

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

April 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	59	30	44	-6	21	0				W	7.4	25	WSW	46.0	436.8	2	
2	54	32	43	-7	22	0	0.22			SW	11.7	45	SW	59.0	220.2	8	KFR 1330
3	52	32	42	-8	23	0				SW	14.2	36	SW	53.8	282.0	9	
4	60	25	42	-9	23	0				SE	6.8	32	ESE	56.0	370.2	8	
5	60	42	51	0	14	0	0.01			SW	13.1	40	SSW	47.9	426.0	5	KFR 0300
6	60	40	50	-1	15	0	0.01			SW	12.7	34	SW	51.3	334.8	6	
7	64	38	51	0	14	0	T			NW	5.5	17	S	60.2	305.4	10	
8	54	38	46	-5	19	0	0.02			W	19.8	48	W	46.1	506.4	2	KFR 0430
9	56	31	44	-7	21	0				NW	9.2	20	WSW	44.0	424.8	6	
10	60	32	46	-6	19	0				NW	11.5	27	NE	42.0	401.4	9	
11	66	41	54	+2	11	0				N	8.2	29	NE	34.8	380.4	9	
12	63	46	54	+2	11	0				N	9.4	24	N	45.9	331.8	10	
13	65	42	54	+1	11	0	0.01			W	6.5	21	WNW	55.8	256.2	10	
14	68	33	50	-3	15	0				NE	5.8	15	WSW	43.1	465.6	5	
15	71	46	58	+4	7	0	0.01			NW	6.7	18	WNW	46.6	467.4	5	
16	78	46	62	+8	3	0	T			W	9.3	27	SSW	42.1	419.4	9	
17	75	41	58	+4	7	0				W	6.9	21	W	50.8	416.4	9	
18	74	40	57	+3	8	0				NE	5.4	16	ENE	47.6	484.8	6	
19	81	51	66	+12	0	1	0.01			W	8.5	19	WNW	38.4	477.6	8	
20	77	52	64	+9	1	0	0.17			W	12.7	36	WNW	48.4	373.2	9	
21	68	50	59	+4	6	0	0.08			W	12.8	38	NW	63.0	404.4	8	
22	74	48	61	+6	4	0				NW	15.4	34	NW	33.8	536.4	5	
23	70	45	58	+3	7	0				NW	10.3	32	NW	33.0	540.0	3	KFR 2100
24	66	42	54	-1	11	0				W	14.0	34	WSW	40.9	492.0	8	
25	65	35	50	-6	15	0				E	5.8	17	E	42.4	524.4	6	
26	64	43	54	-2	11	0				NW	6.1	19	WNW	43.0	320.4	10	
27	68	49	58	+2	7	0	0.01			W	11.2	33	WSW	51.5	277.2	9	KFR 0535
28	64	42	53	-4	12	0	0.04			W	15.9	34	WNW	42.2	453.6	6	
29	60	45	52	-5	13	0				W	21.1	42	WNW	38.4	176.4	10	
30	70	48	59	+1	6	0				W	15.9	41	WNW	36.2	463.2	7	
31																	
SUM					357	1	0.59		0								
AVG	65.5	40.8									10.7						7.2

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		0.59				A - Hail AU - Aurora BD - Blowing Dust							
DEPARTURE FROM NORMAL		+0.15				BS - Blowing Snow D - Dust DL - Distant Lightning							
GREATEST IN 24 HR		0.25	ON	20-21		DS - Drifting Snow F - Fog GL - Glaze							
NUMBER OF DAYS WITH:						IC - Ice Crystals K - Smoke T - Thunderstorm							
TRACE OR MORE		13	0.25 OR MORE	0		BAROMETRIC PRESSURE (IN.)							
AVERAGE FOR THE MONTH		53.2	0.01 OR MORE	11	0.50 OR MORE	0		AVERAGE STATION		29.085			
DEPARTURE FROM NORMAL		-0.3	0.10 OR MORE	2	1.00 OR MORE	0		HIGHEST SEA LEVEL		30.351 ON 7			
HIGHEST	81	ON	19	SNOW, ICE PELLETS (SLEET) (IN.)				LOWEST SEA LEVEL		29.297 ON 27			
LOWEST	25	ON	4	TOTAL FOR THE MONTH				0		SOLAR RADIATION (LANGLEYS)			
NUMBER OF DAYS WITH:		GREATEST IN 24 HOURS				NA	ON	NA		AVERAGE DAILY TOTAL		399.0	
MAXIMUM 32 OR BELOW		0		GREATEST ON GROUND		NA	ON	NA		GREATEST DAILY		540.0 ON 23	
MAXIMUM 90 OR ABOVE		0		WIND (50-FT LEVEL)				LEAST DAILY		176.4 ON 29			
MINIMUM 32 OR BELOW		6		AVERAGE SPEED (MPH)				10.7		MISCELLANEOUS NUMBER OF DAYS			
MINIMUM 0 OR BELOW		0		DEPARTURE FROM NORMAL				+1.9		CLEAR	3	FOG	0
HEATING DEGREE DAYS (BASE 65°F)		PEAK GUST				W @ 48	ON	8		CLOUDY	10	THUNDER	0
TOTAL FOR THE MONTH		357		AVERAGE PSYCHROMETRIC DATA				CLOUDY		17		DUST	0
DEPARTURE FROM NORMAL		+7		DRY BULB (°F)		53.0	WET BULB (°F)		43.3		RELATIVE HUMIDITY EXTREMES (%)		
SEASONAL TOTAL (SINCE JULY 1)		4876		REL. HUM. (%)		46.1	DEW PT. (°F)		31.5		HIGHEST	98 ON 21	
SEASONAL DEPARTURE FROM NORMAL		-95		+DENOTES LATEST OF SEVERAL DATES				LOWEST		14 ON 22			