

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

July 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	83	52	68	-4	0	3				NW	8.5	32	WNW	40.5	507.0	10	
2	74	54	64	-8	1	0	0.05			W	10.9	34	NW	50.1	372.0	7	T
3	80	53	66	-6	0	1				W	8.7	31	NW	40.0	603.0	5	
4	83	49	66	-6	0	1				NW	12.0	46	WNW	44.9	613.8	8	
5	82	56	69	-3	0	4				NW	9.4	26	WNW	38.0	611.4	3	
6	87	58	72	-1	0	7				NW	7.1	22	NE	34.4	667.8	0	
7	96	58	77	+4	0	12				NE	7.8	23	ENE	31.1	666.6	0	
8	100	66	83	+10	0	18				NW	7.1	16	WNW	26.2	652.8	0	
9	105	64	84	+10	0	19				NW	8.2	34	WNW	26.5	637.8	0	
10	100	75	88	+14	0	23				NW	9.1	30	WNW	27.6	568.8	0	
11	101	72	86	+11	0	21				NW	11.6	39	WNW	34.8	637.8	4	
12	82	59	70	-5	0	5				NW	19.3	45	NW	37.3	673.8	0	KFR 0400
13	79	53	66	-9	0	1				W	7.2	31	E	35.5	598.2	0	
14	87	56	72	-4	0	7				SE	5.9	22	NE	35.4	635.4	3	
15	99	56	78	+2	0	13				W	8.2	32	NW	30.4	641.4	0	
16	97	64	80	+3	0	15				W	10.4	33	WNW	24.8	650.4	0	
17	94	57	76	-1	0	11				NW	7.6	31	W	27.5	645.6	0	
18	92	62	77	0	0	12				NW	10.7	35	WNW	28.3	649.2	0	
19	92	57	74	-4	0	9				NW	6.2	25	W	28.7	634.8	0	
20	95	60	78	0	0	13				NW	6.7	20	N	30.7	626.4	1	
21	97	66	82	+3	0	17				NW	9.6	27	NW	24.0	621.0	0	
22	91	65	78	-1	0	13				NW	15.1	45	WNW	31.4	574.8	6	
23	91	59	75	-4	0	10				W	7.1	22	WNW	31.8	630.6	0	
24	98	59	78	-1	0	13				SE	4.8	16	SSE	29.8	626.4	0	
25	103	63	83	+3	0	18				NW	8.0	27	NW	24.2	625.2	0	
26	103	67	85	+5	0	20				SE	6.9	20	NW	19.2	626.4	2	
27	99	65	82	+2	0	17				E	8.6	33	E	32.8	487.8	7	DL
28	89	66	78	-2	0	13	0.04			NW	7.8	31	S	48.1	289.2	6	DL
29	99	59	79	-1	0	14				E	5.5	17	ENE	44.1	539.4	2	
30	99	70	84	+4	0	19	0.03			NW	8.4	26	WNW	24.5	421.2	4	T, DL
31	88	67	78	-1	0	13	0.34			NW	8.4	51	W	57.1	472.8	6	T, DL
SUM	/	/	/	/	1	362	0.46	/	/	/	/	/	/	/	/	/	/
AVG	92.4	60.9	/	/	/	/	/	/	/	/	8.8	/	/	/	/	2.4	/

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		0.46		A - Hail		AU - Aurora		BD - Blowing Dust	
DEPARTURE FROM NORMAL		DEPARTURE FROM NORMAL		+0.19		BS - Blowing Snow		D - Dust		DL - Distant Lightning	
HIGHEST		GREATEST IN 24 HR		0.34 ON 31		DS - Drifting Snow		F - Fog		GL - Glaze	
LOWEST		NUMBER OF DAYS WITH:				IC - Ice Crystals		K - Smoke		T - Thunderstorm	
AVERAGE FOR THE MONTH		TRACE OR MORE		4 0.25 OR MORE		1		BAROMETRIC PRESSURE (IN.)			
DEPARTURE FROM NORMAL		0.01 OR MORE		4 0.50 OR MORE		0		AVERAGE STATION		29.117	
HIGHEST		0.10 OR MORE		1 1.00 OR MORE		0		HIGHEST SEA LEVEL		30.150 ON 14	
LOWEST		SNOW, ICE PELLETS (SLEET) (IN.)						LOWEST SEA LEVEL		29.586 ON 16	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH		0				SOLAR RADIATION (LANGLEYS)			
MAXIMUM 32 OR BELOW		GREATEST IN 24 HOURS		NA ON NA				AVERAGE DAILY TOTAL		587.4	
MAXIMUM 90 OR ABOVE		GREATEST ON GROUND		NA ON NA				GREATEST DAILY		673.8 ON 12	
MINIMUM 32 OR BELOW		WIND (50-FT LEVEL)						LEAST DAILY		289.2 ON 28	
MINIMUM 0 OR BELOW		AVERAGE SPEED (MPH)		8.8				MISCELLANEOUS NUMBER OF DAYS			
HEATING DEGREE DAYS (BASE 65°F)		DEPARTURE FROM NORMAL		+0.2				CLEAR		21 FOG 0	
TOTAL FOR THE MONTH		PEAK GUST		W @ 51 ON 31				PARTLY CLOUDY		8 THUNDER 3	
DEPARTURE FROM NORMAL		AVERAGE PSYCHROMETRIC DATA						CLOUDY		2 DUST 0	
SEASONAL TOTAL (SINCE JULY 1)		DRY BULB (°F)		77.1 WET BULB (°F)		58.4		RELATIVE HUMIDITY EXTREMES (%)			
SEASONAL DEPARTURE FROM NORMAL		REL. HUM. (%)		33.5 DEW PT. (°F)		44.3		HIGHEST		89 ON 29	
		+DENOTES LATEST OF SEVERAL DATES						LOWEST		10 ON 16	