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

February 2010

	TEMPERATURE (ºF) (3-FT LEVEL)						PRECIPITATION			WIND (50-FT LEVEL)							FRONTS AND MISC. PHENOMENA
DATE	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HEATING DEGREE DAYS (BASE 65ºF)	COOLING DEGREE DAYS (BASE 65ºF)	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	AVERAGE REL HUM %	SOLRAD (LANGLEYS*)	SKY COVER (TENTHS FROM SUNRISE TO SUNSET)	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	42	29	36	+4	29	0	0.01			NW	4.8	12	WNW	93.8	61.8	10	F
2	46	36	41	+9	24	0	T			NW	5.2	13	WNW	87.4	124.2	10	F
3	44	36	40	+8	25	0	0.04			NW	5.1	15	NW	87.8	66.0	10	
4	46	35	40	+8	25	0	T			NW	5.9	16	WNW	87.8	118.2	10	F
5	48	40	44	+12	21	0	0.12			NW	4.9	12	WNW	92.0	89.4	10	WFR 0400
6	50	42	46	+13	19	0				NW	7.6	15	NNW	76.5	93.0	10	
7	50	38	44	+10	21	0				E	4.5	12	NW	73.8	114.6	10	
8	45	38	42	+7	23	0				NW	3.9	10	WNW	85.9	76.8	10	
9	52	31	42	+6	23	0				NW	5.9	14	NW	74.6	142.8	10	
10	47	30	38	+1	27	0	0.01			SE	3.5	13	ESE	85.3	126.0	9	
11	45	34	40	+3	25	0	0.04			NW	4.7	12	WNW	95.6	73.8	10	F
12	56	36	46	+8	19	0	T			SW	8.1	40	SW	73.4	76.2	9	KFR 1530
13	55	36	46	+7	19	0				NW	6.2	17	WSW	70.3	149.4	10	
14	49	38	44	+4	21	0	0.02			NW	4.5	14	WNW	88.8	87.6	10	
15	49	30	40	0	25	0				NW	4.3	13	WNW	88.9	126.6	10	F
16	56	40	48	+8	17	0	0.06			W	5.0	16	WNW	85.5	165.0	6	F, KFR 0930
17	53	33	43	+3	22	0				NW	6.4	18	NW	71.8	252.6	0	
18	54	30	42	+2	23	0				W	6.5	13	WNW	71.2	256.2	0	F
19	52	32	42	+1	23	0				NW	8.2	16	NE	61.1	253.8	3	F
20	52	31	42	+1	23	0				NW	8.9	20	NNE	59.8	263.4	4	
21	50	29	40	-1	25	0				NW	5.9	15	NW	57.5	276.0	0	
22	53	20	36	-5	29	0				SE	4.4	11	SSE	61.4	284.4	0	
23	47	24	36	-5	29	0	T			NW	5.8	19	W	63.8	186.0	9	
24	58	35	46	+5	19	0	T			W	7.4	25	SW	72.3	232.2	7	
25	60	32	46	+5	19	0				SW	7.0	24	WSW	59.6	294.6	2	
26	42	39	40	-1	25	0	0.26			NW	8.6	15	NW	91.8	47.4	10	KFR 2330
27	58	32	45	+4	20	0				NW	5.0	15	W	86.1	243.0	7	F
28	58	31	44	+3	21	0				E	4.1	11	WNW	81.1	285.0	6	
29																	
30																	
31																	
SUM					641	0	0.56										
AVG	50.6	33.5									5.8					7.2	

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			0.56
DEPARTURE FROM NORMAL			-0.13
GREATEST IN 24 HR	0.26	ON	26
NUMBER OF DAYS WITH:			
TRACE OR MORE	13	0.25 OR MORE	1
0.01 OR MORE	8	0.50 OR MORE	0
0.10 OR MORE	2	1.00 OR MORE	0
SNOW, ICE PELLETS (SLEET) (IN.)			
TOTAL FOR THE MONTH			0
GREATEST IN 24 HOURS	NA	ON	NA
GREATEST ON GROUND	NA	ON	NA
WIND (50-FT LEVEL)			
AVERAGE SPEED (MPH)			5.8
DEPARTURE FROM NORMAL			-1.2
PEAK GUST	SW @ 40	ON	12
AVERAGE PSYCHROMETRIC DATA			
DRY BULB (ºF)	41.6	WET BULB (ºF)	38.6
REL. HUM. (%)	78.0	DEW PT. (ºF)	34.6
+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

TEMPERATURE (ºF) (3-FT LEVEL)			
AVERAGE FOR THE MONTH			42.0
DEPARTURE FROM NORMAL			+4.1
HIGHEST	60	ON	25
LOWEST	20	ON	22
NUMBER OF DAYS WITH:			
MAXIMUM 32 OR BELOW			0
MAXIMUM 90 OR ABOVE			0
MINIMUM 32 OR BELOW			13
MINIMUM O OR BELOW			0
HEATING DEGREE DAYS (BASE 65ºF)			
TOTAL FOR THE MONTH			641
DEPARTURE FROM NORMAL			-126
SEASONAL TOTAL (SINCE JULY 1)			3958
SEASONAL DEPARTURE FROM NORMAL			-76

BAROMETRIC PRESSURE (IN.)			
AVERAGE STATION			29.221
HIGHEST SEA LEVEL	30.301	ON	15
LOWEST SEA LEVEL	29.627	ON	26
SOLAR RADIATION (LANGLEYS)			
AVERAGE DAILY TOTAL			163.1
GREATEST DAILY	294.6	ON	25
LEAST DAILY	47.4	ON	26
MISCELLANEOUS NUMBER OF DAYS			
CLEAR	6	FOG	9
PARTLY CLOUDY	5	THUNDER	0
CLOUDY	17	DUST	0
RELATIVE HUMIDITY EXTREMES (%)			
HIGHEST	100	ON	27+
LOWEST	25	ON	21