

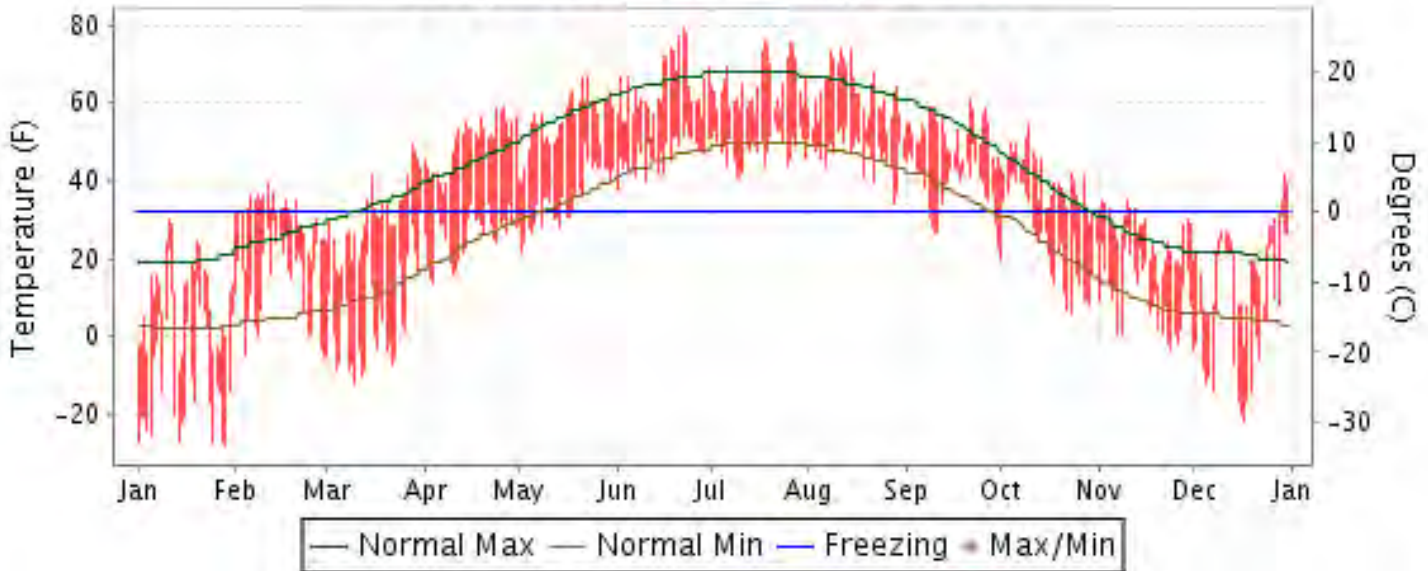


# 2012 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

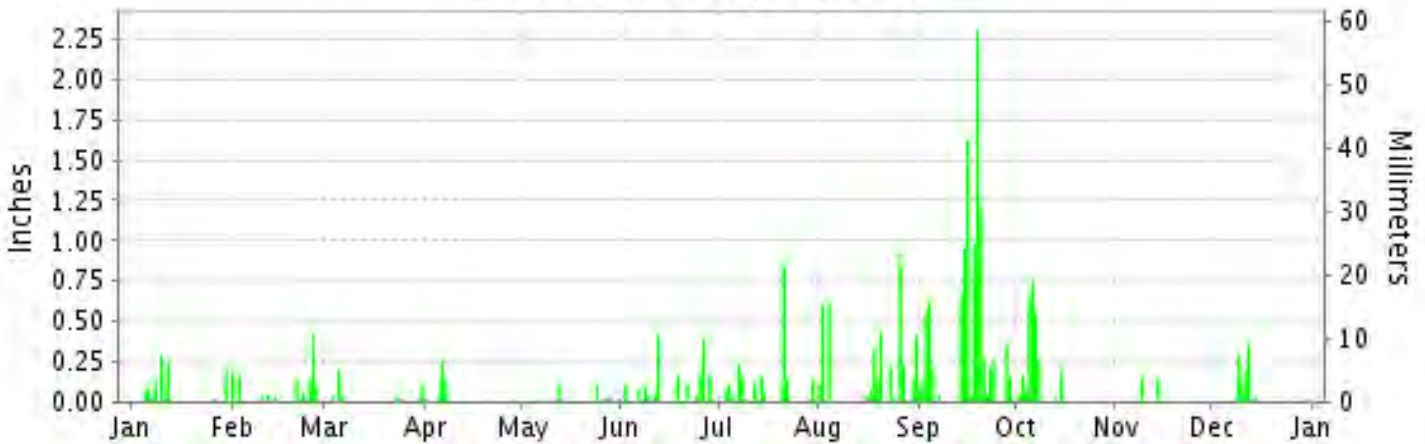
ISSN 0198-0521

## TALKEETNA, ALASKA (PATK)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2012

## TALKEETNA (PATK)

LATITUDE: 62° 19'N      LONGITUDE: 150° 5'W      ELEVATION (FT): GRND: 350 BARO: 354      TIME ZONE: ALASKA (UTC -9)      WBAN: 26528

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	9.7	30.9	30.8	49.7	55.4	64.0	64.6	62.4	52.3	40.3	26.3	19.8	42.2	
	HIGHEST DAILY MAXIMUM	30	39	49	59	67	79	76	74	61	54	35	42	79	
	DATE OF OCCURRENCE	11	11	28	26+	23+	22	18	14+	21	10	10+	30	JUN 22	
	MEAN DAILY MINIMUM	-9.9	13.7	4.2	25.9	35.4	47.0	48.5	47.3	38.7	23.9	10.7	4.5	24.2	
	LOWEST DAILY MINIMUM	-28	-5	-12	14	22	38	41	34	23	6	-3	-22	-28	
	DATE OF OCCURRENCE	29	29+	10	04	02	01	10+	28	30	23	24	17	JAN 29	
	AVERAGE DRY BULB	-0.1	22.3	17.5	37.8	45.4	55.5	56.6	54.9	45.5	32.1	18.5	12.2	33.2	
	MEAN WET BULB	-0.5	21.0	15.0	33.4	39.8	50.7	51.9	51.6	42.8	28.4	16.3	11.6	30.2	
	MEAN DEW POINT	-7.4	15.6	6.8	25.2	31.0	46.5	47.9	48.9	39.4	20.6	5.4	2.0	23.5	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 70	0	0	0	0	0	7	8	6	0	0	0	0	0	21
	MAXIMUM <= 32°	31	15	18	0	0	0	0	0	0	4	24	28	120	
	MINIMUM <= 32°	31	29	31	27	13	0	0	0	6	22	30	31	220	
MINIMUM <= 0°	21	5	15	0	0	0	0	0	0	0	3	14	58		
H/C	HEATING DEGREE DAYS	2011	1232	1468	809	602	281	252	304	579	1013	1388	1631	11570	
	COOLING DEGREE DAYS	0	0	0	0	0	3	0	0	0	0	0	0	3	
RH	MEAN (PERCENT)	69	73	63	63	59	75	75	82	82	68	56	61	69	
	HOUR 03 LST	70	76	75	85	79	92	90	93	90	73	60	62	79	
	HOUR 09 LST	71	74	69	64	58	79	79	87	86	74	60	63	72	
	HOUR 15 LST	66	65	49	43	43	59	58	67	67	54	48	58	56	
	HOUR 21 LST	69	76	64	60	56	71	73	83	84	70	58	64	69	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	0	1	0	0	0	0	0	0	0	1	0	0	2	
	THUNDERSTORMS	0	0	0	0	0	0	0	0	0	0	0	0	0	
PR	MEAN STATION PRESS. (IN.)	29.22	29.20	29.12	29.44	29.38	29.43	29.56	29.54	29.30	29.56	29.34	29.19	29.36	
	MEAN SEA-LEVEL PRESS. (IN.)	29.64	29.61	29.52	29.83	29.78	29.83	29.95	29.94	29.69	29.96	29.75	29.60	29.76	
WINDS	RESULTANT SPEED (MPH)	3.2	3.1	1.9	0.7	1.0	1.8	1.4	0.9	0.3	3.4	5.5	5.7	1.5	
	RES. DIR. (TENS OF DEGS.)	03	02	01	33	21	19	20	20	09	02	02	02	03	
	MEAN SPEED (MPH)	3.8	4.2	2.9	2.4	3.3	2.9	2.7	2.1	3.2	3.8	5.7	6.6	3.6	
	PREVAIL.DIR.(TENS OF DEGS.)	03	03	03	29	20	20	21	20	02	02	02	02	02	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	30	21	16	22	21	28	17	18	22	25	25	25	30	
	DIR. (TENS OF DEGS.)	03	04	04	05	09	09	20	07	19	04	03	03	03	
	DATE OF OCCURRENCE	20	01	27	26	29	18	28	27	06	31	30	03	JAN 20	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	44	28	24	32	29	37	22	26	36	38	36	35	44	
DIR. (TENS OF DEGS.)	04	04	04	12	11	09	18	08	18	02	04	04	04		
DATE OF OCCURRENCE	20	01	14	08	29	18	06	27	06	31	30	03	JAN 20		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.12	1.34	0.49	0.51	0.38	1.87	2.20	4.32	10.72	2.72	0.31	1.05	27.03	
	GREATEST 24-HOUR (IN.)	0.29	0.49	0.25	0.32	0.12	0.46	0.88	0.98	2.31	1.38	0.16	0.56	2.31	
	DATE OF OCCURRENCE	10	25-26	05-06	05-06	12	25-26	21	26-27	19-20	05-06	09	11-12	SEP 19-20	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	10	13	7	7	12	14	15	16	20	9	2	10	135		
PRECIPITATION 0.10	4	5	2	2	2	7	8	11	15	6	2	3	67		
PRECIPITATION 1.00	0	0	0	0	0	0	0	0	3	0	0	0	3		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	MAXIMUM SNOW DEPTH (IN.)														
DATE OF OCCURRENCE															
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0															

# NORMALS, MEANS, AND EXTREMES TALKEETNA (PATK)

**LATITUDE:** 62° 19'N      **LONGITUDE:** 150° 5'W      **ELEVATION (FT):** GRND: 350 BARO: 354      **TIME ZONE:** ALASKA (UTC -9)      **WBAN: 26528**

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
<b>TEMPERATURE °F</b>	NORMAL DAILY MAXIMUM	30	22.2	27.6	35.6	46.1	58.5	67.0	68.5	65.2	55.8	40.6	26.8	23.7	44.8
	MEAN DAILY MAXIMUM	92	19.5	25.8	33.4	44.4	57.0	64.8	67.7	64.7	54.9	40.7	26.5	20.0	43.3
	HIGHEST DAILY MAXIMUM	73	46	52	54	77	87	91	90	89	78	68	51	54	91
	YEAR OF OCCURRENCE		2004	2004	1997	2003	2003	1969	1956	2002	1957	1954	2002	1996	JUN 1969
	MEAN OF EXTREME MAXS.	93	36.5	40.4	46.9	57.0	72.2	79.6	81.4	77.0	66.9	53.9	40.0	37.2	57.4
	NORMAL DAILY MINIMUM	30	6.2	8.7	14.2	25.6	37.0	47.1	51.8	48.2	39.2	25.8	12.1	8.3	27.0
	MEAN DAILY MINIMUM	92	1.3	6.1	9.5	22.5	33.7	43.2	48.1	45.4	36.2	24.4	10.5	3.0	23.7
	LOWEST DAILY MINIMUM	73	-48	-46	-43	-37	-5	28	33	25	11	-21	-41	-45	-48
	YEAR OF OCCURRENCE		1972	1947	1956	1944	1945	1940	1941	1974	1992	1956	1956	1970	JAN 1972
	MEAN OF EXTREME MINS.	93	-25.2	-20.6	-14.2	5.3	24.8	35.2	41.4	35.2	24.4	4.0	-13.6	-23.2	6.1
	NORMAL DRY BULB	30	14.2	18.1	24.9	35.9	47.8	57.0	60.1	56.7	47.5	33.2	19.5	16.0	35.9
	MEAN DRY BULB	93	10.3	15.9	21.4	33.4	45.4	54.2	57.9	55.1	45.6	32.6	18.5	11.5	33.5
	MEAN WET BULB	29	11.1	14.5	18.9	29.2	39.4	48.9	53.5	51.7	43.5	30.3	16.8	14.8	31.1
	MEAN DEW POINT	29	7.8	10.8	14.4	24.7	35.9	45.4	51.3	49.8	41.2	28.2	14.6	12.5	28.1
	NORMAL NO. DAYS WITH: MAXIMUM >= 70	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 <= 32	30	22.8	16.4	9.3	1.3	0.0	0.0	0.0	0.0	0.0	4.9	19.9	22.7	97.3	
MINIMUM <= 32	30	30.3	26.6	29.9	24.1	6.2	0.0	0.0	0.1	4.8	21.6	28.2	29.8	201.6	
MINIMUM <= 0	30	10.7	8.2	4.5	0.4	0.0	0.0	0.0	0.0	0.0	0.6	6.4	10.0	40.8	
<b>H/C</b>	NORMAL HEATING DEG. DAYS	30	1575	1312	1243	875	535	243	159	260	525	986	1366	1519	10598
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	0	4	9	3	0	0	0	0	16
<b>RH</b>	NORMAL (PERCENT)	30	73	70			64	67	75	81	81	78	77		
	HOURLY 03 LST	30	73	73	75	81	85	87	90	95	92	83	78	77	82
	HOURLY 09 LST	30	74	74	71	66	65	70	80	85	86	82	78		
	HOURLY 15 LST	30	71	61	55	48	48	51	60	64	64	66	72	75	61
	HOURLY 21 LST	30	74	72			60	62	71	84	87	81	79		
<b>S</b>	PERCENT POSSIBLE SUNSHINE														
<b>W/O</b>	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	47	0.6	0.5	0.4	0.4	0.2	0.2	0.3	0.6	0.9	1.2	0.8	0.6	6.7
	THUNDERSTORMS	62	0.0	0.0	0.0	0.0	0.3	0.9	1.1	0.5	0.2	0.0	0.0	0.0	3.0
<b>CLOUDINESS</b>	MEAN: SUNRISE-SUNSET (OKTAS)	10	6.0	5.2	5.2	5.8	5.8	5.9	5.3	5.1	5.3	5.2	5.0	5.7	5.5
	MIDNIGHT-MIDNIGHT (OKTAS)	5	3.1	4.6	4.0	4.7	3.7	5.3	4.3	4.5	4.3	5.1	4.0	2.9	4.2
	MEAN NO. DAYS WITH: CLEAR	10	5.8	8.2	9.4	5.0	6.0	1.0	5.0	3.0	5.1	5.9	7.5	5.4	67.3
	PARTLY CLOUDY	10	4.0	3.7	4.0	5.0	6.0	12.0	7.0	11.0	4.3	4.9	3.4	2.3	67.6
	CLOUDY	10	21.0	15.9	17.6	18.3	19.0	17.0	19.0	17.0	18.8	19.7	19.0	22.5	224.8
<b>PR</b>	MEAN STATION PRESSURE(IN)	29	29.28	29.37	29.38	29.43	29.49	29.53	29.57	29.51	29.39	29.29	29.25	29.23	29.39
	MEAN SEA-LEVEL PRES. (IN)	29	29.70	29.79	29.78	29.83	29.89	29.92	29.96	29.91	29.77	29.69	29.66	29.63	29.79
<b>WINDS</b>	MEAN SPEED (MPH)	29	5.3	5.2	5.4	4.6	4.8	4.8	4.3	3.5	3.6	3.9	4.8	5.0	4.6
	PREVAIL.DIR.(TENS OF DEGS)	21	02	02	02	01	20	21	20	19	02	02	02	02	02
	MAXIMUM 2-MINUTE: SPEED (MPH)	14	39	28	37	30	29	29	21	28	35	32	37	31	39
	DIR. (TENS OF DEGS)		04	17	02	19	05	09	20	04	03	02	05	03	04
	YEAR OF OCCURRENCE		2011	2000	2003	2010	2011	2007	2005	2000	2000	2000	2011	2010	JAN 2011
	MAXIMUM 3-SECOND SPEED (MPH)	14	48	48	48	39	38	41	30	36	44	45	47	46	48
	DIR. (TENS OF DEGS)		02	16	04	19	05	31	19	17	04	02	03	03	02
YEAR OF OCCURRENCE		2011	2000	2003	2010	2011	2005	2005	1998	2010	2000	2011	2010	JAN 2011	
<b>PRECIPITATION</b>	NORMAL (IN)	30	1.36	1.45	1.05	1.29	1.62	1.92	3.39	5.11	4.32	2.90	1.63	1.93	27.97
	MAXIMUM MONTHLY (IN)	73	5.56	7.00	4.03	4.51	3.86	6.44	8.96	11.92	10.72	9.98	7.04	6.16	11.92
	YEAR OF OCCURRENCE		1948	2003	1946	1977	1998	1970	2003	1945	2012	1986	1979	1990	AUG 1945
	MINIMUM MONTHLY (IN)	73	T	T	0.06	0.02	0.27	0.21	1.08	0.96	0.91	0.81	0.01	0.02	0.01
	YEAR OF OCCURRENCE		1974	1979	1987	2007	1949	1952	1977	1941	1969	1953	2001	2001	NOV 2001
	MAXIMUM IN 24 HOURS (IN)	73	1.95	1.80	1.52	1.38	1.39	1.58	4.09	3.73	3.12	5.14	1.81	1.89	5.14
	YEAR OF OCCURRENCE		1948	1990	1990	1994	1941	1955	2003	2006	1942	1986	2004	1986	OCT 1986
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	9.5	8.9	7.9	7.9	11.6	13.2	15.6	17.7	16.8	12.9	10.0	11.4	143.4
PRECIPITATION >= 1.00	30	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.3	0.7	0.9	0.3	0.1	3.1	
<b>SNOWFALL</b>	NORMAL (IN)	30	22.3	22.1	15.0	7.7	1.0	0.0	0.0	0.0	0.7	13.3	23.3	31.7	137.1
	MAXIMUM MONTHLY (IN)	77	60.3	71.2	56.3	40.1	11.0	T	0.0	T	18.0	32.9	62.7	79.0	79.0
	YEAR OF OCCURRENCE		1990	1951	1946	1964	1952	1952			1952	1923	1976	1967	1990
	MAXIMUM IN 24 HOURS (IN)	76	24.1	36.0	20.7	18.0	10.0	T	0.0	T	18.0	15.0	19.5	21.9	36.0
	YEAR OF OCCURRENCE		1990	1928	1946	1924	1952	1952			1952	1923	1927	1967	1984
	MAXIMUM SNOW DEPTH (IN)	46	97	98	91	74	39	0	0	0	3	118	35	59	118
	YEAR OF OCCURRENCE		1949	1951	1951	1949	1949				1956	1948	1974	1948	OCT 1948
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	6.4	5.4	4.3	2.3	0.3	0.0	0.0	0.0	0.2	3.4	6.2	7.1	35.6	

**PRECIPITATION (inches) 2012 TALKEETNA (PATK)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983	0.46	0.46	0.09	2.58	1.27	1.77	1.75	5.69	3.29	4.63	0.25	0.57	22.81
1984	1.90	0.89	0.21	0.94	1.40	1.40	3.06	6.63	1.73	1.79	0.44	2.69	23.08
1985	2.54	2.63	2.27	0.90	2.89	1.99	2.68	4.92	7.78	1.91	0.86	2.85	34.22
1986	0.71	0.96	0.52	0.59	1.64	0.56	5.67	5.91	4.77	9.98	2.73	3.05	37.09
1987	1.98	1.01	0.06	0.63	1.23	1.86	4.26	3.37	4.32	2.82	1.75	2.38	25.67
1988	0.49	2.00	0.96	0.90	1.75	2.37	2.28	4.98	3.77	3.53	0.86	2.34	26.23
1989	0.87	1.99	0.94	2.25	3.03	2.12	4.53	8.53	5.78	4.41	2.02	3.73	40.20
1990	3.63	4.31	3.94	0.93	1.60	1.37	1.37	4.31	10.22	1.26	0.89	6.16	39.99
1991	2.34	0.62	3.29	1.02	1.05	0.49	3.89	3.19	3.47	2.60	0.86	3.03	25.85
1992	1.67	1.77	0.63	0.38	1.38	0.74	2.37	3.99	2.35	3.41	4.09	3.28	26.06
1993	4.20	1.23	0.43	0.19	1.68	2.53	1.35	7.51	9.57	4.06	4.04	1.03	37.82
1994	0.67	0.58	2.44	2.93	1.09	2.73	1.33	3.78	2.12	1.14	2.83	3.20	24.84
1995	1.05	0.74	0.47	2.18	2.79	2.77	1.54	3.39	4.10		1.03	0.18	
1996	0.84	3.33	0.72	0.42	0.64	1.67	3.74	5.42	2.91	2.46	1.42	.20	23.77
1997	0.54	1.43	0.39	0.24	2.52	1.29	1.39	7.01	1.93	1.46	1.64	2.06	21.90
1998	0.32	0.26	0.59	2.27	3.86	3.32	2.98	5.24	4.82	1.03	0.11	0.82	25.62
1999	1.24	0.29	0.97	0.90	1.07	3.21	5.60	5.25	3.39	4.44	0.15	6.74	33.25
2000	2.78	0.94	1.05	0.65	0.99	1.91	3.57	2.34	2.93	1.90	3.39	0.79	23.24
2001	0.78	1.23	1.83	1.93	1.26	0.82	4.25	2.76	2.39	2.11	0.01	0.02	19.39
2002	1.24	0.20	0.37	4.43	1.58	1.31	1.26	7.72	7.62	4.09	0.56	0.30	30.68
2003	0.28	7.00	1.67	0.79	2.62	1.28	8.96	5.60	1.96	3.24	1.70	0.40	35.50
2004	0.23	0.45	0.43	1.69	1.89	0.97	1.40	4.31	5.89	3.28	4.42	2.33	27.29
2005	2.49	1.06	1.71	3.45	1.58	0.73	1.48	4.14	8.42	0.82	1.75	2.01	29.64
2006	0.21	1.44	0.28	0.85	1.21	2.94	2.55	9.87	3.01	5.06	0.02	1.16	28.60
2007	1.50	0.01	0.33	0.02	0.55	1.13	3.73	3.77	6.30	1.34	1.47	1.84	21.99
2008	1.73	0.35	1.32	1.83	0.59	1.62	2.92	2.80	3.57	3.78	1.27	1.31	23.09
2009	2.24	1.75	1.11	0.91	2.07	0.80	1.61	3.92	1.89	1.60	1.31	1.48	20.69
2010	0.62	0.91	0.27	1.40	0.70	2.12	4.48	4.83	1.57	0.99	3.78	1.42	23.09
2011	1.16	0.47	0.14	1.47	0.28	0.97	3.36	8.55	1.07	1.16	1.11	4.07	23.81
2012	1.12	1.34	0.49	0.51	0.38	1.87	2.20	4.32	10.72	2.72	0.31	1.05	27.03
POR= 93 YRS	1.51	1.66	1.43	1.20	1.42	2.02	3.42	4.87	4.44	2.96	1.73	1.77	28.43

WBAN : 26528

**AVERAGE TEMPERATURE (°F) 2012 TALKEETNA (PATK)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983	12.5	18.5	25.7	35.5	48.0	56.4	58.7	53.4	42.6	31.3	22.7	13.8	34.9
1984	11.1	14.8	33.0	35.0	45.5	55.7	57.9	54.5	48.5	33.5	17.1	14.2	35.1
1985	27.9	7.6	21.2	24.2	42.3	52.4	59.6	53.7	45.0	27.0	7.1	25.3	32.8
1986	21.6	19.2	21.5	28.8	46.0	55.8	58.1	52.2	46.8	36.9	20.7	24.1	36.0
1987	19.3	22.4	24.4	35.7	45.9	53.5	57.9	56.7	45.6	36.7	24.1	11.7	36.2
1988	13.3	20.5	28.4	36.1	48.5	56.1	60.9	56.2		31.5	16.1	18.2	
1989	-6.0	11.6	20.1	36.3	45.9	55.4	60.4	57.6	48.7	30.1	13.2	19.9	32.8
1990	8.6	-4.2	26.8	38.2	49.3	59.3	60.8	57.5	46.6	28.4	4.7	11.6	32.3
1991	11.6	17.1	19.2	36.4	45.5	58.0	57.9	54.9	48.8	29.8	21.8	15.9	34.7
1992	16.7	13.4	22.1	32.2	43.4	56.1	59.4	54.4	37.3	29.5	22.1	5.8	32.7
1993	8.2	20.7	25.3	38.5	49.7	57.3	61.7	56.4	44.8	36.0	18.8	21.5	36.6
1994	20.8	13.7	22.9	36.9	46.8	56.2	59.1	57.8	46.6	31.6	9.9	13.1	34.6
1995	10.4	16.9	14.7	38.9	48.5	55.8	59.6	56.3	52.5	18.8	18.8	15.7	
1996	4.2	11.2	26.6	36.7	49.3	56.1	59.4	54.6	44.3	23.5	14.8	12.7	32.8
1997	11.7	29.5	21.9	37.4	47.6	59.2	63.1	57.6	50.2	27.0	25.5	10.5	36.8
1998	15.3	24.6	27.4	38.2	44.7	55.1	58.2	52.4	47.3	34.9	20.7	10.7	35.8
1999	8.7	2.7	23.3	33.7	45.2	57.1	59.4	56.4	47.3	31.7	16.7	8.9	32.6
2000	11.6	25.0	28.5	36.6	43.9	57.3	57.6	53.6	45.4	32.8	26.0	22.3	36.7
2001	24.6	21.0	28.8	35.3	43.1	59.4	58.5	58.7	49.3	29.0	17.9	8.4	36.2
2002	21.1	23.4	22.1	31.3	49.8	58.1	62.1	57.2	49.9	41.3	36.3	24.1	39.7
2003	25.7	31.6	27.0	39.7	49.9	59.8	64.2	60.0	49.7	41.9	20.6	16.9	40.6
2004	10.2	28.9	24.4	38.4	51.5	60.6	63.3	61.6	42.0	35.7	26.5	19.4	38.5
2005	16.7	18.7	31.1	38.2	50.6	59.6	62.0	58.6	49.6	34.6	13.0	22.3	37.9
2006	5.4	18.0	21.5	34.7	49.0	54.3	59.4	54.3	49.0	36.2	12.6	19.0	34.5
2007	12.5	13.5	11.3	38.8	48.2	57.6	58.5	58.2	48.7	33.4	29.0	16.3	35.5
2008	7.6	15.1	27.6	32.2	45.7	53.9	56.3	54.9	47.5	26.6	18.5	9.3	32.9
2009	10.2	11.3	19.9	33.4	48.0	56.0	62.6	55.0	47.9	38.4	13.8	14.2	34.2
2010	17.4	25.1	26.3	36.6	49.5	54.3	56.7	57.1	48.7	37.0	21.9	8.3	36.6
2011	14.3	12.1	23.6	36.0	47.8	56.0	58.1	54.7	48.1	35.2	9.3	17.0	34.4
2012	-0.1	22.3	17.5	37.8	45.4	55.5	56.6	54.9	45.5	32.1	18.5	12.2	33.2
POR= 93 YRS	10.3	15.9	21.4	33.4	45.4	54.2	57.9	55.1	45.6	32.6	18.5	11.5	33.5

**HEATING DEGREE DAYS (base 65°F) 2012 TALKEETNA (PATK)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	186	352	663	1038	1262	1584	1665	1449	981	892	598	270	10940
1984-85	213	324	491	970	1429	1571	1143	1609	1351	1217	695	374	11387
1985-86	162	345	592	1172	1735	1225	1338	1276	1341	1079	582	274	11121
1986-87	208	388	536	863	1320	1262	1410	1185	1251	873	583	341	10220
1987-88	221	249	578	871	1218	1647	1601	1283	1126	862	505	259	10420
1988-89	123	270		1031	1461	1449	2202	1492	1385	856	585	284	
1989-90	144	224	482	1075	1550	1395	1746	1940	1176	799	485	174	11190
1990-91	140	234	545	1129	1804	1655	1650	1338	1416	850	596	210	11567
1991-92	213	307	479	1087	1288	1518	1490	1488	1324	975	666	261	11096
1992-93	168	320	821	1094	1282	1833	1761	1238	1224	786	469	223	11219
1993-94	108	258	600	892	1380	1341	1366	1427	1301	838	558	258	10327
1994-95	177	216	547	1029	1646	1607	1690	1344	1556	776	504	270	11362
1995-96	164	263	368		1378	1525	1885	1556	1182	843	480	258	
1996-97	173	315	616	1278	1503	1616	1649	988	1329	823	530	191	11011
1997-98	78	226	439	1171	1177	1682	1533	1125	1161	797	624	292	10305
1998-99	201	381	527	926	1323	1675	1740	1738	1284	933	607	232	11567
1999-00	182	261	524	1026	1442	1733	1644	1156	1123	846	645	225	10807
2000-01	221	345	583	995	1164	1316	1245	1227	1115	885	675	170	9941
2001-02	196	189	467	1109	1406	1748	1354	1159	1319	1006	465	210	10628
2002-03	104	245	445	728	858	1261	1211	931	1170	754	459	155	8321
2003-04	69	161	451	705	1324	1486	1691	1042	1252	790	410	145	9526
2004-05	64	112	683	899	1148	1407	1489	1289	1047	796	439	156	9529
2005-06	87	202	456	935	1553	1314	1838	1307	1341	902	489	316	10740
2006-07	167	326	474	886	1454	1418	1621	1434	1654	779	513	222	10948
2007-08	197	201	483	974	1075	1505	1772	1441	1151	980	593	326	10698
2008-09	261	309	518	1183	1387	1722	1694	1496	1390	939	519	264	11682
2009-10	94	301	506	820	1529	1569	1471	1111	1191	846	473	313	10224
2010-11	250	239	483	858	1288	1750	1564	1474	1274	862	525	262	10829
2011-12	210	310	499	916	1666	1482	2011	1232	1468	809	602	281	11486
2012-	252	304	579	1013	1388	1631							

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**COOLING DEGREE DAYS (base 65°F) 2012 TALKEETNA (PATK)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1983	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	1	2	0	0	0	0	3
1985	0	0	0	0	0	3	0	0	0	0	0	0	3
1986	0	0	0	0	0	4	2	0	0	0	0	0	6
1987	0	0	0	0	0	0	8	0	0	0	0	0	8
1988	0	0	0	0	0	0	3	1		0	0	0	
1989	0	0	0	0	0	1	8	3	0	0	0	0	12
1990	0	0	0	0	0	10	16	10	0	0	0	0	36
1991	0	0	0	0	0	6	0	0	0	0	0	0	6
1992	0	0	0	0	0	0	1	0	0	0	0	0	1
1993	0	0	0	0	0	0	12	0	0	0	0	0	12
1994	0	0	0	0	0	2	0	2	0	0	0	0	4
1995	0	0	0	0	0	1	3	0	0	0	0	0	
1996	0	0	0	0	0	0	6	0	0	0	0	0	6
1997	0	0	0	0	0	23	23	3	0	0	0	0	49
1998	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	1	19	1	0	0	0	0	21
2000	0	0	0	0	0	0	1	0	0	0	0	0	1
2001	0	0	0	0	0	9	0	0	0	0	0	0	9
2002	0	0	0	0	0	8	20	13	0	0	0	0	41
2003	0	0	0	0	0	9	51	14	0	0	0	0	74
2004	0	0	0	0	0	19	18	16	0	0	0	0	53
2005	0	0	0	0	0	4	3	12	0	0	0	0	19
2006	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	0	0	0	0	0	10	2	1	0	0	0	0	13
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	27	0	0	0	0	0	27
2010	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	2	0	0	0	0	0	2
2012	0	0	0	0	0	3	0	0	0	0	0	0	3

## SNOWFALL (inches) 2012 TALKEETNA (PATK)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1976-77	0.0	0.0	0.0	32.9	14.2	29.5	12.3	3.3	24.4	19.0	T	0.0	135.6
1977-78	0.0	0.0	T	12.9	4.8	28.3	5.0	17.1	17.1	4.3	0.0	0.0	89.5
1978-79	0.0	0.0	0.0	15.0	32.0	48.9	18.2	T	24.4	16.1	2.6	0.0	157.2
1979-80	0.0	0.0	0.0	5.9	25.2	23.3	23.2	15.9	10.5	2.9	0.0	0.0	106.9
1980-81	0.0	0.0	0.0	4.3	15.5	8.1	13.2	19.8	2.7	3.1	0.0	0.0	66.7
1981-82	0.0	0.0	0.0	5.1	23.2	8.9	0.4	1.8	24.7	7.6	T	0.0	71.7
1982-83	0.0	0.0	0.0	28.5	27.0	10.3	11.9	11.0	2.1	26.7	0.0	0.0	117.5
1983-84	0.0	0.0	2.2	27.0	3.9	7.6	31.6	19.4	1.1	12.3	0.0	0.0	105.1
1984-85	0.0	0.0	0.0	3.0	7.2	47.5	25.8	34.4	31.4	12.9	9.4	0.0	171.6
1985-86	0.0	0.0	T	6.6	11.8	5.6	16.2	6.7	10.1	12.1	6.5	0.0	75.6
1986-87	0.0	0.0	0.0	0.0	30.9	22.5	37.9	19.5	1.5	9.0	0.0	0.0	121.3
1987-88	0.0	0.0	0.0	T	37.4	45.3	7.5	29.2	18.9	5.0	0.0	0.0	143.3
1988-89	0.0	0.0	0.0	18.3	23.3	45.1	19.9	29.8	23.5	T	T	0.0	159.9
1989-90	0.0	0.0	0.0	20.8	29.7	40.5	60.3	60.3	43.6	2.1	0.0	0.0	257.3
1990-91	0.0	0.0	T	11.3	15.2	79.0	46.8	9.3	44.9	2.3	0.2	0.0	209.0
1991-92	0.0	0.0	0.0	15.6	15.5	55.1	39.4	31.6	7.9	2.3	0.7	0.0	168.1
1992-93	0.0	0.0	6.8	15.1	44.6	37.1	57.0	6.0	7.3	T	0.0	0.0	173.9
1993-94	0.0	0.0	T	10.7	45.3	17.6	14.4	5.6	34.4	30.6	T	0.0	158.6
1994-95	0.0	0.0	0.0	3.0	50.3	58.6	15.9	10.8	7.9	T	0.0	0.0	146.5
1995-96	0.0	0.0	0.0		9.4	2.6	8.7	61.9	12.9	4.1	0.0	0.0	
1996-97	0.0	0.0	2.3	29.1	24.6	5.1	7.4	18.2	9.7	T	0.0	0.0	96.4
1997-98	0.0	0.0	T	19.0	23.4	29.6							
1998-99													
1999-00													
2000-01													
2001-02													
2002-03													
2003-04													
2004-05													
2005-													
POR= 61 YRS	0.0	0.0	0.6	10.5	18.0	22.7	20.2	21.0	19.3	9.2	0.8	0.0	122.3

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### REFERENCE NOTES :

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).

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).

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.

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

CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES

3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.

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 EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.

STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS:

<http://www.ncdc.noaa.gov/homr/>

SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.

#### NOTE:

The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.

The 2012 Annual Publications were reproduced on 6/05/13 to correct two problems that occurred when the Publications were first produced on 02/28/13.

- 1) A small number of stations did not correctly show number of days with thunderstorms and heavy fog.
- 2) Climate Normals in the Annual Publications were based on a first edition of the 1981-2010 Normals release. With the release of Service Pack 1 (SP1) new normals for 83 stations are available and now included. Additional information on SP1 is available at:  
<http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/status.txt>.

# 2012 TALKEETNA ALASKA (PATK)

Talkeetna is located 80 airline miles north of Anchorage, and can be reached by both road and air. It lies in the upper end of a broad valley, on the southeast shore of the junction point of the Talkeetna and Susitna Rivers. The junction point of the Chulitna and Susitna Rivers occurs about 3 miles to the northwest of the station. The valley at this point has a gradual slope from station elevation to the 1,000-foot level at a distance of 15 miles to the west-northwest, and 5 to 7 miles from the northeast through the southwest. Elevation changes in these directions are more rapid beyond this point reaching heights of 4,000 to 6,000 feet at a distance of 25 to 30 miles. Except for isolated peaks (none close) of 2,500 to 4,000 feet there are no significant changes in elevation in the remaining directions. The area immediately surrounding the station is a composite of swampland and slightly higher ground which supports growth of birch and spruce trees.

The climate of Talkeetna varies in character between continental and modified maritime. Because of topography the annual precipitation is about half that measured on the Gulf of Alaska coast, and over twice that of the continental regime found in the interior. Temperature is definitely continental in nature. Like most areas of Alaska, Talkeetna experiences a January thaw with several days of above freezing temperatures. Although ground conditions become icy, the thaw conditions lower the total snow depth enough to prevent the accumulation of excessive amounts during the winter snow season. The warmest period in summer is from June through mid-July, with cooler weather after mid-July because of the cloudiness and precipitation maximums from late July through September.

Surface winds predominate north or south, depending on the season, because of the orientation of the valley. Velocity averages are relatively light.

Talkeetna is not a part of the agricultural area of Alaska. Normal moisture distribution results in a maximum rainfall at a time that crops should be maturing, and the freeze-free period, which on the average is from mid-June to mid-August, results in too short a growing period.

# Station History

TALKEETNA, AK

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
TALKEETNA STATE AP	1981-12-31	1982-01-01	62° 18'	-150° 6'	354		COOP
TALKEETNA AP	2001-05-29	2001-12-04	62° 19'	-150° 5'	345		ASOS, COOP
TALKEETNA AP	2011-03-02	Present	62° 19'	-150° 5'	350		ASOS, COOP
TALKEETNA STATE AP	1973-01-01	1981-12-31	62° 18'	-150° 6'	354		COOP, WXSVC
TALKEETNA STATE AP	1998-01-01	2001-05-29	62° 19'	-150° 5'	345		ASOS, COOP
TALKEETNA AP	1940-06-01	1949-09-01	62° 18'	-150° 6'			AIRWAYS
TALKEETNA STATE AP	1971-12-01	1973-01-01	62° 18'	-150° 6'	351		AIRWAYS, COOP
TALKEETNA AP	1949-09-01	1971-12-01	62° 18'	-150° 6'	351		AIRWAYS, COOP
TALKEETNA STATE AP	1982-01-01	1998-01-01	62° 18'	-150° 6'	345		COOP
TALKEETNA AP	2001-12-04	2011-03-02	62° 19'	-150° 5'	350	250 FT WSW	ASOS, COOP

# Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	1940-06-01	1993-01-01	DAILY	2000			
PRECIP	1999-08-01	2001-12-04	DAILY	2400	SRG		
PRECIP	1993-01-01	1999-08-01	DAILY	2000	SRG		
PRECIP	2001-12-04	2010-07-11	DAILY	2400	TB	RCRD	
PRECIP	1940-06-01	1993-01-01	DAILY	2000			
PRECIP	2010-07-11	Present	DAILY	2400	PCPNX		
TEMP	2001-12-04	2010-07-11	DAILY	2400	ATEMP		
PRECIP	2010-07-11	Present	HOURLY	2400	AWPAG	RCRD;HTD	
SNOWDEPTH	2010-07-11	Present	DAILY	VAR	SNOWSTAKE		
TEMP	2010-07-11	Present	DAILY	2400	ATEMP		
TEMP	1993-01-01	1999-08-01	DAILY	2000	MXMN		
TEMP	1999-08-01	2001-12-04	DAILY	2400	MXMN		

\* 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.orders@noaa.gov](mailto:ncdc.orders@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](http://www.ncdc.noaa.gov)