

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

March 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
	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	57	38	48	+6	17	0				NW	8.3	18	NW	74.2	254.4	10	
2	62	40	51	+9	14	0	T			NW	5.5	17	W	71.3	236.4	8	
3	62	45	54	+12	11	0	0.01			NW	6.0	21	NW	70.0	246.0	7	
4	59	36	48	+6	17	0				NW	7.0	21	WNW	57.9	295.2	2	
5	57	29	43	+1	22	0				NW	4.6	11	W	67.1	297.0	9	
6	59	32	46	+3	19	0				NW	7.1	16	NW	65.3	294.0	4	
7	62	31	46	+2	19	0				SE	5.9	20	W	63.6	322.2	2	
8	54	32	43	-1	22	0	T			W	14.1	34	WNW	40.0	332.4	4	KFR 0730
9	48	23	36	-9	29	0				W	6.0	16	WSW	47.1	285.0	6	
10	51	30	40	-6	25	0				NW	5.7	15	SW	53.2	353.4	4	
11	55	37	46	0	19	0	0.03			S	10.1	33	S	53.0	82.8	10	WFR 1530
12	60	37	48	+2	17	0	0.01			S	10.7	50	SSE	62.6	43.8	10	KFR 1115
13	57	32	44	-2	21	0				W	8.2	21	SW	53.6	361.2	2	
14	54	25	40	-7	25	0				NE	4.4	11	E	60.6	319.2	2	
15	59	37	48	+1	17	0				W	5.5	14	W	53.5	288.0	10	
16	69	38	54	+7	11	0				W	6.8	36	SW	51.4	342.6	10	KFR 1635
17	60	34	47	-1	18	0				NW	9.7	33	WNW	47.0	341.4	4	
18	59	35	47	-1	18	0				W	6.2	17	WNW	39.9	388.8	1	
19	59	35	47	-1	18	0				W	6.9	16	NW	37.0	400.2	1	
20	62	28	45	-3	20	0				W	4.5	12	WNW	45.1	360.0	8	
21	63	40	52	+4	13	0				SW	10.4	41	SW	55.8	148.2	10	
22	62	37	50	+2	15	0				W	10.5	29	WNW	43.6	387.0	2	
23	60	30	45	-3	20	0				NE	4.9	15	W	48.4	398.4	2	
24	63	35	49	+1	16	0				NW	6.3	16	N	48.0	363.6	8	
25	63	42	52	+4	13	0				SW	14.8	37	SW	47.2	242.4	9	KFR 1700
26	63	37	50	+2	15	0				W	14.9	34	SW	44.1	383.4	5	
27	62	28	45	-3	20	0				NW	6.0	14	ENE	54.3	361.2	2	
28	63	42	52	+4	13	0	0.06			SW	10.5	35	SSW	63.7	144.0	10	
29	60	40	50	+1	15	0	0.09			SW	17.8	50	WSW	62.3	270.0	9	KFR 0930
30	56	36	46	-3	19	0				SW	11.2	38	SW	50.9	343.8	8	
31	56	28	42	-7	23	0				SW	6.9	16	W	53.7	370.2	6	
SUM	/	/	/	/	561	0	0.20	/	/	/	/	/	/	/	/	/	/
AVG	59.2	34.5	/	/	/	/	/	/	/	/	8.3	/	/	/	/	5.6	/

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		0.20		A - Hail		AU - Aurora		BD - Blowing Dust							
(2) "T" in Columns 7-9 denotes a trace.		DEPARTURE FROM NORMAL		-0.38		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		0.15 ON 28-29		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		7		0.25 OR MORE		0		BAROMETRIC PRESSURE (IN.)							
AVERAGE FOR THE MONTH		46.9		0.01 OR MORE		5		0.50 OR MORE		0		AVERAGE STATION		29.207			
DEPARTURE FROM NORMAL		+0.8		0.10 OR MORE		0		1.00 OR MORE		0		HIGHEST SEA LEVEL		30.457 ON 17			
HIGHEST		69		ON		16		SNOW, ICE PELLETS (SLEET) (IN.)				LOWEST SEA LEVEL		29.373 ON 29			
LOWEST		23		ON		9		TOTAL FOR THE MONTH				0				SOLAR RADIATION (LANGLEYS)	
NUMBER OF DAYS WITH:		GREATEST IN 24 HOURS		NA		ON		NA		AVERAGE DAILY TOTAL		298.6					
MAXIMUM 32 OR BELOW		0		GREATEST ON GROUND		NA		ON		NA		GREATEST DAILY		400.2 ON 19			
MAXIMUM 90 OR ABOVE		0		WIND (50-FT LEVEL)				LEAST DAILY		43.8 ON 12							
MINIMUM 32 OR BELOW		12		AVERAGE SPEED (MPH)				8.3		MISCELLANEOUS NUMBER OF DAYS							
MINIMUM 0 OR BELOW		0		DEPARTURE FROM NORMAL				+0.4		CLEAR		9		FOG		0	
HEATING DEGREE DAYS (BASE 65°F)		PEAK GUST		WSW @ 50		ON		29+		PARTLY CLOUDY		9		THUNDER		0	
TOTAL FOR THE MONTH		561		AVERAGE PSYCHROMETRIC DATA				CLOUDY		13		DUST		0			
DEPARTURE FROM NORMAL		-26		DRY BULB (°F)		46.8		WET BULB (°F)		39.7		RELATIVE HUMIDITY EXTREMES (%)					
SEASONAL TOTAL (SINCE JULY 1)		4519		REL. HUM. (%)		54.4		DEW PT. (°F)		29.9		HIGHEST		98 ON 28+			
SEASONAL DEPARTURE FROM NORMAL		-102		+DENOTES LATEST OF SEVERAL DATES				LOWEST		17		ON		8			