

# 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

**August 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	109	67	88	+9	0	23				W	7.0	29	WNW	26.0	538.8	6	
2	104	77	90	+11	0	25				W	8.3	26	W	20.2	564.0	4	
3	103	70	86	+7	0	21				SW	9.5	34	WNW	23.6	570.0	3	
4	104	64	84	+5	0	20				W	7.4	28	NW	18.6	552.6	6	
5	97	65	81	+2	0	16				NW	8.9	28	WNW	22.2	549.0	2	
6	88	68	78	-1	0	13				NW	13.1	36	WSW	28.1	320.4	10	DL
7	83	63	73	-6	0	8				NW	9.7	27	WNW	46.8	411.6	7	
8	87	59	73	-6	0	8				NW	7.6	28	NW	43.0	531.6	4	
9	90	58	74	-4	0	9				NW	7.7	26	WNW	43.9	567.6	0	
10	93	57	75	-3	0	10				SW	9.9	29	SW	39.8	529.8	3	
11	89	63	76	-2	0	11	T			SW	10.1	27	NW	46.1	424.8	9	
12	89	64	76	-1	0	11	T			W	9.3	27	NW	51.9	482.4	7	
13	84	59	72	-4	0	7				NW	12.5	38	NW	37.8	484.2	6	
14	79	55	67	-9	0	2				NW	13.3	36	NW	40.9	490.2	4	
15	83	50	66	-9	0	1				NW	8.2	32	NW	40.0	492.6	3	
16	86	57	72	-3	0	7				NW	6.9	24	NW	37.8	546.6	0	
17	89	62	76	+2	0	11				NW	7.3	17	N	35.2	486.6	5	
18	96	54	75	+1	0	10				NW	4.5	18	SSW	34.4	518.4	4	
19	100	62	81	+7	0	16				NW	4.6	13	NW	32.2	519.0	2	
20	105	64	84	+11	0	19	0.04			W	6.3	28	WNW	33.5	505.8	4	T, DL
21	95	62	78	+5	0	13				NW	12.7	41	NW	37.9	484.8	1	DL
22	86	57	72	-1	0	7				NW	7.3	26	WNW	37.3	490.2	5	
23	87	63	75	+2	0	10				NW	12.6	31	WNW	30.6	532.8	0	
24	86	48	67	-6	0	2				E	5.1	16	ENE	34.2	526.8	0	
25	89	56	72	0	0	7				NW	9.8	30	SSW	31.0	498.0	5	
26	88	52	70	-2	0	5				W	5.1	16	ESE	36.5	489.6	5	
27	97	60	78	+6	0	13				NW	10.1	21	WNW	22.8	504.0	0	
28	93	64	78	+6	0	13				NW	8.1	30	NW	22.8	361.2	6	
29	85	57	71	-1	0	6				W	5.8	21	WSW	41.5	376.8	7	DL
30	91	65	78	+6	0	13				NW	5.6	16	E	42.6	439.2	6	
31	94	58	76	+5	0	11				E	4.9	15	E	45.1	465.6	0	
SUM					0	327	0.04										
AVG	91.9	60.6									8.4					4.0	

**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		0.04				A - Hail AU - Aurora BD - Blowing Dust						
DEPARTURE FROM NORMAL		-0.23				BS - Blowing Snow D - Dust DL - Distant Lightning						
GREATEST IN 24 HR		0.04	ON	20	DS - Drifting Snow F - Fog GL - Glaze							
NUMBER OF DAYS WITH:						IC - Ice Crystals K - Smoke T - Thunderstorm						
TRACE OR MORE		3	0.25 OR MORE	0	BAROMETRIC PRESSURE (IN.)							
AVERAGE FOR THE MONTH		76.3	0.01 OR MORE	1	AVERAGE STATION		29.121					
DEPARTURE FROM NORMAL		+0.9	0.10 OR MORE	0	HIGHEST SEA LEVEL		30.126	ON 17				
HIGHEST	109	ON	1	SNOW, ICE PELLETS (SLEET) (IN.)				LOWEST SEA LEVEL	29.645 ON 5			
LOWEST	48	ON	24	TOTAL FOR THE MONTH				0				
NUMBER OF DAYS WITH:		GREATEST IN 24 HOURS				NA	ON	NA	AVERAGE DAILY TOTAL	492.1		
MAXIMUM 32 OR BELOW		GREATEST ON GROUND				NA	ON	NA	GREATEST DAILY	570.0 ON 3		
MAXIMUM 90 OR ABOVE		WIND (50-FT LEVEL)				LEAST DAILY				320.4 ON 6		
MINIMUM 32 OR BELOW		AVERAGE SPEED (MPH)				MISCELLANEOUS NUMBER OF DAYS						
MINIMUM 0 OR BELOW		DEPARTURE FROM NORMAL				+0.5	CLEAR		12	FOG	0	
HEATING DEGREE DAYS (BASE 65°F)		PEAK GUST				NW @ 41	ON	21	PARTLY CLOUDY	17	THUNDER	0
TOTAL FOR THE MONTH		AVERAGE PSYCHROMETRIC DATA				CLOUDY		2	DUST	0		
DEPARTURE FROM NORMAL		-5		DRY BULB (°F)		76.7	WET BULB (°F)		58.5	RELATIVE HUMIDITY EXTREMES (%)		
SEASONAL TOTAL (SINCE JULY 1)		0		REL. HUM. (%)		35.0	DEW PT. (°F)		44.9	HIGHEST	84 ON 12	
SEASONAL DEPARTURE FROM NORMAL		-9		+DENOTES LATEST OF SEVERAL DATES				LOWEST	9	ON	4	