

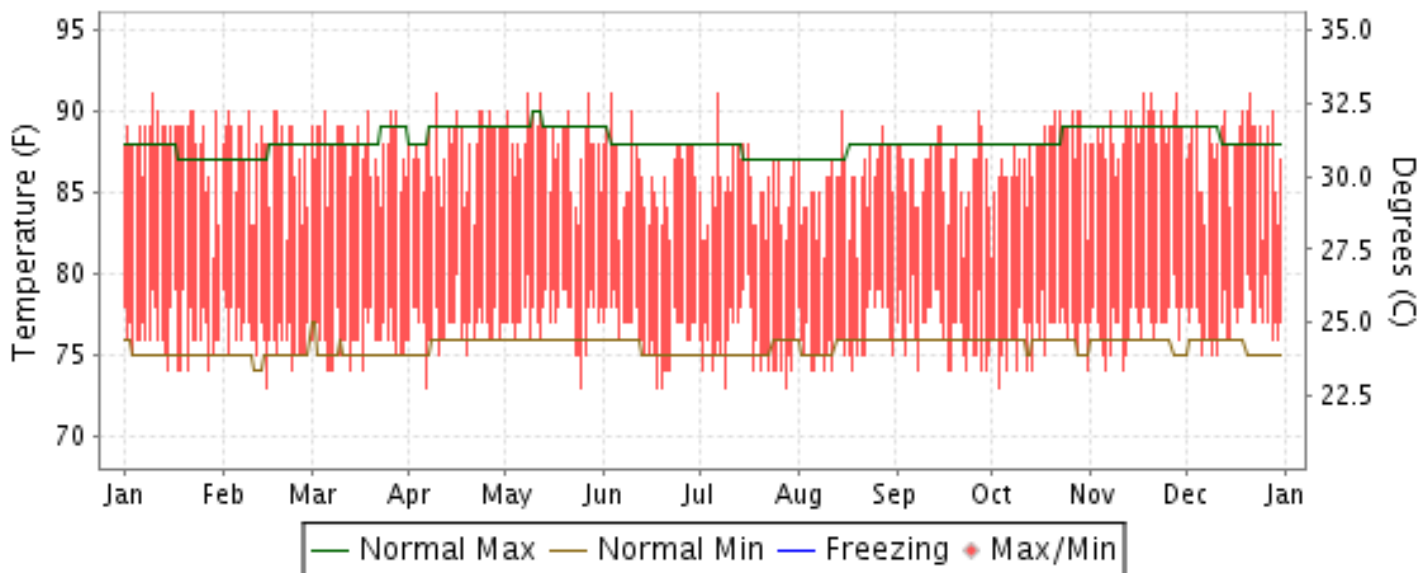


2011 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

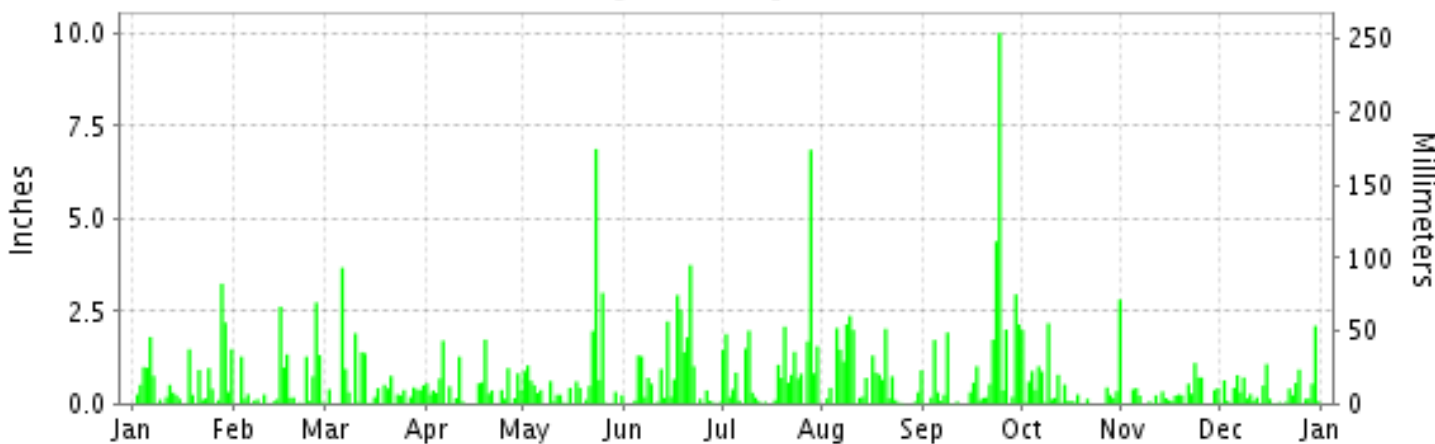
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KOROR, PACIFIC (PTKR)

Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2011

KOROR (PTKR)

LATITUDE: 7° 19'N LONGITUDE: 134° 28'W ELEVATION (FT): GRND: 94 BARO: 98 TIME ZONE: 135 E MER (UTC 9) WBAN: 40309

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	88.2	87.3	87.8	87.8	88.0	86.3	85.3	85.6	86.4	87.4	88.9	87.6	87.2	
	HIGHEST DAILY MAXIMUM	91	90	90	91	91	91	91	90	90	90	91	91	91	
	DATE OF OCCURRENCE	10	18+	28+	09	27+	03	07	15	27	29+	28+	21	DEC 21	
	MEAN DAILY MINIMUM	76.3	76.1	75.9	76.7	77.3	76.3	75.6	76.0	76.4	76.1	76.8	77.1	76.4	
	LOWEST DAILY MINIMUM	74	73	74	73	73	73	73	74	74	73	74	75	73	
	DATE OF OCCURRENCE	28+	15	17+	06	25	19+	28+	18+	29+	03	11+	11+	OCT 03	
	AVERAGE DRY BULB	82.3	81.7	81.9	82.3	82.7	81.3	80.5	80.8	81.4	81.8	82.9	82.4	81.8	
	MEAN WET BULB	77.7	77.4	77.5	78.0	78.4	77.6	77.0	77.1	77.4	77.4	78.2	78.1	77.7	
	MEAN DEW POINT	75.9	75.9	75.8	76.4	76.8	76.3	75.3	75.6	75.6	75.6	76.5	76.5	76.0	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	5	4	4	5	6	2	1	1	1	5	10	6	50	
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	
MINIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	COOLING DEGREE DAYS	541	477	528	525	554	495	489	498	499	526	545	546	6223	
RH	MEAN (PERCENT)	82	83	84	84	83	86	85	84	83	82	83	84	84	
	HOUR 03 LST	89	90	90	91	89	92	89	89	89	89	90	90	90	
	HOUR 09 LST	77	76	77	76	76	80	80	80	79	75	72	78	77	
	HOUR 15 LST	73	75	76	77	77	82	79	79	78	75	76	79	77	
	HOUR 21 LST	86	89	87	87	87	89	87	87	87	87	89	87	87	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	0	0	0	0	0	0	0	0	0	0	0	0	0	
	THUNDERSTORMS	3	3	5	2	7	0	3	1	1	1	4	5	35	
CLOUDINESS	SUNRISE-SUNSET: (OKTAS)														
	CEILOMETER (<= 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	MIDNIGHT-MIDNIGHT: (OKTAS)														
	CEILOMETER (<= 12,000 FT.)														
SATELLITE (> 12,000 FT.)															
NUMBER OF DAYS WITH:															
CLEAR															
PARTLY CLOUDY															
CLOUDY															
PR	MEAN STATION PRESS. (IN.)	29.65	29.66	29.67	29.68	29.68	29.69	29.68	29.69	29.70	29.70	29.66	29.64	29.68	
	MEAN SEA-LEVEL PRESS. (IN.)	29.76	29.78	29.78	29.79	29.80	29.80	29.79	29.81	29.81	29.81	29.78	29.76	29.79	
WINDS	RESULTANT SPEED (MPH)	4.2	3.0	3.9	1.1	1.8	1.1	4.5	4.1	3.6	1.3	2.9	5.8	1.1	
	RES. DIR. (TENS OF DEGS.)	09	09	08	14	16	20	25	24	26	18	10	09	14	
	MEAN SPEED (MPH)	5.7	5.0	5.5	5.5	5.4	5.6	6.9	6.0	6.1	4.5	5.0	7.3	5.7	
	PREVAIL.DIR.(TENS OF DEGS.)	09	12	09	09	18	27	27	27	24	18	09	09	09	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	21	22	21	25	22	26	23	23	23	23	17	22	26	
	DIR. (TENS OF DEGS.)	12	12	09	23	21	19	28	18	26	35	17	05	19	
	DATE OF OCCURRENCE	29	26	11	03	23	22	29	25	24	09	30	20	JUN 22	
	MAXIMUM 3-SECOND WIND:														
SPEED (MPH)	47	37	31	38	43	46	48	39	38	36	37	37	48		
DIR. (TENS OF DEGS.)	14	14	09	27	23	23	27	27	27	23	18	18	27		
DATE OF OCCURRENCE	29	26	06	03	23	22	23	20	24	01	29	15	JUL 23		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	18.62	13.95	15.30	12.30	20.25	22.62	28.23	20.94	31.37	14.39	7.04	10.79	215.80	
	GREATEST 24-HOUR (IN.)	3.25	2.74	3.68	1.74	6.88	3.75	6.86	2.38	10.01	2.82	1.11	2.11	10.01	
	DATE OF OCCURRENCE	28	26	06	19	23	21	28	09	24	31	23	30	SEP 24	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	28	20	25	24	25	25	27	28	25	26	23	30	306	
PRECIPITATION 0.10	24	16	20	20	20	19	23	21	20	18	17	19	237		
PRECIPITATION 1.00	6	6	4	3	4	9	10	8	9	4	1	2	66		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	GREATEST 24-HOUR (IN.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	DATE OF OCCURRENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
	MAXIMUM SNOW DEPTH (IN.)	0	0	0	0	0	0	0	0	0	0	0	0	0	
	DATE OF OCCURRENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0		

NORMALS, MEANS, AND EXTREMES KOROR (PTKR)

LATITUDE: 7° 19'N LONGITUDE: 134° 28'W ELEVATION (FT): GRND: 94 BARO: 98 TIME ZONE: 135 E MER (UTC 9) WBAN: 40309

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	87.6	87.5	88.3	88.8	89.1	88.1	87.5	87.5	88.0	88.3	89.0	88.4	88.2	
	MEAN DAILY MAXIMUM	60	87.4	87.4	88.0	88.7	88.8	88.1	87.4	87.3	87.8	88.2	88.8	88.1	88.0	
	HIGHEST DAILY MAXIMUM	62	93	93	94	94	94	95	93	94	92	93	93	94	95	
	YEAR OF OCCURRENCE		2005	2002	2000	2001	2001	1976	1968	2001	2007	2007	2007	1998	1998	JUN 1976
	MEAN OF EXTREME MAXS.	60	90.2	90.0	90.4	91.1	91.4	91.1	90.4	90.2	90.6	91.0	91.3	90.8	90.7	
	NORMAL DAILY MINIMUM	30	75.1	74.9	75.2	75.8	76.0	75.4	75.3	75.7	76.0	75.8	75.9	75.6	75.6	
	MEAN DAILY MINIMUM	60	75.2	75.2	75.4	75.9	76.1	75.6	75.4	75.8	76.0	76.0	76.0	75.7	75.7	
	LOWEST DAILY MINIMUM	62	69	71	69	69	71	70	70	70	70	70	71	70	71	
	YEAR OF OCCURRENCE		1998	2010	1953	1979	2010	1948	1994	1989	2000	1998	1990	1984	1984	JAN 1998
	MEAN OF EXTREME MINS.	60	72.5	72.5	72.7	73.2	73.1	72.8	72.3	72.4	72.4	72.8	73.0	73.0	72.7	
	NORMAL DRY BULB	30	81.4	81.2	81.8	82.3	82.6	81.8	81.4	81.6	82.0	82.1	82.5	82.0	81.9	
	MEAN DRY BULB	60	81.3	81.3	81.7	82.3	82.5	81.9	81.4	81.6	81.9	82.1	82.4	81.9	81.9	
	MEAN WET BULB	27	76.6	76.2	76.4	77.3	77.8	77.5	77.1	77.0	77.1	77.5	77.7	77.3	77.1	
	MEAN DEW POINT	27	75.5	75.2	75.4	76.2	76.9	76.6	76.1	75.9	76.1	76.5	76.8	76.3	76.1	
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	4.3	3.5	6.0	11.4	16.9	9.9	4.7	4.8	7.8	10.4	14.4	10.0	104.1	
	MAXIMUM <= 32	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	MINIMUM <= 32	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	MINIMUM <= 0	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
H/C	NORMAL HEATING DEG. DAYS	30	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NORMAL COOLING DEG. DAYS	30	507	454	518	518	545	503	509	515	509	527	524	526	6155	
RH	NORMAL (PERCENT)	30	83	83	82		83	85	84	83	82	83	84	84		
	HOUR 03 LST	30	89	89	89		90	91	89	88	88	89	90	90		
	HOUR 09 LST	30	80	80	78		79	81	80	79	78	79	79	80	79	
	HOUR 15 LST	30	75	75	73		76	78	77	76	75	77	77	76	76	
	HOUR 21 LST	30	87	86	86		88	89	87	86	86	88	89	88	87	
S	PERCENT POSSIBLE SUNSHINE	46	53	53	62	61	52	44	45	44	51	46	51	49	51	
W/O	MEAN NO. DAYS WITH: HEAVY FOG (VISBY <= 1/4 MI)	48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	THUNDERSTORMS	60	1.0	0.8	1.0	1.9	3.4	3.6	3.1	3.2	3.6	4.0	3.4	2.5	31.5	
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)	53	7.0	7.0	6.6	6.5	6.7	7.2	7.2	7.3	7.1	6.9	6.9	7.0	7.0	
	MIDNIGHT-MIDNIGHT (OKTAS)	27	6.4	6.6	6.2	5.9	6.3	7.0	6.9	6.8	6.7	6.2	6.2	6.5	6.5	
	MEAN NO. DAYS WITH: CLEAR	53	0.5	0.4	1.0	1.3	0.8	0.2	0.2	0.4	0.4	0.6	0.5	0.4	6.7	
	PARTLY CLOUDY	53	7.0	6.7	8.9	9.4	8.6	5.4	5.2	4.8	6.2	7.8	7.8	6.6	84.4	
	CLOUDY	53	23.5	21.2	21.0	19.0	21.5	24.4	25.0	25.4	23.0	22.0	21.1	23.4	270.5	
PR	MEAN STATION PRESSURE (IN)	27	29.70	29.72	29.72	29.71	29.70	29.70	29.70	29.71	29.71	29.70	29.68	29.69	29.70	
	MEAN SEA-LEVEL PRES. (IN)	27	29.82	29.83	29.83	29.82	29.82	29.82	29.81	29.82	29.82	29.81	29.79	29.80	29.82	
WINDS	MEAN SPEED (MPH)	28	6.9	6.9	6.7	6.2	5.5	5.6	6.0	6.6	6.2	5.8	5.5	6.0	6.2	
	PREVAIL. DIR. (TENS OF DEGS)	6	09	09	09	09	09	09	09	27	27	27	09	09	09	
	MAXIMUM 2-MINUTE: SPEED (MPH)	22	35	23	26	26	46	33	67	28	37	31	52	31	67	
	DIR. (TENS OF DEGS)		02	19	03	03	01	03	21	00	02	02	02	00	21	
	YEAR OF OCCURRENCE		1999	2009	1991	2004	1989	1990	2006	1989	1990	1988	1990	1990	JUL 2006	
	MAXIMUM 3-SECOND SPEED (MPH)	28	47	41	44	52	64	59	63	52	52	55	83	44	83	
	DIR. (TENS OF DEGS)		14	14	05	27	23	27	27	32	27	27	23	14	23	
	YEAR OF OCCURRENCE		2011	1997	1991	2004	2008	2002	2001	1986	1991	2004	1990	2005	NOV 1990	
PRECIPITATION	NORMAL (IN)	30	11.20	9.65	8.79	9.45	11.27	17.54	16.99	14.47	11.65	13.41	11.62	12.33	148.37	
	MAXIMUM MONTHLY (IN)	62	28.13	27.13	21.98	27.69	27.46	33.83	34.82	33.11	31.37	22.47	22.06	21.10	34.82	
	YEAR OF OCCURRENCE		1974	1997	1972	1979	1954	1990	1962	1987	2011	1974	1958	1975	JUL 1962	
	MINIMUM MONTHLY (IN)	62	2.11	0.64	0.50	1.65	4.61	5.91	4.14	3.94	1.04	3.72	4.17	1.49	0.50	
	YEAR OF OCCURRENCE		1973	1983	1998	1948	1997	1976	1964	2004	1982	1994	1997	1990	MAR 1998	
	MAXIMUM IN 24 HOURS (IN)	62	13.86	8.42	13.78	16.95	9.86	13.83	9.65	8.18	10.01	6.46	9.88	7.75	16.95	
	YEAR OF OCCURRENCE		1974	1980	1991	1979	1982	1990	2001	1962	2011	2008	1990	2005	APR 1979	
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	23.2	19.7	20.4	18.7	22.7	25.1	23.5	21.2	19.2	23.0	23.0	23.9	263.6	
	PRECIPITATION >= 1.00	30	3.0	2.7	2.3	2.5	3.6	5.8	5.4	4.9	4.1	4.5	3.8	3.9	46.5	
	SNOWFALL	NORMAL (IN)	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAXIMUM MONTHLY (IN)		15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
YEAR OF OCCURRENCE																
MAXIMUM IN 24 HOURS (IN)		62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
YEAR OF OCCURRENCE																
MAXIMUM SNOW DEPTH (IN)		59	0	0	0	0	0	0	0	0	0	0	0	0	0	
YEAR OF OCCURRENCE																
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

PRECIPITATION (inches) 2011 KOROR (PTKR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1982	5.79	6.81	9.90	9.45	19.12	22.41	19.40	10.94	1.04	8.82	9.92	13.71	137.31
1983	3.44	0.64	1.71	3.12	5.73	18.48	21.20	17.96	11.73	14.23	11.40	10.48	120.12
1984	18.57	10.81	13.58	7.23	10.85	16.49	12.82	17.47	10.39	15.94	9.19	9.42	152.76
1985	13.22	13.88	5.38	11.82	10.41	25.25	17.55	14.32	23.16	8.64	13.61	6.28	163.52
1986	11.10	16.60	8.33	3.49	12.24	17.16	26.15	13.09	10.21	15.92	17.97	9.06	161.32
1987	9.12	5.94	6.10	4.74	15.32	19.60	28.23	33.11	4.21	12.75	10.88	8.72	158.72
1988	7.14	7.83	6.22	6.18	14.30	21.88	14.90	14.39	12.34	20.05	15.05	21.04	161.32
1989	12.99	12.66	11.31	7.41	16.39	17.33	21.97	17.81	5.54	13.07	9.54	5.96	151.98
1990	5.09	3.83	11.74	7.00	11.72	33.83	19.84	10.34	15.18	11.96	20.71	1.49	152.73
1991	24.16	5.46	17.72	10.34	9.37	12.79	31.58	13.73	21.16	7.81	7.79	12.25	174.16
1992	8.28	2.74	4.88	2.46	9.76	15.73	14.94	17.46	8.15	15.48	5.34	17.25	122.47
1993	9.25	10.49	9.46	14.67	6.72	18.47	11.85	8.61	11.81	8.68	9.24	9.63	128.88
1994	7.29	5.08	13.41	7.83	12.34	19.94	16.98	16.48	4.75	3.72	7.22	7.08	122.12
1995	15.10	15.22	10.75	2.59	16.71	11.39	10.13	13.43	15.57	15.16	15.87	18.32	160.24
1996	12.06	9.20	5.57	18.49	16.85	11.05	15.10	7.33	15.85	10.91	9.32	14.99	146.72
1997	8.34	27.13	9.10	6.44	4.61	18.14	9.18	4.59	10.33	11.56	4.17	11.35	124.94
1998	4.72	2.40	0.50	2.17	9.16	17.62	7.52	10.16	10.09	19.05	17.43	13.57	114.39
1999	24.83	6.44	19.24	14.70	10.66	11.93	18.33	26.00	8.00	5.88	9.51	16.37	171.89
2000	13.16	20.17	6.63	12.71	9.32	11.95	20.38	17.16	3.10	13.49	14.27	18.87	161.21
2001	6.21	11.93	7.15	13.27	13.86	22.53	21.77	20.38	9.30	14.48	11.69	15.76	168.33
2002	12.57	4.50	9.60	6.04	14.13	27.39	8.09	11.97	8.73	8.70	13.01	6.07	130.80
2003	8.88	13.48	7.65	8.82	17.52	13.90	25.03	13.57	23.67	11.82	13.38	19.53	177.25
2004	7.02	16.94	6.49	3.33	17.21	20.73	18.73	3.94	7.68	7.92	8.59	6.47	125.05
2005	11.39	1.03	7.23	8.56	19.51	15.02	25.70	13.16	18.16	11.87	17.58	17.54	166.75
2006	21.44	7.93	10.73	8.85	10.27	16.49	19.62	17.14	17.46	10.73	5.41	10.97	157.04
2007	12.64	4.06	5.31	5.61	11.62	9.53	17.03	11.09	16.44	10.08	13.86	10.40	127.67
2008	11.43	9.68	5.83	9.08	18.39	18.10	9.04	14.10	16.23	18.25	17.36	11.50	158.99
2009	9.23	14.67	8.48	19.71	11.93	15.51	28.70	8.22	13.72	9.95	15.29	14.68	170.09
2010	6.88	3.61	3.44	6.62	9.68	10.35	10.54	12.81	11.95	10.49	10.94	9.29	106.60
2011	18.62	13.95	15.30	12.30	20.25	22.62	28.23	20.94	31.37	14.39	7.04	10.79	215.80
POR= 60 YRS	11.25	8.88	8.35	9.23	12.92	16.48	17.40	14.79	12.88	12.90	11.34	12.41	148.83

WBAN : 40309

AVERAGE TEMPERATURE (°F) 2011 KOROR (PTKR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1982	81.7	81.7	81.1	81.7	81.8	81.5	81.1	81.1	82.4	81.8	82.3	81.7	81.7
1983	80.5	81.2	81.7	82.2	83.0	81.9	81.1	82.0	82.0	82.0	82.4	82.0	81.8
1984	81.1	80.9	81.7	82.3	82.7	81.2	81.5	81.0	81.7	80.9	82.7	82.4	81.7
1985	80.9	81.3	82.1	81.6	82.4	80.5	80.0	80.7	80.5	81.8	82.5	82.4	81.4
1986	81.7	81.0	82.1	82.5	83.3	82.0	81.0	82.5	82.4	82.2	82.3	81.9	82.1
1987	81.3	80.7	81.6	82.4	82.2	82.3	81.6	81.1	83.4	82.7	83.3	83.1	82.1
1988	82.1	81.7	82.6	83.4	82.3	81.9	82.1	82.1	83.0	82.1	82.5	81.6	82.3
1989	82.0	82.4	82.3	82.8	82.4	81.7	81.6	81.9	82.5	82.0	82.6	82.3	82.2
1990	82.1	82.1	82.1	82.9	83.3	82.0	82.1	82.6	81.7	82.4	81.9	82.3	82.3
1991	81.0	80.5	81.2	82.5	82.7	82.4	81.0	82.1	81.2	81.9	82.5	81.1	81.7
1992	80.6	58.7	81.1	82.6	82.5	81.9	81.2	81.2	82.1	81.3	82.1	80.6	79.7
1993	80.6	80.1	81.2	81.5	82.9	81.6	81.8	81.1	81.2	82.2	82.7	82.4	81.6
1994	81.6	81.8	82.3	82.8	82.0	81.4	80.7	80.9	81.5	82.8	82.6	81.9	81.9
1995	81.5	81.5	81.8	82.7	82.6	82.4	82.0	82.0	81.6	81.4	82.5	81.9	82.0
1996	81.8	81.1	82.3	82.1	82.4	81.9	81.6	82.3	82.3	82.6	82.9	81.6	82.1
1997	81.3	80.5	81.2	82.5	83.3	82.3	81.7	82.1	82.1	82.8	83.4	82.4	82.1
1998	81.2	81.6	82.4	83.2	83.3	82.1	83.1	83.3	83.1	82.5	82.4	83.1	82.6
1999	82.0	82.8	82.4	82.5	82.5	81.6	81.1	81.0	81.7	82.8	82.8	82.5	82.1
2000	82.8	81.9	82.5	82.3	81.9	82.2	80.8	81.4	83.2	81.8	82.4	81.7	82.1
2001	82.8	82.7	82.7	83.4	83.5	82.2	81.9	82.5	82.9	83.5	83.5	82.3	82.8
2002	82.7	82.7	82.9	83.5	83.5	82.4	83.8	82.4	83.0	83.7	83.9	83.4	83.2
2003	82.8	81.9	82.5	83.5	83.6	82.8	81.8	82.3	81.5	83.2	83.3	82.7	82.7
2004	83.0	82.9	83.4	84.0	82.8	82.1	82.3	82.8	82.4	83.8	84.4	84.2	83.2
2005	82.3	82.2	82.8	83.2	82.9	83.3	81.9	82.1	81.9	83.2	83.1	82.8	82.6
2006	82.8	83.2	82.8	83.7	83.4	82.8	81.9	81.9	82.1	83.0	83.7	83.2	82.9
2007	82.9	82.9	82.9	84.1	83.6	83.3	82.0	82.2	82.6	83.2	83.3	83.3	83.0
2008	81.9	81.9	82.1	82.6	81.3	81.4	82.2	81.5	81.6	82.2	82.4	82.5	82.0
2009	82.3	81.9	82.8	82.1	82.4	81.6	80.6	81.8	81.5	82.4	81.4	81.1	81.8
2010	80.9	81.0	82.0	82.0	82.0	82.2	82.3	81.7	82.7	82.2	82.3	82.3	82.0
2011	82.3	81.7	81.9	82.3	82.7	81.3	80.5	80.8	81.4	81.8	82.9	82.4	81.8
POR= 60 YRS	81.3	81.3	81.7	82.3	82.5	81.9	81.4	81.6	81.9	82.1	82.4	81.9	81.9

HEATING DEGREE DAYS (base 65°F) 2011 KOROR (PTKR)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	0	0	0	0	0	0	0	0	0	0	0	0	0
1984-85	0	0	0	0	0	0	0	0	0	0	0	0	0
1985-86	0	0	0	0	0	0	0	0	0	0	0	0	0
1986-87	0	0	0	0	0	0	0	0	0	0	0	0	0
1987-88	0	0	0	0	0	0	0	0	0	0	0	0	0
1988-89	0	0	0	0	0	0	0	0	0	0	0	0	0
1989-90	0	0	0	0	0	0	0	0	0	0	0	0	0
1990-91	0	0	0	0	0	0	0	0	0	0	0	0	0
1991-92	0	0	0	0	0	0	0	0	0	0	0	0	0
1992-93	0	0	0	0	0	0	0	0	0	0	0	0	0
1993-94	0	0	0	0	0	0	0	0	0	0	0	0	0
1994-95	0	0	0	0	0	0	0	0	0	0	0	0	0
1995-96	0	0	0	0	0	0	0	0	0	0	0	0	0
1996-97	0	0	0	0	0	0	0	0	0	0	0	0	0
1997-98	0	0	0	0	0	0	0	0	0	0	0	0	0
1998-99	0	0	0	0	0	0	0	0	0	0	0	0	0
1999-00	0	0	0	0	0	0	0	0	0	0	0	0	0
2000-01	0	0	0	0	0	0	0	0	0	0	0	0	0
2001-02	0	0	0	0	0	0	0	0	0	0	0	0	0
2002-03	0	0	0	0	0	0	0	0	0	0	0	0	0
2003-04	0	0	0	0	0	0	0	0	0	0	0	0	0
2004-05	0	0	0	0	0	0	0	0	0	0	0	0	0
2005-06	0	0	0	0	0	0	0	0	0	0	0	0	0
2006-07	0	0	0	0	0	0	0	0	0	0	0	0	0
2007-08	0	0	0	0	0	0	0	0	0	0	0	0	0
2008-09	0	0	0	0	0	0	0	0	0	0	0	0	0
2009-10	0	0	0	0	0	0	0	0	0	0	0	0	0
2010-11	0	0	0	0	0	0	0	0	0	0	0	0	0
2011-	0	0	0	0	0	0	0	0	0	0	0	0	0

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COOLING DEGREE DAYS (base 65°F) 2011 KOROR (PTKR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1982	527	474	505	508	525	501	507	507	530	525	527	526	6162
1983	489	461	524	525	564	511	505	537	516	535	530	535	6232
1984	503	471	523	525	554	493	517	502	510	500	539	547	6184
1985	500	466	536	507	547	471	473	493	473	526	530	545	6067
1986	527	455	540	533	575	513	501	548	528	537	527	530	6314
1987	512	446	525	529	540	527	525	505	556	557	555	568	6345
1988	537	489	554	558	541	515	539	540	544	535	530	520	6402
1989	536	493	543	538	545	504	522	530	533	536	534	545	6359
1990	537	485	537	544	577	520	536	552	508	546	513	541	6396
1991	506	440	506	534	556	529	504	533	492	532	533	507	6172
1992	493	475	506	531	549	515	509	506	519	514	521	492	6130
1993	491	429	508	500	564	506	529	508	493	542	539	546	6155
1994	522	475	545	539	536	501	491	501	504	560	534	530	6238
1995	519	465	529	536	550	529	535	535	505	518	535	531	6287
1996	530	472	544	518	545	514	519	545	525	552	548	522	6334
1997	511	442	508	528	571	524	521	537	520	560	559	544	6325
1998	509	471	543	553	575	520	569	572	547	548	529	568	6504
1999	533	505	548	532	548	505	509	503	504	557	539	549	6332
2000	557	495	548	524	532	526	499	514	555	528	528	522	6328
2001	559	504	558	561	579	522	530	550	544	580	561	542	6590
2002	554	504	562	563	579	529	591	549	547	586	575	577	6716
2003	558	480	551	562	583	539	528	544	499	572	560	554	6530
2004	564	526	579	578	561	520	544	560	528	589	587	599	6735
2005	543	486	559	551	563	556	530	538	516	572	551	558	6523
2006	555	515	558	567	578	543	516	516	523	566	566	570	6573
2007	561	508	560	579	582	556	534	538	535	573	552	574	6652
2008	530	496	538	535	513	498	541	519	503	540	530	549	6292
2009	545	478	560	518	546	505	490	528	501	547	498	505	6221
2010	501	451	534	516	536	522	545	527	539	539	525	541	6276
2011	541	477	528	525	554	495	489	498	499	526	545	546	6223

SNOWFALL (inches) 2011 KOROR (PTKR)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1982-83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983-84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984-85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985-86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986-87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988-89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1989-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992-93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993-94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995-96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996-97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997-98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2003-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2004-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2005-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2006-07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2007-08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2008-09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2009-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POR= 61 YRS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REFERENCE NOTES :

<p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. NORMALS ARE 30-YEAR AVERAGES (1971 - 2000). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD. CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.</p>	<p>GENERAL CONTINUED: WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY. ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED HISTORY GO TO "MULTI-NETWORK MEDADATA SYSTEM", URL IS: https://mi3.ncdc.noaa.gov/mi3qry/login.cfm SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p>NOTE: The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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2011 KOROR ISLAND PACIFIC (PTKR)

Koror is one of the islands of the Palau Group, which lies in the extreme western Carolines and along the eastern side of the Philippine Sea. It is the administrative center of the Republic of Palau of the U.S. Trust Territory of the Pacific Islands. Like most of the other islands of the group, Koror is hilly and is surrounded by a lagoon whose outer border is a barrier reef. Koror is not an isolated island, but is immediately adjacent to the islands of Malakal and Arakabesan, to which it is joined by causeways. Babelthuap, the largest of the Palau Islands, lies 1 mile north-northeast and is connected to Koror by bridge. The highest hill within 3 miles of the Weather Station on Koror has an elevation of 610 feet.

Precipitation is heavy at Koror. Rainfall of 150 inches or more in a year is not uncommon. Rainfall is variable for each month and from year to year. Normal monthly precipitation exceeds 10 inches and during some years, each month has received at least 15 inches.

During the period December through March, the northeast trades prevail. Winds are generally light to moderate. Precipitation, heavy during December and January, decreases sharply when the Intertropical Convergence Zone moves well south of the island. February, March, and April are the driest months of the year. During April, the frequency of northeast winds decreases, and there is an increase in the frequency of east winds. In May the winds are predominantly from southeast, to northeast.

Usually during June the Intertropical Convergence Zone moves northward across Koror, bringing with it heavy rainfall and thunderstorms that may yield 1 inch of rain in 15 to 30 minutes. The convergence zone remains in the vicinity of Koror, though most commonly toward the north, from July through January, with heavy rainfall persisting. During November, Koror is usually near the heart of the zone. Calm to light variable winds and continued heavy showers are the rule.

Station History

KOROR, PS

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
KOROR WSO	1982-01-01	Present	7° 19'	134° 28'	94		COOP
KOROR ISLAND	1951-07-01	1970-10-01	7° 19'	134° 28'	89		COOP
KOROR WSO	1970-10-01	1982-01-01	7° 19'	134° 28'	89		COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	1985-10-04	Present	DAILY	2400	MXMN		
PRECIP	1985-10-04	Present	DAILY	2400	TB	RCRD	
TEMP	1951-07-01	1985-10-04	DAILY	2400	MXMN		
PRECIP	1951-07-01	1985-10-04	DAILY	2400	SRG		
PRECIP	1985-10-04	Present	HOURLY	2400	TB	RCRD	

* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : ncdc.info@noaa.gov

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

Visit our Web Site for other weather data: www.ncdc.noaa.gov