

Pacific Northwest National Laboratory

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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

January 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 NOTE: TIMES OF FRONTAL PASSAGES ARE GIVEN AFTER THE NOTATIONS "KFR" (COLD FRONT) AND "WFR" (WARM FRONT)	
	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	44	25	31	+6	31	0	0.03		3	S	5.2	37	SW	95.0	85.2	9	F, GL, KFR 1900
2	47	29	38	+10	27	0			1	W	8.3	30	SW	77.9	55.8	10	
3	37	28	32	+4	33	0	T			NW	7.5	17	WNW	93.6	67.8	10	F
4	37	32	34	+6	31	0	0.34			NW	4.0	13	WNW	96.7	17.4	10	F
5	39	32	36	+8	29	0	0.02			NW	3.9	17	NNW	93.1	55.8	10	F
6	39	26	32	+4	33	0				NW	9.0	20	N	60.6	109.8	4	
7	31	20	26	-3	39	0				NW	7.8	18	WNW	69.8	68.4	10	
8	36	29	32	+3	33	0	T			NW	7.4	18	WNW	65.2	89.4	10	
9	36	31	34	+5	31	0	T	T		NW	5.9	14	WNW	82.0	57.0	10	
10	39	33	36	+7	29	0				NW	4.5	12	WNW	86.5	31.8	10	F
11	39	32	36	+6	29	0				W	5.0	14	W	92.2	51.6	10	F
12	41	30	36	+5	29	0	0.03			NW	3.8	10	WNW	95.7	66.6	10	F
13	48	35	42	+10	23	0	0.12			NW	9.6	29	SSW	86.7	69.0	9	F, KFR 1330
14	50	37	44	+11	21	0				W	6.1	27	WSW	75.6	91.2	10	
15	54	36	45	+12	20	0	T			NW	7.8	43	SW	77.7	50.4	10	
16	45	40	42	+8	23	0	0.06			NW	6.5	17	WNW	88.6	52.2	10	
17	41	34	38	+4	27	0	0.25			NW	6.4	13	WNW	98.5	31.8	10	F
18	48	31	40	+6	25	0	T			NW	6.5	16	NW	90.7	141.6	5	F
19	49	34	42	+8	23	0				NW	7.3	14	WNW	80.3	113.4	9	
20	49	34	42	+8	23	0	0.02			NW	7.2	13	WNW	81.9	122.4	5	
21	49	36	42	+8	23	0				NW	9.2	19	NW	77.7	131.4	7	
22	50	34	42	+8	23	0				NW	8.5	21	NNE	69.5	117.6	9	
23	50	30	40	+6	25	0				W	4.1	9	WSW	77.7	85.8	10	
24	40	28	34	0	31	0	0.13			NW	6.9	17	WNW	91.8	69.6	10	
25	42	34	38	+4	27	0	0.04			NW	4.8	15	NW	93.7	60.6	10	
26	45	37	41	+7	24	0	0.10			NW	8.2	18	WNW	90.2	64.8	10	
27	46	34	40	+7	25	0	T			NW	5.9	16	NW	85.8	94.2	10	
28	44	31	38	+5	27	0				NW	6.0	14	WNW	83.3	97.8	9	
29	46	37	42	+9	23	0	0.09			NW	7.8	15	WNW	79.4	76.8	10	
30	45	36	40	+7	25	0				W	3.9	12	WNW	88.2	72.0	10	
31	50	32	41	+8	21	0	0.01			NW	3.9	8	NNW	93.2	120.0	10	F
SUM	/	/	/	/	836	0	1.24	T	/	/	/	/	/	/	/	/	/
AVG	43.7	32.2	/	/	/	/	/	/	/	/	6.4	/	/	/	/	9.2	/

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		1.24		A - Hail		AU - Aurora		BD - Blowing Dust					
(2) "T" in Columns 7-9 denotes a trace.		DEPARTURE FROM NORMAL		+0.37		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		0.36 ON 4-5		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		19		0.25 OR MORE		2		BAROMETRIC PRESSURE (IN.)					
AVERAGE FOR THE MONTH		38.0		0.01 OR MORE		13		0.50 OR MORE		0		AVERAGE STATION		29.167	
DEPARTURE FROM NORMAL		+6.2		0.10 OR MORE		5		1.00 OR MORE		0		HIGHEST SEA LEVEL		30.593 ON 6	
HIGHEST		54		ON		15		SNOW, ICE PELLETS (SLEET) (IN.)		LOWEST SEA LEVEL		29.105		ON 22	
LOWEST		20		ON		7		TOTAL FOR THE MONTH		T		SOLAR RADIATION (LANGLEYS)			
NUMBER OF DAYS WITH:		GREATEST IN 24 HOURS		T		ON		9		AVERAGE DAILY TOTAL		78.0			
MAXIMUM 32 OR BELOW		1		GREATEST ON GROUND		3		ON		1		GREATEST DAILY		141.6 ON 18	
MAXIMUM 90 OR ABOVE		0		WIND (50-FT LEVEL)						LEAST DAILY		17.4		ON 4	
MINIMUM 32 OR BELOW		16		AVERAGE SPEED (MPH)		6.4		MISCELLANEOUS NUMBER OF DAYS							
MINIMUM 0 OR BELOW		0		DEPARTURE FROM NORMAL		+0.1		CLEAR		0		FOG		11	
HEATING DEGREE DAYS (BASE 65°F)		836		PEAK GUST		SW @ 43		ON		15		PARTLY CLOUDY		4	
TOTAL FOR THE MONTH		836		AVERAGE PSYCHROMETRIC DATA				CLOUDY		27		DUST		0	
DEPARTURE FROM NORMAL		-192		DRY BULB (°F)		37.9		WET BULB (°F)		36.1		RELATIVE HUMIDITY EXTREMES (%)			
SEASONAL TOTAL (SINCE JULY 1)		3317		REL. HUM. (%)		84.5		DEW PT. (°F)		33.5		HIGHEST		100 ON 31+	
SEASONAL DEPARTURE FROM NORMAL		+50		+DENOTES LATEST OF SEVERAL DATES				LOWEST		44		ON		6	