

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

October 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	85	58	72	+11	0	7				NW	6.1	15	SSE	46.0	343.8	0	
2	84	48	66	+6	0	1				NW	4.7	12	WNW	56.3	336.6	0	
3	72	58	65	+5	0	0	T			NW	6.1	23	NW	61.5	121.8	10	
4	73	50	62	+3	3	0				NW	12.9	39	WNW	44.8	321.6	3	
5	74	48	61	+3	4	0				W	7.5	18	NNW	43.5	341.4	0	
6	75	48	62	+4	3	0				NW	6.8	17	WNW	43.5	328.8	0	
7	67	49	58	0	7	0	T			SE	4.7	19	SSE	76.3	117.6	10	
8	70	50	60	+3	5	0				SW	5.9	16	W	65.1	206.4	8	
9	63	51	57	0	8	0	0.08			SE	5.0	18	SSE	86.4	117.6	10	WFR 0130
10	72	47	60	+3	5	0	0.06			NW	10.3	32	WNW	65.2	101.4	9	KFR 0930
11	66	41	54	-2	11	0				W	7.5	28	WNW	50.6	312.6	0	
12	64	34	49	-7	16	0				W	3.8	10	W	62.8	280.8	5	
13	68	36	52	-3	13	0				SW	5.9	14	W	57.0	295.2	2	
14	68	36	52	-2	13	0				E	4.8	19	WNW	64.5	271.8	3	KFR 2000
15	64	39	52	-2	13	0				NW	8.3	30	WNW	42.6	291.0	3	
16	62	36	49	-4	16	0				NW	6.5	16	NW	44.0	272.4	4	
17	62	29	46	-6	19	0				NE	4.0	10	WSW	56.0	282.6	0	
18	64	32	48	-3	17	0				E	4.3	11	ESE	56.5	256.8	9	
19	66	32	49	-2	16	0				E	4.1	11	WNW	59.1	262.2	4	
20	67	39	53	+3	12	0				W	5.0	12	WNW	58.3	248.4	0	
21	66	34	50	0	15	0				E	3.1	11	WSW	66.5	247.8	0	
22	68	40	54	+4	11	0	T			W	5.6	20	SW	58.2	150.0	9	
23	62	46	54	+5	11	0	0.10			SE	5.6	19	SW	84.4	134.4	10	KFR 0700
24	60	47	54	+5	11	0	0.13			SW	15.5	45	SW	67.4	145.2	8	KFR 1300
25	57	43	50	+2	15	0				SW	18.4	44	SW	57.3	114.0	8	
26	58	41	50	+2	15	0				SW	13.1	34	SW	55.6	187.8	8	
27	60	35	48	+1	17	0				NW	6.7	21	E	65.9	222.6	4	
28	52	45	48	+1	17	0	0.06			NW	8.2	19	NW	80.5	85.8	10	
29	59	42	50	+4	15	0	0.17			E	4.7	11	ENE	90.2	192.6	5	F
30	48	42	45	0	20	0	0.01			SE	4.5	12	SE	91.5	61.2	10	
31	61	40	50	+5	15	0	0.01			S	8.1	25	WSW	69.0	219.6	3	F, KFR 0400
SUM					343	8	0.62		0								
AVG	65.7	42.5									7.0						5.0

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					
AVERAGE FOR THE MONTH		TOTAL FOR THE MONTH		0.62		A - Hail		AU - Aurora		BD - Blowing Dust	
DEPARTURE FROM NORMAL		DEPARTURE FROM NORMAL		+0.13		BS - Blowing Snow		D - Dust		DL - Distant Lightning	
HIGHEST		GREATEST IN 24 HR		0.23		DS - Drifting Snow		F - Fog		GL - Glaze	
LOWEST		NUMBER OF DAYS WITH:		ON		IC - Ice Crystals		K - Smoke		T - Thunderstorm	
TRACE OR MORE		11		0.25 OR MORE		0		BAROMETRIC PRESSURE (IN.)			
0.01 OR MORE		8		0.50 OR MORE		0		AVERAGE STATION		29.242	
0.10 OR MORE		3		1.00 OR MORE		0		HIGHEST SEA LEVEL		30.451 ON 12	
SNOW, ICE PELLETS (SLEET) (IN.)		TOTAL FOR THE MONTH		0		LOWEST SEA LEVEL		29.341		ON 24	
GREATEST IN 24 HOURS		na		ON		na		SOLAR RADIATION (LANGLEYS)			
GREATEST ON GROUND		na		ON		na		AVERAGE DAILY TOTAL		221.7	
WIND (50-FT LEVEL)		AVERAGE SPEED (MPH)		7.0		MISCELLANEOUS NUMBER OF DAYS		CLEAR		13	
DEPARTURE FROM NORMAL		+0.6		CLEAR		13		FOG		2	
PEAK GUST		SW @ 45		ON		24		PARTLY CLOUDY		5	
HEATING DEGREE DAYS (BASE 65°F)		343		AVERAGE PSYCHROMETRIC DATA		CLOUDY		13		DUST	
DEPARTURE FROM NORMAL		-33		DRY BULB (°F)		53.6		WET BULB (°F)		46.7	
SEASONAL TOTAL (SINCE JULY 1)		396		REL. HUM. (%)		62.1		DEW PT. (°F)		39.5	
SEASONAL DEPARTURE FROM NORMAL		-64		+DENOTES LATEST OF SEVERAL DATES		HIGHEST		99		ON 31+	
						LOWEST		21		ON 15	