

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

September 2009

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	96	61	78	+7	0	13				W	6.9	22	SSW	39.4	458.4	2	
2	96	58	77	+6	0	12				SE	5.0	22	WSW	40.3	444.6	5	
3	80	59	70	0	0	5				W	11.4	39	WSW	38.0	381.0	8	DL, KFR 0330
4	80	51	66	-4	0	1				W	6.3	14	WSW	42.7	295.2	8	
5	85	59	72	+2	0	7	0.06			W	8.6	32	NW	48.1	334.2	10	DL, KFR 1800
6	73	53	63	-7	2	0	T			SW	14.3	46	W	52.4	334.2	7	
7	76	43	60	-9	5	0				W	7.2	20	NNW	52.0	420.0	1	
8	77	43	60	-9	5	0				E	5.4	16	ENE	47.8	454.2	2	
9	83	50	66	-2	0	1				SE	6.1	24	WNW	42.7	283.2	8	
10	84	55	70	+2	0	5				W	6.1	20	WNW	40.6	446.4	0	
11	89	61	75	+7	0	10				NW	8.1	15	NW	31.8	441.6	0	
12	93	60	76	+9	0	11				NW	7.0	16	NW	31.3	426.6	0	
13	96	59	78	+11	0	13				W	7.3	25	NW	30.3	426.6	0	
14	91	62	76	+9	0	11				W	7.7	27	NW	43.9	402.0	6	
15	85	57	71	+5	0	6				E	5.5	13	ESE	43.7	366.0	7	
16	93	65	79	+13	0	14				NW	11.1	33	WNW	39.7	401.4	1	
17	83	55	69	+4	0	4				W	8.4	29	WNW	33.6	417.0	1	DL
18	85	44	64	-1	1	0				NW	4.7	11	W	37.7	411.6	0	
19	81	52	66	+2	0	1	T			NW	8.9	38	WNW	43.5	175.2	10	KFR 1400
20	75	50	62	-2	3	0				W	7.9	23	W	37.8	406.2	0	
21	79	40	60	-3	5	0				W	4.2	13	ENE	40.1	396.0	0	
22	85	53	69	+6	0	4				NW	7.7	16	W	29.4	394.2	0	
23	90	55	72	+10	0	7				NW	4.9	15	E	33.5	379.8	0	
24	92	51	72	+10	0	7				NW	5.8	27	NW	38.2	357.0	4	
25	88	51	70	+8	0	5				W	6.0	19	WNW	36.5	374.4	0	
26	88	55	72	+10	0	7				NW	12.2	36	NW	28.6	373.2	1	
27	76	53	64	+2	1	0				NW	8.0	17	WNW	27.3	375.0	0	
28	79	44	62	0	3	0				W	9.7	29	W	31.0	319.8	5	KFR 1745
29	68	44	56	-6	9	0				W	10.1	28	WSW	43.9	308.4	5	DL
30	65	42	54	-7	11	0				NW	12.0	29	NW	39.7	281.4	2	
31																	
SUM					45	144											
AVG	83.7	52.8									7.8					3.1	

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		0.06				A - Hail AU - Aurora BD - Blowing Dust						
DEPARTURE FROM NORMAL		-0.27				BS - Blowing Snow D - Dust DL - Distant Lightning						
GREATEST IN 24 HR		0.06	ON	5	DS - Drifting Snow F - Fog GL - Glaze							
NUMBER OF DAYS WITH:						IC - Ice Crystals K - Smoke T - Thunderstorm						
TRACE OR MORE		3	0.25 OR MORE	0	BAROMETRIC PRESSURE (IN.)							
AVERAGE FOR THE MONTH		68.3	0.01 OR MORE	1	0.50 OR MORE	0	AVERAGE STATION		29.188			
DEPARTURE FROM NORMAL		+2.4	0.10 OR MORE	0	1.00 OR MORE	0	HIGHEST SEA LEVEL		30.413 ON 21			
HIGHEST	96	ON	13+	SNOW, ICE PELLETS (SLEET) (IN.)				LOWEST SEA LEVEL		29.421 ON 13		
LOWEST	40	ON	21	TOTAL FOR THE MONTH				SOLAR RADIATION (LANGLEYS)				
NUMBER OF DAYS WITH:		GREATEST IN 24 HOURS				NA	ON	NA	AVERAGE DAILY TOTAL		376.2	
MAXIMUM 32 OR BELOW		GREATEST ON GROUND				NA	ON	NA	GREATEST DAILY		458.4 ON 1	
MAXIMUM 90 OR ABOVE		WIND (50-FT LEVEL)						LEAST DAILY		175.2 ON 19		
MINIMUM 32 OR BELOW		AVERAGE SPEED (MPH)				7.8		MISCELLANEOUS NUMBER OF DAYS				
MINIMUM 0 OR BELOW		DEPARTURE FROM NORMAL				+0.5		CLEAR	18	FOG	0	
HEATING DEGREE DAYS (BASE 65°F)		PEAK GUST				W @ 46	ON	6	PARTLY CLOUDY	7	THUNDER	0
TOTAL FOR THE MONTH		AVERAGE PSYCHROMETRIC DATA				CLOUDY		5	DUST	0		
DEPARTURE FROM NORMAL		-30		DRY BULB (°F)		68.2	WET BULB (°F)		53.5	RELATIVE HUMIDITY EXTREMES (%)		
SEASONAL TOTAL (SINCE JULY 1)		45		REL. HUM. (%)		38.8	DEW PT. (°F)		40.5	HIGHEST	96 ON 5	
SEASONAL DEPARTURE FROM NORMAL		-39		+DENOTES LATEST OF SEVERAL DATES				LOWEST		12 ON 28		