Pacific Northwest National Laboratory

Operated by Battelle for the U.S. Department of Energy

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 2011

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	39	31	35	-7	30	0	0.09	T		NW	6.5	18	WNW	91.7	84.0	10	
2	55	33	44	+1	21	0	0.02			SW	10.4	39	WSW	76.8	154.8	8	KFR 1500
3	54	28	41	-2	24	0				SW	10.9	29	SSW	56.5	227.4	7	
4	43	24	34	-9	31	0				NW	6.5	16	WNW	63.5	144.0	10	
5	55	23	39	-4	26	0				NW	5.1	15	NW	65.8	320.4	2	
6	52	30	41	-3	24	0				NW	5.3	13	WNW	55.3	299.4	7	
7	53	32	42	-2	23	0				NW	8.1	26	NW	47.0	312.0	6	
8	60	27	44	-1	21	0	T	T		NW	6.4	26	W	56.7	315.6	6	
9	64	37	50	+4	15	0	0.03			SW	7.2	34	SW	67.3	241.8	9	WFR 0900
10	57	37	47	+1	18	0	0.10			SW	14.6	50	WSW	68.2	178.8	7	BD, KFR1020
11	55	32	44	-2	21	0				S	6.9	20	WNW	51.7	301.8	8	
12	52	28	40	-7	25	0	0.01			NW	6.6	24	SSW	69.5	202.8	10	KFR 1800
13	47	31	39	-8	26	0	0.11			NW	7.7	42	S	86.5	112.2	10	KFR 1740
14	58	41	50	+3	15	0				SW	15.5	47	SW	53.3	316.2	6	
15	55	37	46	-1	19	0	0.14			SW	9.3	49	SW	74.3	131.4	10	KFR 2000
16	55	34	44	-4	21	0	0.01			W	8.4	35	WSW	58.0	258.0	9	
17	53	30	42	-6	23	0				S	7.3	22	S	57.0	277.8	6	
18	49	32	40	-8	25	0	0.07			NW	9.3	20	NW	73.4	200.4	10	
19	55	33	44	-4	21	0				SW	6.1	18	SSW	60.1	364.8	5	
20	47	30	38	-10	27	0	0.08			NW	12.6	28	NW	82.2	160.8	10	
21	57	39	48	0	17	0	0.01			NW	8.2	29	NW	73.2	250.2	10	KFR 1700
22	56	30	43	-5	22	0				SW	8.7	26	SW	52.5	409.8	2	
23	59	26	42	-6	23	0				NW	6.3	19	E	59.5	367.8	7	
24	62	38	50	+2	15	0				NW	7.8	27	SW	60.1	340.2	7	
25	56	30	43	-5	22	0	0.01			S	8.7	26	S	60.8	322.2	5	
26	52	27	40	-8	25	0	0.01			NW	6.8	20	W	77.4	241.8	9	KFR 1630
27	52	36	44	-4	21	0	0.13			SW	7.5	23	SW	76.0	166.8	9	
28	59	38	48	0	17	0	0.02			SW	8.5	23	S	56.9	400.8	4	KFR 0245
29	57	44	50	+1	15	0	0.03			SW	11.3	36	SW	63.8	180.6	10	
30	66	41	54	+5	11	0				NW	6.9	21	WNW	65.8	289.2	9	WFT 0530
31	72	48	60	+10	5	0				SW	15.5	41	WSW	48.4	342.6	7	
SUM					649	0	0.87	T									
AVG	55.0	33.1									8.6					7.6	

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.

PRECIPITATION (IN.)			
TOTAL FOR THE MONTH			0.87
DEPARTURE FROM NORMAL			+0.30
GREATEST IN 24 HR	0.15	ON	27-28
NUMBER OF DAYS WITH:			
TRACE OR MORE	17	0.25 OR MORE	0
0.01 OR MORE	16	0.50 OR MORE	0
0.10 OR MORE	4	1.00 OR MORE	0
SNOW, ICE PELLETS (SLEET) (IN.)			
TOTAL FOR THE MONTH			T
GREATEST IN 24 HOURS	T	ON	8+
GREATEST ON GROUND	NA	ON	NA
WIND (50-FT LEVEL)			
AVERAGE SPEED (MPH)			8.6
DEPARTURE FROM NORMAL			+0.7
PEAK GUST	WSW @ 50	ON	10
AVERAGE PSYCHROMETRIC DATA			
DRY BULB (ºF)	43.4	WET BULB (ºF)	39.1
REL. HUM. (%)	64.8	DEW PT. (ºF)	32.1
+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

TEMPERATURE (ºF) (3-FT LEVEL)			
AVERAGE FOR THE MONTH			44.1
DEPARTURE FROM NORMAL			-2.4
HIGHEST	72	ON	31
LOWEST	23	ON	5
NUMBER OF DAYS WITH:			
MAXIMUM 32 OR BELOW			0
MAXIMUM 90 OR ABOVE			0
MINIMUM 32 OR BELOW			17
MINIMUM O OR BELOW			0
HEATING DEGREE DAYS (BASE 65ºF)			
TOTAL FOR THE MONTH			649
DEPARTURE FROM NORMAL			+77
SEASONAL TOTAL (SINCE JULY 1)			4677
SEASONAL DEPARTURE FROM NORMAL			+137

BAROMETRIC PRESSURE (IN.)			
AVERAGE STATION			29.097
HIGHEST SEA LEVEL	30.333	ON	4
LOWEST SEA LEVEL	29.489	ON	24
SOLAR RADIATION (LANGLEYS)			
AVERAGE DAILY TOTAL			255.4
GREATEST DAILY	409.8	ON	22
LEAST DAILY	84.0	ON	1
MISCELLANEOUS NUMBER OF DAYS			
CLEAR	2	FOG	0
PARTLY CLOUDY	13	THUNDER	0
CLOUDY	16	DUST	0
RELATIVE HUMIDITY EXTREMES (%)			
HIGHEST	99	ON	26
LOWEST	25	ON	17+