

Pacific Northwest National Laboratory

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

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

February 2011

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	32	16	24	-11	41	0				NW	5.2	12	NW	66.0	206.4	0	
2	35	14	24	-11	41	0				W	4.3	11	E	67.7	178.8	6	
3	36	18	27	-8	38	0				NW	3.5	9	ENE	70.0	129.0	10	
4	50	24	37	+3	28	0				NW	4.5	26	WNW	68.7	174.0	9	
5	54	43	48	+14	17	0				W	11.2	29	WNW	51.8	96.0	10	
6	46	30	38	+3	27	0				E	4.3	15	WNW	74.7	91.2	10	
7	52	31	42	+7	23	0				W	10.5	35	W	56.5	103.8	8	KFR 0300
8	44	25	34	-2	31	0				NW	8.1	21	NNW	56.6	147.6	8	
9	46	19	32	-4	33	0				SE	4.4	13	ESE	71.5	238.8	0	
10	47	19	33	-4	32	0				NW	4.4	10	NW	76.1	241.2	1	
11	46	27	36	-1	29	0				NW	3.2	10	WNW	76.3	160.2	10	
12	66	30	48	+10	17	0				SW	15.3	68	SW	52.9	118.2	9	BD, KFR 2000
13	56	36	46	+7	19	0				SW	7.1	23	SSW	57.8	210.0	8	
14	51	37	44	+5	21	0	0.02			SW	8.5	42	WSW	71.6	90.0	10	KFR 2015
15	49	38	44	+5	21	0	T			S	8.9	31	SW	69.1	108.6	10	
16	45	31	38	-2	27	0				SW	9.7	27	S	56.4	129.6	9	
17	48	24	36	-4	29	0				SW	6.9	20	SW	62.9	210.6	6	
18	47	27	37	-3	28	0				NW	6.4	14	NNW	72.4	220.2	6	
19	46	30	38	-2	27	0				NW	12.0	28	N	50.8	234.6	4	
20	47	23	35	-6	30	0				W	6.6	16	W	49.2	274.2	0	
21	49	19	34	-7	31	0				SW	8.1	35	SW	55.5	257.4	4	
22	49	30	40	-1	25	0	T	T		W	13.0	32	W	50.8	202.2	6	A, KFR 1030
23	48	26	37	-4	28	0				SW	11.3	36	SSW	55.0	205.2	9	
24	29	10	20	-21	45	0				NE	11.6	26	NE	61.5	161.4	10	KFR 0500 (Arctic)
25	27	8	18	-23	47	0				NW	7.9	23	N	53.3	301.8	0	
26	35	2	18	-23	47	0				S	4.3	12	NNE	52.4	230.4	7	
27	52	16	34	-7	31	0				SW	15.9	50	SSW	55.5	244.8	7	
28	47	35	41	0	24	0	0.01			SW	14.5	51	SW	63.1	109.8	10	KFR 0900
29																	
30																	
31																	
SUM					837	0	0.03		T								
AVG	45.7	24.6									8.3						6.7

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 (°F) (3-FT LEVEL)		PRECIPITATION (IN.)				MISC. PHENOMENA NOTATIONS USED IN COL. 17					
TOTAL FOR THE MONTH		0.03				A - Hail AU - Aurora BD - Blowing Dust					
DEPARTURE FROM NORMAL		-0.67				BS - Blowing Snow D - Dust DL - Distant Lightning					
GREATEST IN 24 HR		0.02	ON	14	DS - Drifting Snow F - Fog GL - Glaze						
NUMBER OF DAYS WITH:						IC - Ice Crystals K - Smoke T - Thunderstorm					
TRACE OR MORE		4	0.25 OR MORE	0	BAROMETRIC PRESSURE (IN.)						
AVERAGE FOR THE MONTH		35.1	0.01 OR MORE	2	0.50 OR MORE	0	AVERAGE STATION		29.260		
DEPARTURE FROM NORMAL		-3.1	0.10 OR MORE	0	1.00 OR MORE	0	HIGHEST SEA LEVEL		30.823 ON 1		
HIGHEST		66	ON	12	SNOW, ICE PELLETS (SLEET) (IN.)				LOWEST SEA LEVEL	29.489 ON 16	
LOWEST		2	ON	26	TOTAL FOR THE MONTH				T SOLAR RADIATION (LANGLEYS)		
NUMBER OF DAYS WITH:						GREATEST IN 24 HOURS		T	ON	22	
MAXIMUM 32 OR BELOW		3	GREATEST ON GROUND		na	ON	na	AVERAGE DAILY TOTAL		181.3	
MAXIMUM 90 OR ABOVE		0	WIND (50-FT LEVEL)				GREATEST DAILY		301.8	ON 25	
MINIMUM 32 OR BELOW		23	AVERAGE SPEED (MPH)				LEAST DAILY		90.0	ON 14	
MINIMUM 0 OR BELOW		0	DEPARTURE FROM NORMAL				MISCELLANEOUS NUMBER OF DAYS				
HEATING DEGREE DAYS (BASE 65°F)		PEAK GUST		SW @ 68	ON	12	CLEAR	5	FOG	0	
TOTAL FOR THE MONTH		837	AVERAGE PSYCHROMETRIC DATA				CLOUDY		15	DUST	0
DEPARTURE FROM NORMAL		+80	DRY BULB (°F)		35.4	WET BULB (°F)		30.9	RELATIVE HUMIDITY EXTREMES (%)		
SEASONAL TOTAL (SINCE JULY 1)		4028	REL. HUM. (%)		61.6	DEW PT. (°F)		22.7	HIGHEST	97 ON 6	
SEASONAL DEPARTURE FROM NORMAL		+60	+DENOTES LATEST OF SEVERAL DATES				LOWEST		23	ON 12	