

Pacific Northwest National Laboratory

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

HANFORD METEOROLOGY STATION

25 MILES N.W. OF RICHLAND, WASHINGTON

MONTH

CLIMATOLOGICAL DATA

LATITUDE 46° 34' N., LONGITUDE 119° 36' W., ELEVATION (GROUND) 733 FEET

August 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	89	59	74	-5	0	9				NW	4.9	17	E	49.5	553.2	0	
2	93	61	77	-2	0	12				E	7.6	17	ENE	45.4	507.0	8	
3	94	61	78	-1	0	13				NE	5.8	25	N	42.0	525.0	0	
4	95	67	81	+2	0	16				NW	9.3	21	NNE	37.7	530.4	3	DL
5	99	70	84	+5	0	19				NW	8.4	28	WNW	35.3	568.8	0	
6	98	66	82	+3	0	17				NW	11.1	35	NW	32.7	529.8	1	K
7	92	66	79	0	0	14				NW	12.3	31	NW	40.3	549.6	2	
8	90	62	76	-3	0	11				NW	8.1	27	NW	44.5	555.0	2	
9	90	62	76	-2	0	11				NW	12.1	42	WNW	40.9	557.4	3	
10	82	57	70	-8	0	5				NW	6.8	23	NW	42.4	455.4	5	
11	88	61	74	-4	0	9	T			NW	6.4	19	SSE	42.7	465.6	5	
12	95	58	73	-1	0	11				NW	8.7	33	WNW	37.0	577.8	0	
13	92	65	78	+2	0	13				NE	10.7	28	ENE	28.9	578.4	0	
14	96	62	79	+3	0	14				NE	10.1	26	ENE	30.4	577.2	0	
15	97	66	82	+7	0	17				N	8.5	24	N	27.5	579.0	0	
16	100	64	82	+7	0	17				NW	6.1	16	NW	24.5	567.0	0	
17	103	61	82	+8	0	17				E	5.7	23	SW	27.7	552.6	2	
18	100	71	86	+12	0	21				W	10.5	28	SSE	22.8	515.4	3	
19	95	59	77	+3	0	12				NW	10.9	39	NW	28.3	556.2	0	
20	88	52	70	-3	0	5				NW	7.4	28	WNW	33.0	555.6	1	
21	86	60	73	0	0	8				NW	10.3	37	NW	30.7	396.0	8	DL
22	80	59	70	-3	0	5				W	15.3	41	NW	37.1	423.6	2	
23	81	50	66	-7	0	1				W	5.9	20	E	38.5	545.4	0	
24	90	54	72	-1	0	7				W	7.7	19	NE	29.8	540.0	0	
25	97	58	78	+6	0	13				SE	5.1	14	WNW	24.0	526.2	0	
26	93	53	73	+1	0	8				NW	11.2	46	WNW	37.5	503.4	0	KFR 1225
27	77	51	64	-8	1	0				NW	8.3	23	NW	39.2	495.6	6	
28	78	57	68	-4	0	3				NW	9.3	24	WNW	35.8	396.0	9	
29	79	55	67	-5	0	2				NW	9.8	28	WNW	37.1	488.4	1	
30	73	50	62	-10	3	0				W	5.7	22	W	42.7	331.2	7	
31	68	49	58	-13	7	0	0.13			SW	8.0	27	SW	60.2	218.4	10	
SUM					11	310	0.13										
AVG	89.6	59.5									8.6						2.5

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		0.13				A - Hail AU - Aurora BD - Blowing Dust							
DEPARTURE FROM NORMAL		-0.14				BS - Blowing Snow D - Dust DL - Distant Lightning							
GREATEST IN 24 HR		0.13	ON	31	DS - Drifting Snow F - Fog GL - Glaze								
NUMBER OF DAYS WITH:						IC - Ice Crystals K - Smoke T - Thunderstorm							
TRACE OR MORE		2	0.25 OR MORE	0	BAROMETRIC PRESSURE (IN.)								
AVERAGE FOR THE MONTH		74.6	0.01 OR MORE	1	0.50 OR MORE	0	AVERAGE STATION		29.083				
DEPARTURE FROM NORMAL		-0.8	0.10 OR MORE	1	1.00 OR MORE	0	HIGHEST SEA LEVEL		30.366 ON 23				
HIGHEST	103	ON	17	SNOW, ICE PELLETS (SLEET) (IN.)				LOWEST SEA LEVEL		29.604 ON 17			
LOWEST	49	ON	31	TOTAL FOR THE MONTH				SOLAR RADIATION (LANGLEYS)					
NUMBER OF DAYS WITH:						AVERAGE DAILY TOTAL				507.1			
MAXIMUM 32 OR BELOW		0	GREATEST IN 24 HOURS		NA	ON	NA	GREATEST DAILY		579.0 ON 15			
MAXIMUM 90 OR ABOVE		19	WIND (50-FT LEVEL)				LEAST DAILY				218.4 ON 31		
MINIMUM 32 OR BELOW		0	AVERAGE SPEED (MPH)				MISCELLANEOUS NUMBER OF DAYS						
MINIMUM 0 OR BELOW		0	DEPARTURE FROM NORMAL				+0.7	CLEAR	23	FOG	0		
HEATING DEGREE DAYS (BASE 65°F)		11	PEAK GUST				WNW @ 46	ON	26	PARTLY CLOUDY	4	THUNDER	0
TOTAL FOR THE MONTH		11	AVERAGE PSYCHROMETRIC DATA				CLOUDY				4	DUST	0
DEPARTURE FROM NORMAL		+6	DRY BULB (°F)		74.5	WET BULB (°F)		57.5	RELATIVE HUMIDITY EXTREMES (%)				
SEASONAL TOTAL (SINCE JULY 1)		12	REL. HUM. (%)		36.3	DEW PT. (°F)		44.1	HIGHEST		85	ON	31
SEASONAL DEPARTURE FROM NORMAL		+3	+DENOTES LATEST OF SEVERAL DATES				LOWEST		11	ON	19		