

# 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

**November 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	67	46	56	+11	9	0	0.02			NW	9.4	SSW	36	71.0	57.0	10	KFR 1730	
2	68	46	57	+12	8	0				NW	6.2	NW	13	63.9	219.0	0		
3	63	45	54	+9	11	0				NW	8.2	NW	18	61.2	207.6	0		
4	59	36	48	+4	17	0				S	5.0	SSE	12	70.4	188.4	2		
5	52	35	44	0	21	0				NE	3.6	SSE	9	85.9	106.8	10		
6	54	39	46	+2	19	0	0.03			W	3.8	NNW	10	89.0	100.2	10	F	
7	59	37	48	+5	17	0	0.10			SW	7.8	WNW	23	74.8	131.4	9	KFR 0600	
8	56	33	44	+1	21	0				W	8.3	WSW	20	62.7	202.2	1		
9	44	26	35	-8	30	0	0.14			NW	7.5	WNW	21	89.2	103.8	8	F, KFR 2100	
10	51	30	40	-3	25	0				NW	6.5	WSW	12	84.5	138.0	8		
11	40	27	34	-8	31	0	0.03			NW	4.5	NW	13	96.2	54.6	10	F, KFR 1700	
12	52	24	38	-4	27	0				NW	4.8	NW	13	87.3	173.4	6	F	
13	47	31	39	-2	26	0	T			NW	3.5	N	10	87.3	108.6	10		
14	61	40	50	+9	15	0	0.10			E	8.9	W	51	77.2	165.0	7	KFR 1830	
15	61	49	55	+14	10	0				SW	12.8	SW	52	59.6	70.8	10		
16	62	43	52	+12	13	0				W	12.4	W	55	51.0	163.2	3	KFR 0000	
17	56	39	48	+8	17	0	0.02			S	10.5	SSW	39	67.0	79.2	10	KFR 1925	
18	50	32	41	+1	24	0	0.09			SW	9.7	SW	26	68.8	168.0	2		
19	48	27	38	-1	27	0				NW	5.1	NW	15	77.1	153.0	1		
20	39	31	35	-3	30	0	T	T		NW	8.9	NW	17	80.6	51.6	10		
21	38	24	31	-6	34	0	0.05	0.5		NW	6.9	NW	16	71.2	91.2	10		
22	24	18	21	-16	44	0	0.20	3.5	0.7	NW	9.3	NNW	28	83.1	39.6	10	F, KFR 0230	
23	20	2	11	-26	54	0			3.9	NW	9.0	N	27	58.5	94.2	10		
24	12	-8	2	-34	63	0	T	T	3.6	S	3.7	W	10	85.4	98.4	7	F	
25	20	10	15	-21	50	0	T	T	3.5	W	3.2	WNW	8	81.3	81.0	10		
26	25	18	22	-14	43	0	T	T	3.4	W	3.0	SSE	8	82.6	55.8	10		
27	37	18	28	-8	37	0	0.04	0.4	3.4	W	4.5	WNW	11	93.3	79.2	10	F	
28	27	24	26	-10	39	0	T	T	3.0	E	3.2	NW	8	98.7	42.6	10	F, GL	
29	24	22	23	-13	42	0	T	T	2.9	NW	3.6	NNW	10	97.2	21.6	10	F, GL	
30	27	17	22	-14	43	0	0.32	3.8	4.1	W	2.3	WNW	6	95.5	49.8	10	F, GL	
31																		
SUM					847	0	1.14	8.2										
AVG	44.8	28.7									6.5						7.5	

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		1.14		A - Hail		AU - Aurora		BD - Blowing Dust					
(2) "T" in Columns 7-9 denotes a trace.		DEPARTURE FROM NORMAL		+0.16		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		0.32 ON 30		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		0.25 OR MORE		1		BAROMETRIC PRESSURE (IN.)							
AVERAGE FOR THE MONTH		36.7		0.01 OR MORE		12		0.50 OR MORE		0		AVERAGE STATION		29.275	
DEPARTURE FROM NORMAL		-3.4		0.10 OR MORE		5		1.00 OR MORE		0		HIGHEST SEA LEVEL		30.643 ON 12	
HIGHEST		68		ON		2		SNOW, ICE PELLETS (SLEET) (IN.)				LOWEST SEA LEVEL		29.565 ON 15	
LOWEST		-8		ON		24		TOTAL FOR THE MONTH		8.2		SOLAR RADIATION (LANGLEYS)			
NUMBER OF DAYS WITH:		GREATEST IN 24 HOURS		3.8		ON		30		AVERAGE DAILY TOTAL		109.8			
MAXIMUM 32 OR BELOW		8		GREATEST ON GROUND		6.3		ON		30		GREATEST DAILY		219.0 ON 2	
MAXIMUM 90 OR ABOVE		0		WIND (50-FT LEVEL)				LEAST DAILY		21.6		ON		29	
MINIMUM 32 OR BELOW		18		AVERAGE SPEED (MPH)		6.5		MISCELLANEOUS NUMBER OF DAYS							
MINIMUM 0 OR BELOW		1		DEPARTURE FROM NORMAL		+0.1		CLEAR		7		FOG		10	
HEATING DEGREE DAYS (BASE 65°F)		847		PEAK GUST		W @ 55		ON		16		PARTLY CLOUDY		3	
TOTAL FOR THE MONTH		847		AVERAGE PSYCHROMETRIC DATA		CLOUDY		20		DUST		0			
DEPARTURE FROM NORMAL		+100		DRY BULB (°F)		37.1		WET BULB (°F)		34.2		RELATIVE HUMIDITY EXTREMES (%)			
SEASONAL TOTAL (SINCE JULY 1)		1243		REL. HUM. (%)		78.4		DEW PT. (°F)		30.3		HIGHEST		100 ON 28+	
SEASONAL DEPARTURE FROM NORMAL		+36		+DENOTES LATEST OF SEVERAL DATES				LOWEST		29		ON		2	