

# 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

**February 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	38	22	30	-2	35	0				NW	4.4	11	SSE	76.6	82	10				
2	39	29	34	+2	31	0				NW	5.3	14	W	79.8	71	10				
3	48	25	36	+4	29	0				NW	8.5	18	WNW	73.5	216	4				
4	45	22	34	+2	31	0				W	4.1	10	W	81.3	194	8				
5	41	25	33	+1	32	0	0.07			NW	4.4	14	NW	89.0	77	10				
6	36	31	34	+1	31	0	T			NW	3.8	11	NW	99.3	58	10	KFR 0015			
7	32	24	28	-6	37	0				NW	3.3	10	SSE	99.2	59	10				
8	32	18	25	-10	40	0				NW	5.1	13	WNW	95.6	75	7				
9	48	24	36	0	29	0				W	6.7	19	W	67.0	185	6	KFR 0300			
10	39	24	32	-5	33	0	0.01	0.2		NW	6.3	16	WNW	72.7	91	9				
11	41	28	34	-3	31	0	0.05	0.5	1	NW	7.1	14	WNW	80.9	163	9				
12	35	31	33	-5	32	0	T	T		NW	5.3	15	NW	85.9	49	10	GL			
13	45	32	38	-1	27	0				NW	9.1	17	NW	69.5	161	10				
14	47	30	38	-2	27	0				NW	6.2	13	W	69.0	209	3				
15	37	29	33	-7	32	0	T	T		NW	8.8	20	NW	85.0	89	10				
16	45	33	39	-1	26	0	T			NW	10.1	18	NW	77.0	117	10				
17	52	29	40	0	25	0				W	5.2	13	WNW	73.5	243	3				
18	50	24	37	-3	28	0				NW	4.5	12	E	82.8	259	1				
19	38	26	32	-9	33	0				NW	4.0	9	NW	91.5	61	10				
20	47	22	34	-7	31	0				SE	4.2	12	SSE	82.5	264	5				
21	42	25	34	-7	31	0				NW	4.8	12	NW	85.0	121	10				
22	39	24	32	-9	33	0	0.14	T		W	3.8	12	WNW	93.2	89	10	GL			
23	40	32	36	-5	29	0	0.36			SE	5.5	31	WSW	95.5	62	10				
24	59	32	46	+5	19	0				SW	15.7	38	SW	60.3	257	4				
25	55	39	47	+6	18	0	0.01			SW	17.4	43	SW	62.2	155	8				
26	44	29	36	-5	29	0				NW	9.9	28	NW	56.4	218	4	KFR 0330			
27	44	18	31	-10	34	0				NW	5.8	15	WNW	71.6	316	0				
28	45	28	36	-5	29	0				NW	9.6	19	WNW	63.5	204	7				
29																				
30																				
31																				
SUM	/ / / /				842	0	0.64	0.7	/ / / /				/ / / /				/ / / /			
AVG	43.0	27.0									6.7						7.4			

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		0.64		A - Hail		AU - Aurora		BD - Blowing Dust									
(2) "T" in Columns 7-9 denotes a trace.		DEPARTURE FROM NORMAL		-0.04		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		0.38 ON 22-23		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		10		0.25 OR MORE		1		BAROMETRIC PRESSURE (IN.)									
AVERAGE FOR THE MONTH		35.0		0.01 OR MORE		6		0.50 OR MORE		0		AVERAGE STATION		29.261					
DEPARTURE FROM NORMAL		-2.9		0.10 OR MORE		2		1.00 OR MORE		0		HIGHEST SEA LEVEL		30.502 ON 1					
HIGHEST		59		ON		24		SNOW, ICE PELLETS (SLEET) (IN.)				LOWEST SEA LEVEL		29.657 ON 25					
LOWEST		18		ON		27+		TOTAL FOR THE MONTH				0.7		SOLAR RADIATION (LANGLEYS)					
NUMBER OF DAYS WITH:		GREATEST IN 24 HOURS		0.7		ON		10-11		AVERAGE DAILY TOTAL				148.0					
MAXIMUM 32 OR BELOW		2		GREATEST ON GROUND		1		ON		11		GREATEST DAILY				315.6 ON 27			
MAXIMUM 90 OR ABOVE		0		WIND (50-FT LEVEL)				LEAST DAILY				48.6		ON 12					
MINIMUM 32 OR BELOW		26		AVERAGE SPEED (MPH)				6.7				MISCELLANEOUS NUMBER OF DAYS							
MINIMUM 0 OR BELOW		0		DEPARTURE FROM NORMAL				-0.3				CLEAR		4		FOG		10	
HEATING DEGREE DAYS (BASE 65°F)		842		PEAK GUST		SW @ 43		ON		25		CLEAR CLOUDY		7		THUNDER		0	
TOTAL FOR THE MONTH		842		AVERAGE PSYCHROMETRIC DATA				CLOUDY				17		DUST		0			
DEPARTURE FROM NORMAL		+75		DRY BULB (°F)		35.0		WET BULB (°F)		32.5		RELATIVE HUMIDITY EXTREMES (%)							
SEASONAL TOTAL (SINCE JULY 1)		4274		REL. HUM. (%)		79.3		DEW PT. (°F)		28.7		HIGHEST		100		ON		23+	
SEASONAL DEPARTURE FROM NORMAL		+240		+DENOTES LATEST OF SEVERAL DATES				LOWEST				31		ON		9			