	610.2	0	
10	55	43	49	-12	16	0	0.10			NW	6.4	20	WNW	62.2	142.8	10	
11	80	50	65	+4	0	0				NW	11.3	39	NW	36.8	618.0	3	T, DL
12	79	52	66	+5	0	1				NW	8.3	20	WNW	34.1	626.4	4	
13	81	44	62	+1	3	0				S	6.4	22	S	34.0	613.2	0	
14	85	44	64	+2	1	0				W	5.5	19	SW	32.8	602.4	3	
15	87	52	70	+8	0	5				W	6.0	16	WNW	33.2	587.4	4	
16	87	59	73	+11	0	8				NW	6.7	24	WNW	36.3	490.2	9	
17	80	60	70	+8	0	5	0.01			NW	8.0	19	WNW	51.3	320.4	9	
18	72	52	62	0	3	0	0.30			W	9.2	28	W	66.3	338.4	8	
19	77	46	62	0	3	0	0.17			SW	12.1	57	WSW	58.9	486.0	7	DL, KFR 1645
20	64	41	52	-10	13	0	T			SW	12.4	33	SW	51.9	491.4	6	
21	61	36	48	-15	17	0				SE	5.7	20	SSE	57.5	435.0	9	
22	70	41	56	-7	9	0				NW	12.2	37	NW	44.5	591.0	5	
23	64	45	54	-10	11	0				W	8.8	30	W	42.5	448.2	9	
24	70	36	53	-11	12	0				S	5.7	17	SSW	46.9	585.6	4	
25	74	48	61	-3	4	0	T			E	5.4	20	ESE	40.9	429.6	10	
26	67	52	60	-4	5	0	0.27			NW	6.4	23	SW	74.8	404.4	8	T, DL
27	69	51	60	-5	5	0	0.14			NW	10.4	28	SW	72.2	298.2	10	T, DL
28	64	51	58	-7	7	0	0.26			W	7.4	33	W	78.6	282.6	9	
29	70	47	58	-7	7	0				W	9.7	26	W	52.7	378.0	9	
30	73	45	59	-6	6	0				SW	7.0	21	W	44.4	486.6	7	
31	78	57	68	+2	0	3	0.03			SW	9.2	31	WSW	55.5	489.6	10	
SUM					242	22	1.33		0								
AVG	70.6	45.2									9.2						7

**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					
AVERAGE FOR THE MONTH		TOTAL FOR THE MONTH		1.33		A - Hail		AU - Aurora		BD - Blowing Dust	
DEPARTURE FROM NORMAL		DEPARTURE FROM NORMAL		+0.78		BS - Blowing Snow		D - Dust		DL - Distant Lightning	
HIGHEST		GREATEST IN 24 HR		0.40 ON 27-28		DS - Drifting Snow		F - Fog		GL - Glaze	
LOWEST		NUMBER OF DAYS WITH:				IC - Ice Crystals		K - Smoke		T - Thunderstorm	
AVERAGE FOR THE MONTH		TRACE OR MORE		15		0.25 OR MORE		3		BAROMETRIC PRESSURE (IN.)	
DEPARTURE FROM NORMAL		0.01 OR MORE		11		0.50 OR MORE		0		AVERAGE STATION	
HIGHEST		0.10 OR MORE		6		1.00 OR MORE		0		HIGHEST SEA LEVEL	
LOWEST		SNOW, ICE PELLETS (SLEET) (IN.)				LOWEST SEA LEVEL		29.574		ON 19	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH		0		SOLAR RADIATION (LANGLEYS)					
MAXIMUM 32 OR BELOW		GREATEST IN 24 HOURS		NA		ON NA		AVERAGE DAILY TOTAL		461.2	
MAXIMUM 90 OR ABOVE		GREATEST ON GROUND		NA		ON NA		GREATEST DAILY		626.4 ON 12	
MINIMUM 32 OR BELOW		WIND (50-FT LEVEL)				LEAST DAILY		142.8		ON 10	
MINIMUM 0 OR BELOW		AVERAGE SPEED (MPH)		9.2		MISCELLANEOUS NUMBER OF DAYS					
HEATING DEGREE DAYS (BASE 65°F)		DEPARTURE FROM NORMAL		+0.3		CLEAR		5		FOG 0	
TOTAL FOR THE MONTH		PEAK GUST		WSW @ 64		ON 3		PARTLY CLOUDY		11 THUNDER 3	
DEPARTURE FROM NORMAL		AVERAGE PSYCHROMETRIC DATA				CLOUDY		15		DUST 1	
SEASONAL TOTAL (SINCE JULY 1)		DRY BULB (°F)		57.9		WET BULB (°F)		47.7		RELATIVE HUMIDITY EXTREMES (%)	
SEASONAL DEPARTURE FROM NORMAL		REL. HUM. (%)		48.6		DEW PT. (°F)		36.7		HIGHEST 99 ON 28	
		+DENOTES LATEST OF SEVERAL DATES				LOWEST		12		ON 11	