

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

January 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	47	28	38	+10	27	0	0.22		3	W	8.6	32	W	84.2	58	10	F
2	36	9	22	-6	43	0	0.66	4.2	3	NW	8.2	30	WNW	84.1	123	4	F, KFR 0530
3	24	7	16	-12	49	0			5	S	3.2	11	WNW	82.5	144	1	
4	18	8	13	-15	52	0	0.16	2.2	5	S	2.8	10	WNW	90.8	84	10	F
5	27	9	18	-10	47	0	0.01	0.2	7	W	3.8	11	NNW	88.9	122	6	F, KFR 0600
6	53	28	40	+12	25	0			7	NW	7.8	40	SW	80.9	115	10	WFR 2030
7	60	49	54	+25	11	0			T	SW	18.4	51	SSW	60.2	114	9	
8	56	40	48	+19	17	0				W	13.4	40	SW	55.3	145	3	KFR 0540
9	46	29	38	+9	27	0				SW	6.4	25	WNW	64.7	99	7	
10	41	30	36	+7	29	0				N	3.9	14	W	81.9	29	10	
11	51	28	40	+10	25	0				W	5.1	19	W	80.0	91	8	
12	55	34	44	+13	21	0				W	4.8	13	WSW	80.6	128	6	
13	48	26	37	+5	28	0				NW	6.2	19	WNW	86.2	88	7	
14	30	23	26	-7	39	0				SW	2.9	10	W	98.3	40	10	F
15	28	25	26	-7	39	0	0.01	0.1		NW	2.5	8	SW	98.0	34	10	F
16	30	27	28	-6	37	0	T		T	SW	3.4	8	N	95.4	19	10	F, GL
17	32	28	30	-4	35	0	0.01	0.2	T	NW	3.5	10	WNW	92.0	21	10	F, GL
18	33	30	32	-2	33	0	T	0.2	T	NW	6.7	12	NW	84.2	36	10	
19	31	28	30	-4	35	0	T		T	NW	5.3	14	NNW	89.2	28	10	GL
20	29	26	28	-6	37	0	T			NW	4.3	9	NW	88.4	32	10	GL
21	28	26	27	-7	38	0	T			NE	3.4	7	ENE	86.6	34	10	GL
22	29	27	28	-6	37	0				N	3.7	10	NNW	82.1	31	10	
23	28	25	26	-8	39	0				NW	8.0	15	NW	79.3	34	10	
24	32	25	28	-6	37	0	0.07	0.9		NW	7.1	14	NW	86.3	115	10	F
25	30	17	24	-10	41	0	0.01	0.1	1	NW	9.2	18	NW	70.3	121	10	KFR 0730
26	30	9	20	-14	45	0			T	NW	5.4	14	NNW	60.8	193	0	
27	28	15	22	-11	43	0			T	NW	4.6	12	WNW	73.0	142	8	
28	46	14	30	-3	35	0			T	W	3.8	17	WNW	70.2	196	1	
29	49	25	37	+4	28	0			T	NW	5.0	15	NW	70.8	127	9	
30	41	22	32	-1	33	0				NW	5.3	14	NNW	82.7	181	5	
31	45	28	36	+3	29	0				W	7.7	23	NW	56.2	93	10	
SUM	/	/	/	/	1061	0	1.15	8.1	/	/	/	/	/	/	/	/	/
AVG	37.5	24.0	/	/	/	/	/	/	/	/	5.9	/	/	/	/	7.9	/

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		1.15		A - Hail		AU - Aurora		BD - Blowing Dust									
(2) "T" in Columns 7-9 denotes a trace.		DEPARTURE FROM NORMAL		+0.28		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		0.88 ON 1-2		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		13		0.25 OR MORE		1		BAROMETRIC PRESSURE (IN.)									
AVERAGE FOR THE MONTH		30.7		0.01 OR MORE		8		0.50 OR MORE		1		AVERAGE STATION		29.507					
DEPARTURE FROM NORMAL		-1.1		0.10 OR MORE		3		1.00 OR MORE		0		HIGHEST SEA LEVEL		30.838 ON 18					
HIGHEST		60		ON		7		SNOW, ICE PELLETS (SLEET) (IN.)				LOWEST SEA LEVEL		29.344 ON 2					
LOWEST		7		ON		3		TOTAL FOR THE MONTH				8.1				SOLAR RADIATION (LANGLEYS)			
NUMBER OF DAYS WITH:		GREATEST IN 24 HOURS		4.2		ON		2		AVERAGE DAILY TOTAL				90.8					
MAXIMUM 32 OR BELOW		16		GREATEST ON GROUND		7		ON		6+		GREATEST DAILY				195.6 ON 28			
MAXIMUM 90 OR ABOVE		0		WIND (50-FT LEVEL)						LEAST DAILY				18.6 ON 16					
MINIMUM 32 OR BELOW		28		AVERAGE SPEED (MPH)				5.9				MISCELLANEOUS NUMBER OF DAYS							
MINIMUM 0 OR BELOW		0		DEPARTURE FROM NORMAL				-0.4				CLEAR		4		FOG		9	
HEATING DEGREE DAYS (BASE 65°F)		1061		PEAK GUST		SSW @ 51		ON		7		CLOUDY		6		THUNDER		0	
TOTAL FOR THE MONTH		1061		AVERAGE PSYCHROMETRIC DATA				CLOUDY				21		DUST		0			
DEPARTURE FROM NORMAL		+33		DRY BULB (°F)		30.9		WET BULB (°F)		28.8		RELATIVE HUMIDITY EXTREMES (%)							
SEASONAL TOTAL (SINCE JULY 1)		3432		REL. HUM. (%)		80.1		DEW PT. (°F)		25.1		HIGHEST		100		ON		15	
SEASONAL DEPARTURE FROM NORMAL		+165		+DENOTES LATEST OF SEVERAL DATES				LOWEST		34		ON		26					