Pacific Northwest National Laboratory

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CLIMATOLOGICAL DATA

HANFORD METEOROLOGY STATION

25 MILES N.W. OF RICHLAND, WASHINGTON

LATITUDE 46º 34' N., LONGITUDE 119º 36' W., ELEVATION (GROUND) 733 FEET

MONTH

March 2009

DATE	TEMPERATURE (ºF) (3-FT LEVEL) MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HEATING DEGREE DAYS (BASE 65ºF)	COOLING DEGREE DAYS (BASE 65ºF)	PRECIPITATION TOTAL (WATER EQUIVALENT IN IN.)	SNOW, ICE PELLETS (SLEET) (IN.)	SNOW, ICE PELLETS (SLEET) OR ICE ON GROUND AT 0400 (IN.)	WIND (50-FT LEVEL) PREVAILING DIRECTION	AVERAGE SPEED (MPH)	PEAK GUST SPEED (MPH)	PEAK GUST DIRECTION	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)
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17
1	47	37	42	0	23	0	0.16			NW	9.6	20	NW	75.2	91.2	10	
2	53	38	46	+4	19	0	0.02			SE	6.8	34	W	85.1	130.8	10	KFR 0610
3	55	37	46	+4	19	0	0.31			W	5.1	30	WSW	86.2	196.8	9	
4	52	31	42	0	23	0	T			SW	6.5	24	W	71.2	250.8	4	
5	48	28	38	-4	27	0	0.06	T		SW	12.7	44	WSW	63.5	105.0	10	A, KFR 0815
6	44	26	35	-8	30	0				S	5.8	14	WSW	52.6	339.6	1	
7	54	22	38	-6	27	0				W	10.0	49	W	65.9	322.8	2	BD, KFR 1245
8	45	27	36	-8	29	0				W	7.7	19	WSW	55.7	294.0	8	
9	42	22	32	-13	33	0	0.02	0.3		W	6.1	27	NW	72.4	225.0	6	DL
10	34	17	26	-20	39	0				NE	5.8	18	NE	49.2	367.2	2	
11	38	19	28	-18	37	0				N	6.2	16	N	50.8	342.6	4	
12	44	16	30	-16	35	0				W	4.6	11	WNW	52.0	368.4	1	
13	48	20	34	-12	31	0				NW	3.9	12	ESE	56.8	330.0	10	
14	50	29	40	-7	25	0				SW	12.6	40	SSW	60.0	83.4	10	
15	60	38	49	+2	16	0				SW	18.3	61	SW	52.6	319.8	8	BD, KFR 1330
16	56	37	46	-1	19	0				SW	13.4	37	SW	48.8	367.2	4	
17	56	33	44	-4	21	0	T			SW	10.0	44	WSW	56.6	298.8	9	
18	59	33	46	-2	19	0				NW	5.0	15	S	58.3	372.6	5	
19	63	36	50	+2	15	0				SW	6.2	20	SW	64.2	317.4	6	
20	68	37	52	+4	13	0	T			NW	9.3	32	SW	60.2	348.0	7	KFR 1600
21	56	40	48	0	17	0	0.07			NW	4.8	18	NW	66.1	202.8	10	
22	61	41	51	+3	14	0	T			W	9.9	35	WNW	64.0	186.6	9	DL
23	54	34	44	-4	21	0				W	8.4	34	WNW	44.2	366.0	7	
24	57	34	46	-2	19	0	0.02			W	6.7	25	WNW	66.7	195.6	10	
25	54	35	44	-4	21	0				NW	10.2	32	NNW	52.4	285.6	7	
26	53	30	42	-6	23	0				NE	6.2	16	NE	36.5	438.6	2	
27	63	29	46	-2	19	0				NW	8.3	32	WNW	49.2	205.8	10	KFR 2200
28	46	38	42	-6	23	0	0.13			W	8.8	34	WNW	71.5	113.4	10	
29	56	37	46	-3	19	0				NW	19.2	38	WNW	39.6	448.8	3	
30	58	28	43	-6	22	0				W	8.3	26	NW	43.2	387.0	6	
31	59	37	48	-1	17	0	0.01			W	18.3	52	W	46.7	416.4	5	KFR 1130
SUM					715	0	0.80	0.3									
AVG	52.7	31.2									8.9					6.6	

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 (ºF) (3-FT LEVEL)			
AVERAGE FOR THE MONTH			41.9
DEPARTURE FROM NORMAL			-4.2
HIGHEST	68	ON	20
LOWEST	16	ON	12
NUMBER OF DAYS WITH:			
MAXIMUM 32 OR BELOW			0
MAXIMUM 90 OR ABOVE			0
MINIMUM 32 OR BELOW			14
MINIMUM O OR BELOW			0
HEATING DEGREE DAYS (BASE 65ºF)			
TOTAL FOR THE MONTH			715
DEPARTURE FROM NORMAL			+128
SEASONAL TOTAL (SINCE JULY 1)			4989
SEASONAL DEPARTURE FROM NORMAL			+368

PRECIPITATION (IN.)			
TOTAL FOR THE MONTH		0.80	
DEPARTURE FROM NORMAL		+0.22	
GREATEST IN 24 HR	0.31	ON	3
NUMBER OF DAYS WITH:			
TRACE OR MORE	13	0.25 OR MORE	1
0.01 OR MORE	9	0.50 OR MORE	0
0.10 OR MORE	3	1.00 OR MORE	0
SNOW, ICE PELLETS (SLEET) (IN.)			
TOTAL FOR THE MONTH			0.3
GREATEST IN 24 HOURS	0.3	ON	9
GREATEST ON GROUND	NA	ON	MA
WIND (50-FT LEVEL)			
AVERAGE SPEED (MPH)			8.9
DEPARTURE FROM NORMAL			+1.0
PEAK GUST	SW @ 61	ON	15
AVERAGE PSYCHROMETRIC DATA			
DRY BULB (ºF)	41.3	WET BULB (ºF)	35.7
REL. HUM. (%)	58.6	DEW PT. (ºF)	26.6
+DENOTES LATEST OF SEVERAL DATES			

MISC. PHENOMENA NOTATIONS USED IN COL. 17		
A - Hail	AU - Aurora	BD - Blowing Dust
BS - Blowing Snow	D - Dust	DL - Distant Lightning
DS - Drifting Snow	F - Fog	GL - Glaze
IC - Ice Crystals	K - Smoke	T - Thunderstorm

BAROMETRIC PRESSURE (IN.)			
AVERAGE STATION			29.216
HIGHEST SEA LEVEL	30.552	ON	12
LOWEST SEA LEVEL	29.335	ON	15
SOLAR RADIATION (LANGLEYS)			
AVERAGE DAILY TOTAL			281.2
GREATEST DAILY	448.8	ON	29
LEAST DAILY	83.4	ON	14
MISCELLANEOUS NUMBER OF DAYS			
CLEAR	6	FOG	2
PARTLY CLOUDY	11	THUNDER	0
CLOUDY	14	DUST	2
RELATIVE HUMIDITY EXTREMES (%)			
HIGHEST	100	ON	3
LOWEST	19	ON	26