

Pacific Northwest National Laboratory

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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

November 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	59	32	46	+1	19	0				NW	7.5	29	WNW	54.5	225.6	0		
2	50	26	38	-7	27	0				NW	4.2	12	SSE	77.0	174.0	6		
3	51	26	38	-7	27	0				NW	5.7	19	NW	76.7	198.0	6		
4	54	33	44	0	21	0				W	5.6	16	NW	66.5	203.4	5		
5	56	29	42	-2	23	0	0.05			SE	6.4	33	SW	79.1	132.6	10	F	
6	57	43	50	+6	15	0	T			SW	18.1	41	WSW	55.8	195.0	2	KFR 0010	
7	56	42	49	+6	16	0				SW	15.6	44	SW	54.2	81.6	5	KFR 1730	
8	57	31	44	+1	21	0				SW	6.0	21	SW	69.8	117.0	9		
9	45	29	37	-6	28	0				NW	6.5	14	NW	85.2	73.8	10		
10	55	34	44	+1	21	0				SW	6.8	26	SW	58.5	151.8	3	KFR 0200	
11	51	30	40	-2	25	0				W	5.3	16	S	73.3	96.6	9		
12	45	20	32	-10	33	0				N	4.0	11	ESE	82.2	164.4	1		
13	49	22	36	-5	29	0	0.01		T	NW	6.3	35	S	82.6	97.8	8	F, KFR 1230	
14	47	22	34	-7	31	0				W	5.2	16	W	68.1	175.2	0		
15	40	26	33	-8	32	0	0.01			NW	4.4	12	NW	81.1	63.0	10		
16	59	33	46	+6	19	0				SE	13.4	42	SSE	49.2	60.6	10		
17	63	42	52	+12	13	0				SW	14.1	44	SW	46.7	82.2	10	KFR 0330	
18	52	35	44	+4	21	0				SW	11.2	27	SW	50.1	168.6	1	WFR 2200	
19	56	41	48	+9	17	0	T			E	7.8	27	SSW	43.3	55.8	10		
20	55	38	46	+8	19	0	0.04			NW	8.6	40	NW	65.8	54.6	10	KFR 1530	
21	50	31	40	+3	25	0				SW	11.1	34	S	54.8	115.8	5		
22	48	38	43	+6	22	0	0.19			SW	14.5	50	SSW	67.6	74.4	10	KFR 0705	
23	48	35	42	+5	23	0				SW	6.2	28	WSW	67.0	87.0	9		
24	49	32	40	+4	25	0				NW	5.2	14	WNW	80.3	136.8	7		
25	46	28	37	+1	28	0				W	3.8	14	WNW	89.1	127.8	9		
26	40	32	36	0	29	0	0.14			N	2.9	8	SSE	98.0	28.8	10	F	
27	54	32	43	+7	22	0	0.12			W	6.5	17	NW	80.3	117.6	5	F, KFR 0345	
28	47	24	36	0	29	0				NW	3.9	11	SSW	85.2	110.4	7		
29	45	28	36	0	29	0				NW	4.2	9	WNW	92.4	114.6	8		
30	36	27	32	-4	33	0				W	4.0	14	WNW	99.2	44.4	10	F	
31																		
SUM	/ / / / / /						722	0	0.56	T	/ / /			/ / /	/ / /	/ / /	/ / /	/ / /
AVG	50.7	31.4	/	/	/	/	/	/	/	/	7.5	/	/	/	/	6.8	/	

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		0.56		A - Hail		AU - Aurora		BD - Blowing Dust									
(2) "T" in Columns 7-9 denotes a trace.		DEPARTURE FROM NORMAL		-0.42		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		0.26 ON 26-27		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		9		0.25 OR MORE		0		BAROMETRIC PRESSURE (IN.)									
AVERAGE FOR THE MONTH		41.0		0.01 OR MORE		7		0.50 OR MORE		0		AVERAGE STATION		29.250					
DEPARTURE FROM NORMAL		+0.9		0.10 OR MORE		3		1.00 OR MORE		0		HIGHEST SEA LEVEL		30.442 ON 1					
HIGHEST		63		ON		17		SNOW, ICE PELLETS (SLEET) (IN.)				LOWEST SEA LEVEL		29.447 ON 20					
LOWEST		20		ON		12		TOTAL FOR THE MONTH				T		SOLAR RADIATION (LANGLEYS)					
NUMBER OF DAYS WITH:		GREATEST IN 24 HOURS		T		ON		13		AVERAGE DAILY TOTAL		117.64							
MAXIMUM 32 OR BELOW		0		GREATEST ON GROUND		NA		ON		NA		GREATEST DAILY		225.6 ON 1					
MAXIMUM 90 OR ABOVE		0		WIND (50-FT LEVEL)				LEAST DAILY		28.8		ON		26					
MINIMUM 32 OR BELOW		19		AVERAGE SPEED (MPH)				7.5		MISCELLANEOUS NUMBER OF DAYS									
MINIMUM 0 OR BELOW		0		DEPARTURE FROM NORMAL				+1.1		CLEAR		6		FOG		5			
HEATING DEGREE DAYS (BASE 65°F)		722		PEAK GUST		SSW @ 50		ON		22		CLEARLY CLOUDY		8		THUNDER		0	
TOTAL FOR THE MONTH		722		AVERAGE PSYCHROMETRIC DATA				CLOUDY		16		DUST		0					
DEPARTURE FROM NORMAL		-45		DRY BULB (°F)		41.0		WET BULB (°F)		36.9		RELATIVE HUMIDITY EXTREMES (%)							
SEASONAL TOTAL (SINCE JULY 1)		1227		REL. HUM. (%)		71.1		DEW PT. (°F)		31.3		HIGHEST		100		ON		30+	
SEASONAL DEPARTURE FROM NORMAL		+20		+DENOTES LATEST OF SEVERAL DATES				LOWEST		22		ON		17					