

Pacific Northwest National Laboratory

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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

June 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	76	51	64	-2	1	0	T			SW	9.1	25	W	45.5	520.2	8	
2	68	53	60	-6	5	0	0.34			SE	11.1	33	WSW	78.5	150.0	10	KFR 1815
3	69	47	58	-8	7	0	0.12			SW	8.3	21	SW	51.5	514.8	9	
4	71	48	60	-7	5	0	0.26			NW	9.4	34	NW	71.3	448.2	7	KFR 0600
5	75	44	60	-7	5	0				SW	5.5	18	SW	49.1	640.8	0	
6	74	55	64	-3	1	0	T			NW	8.8	23	NW	56.8	429.6	9	
7	80	57	68	+1	0	3				W	12.4	31	NW	44.4	585.0	4	
8	79	46	62	-5	3	0	0.18			W	5.9	17	W	50.0	519.6	6	
9	76	55	66	-1	0	1	0.09			SW	14.7	43	SW	58.1	541.8	5	DL, KFR 0515
10	73	51	62	-6	3	0	0.04			W	13.9	40	WNW	51.9	492.0	6	T
11	79	54	66	-2	0	1				NW	7.8	26	WNW	42.7	643.8	2	
12	84	52	68	-1	0	3				NW	6.6	19	ENE	44.4	676.2	0	
13	91	55	73	+4	0	8				NW	10.9	42	WNW	40.2	675.0	0	
14	81	56	68	-1	0	3				NW	12.9	43	WNW	33.5	627.0	4	
15	73	50	62	-7	3	0				W	11.8	34	W	36.6	587.4	4	
16	70	45	58	-11	7	0				W	8.5	24	WNW	47.1	462.6	7	
17	73	55	64	-6	1	0	T			W	9.8	26	W	45.5	379.8	9	
18	82	46	64	-6	1	0	T			NE	7.4	22	ENE	43.2	667.2	3	
19	78	59	68	-2	0	3	0.07			NW	8.1	25	WNW	60.2	355.8	9	
20	73	56	64	-7	1	0	0.04			NW	8.0	27	WNW	60.2	259.8	10	
21	77	57	67	-4	0	2	0.01			W	9.7	30	NW	48.4	391.8	8	
22	85	53	69	-2	0	4				E	6.4	24	NW	42.1	656.4	2	
23	89	63	76	+5	0	11	T			NW	7.1	21	NW	40.2	495.6	9	
24	92	65	78	+7	0	13				NW	9.9	25	WNW	34.6	601.2	5	
25	90	66	78	+6	0	13				NW	9.7	31	NW	33.8	577.8	5	
26	91	57	74	+2	0	9				NW	10.2	36	NW	30.2	658.8	1	
27	92	57	74	+2	0	9				S	7.9	23	NW	37.1	657.6	0	
28	95	60	78	+6	0	13				W	10.7	31	NW	39.7	669.0	0	
29	83	57	70	-2	0	5				NW	12.6	37	WNW	34.8	641.4	3	
30	77	50	64	-8	1	0				SE	7.4	22	WNW	33.2	563.4	6	
31																	
SUM					44	101	1.15		0								
AVG	79.9	54.0									9.4						5.0

NOTES:		PRECIPITATION (IN.)				MISC. PHENOMENA NOTATIONS USED IN COL. 17											
(1) Unless otherwise specified, the daily summary period is from midnight to midnight Pacific Standard Time.		TOTAL FOR THE MONTH		1.15		A - Hail		AU - Aurora		BD - Blowing Dust							
(2) "T" in Columns 7-9 denotes a trace.		DEPARTURE FROM NORMAL		+0.88		BS - Blowing Snow		D - Dust		DL - Distant Lightning							
(3) The Langley (Col. 15) is the unit used to denote one gram calorie/cm².		GREATEST IN 24 HR		0.34 ON 2		DS - Drifting Snow		F - Fog		GL - Glaze							
		NUMBER OF DAYS WITH:				IC - Ice Crystals		K - Smoke		T - Thunderstorm							
TEMPERATURE (°F) (3-FT LEVEL)		TRACE OR MORE		14		0.25 OR MORE		2		BAROMETRIC PRESSURE (IN.)							
AVERAGE FOR THE MONTH		66.9		0.01 OR MORE		9		0.50 OR MORE		0		AVERAGE STATION		29.162			
DEPARTURE FROM NORMAL		-2.4		0.10 OR MORE		4		1.00 OR MORE		0		HIGHEST SEA LEVEL		30.295 ON 12			
HIGHEST		95		ON		28		SNOW, ICE PELLETS (SLEET) (IN.)		LOWEST SEA LEVEL		29.610		ON 4			
LOWEST		44		ON		5		TOTAL FOR THE MONTH		0		SOLAR RADIATION (LANGLEYS)					
NUMBER OF DAYS WITH:		GREATEST IN 24 HOURS		NA		ON		NA		AVERAGE DAILY TOTAL		536.6					
MAXIMUM 32 OR BELOW		0		GREATEST ON GROUND		NA		ON		NA		GREATEST DAILY		676.2 ON 12			
MAXIMUM 90 OR ABOVE		6		WIND (50-FT LEVEL)		LEAST DAILY		150.0		ON		2					
MINIMUM 32 OR BELOW		0		AVERAGE SPEED (MPH)		9.4		MISCELLANEOUS NUMBER OF DAYS									
MINIMUM 0 OR BELOW		0		DEPARTURE FROM NORMAL		+0.3		CLEAR		10		FOG		0			
HEATING DEGREE DAYS (BASE 65°F)		PEAK GUST		WNW @ 43		ON		14+		PARTLY CLOUDY		11		THUNDER		1	
TOTAL FOR THE MONTH		44		AVERAGE PSYCHROMETRIC DATA		CLOUDY		9		DUST		0					
DEPARTURE FROM NORMAL		+11		DRY BULB (°F)		66.8		WET BULB (°F)		54.2		RELATIVE HUMIDITY EXTREMES (%)					
SEASONAL TOTAL (SINCE JULY 1)		5162		REL. HUM. (%)		46.2		DEW PT. (°F)		43.6		HIGHEST		99 ON 4			
SEASONAL DEPARTURE FROM NORMAL		+2		+DENOTES LATEST OF SEVERAL DATES		LOWEST		16		ON		14					