

# 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

**October 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	69	44	56	-5	9	0				SW	5.2	17	SSE	45.1	336.0	3	
2	68	46	57	-3	8	0				NW	11.0	27	WNW	45.6	293.4	5	KFR 0415
3	61	40	50	-10	15	0	0.13			NW	11.6	34	NNE	62.0	234.6	3	
4	66	50	58	-1	7	0				NE	22.6	46	NE	30.4	176.4	10	BD
5	65	39	52	-6	13	0				NE	9.8	29	NE	32.7	332.4	0	
6	72	31	52	-6	13	0				S	7.6	23	SSW	44.2	324.0	0	
7	72	46	59	+1	6	0				N	6.9	20	NNE	38.5	319.8	3	
8	66	40	53	-4	12	0				NW	7.3	24	NW	48.2	311.4	2	
9	54	40	47	-10	18	0				E	6.6	20	NNW	31.7	124.8	10	KFR 0515
10	50	29	40	-17	25	0				NW	5.8	16	NW	37.5	213.0	10	
11	50	21	36	-20	29	0				NW	4.9	13	NW	37.0	347.4	1	
12	44	29	36	-20	29	0				NW	7.1	15	NW	36.8	144.6	10	
13	45	36	40	-15	25	0	0.31			NW	7.5	19	WNW	68.2	60.6	10	WFR 2345
14	62	42	52	-2	13	0	0.06			W	7.0	27	SW	81.2	195.6	6	
15	61	38	50	-4	15	0				NW	5.5	14	WNW	79.0	188.4	10	
16	66	49	58	+5	7	0				NW	6.6	17	NW	71.0	213.0	8	
17	69	48	58	+6	7	0	0.04			W	8.0	32	WSW	74.5	167.4	9	KFR 1730
18	66	47	56	+5	9	0				W	5.8	29	WSW	71.6	196.8	9	
19	66	46	56	+5	9	0				W	5.3	12	W	78.0	193.2	7	
20	62	38	50	0	15	0				W	4.3	12	NW	74.1	204.0	7	
21	63	44	54	+4	11	0	0.04			W	5.5	17	ESE	82.8	151.8	8	KFR 1700
22	61	40	50	0	15	0				W	4.8	17	W	61.2	182.4	7	
23	56	43	50	+1	15	0	0.08			N	5.0	28	W	86.0	100.8	7	KFR 1800
24	61	42	52	+3	13	0				W	10.5	30	WNW	48.4	228.6	7	
25	52	32	42	-6	23	0				E	4.2	12	WNW	70.6	147.0	10	
26	64	41	52	+4	13	0	0.04			W	13.5	45	W	69.7	74.4	8	KFR 1030
27	56	37	46	-1	19	0				NW	15.3	31	NW	51.5	241.2	3	
28	52	32	42	-5	23	0				W	5.3	16	W	52.6	184.8	10	
29	45	38	42	-4	23	0	0.08			SE	4.3	18	E	86.9	54.6	10	
30	67	37	52	+7	13	0				SW	12.1	43	SW	71.0	147.0	9	
31	67	47	57	+12	8	0				NW	10.8	29	SW	55.4	205.8	1	KFR 0530
SUM	/	/	/	/	460	0	0.78	0	/	/	/	/	/	/	/	/	/
AVG	60.6	39.7	/	/	/	/	/	/	/	/	8.0	/	/	/	/	6.5	/

**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		0.78				A - Hail AU - Aurora BD - Blowing Dust									
DEPARTURE FROM NORMAL		+0.29				BS - Blowing Snow D - Dust DL - Distant Lightning									
GREATEST IN 24 HR		0.37	ON	13-14		DS - Drifting Snow F - Fog GL - Glaze									
NUMBER OF DAYS WITH:		IC - Ice Crystals K - Smoke T - Thunderstorm													
TRACE OR MORE		8	0.25 OR MORE		1		BAROMETRIC PRESSURE (IN.)								
AVERAGE FOR THE MONTH		50.2	0.01 OR MORE		8		AVERAGE STATION		29.219						
DEPARTURE FROM NORMAL		-2.8	0.10 OR MORE		2		HIGHEST SEA LEVEL		30.351 ON 25						
HIGHEST		72	ON	7+		SNOW, ICE PELLETS (SLEET) (IN.)		LOWEST SEA LEVEL		29.385 ON 13					
LOWEST		21	ON	11		TOTAL FOR THE MONTH		0							
NUMBER OF DAYS WITH:		GREATEST IN 24 HOURS		NA	ON	NA		AVERAGE DAILY TOTAL		203.1					
MAXIMUM 32 OR BELOW		0		GREATEST ON GROUND		NA	ON	NA		GREATEST DAILY		347.4 ON 11			
MAXIMUM 90 OR ABOVE		0		WIND (50-FT LEVEL)				LEAST DAILY		54.6 ON 29					
MINIMUM 32 OR BELOW		6		AVERAGE SPEED (MPH)				8.0		MISCELLANEOUS NUMBER OF DAYS					
MINIMUM 0 OR BELOW		0		DEPARTURE FROM NORMAL		+1.5		CLEAR		9		FOG		1	
HEATING DEGREE DAYS (BASE 65°F)		460		PEAK GUST		NE @ 46 ON 4		PARTLY CLOUDY		7		THUNDER		0	
TOTAL FOR THE MONTH		460		AVERAGE PSYCHROMETRIC DATA				CLOUDY		15		DUST		1	
DEPARTURE FROM NORMAL		+84		DRY BULB (°F)		50.2		WET BULB (°F)		43.3		RELATIVE HUMIDITY EXTREMES (%)			
SEASONAL TOTAL (SINCE JULY 1)		505		REL. HUM. (%)		58.8		DEW PT. (°F)		34.6		HIGHEST		100 ON 30	
SEASONAL DEPARTURE FROM NORMAL		+45		+DENOTES LATEST OF SEVERAL DATES				LOWEST		18		ON		9+	