

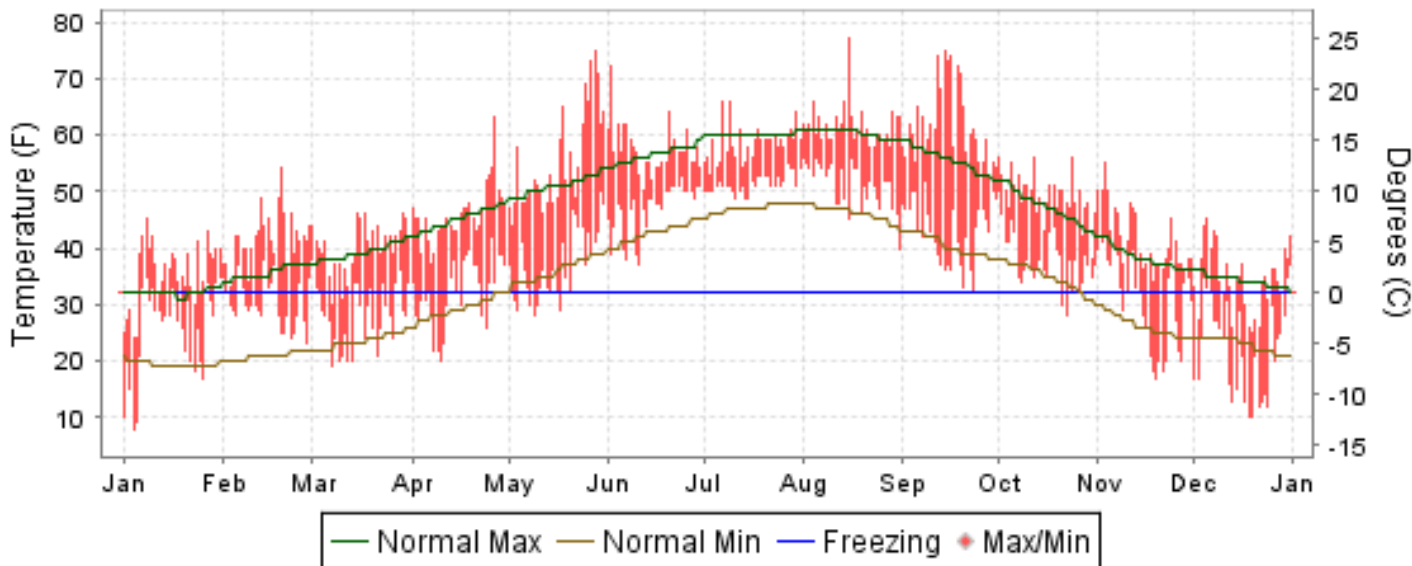


# 2010 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

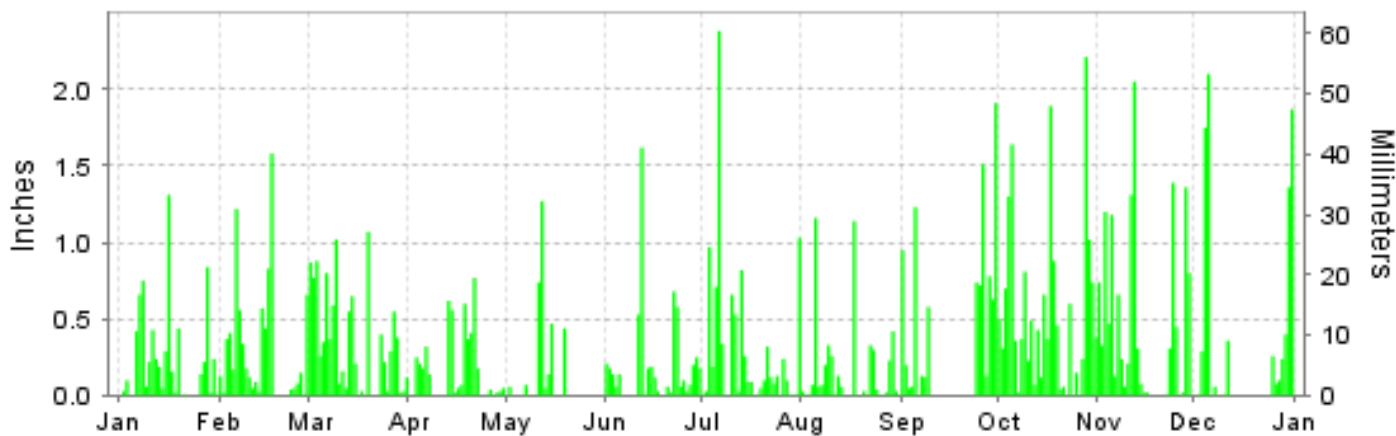
ISSN 0198-0556

## YAKUTAT, ALASKA (PAYA)

### 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 2010

## YAKUTAT (PAYA)

LATITUDE: 59° 30'N      LONGITUDE: -139° 37'W      ELEVATION (FT): GRND: 40      BARO: 43      TIME ZONE: ALASKA (UTC -9)      WBAN: 25339

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	35.5	41.6	40.2	46.0	55.5	57.5	58.5	61.7	61.9	49.2	41.6	34.6	48.7	
	HIGHEST DAILY MAXIMUM	45	54	46	63	75	72	66	77	75	56	55	45	77	
	DATE OF OCCURRENCE	08	19	29+	27	28	02	09	15	14	24+	03	05	AUG 15	
	MEAN DAILY MINIMUM	25.5	30.1	28.1	32.2	37.0	47.1	51.5	51.2	42.9	37.8	30.8	22.3	36.4	
	LOWEST DAILY MINIMUM	8	23	19	20	28	37	49	40	32	28	17	10	8	
	DATE OF OCCURRENCE	04	27	07	10	09	11	99	31	23	22	19	19+	JAN 04	
	AVERAGE DRY BULB	30.5	35.9	34.2	39.1	46.3	52.3	55.0	56.5	52.4	43.5	36.2	28.5	42.5	
	MEAN WET BULB	29.7	34.1	32.5	36.7	43.4	49.2	52.0	53.7	48.1	41.1	34.0	26.0	40.0	
	MEAN DEW POINT	27.8	32.1	29.5	32.8	38.7	45.6	49.7	51.5	44.3	38.3	30.2	21.3	36.8	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 70	0	0	0	0	3	1	0	1	6	0	0	0	0	11
MAXIMUM <= 32°	8	0	2	0	0	0	0	0	0	0	0	10	20		
MINIMUM <= 32°	24	19	22	15	10	0	0	0	1	4	15	27	137		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	1061	808	948	768	575	375	302	256	370	659	855	1127	8104	
	COOLING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	
RH	MEAN (PERCENT)	90	89	83	79	74	78	84	84	78	82	80	75	81	
	HOUR 03 LST	90	92	87	88	89	86	89	90	88	85	81	75	87	
	HOUR 09 LST	91	90	86	74	67	74	83	83	76	82	80	77	80	
	HOUR 15 LST	88	81	76	65	62	69	78	75	63	75	79	73	74	
	HOUR 21 LST	89	92	86	85	79	79	84	88	86	83	81	77	84	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	1	3	5	1	2	0	1	5	7	0	0	1	26	
	THUNDERSTORMS	0	0	0	0	0	0	0	0	0	5	1	0	6	
CLOUDNESS	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.)	29.50	29.66	29.48	29.75	29.95	29.92	30.04	29.94	29.77	29.52	29.70	29.56	29.73	
	MEAN SEA-LEVEL PRESS. (IN.)	29.54	29.70	29.52	29.78	29.98	29.95	30.08	29.98	29.80	29.56	29.74	29.60	29.77	
WINDS	RESULTANT SPEED (MPH)	3.5	2.9	4.2	1.8	0.8	0.6	1.8	0.5	1.4	4.1	4.3	4.0	2.3	
	RES. DIR. (TENS OF DEGS.)	09	09	10	10	20	21	14	17	09	10	09	09	11	
	MEAN SPEED (MPH)	3.9	3.9	6.4	4.2	4.0	4.7	3.7	2.6	3.7	5.9	5.3	4.1	4.4	
	PREVAIL.DIR.(TENS OF DEGS.)	08	07	09	07	22	27	11	07	07	08	09	08	08	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	29	33	36	24	23	21	18	15	25	32	30	26	36	
	DIR. (TENS OF DEGS.)	14	23	13	08	13	19	12	12	06	22	06	07	13	
	DATE OF OCCURRENCE	16	08	08	25	11	02	13	17	24	09	16	14	MAR 08	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	44	48	56	36	35	30	30	21	37	47	51	37	56	
DIR. (TENS OF DEGS.)	14	13	12	07	13	09	12	13	07	12	13	14	12		
DATE OF OCCURRENCE	16	28	08	25	21	12	13	17	24	29	03	04	MAR 08		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	6.85	8.10	10.75	4.90	3.24	5.64	9.31	4.93	9.74	17.05	13.35	8.89	102.75	
	GREATEST 24-HOUR (IN.)	1.41	1.75	1.47	0.88	1.56	1.67	2.64	1.17	1.96	2.79	2.21	2.28	2.79	
	DATE OF OCCURRENCE	15-16	16-17	08-09	18-19	11-12	11-12	06-07	04-05	29-30	28-29	11-12	04-05	OCT 28-29	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	23	23	26	20	8	23	26	21	15	28	23	14	250	
PRECIPITATION 0.10	16	15	20	12	5	15	16	10	13	24	17	10	173		
PRECIPITATION 1.00	1	2	2	0	1	1	2	2	3	5	6	4	29		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	21.2	5.2	33.0	3.8	T	0.0	0.0	0.0	T	1.0	8.0	23.0	95.2	
	GREATEST 24-HOUR (IN.)	7.7	1.5	5.4	2.4	T	0.0	0.0	0.0	T	0.9	5.5	6.4	7.7	
	DATE OF OCCURRENCE	11	04	09	06	13+				26	30	28	29	JAN 11	
	MAXIMUM SNOW DEPTH (IN.)	13	4	15	1	0	0	0	0	0	0	4	18	18	
	DATE OF OCCURRENCE	13	05+	12+	06+							30+	31	DEC 31	
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0	5	4	10	2	0	0	0	0	0	0	2	6	29		

# NORMALS, MEANS, AND EXTREMES YAKUTAT (PAYA)

LATITUDE:  
59 ° 30'N

LONGITUDE:  
-139 ° 37'W

ELEVATION (FT):  
GRND: 40 BARO: 43

TIME ZONE:  
ALASKA (UTC -9)

WBAN: 25339

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	32.1	35.7	39.3	45.1	51.1	56.6	60.1	60.4	55.7	47.3	38.4	34.3	46.3
	MEAN DAILY MAXIMUM	89	32.5	33.8	38.2	43.7	50.5	55.8	59.4	59.6	54.8	46.5	38.3	33.9	45.6
	HIGHEST DAILY MAXIMUM	64	55	54	59	71	79	87	85	88	77	63	55	52	88
	YEAR OF OCCURRENCE		1981	2010	1998	1995	1963	1995	2009	2004	1957	1967	2010	1960	AUG 2004
	MEAN OF EXTREME MAXS.	89	42.3	44.1	47.3	56.9	66.0	69.7	71.6	71.4	64.9	55.3	48.2	44.4	56.8
	NORMAL DAILY MINIMUM	30	19.4	21.0	23.6	29.2	36.1	42.7	47.1	46.2	40.6	34.8	26.3	22.9	32.5
	MEAN DAILY MINIMUM	89	20.9	21.4	24.3	29.7	36.3	43.2	48.0	46.9	41.2	34.5	27.1	23.4	33.1
	LOWEST DAILY MINIMUM	64	-22	-20	-20	3	21	29	35	29	21	6	-6	-24	-24
	YEAR OF OCCURRENCE		1952	1989	1972	1948	1972	1971	1968	1974	1971	1966	1966	1964	DEC 1964
	MEAN OF EXTREME MINS.	89	-2.2	1.6	5.8	17.8	27.3	34.2	39.9	36.4	29.1	21.0	9.4	1.5	18.5
	NORMAL DRY BULB	30	25.8	28.4	31.5	37.2	43.6	49.7	53.6	53.3	48.2	41.1	32.4	28.6	39.5
	MEAN DRY BULB	89	26.7	27.6	31.3	36.7	43.4	49.6	53.7	53.2	48.0	40.5	32.7	28.6	39.3
	MEAN WET BULB	27	26.7	27.8	29.0	35.2	41.8	48.1	52.0	51.9	46.5	38.9	30.2	28.6	38.1
	MEAN DEW POINT	27	25.2	26.0	26.4	32.6	39.7	46.4	50.9	50.6	45.3	37.5	28.9	27.3	36.4
	NORMAL NO. DAYS WITH: MAXIMUM >= 70	30	0.0	0.0	0.0	0.1	0.4	0.9	1.3	1.1	0.2	0.0	0.0	0.0	4.0
	MAXIMUM <= 32	30	14.1	8.0	2.5	0.1	0.0	0.0	0.0	0.0	0.0	0.2	5.2	10.6	40.7
MINIMUM <= 32	30	24.1	22.4	23.3	19.2	6.7	0.4	0.0	0.1	5.1	10.5	21.1	23.6	156.5	
MINIMUM <= 0	30	3.5	2.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.6	8.5	
H/C	NORMAL HEATING DEG. DAYS	30	1216	1027	1024	837	664	460	353	364	506	742	980	1129	9302
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	0	0	0	0	0	0	0	0	0
RH	NORMAL (PERCENT)	30	86	83	81	81	82	83	87	88	88	87	86	87	85
	HOURLY 03 LST	30	85	85	86	90	93	94	96	95	94	91	88	86	90
	HOURLY 09 LST	30	86	85	83	79	77	80	85	86	88	89	88	86	84
	HOURLY 15 LST	30	84	76	71	69	71	73	77	78	78	79	82	85	77
	HOURLY 21 LST	30	85	84	85	86	86	86	89	92	93	90	87	85	87
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	47	2.3	2.7	2.5	2.0	2.2	2.2	3.4	5.1	3.4	0.7	1.3	2.0	29.8
	THUNDERSTORMS	62	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.5	0.8	0.4	0.3	2.6
CLOUDNESS	MEAN: SUNRISE-SUNSET (OKTAS)	49	6.2	6.3	6.2	6.4	6.7	6.9	7.0	6.7	6.8	6.8	6.5	6.6	6.6
	MIDNIGHT-MIDNIGHT (OKTAS)	33	5.9	6.0	6.0	6.1	6.6	6.9	7.0	6.6	6.5	6.6	6.1	6.3	6.4
	MEAN NO. DAYS WITH: CLEAR	49	5.3	4.3	4.5	3.8	2.4	1.6	1.9	2.9	2.7	3.0	3.8	3.8	40.0
	PARTLY CLOUDY	49	3.5	3.2	4.5	4.7	5.0	4.7	4.2	4.1	3.5	2.8	2.8	2.7	45.7
	CLOUDY	49	22.2	20.7	22.0	21.5	23.5	23.8	24.2	23.4	23.2	24.5	22.9	23.8	275.7
PR	MEAN STATION PRESSURE(IN)	27	29.63	29.75	29.71	29.80	29.91	29.95	30.00	29.90	29.83	29.65	29.64	29.61	29.78
	MEAN SEA-LEVEL PRES. (IN)	27	29.70	29.79	29.78	29.86	29.95	29.98	30.03	29.96	29.87	29.71	29.65	29.68	29.83
WINDS	MEAN SPEED (MPH)	27	5.9	5.8	6.3	5.8	5.9	5.6	5.2	5.1	5.8	6.2	6.0	6.4	5.8
	PREVAIL.DIR.(TENS OF DEGS)	31	09	09	08	09	09	14	12	10	09	08	08	08	08
	MAXIMUM 2-MINUTE: SPEED (MPH)	13	40	44	41	37	31	21	30	39	38	41	46	41	46
	DIR. (TENS OF DEGS)		12	12	12	14	13	19	13	11	12	11	12	12	12
	YEAR OF OCCURRENCE		2001	2004	2004	2000	2001	2010	2000	1998	1999	1999	2001	2003	NOV 2001
	MAXIMUM 3-SECOND SPEED (MPH)	13	58	64	59	53	45	33	44	54	55	60	83	66	83
	DIR. (TENS OF DEGS)		12	12	12	13	11	14	14	09	10	13	12	14	12
YEAR OF OCCURRENCE		2001	2006	2004	2007	2006	2007	2000	1998	1999	1999	2001	2006	NOV 2001	
PRECIPITATION	NORMAL (IN)	30	13.18	10.99	11.41	10.80	9.78	7.17	7.88	13.27	20.88	24.00	15.17	15.85	160.38
	MAXIMUM MONTHLY (IN)	69	31.81	32.13	37.28	19.12	18.95	18.34	21.49	27.74	48.33	48.81	43.88	35.21	48.81
	YEAR OF OCCURRENCE		1985	1964	1992	1977	1965	1987	1959	1991	1987	1987	1956	1989	OCT 1987
	MINIMUM MONTHLY (IN)	69	1.59	0.21	2.06	0.75	2.58	0.52	1.70	2.40	2.44	6.68	1.82	3.79	0.21
	YEAR OF OCCURRENCE		1950	1989	1958	1948	2009	1946	1957	2007	1986	1950	2006	1983	FEB 1989
	MAXIMUM IN 24 HOURS (IN)	69	7.44	7.18	8.03	4.31	5.53	6.09	7.12	8.66	8.13	7.43	7.13	10.43	10.43
	YEAR OF OCCURRENCE		2009	1997	1992	1998	1991	1979	1990	2005	1991	1999	1956	1988	DEC 1988
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	20.5	17.9	19.7	18.9	19.3	17.4	18.0	17.0	20.9	24.4	21.2	21.8	237.0
PRECIPITATION >= 1.00	30	4.2	3.6	3.3	3.3	3.2	1.8	2.2	4.3	7.2	9.1	5.8	5.0	53.0	
SNOWFALL	NORMAL (IN)	30	37.2	31.1	31.6	14.2	0.6	0.0	0.0	0.*	0.*	4.5	21.3	31.9	172.4
	MAXIMUM MONTHLY (IN)	62	116.2	87.3	111.0	55.6	15.0	T	0.0	T	0.8	36.0	77.1	91.6	116.2
	YEAR OF OCCURRENCE		1989	1965	1959	1985	1965	1994	1999	1999	1992	1966	1975	1957	JAN 1989
	MAXIMUM IN 24 HOURS (IN)	62	23.5	20.7	32.4	18.6	10.0	T	0.0	T	0.8	18.0	17.3	23.1	32.4
	YEAR OF OCCURRENCE		1971	1959	1960	1982	1965	1994	1999	1999	1992	1996	1961	1961	MAR 1960
	MAXIMUM SNOW DEPTH (IN)	61	83	100	96	86	62	0	0	0	0	26	39	70	100
	YEAR OF OCCURRENCE		1972	1972	1959	1972	1972					1966	1948	1957	FEB 1972
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	8.4	7.0	8.0	4.0	0.3	0.0	0.0	0.0	0.0	1.3	6.2	8.6	43.8	

**PRECIPITATION (inches) 2010 YAKUTAT (PAYA)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	22.43	8.25	12.73	7.04	3.81	5.14	11.04	26.93	24.06	29.77	16.89	8.45	176.54
1982	3.19	2.21	5.07	14.71	8.29	8.74	3.33	8.57	17.63	17.86	17.46	13.66	120.72
1983	13.03	11.27	4.55	17.20	11.55	2.54	7.19	17.24	23.36	18.53	6.10	3.79	136.35
1984	17.65	16.61	12.04	7.25	4.92	4.15	10.73	11.12	14.14	15.90	12.01	11.27	137.79
1985	31.81	8.95	12.03	9.66	10.59	15.95	2.58	7.80	23.44	13.34	3.23	29.85	169.23
1986	25.64	9.56	9.45	9.48	8.19	8.43	5.08	24.54	2.44	25.27	18.19	35.02	181.29
1987	22.95	14.50	11.36	15.90	15.07	18.34	1.86	2.42	48.33	48.81	28.54	22.16	250.24
1988	5.87	16.24	17.84	16.14	8.90	4.62	10.70	22.62	16.99	33.90	17.91	30.18	201.91
1989	11.39	0.21	3.34	2.85	13.20	11.39	7.67	23.57	23.57	26.43	19.16	35.21	
1990	11.46	14.38	18.17	6.05	5.46	8.07	17.03	18.68	34.80	21.49	7.10	9.07	171.76
1991	12.92	18.81	11.55	14.66	14.26	5.91	14.32	27.74	42.45	18.70	18.28	19.88	219.48
1992	29.84	19.47	37.28	5.48	12.93	13.64	7.84	20.85	16.87	27.11	28.12	12.90	232.33
1993	10.58	11.31	6.01	6.15	4.82	2.99	2.46	12.08	22.72	23.25	16.07	19.73	138.17
1994	8.84	1.44	24.18	9.47	14.49	5.81	9.09	5.61	21.77	33.20	13.34	15.63	162.87
1995	9.55	11.56	6.63	10.81	10.21	9.65	6.13	10.70	27.75	17.17	9.10	9.72	138.98
1996	2.38	13.72	12.85	7.89	3.18	10.66	3.09	23.30	17.24	13.61	7.82	9.13	124.87
1997	19.86	24.12	4.66	9.30	8.76	4.57	10.08	14.92	15.63	15.05	23.12	22.22	172.29
1998	7.09	10.46	8.68	16.13	11.97	3.38	12.89	19.19	13.27	14.43	6.44	8.46	132.39
1999	13.86	5.62	9.18	14.27	8.63	2.30	5.34	9.33	26.17	36.39	14.45	32.91	178.45
2000	7.86	7.28	17.33	11.24	3.65	6.23	9.72	12.64	20.94	33.87	22.83	11.49	165.08
2001	18.87	10.18	13.21	7.14	8.00	1.25	9.45	5.64	17.27	15.25	10.63	9.23	126.12
2002	14.48	9.22	3.18	2.02	3.18	5.40	5.82	18.83	12.79	14.80	16.82	6.30	112.84
2003	10.09	9.14	4.80	2.15	9.82	6.09	5.35	16.34	11.01	12.14	10.59	19.59	117.11
2004	9.82	20.29	10.07	10.64	3.06	1.66	6.41	4.29	21.92	22.86	13.59	18.54	143.15
2005	7.56	17.82	12.08	5.41	4.71	1.84	9.29	23.95	21.81	17.41	21.65	19.34	162.87
2006	6.98	5.86	6.54	11.61	11.25	6.03	7.44	19.00	18.94	20.54	1.82	17.11	133.12
2007	16.76	2.19	8.43	7.50	9.87	1.60	4.46	2.40	23.90	18.74	14.02	6.95	116.82
2008	7.44	11.88	8.40	9.31	7.68	5.48	14.47	9.34	23.18	26.80	12.56	8.66	145.20
2009	22.63	5.19	7.10	3.31	2.58	4.06	6.19	17.50	19.21	10.77	12.62	13.00	124.16
2010	6.85	8.10	10.75	4.90	3.24	5.64	9.31	4.93	9.74	17.05	13.35	8.89	102.75
POR= 89 YRS	11.54	9.76	9.97	8.60	8.29	5.64	8.14	11.81	17.54	20.22	15.03	13.73	140.27

WBAN : 25339

**AVERAGE TEMPERATURE (°F) 2010 YAKUTAT (PAYA)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	40.8	34.5	39.5	37.7	50.9	52.3	56.3	55.6	49.4	44.1	35.0	27.4	43.6
1982	20.0	24.0	30.1	33.4	42.2	49.0	53.0	52.2	49.0	40.0	32.0	32.0	38.1
1983	30.5	33.1	35.0	38.8	45.7	52.9	55.1	54.2	45.2	40.3	31.6	22.2	40.4
1984	31.0	33.2	37.8	38.6	43.6	48.5	52.5	54.0	48.6	40.7	31.6	28.1	40.7
1985	37.6	27.6	32.5	34.0	41.5	46.6	52.4	51.4	47.2	37.5	20.6	33.7	38.6
1986	34.0	29.0	33.6	33.8	43.6	49.2	54.0	51.9	47.6	43.0	32.3	35.7	40.6
1987	32.0	33.7	30.3	38.8	45.0	48.0	53.7	54.0	48.2	42.7	37.1	30.0	41.1
1988	26.5	32.0	35.3	38.8	43.8	50.4	52.4	52.8	46.5	42.7	33.4	28.9	40.3
1989	21.7	20.3	27.2	38.9	45.2	50.5	54.9	51.0	51.0	41.0	29.3	36.7	
1990	26.2	22.5	34.5	40.5	46.9	53.1	55.1	55.9	51.2	39.6	24.3	24.5	39.5
1991	23.2	32.6	29.9	38.2	43.6	51.5	54.6	53.5	50.5	39.8	36.5	34.2	40.7
1992	34.3	30.6	33.9	38.7	44.5	51.5	54.8	52.0	43.8	37.1	36.3	24.7	40.2
1993	20.1	29.6	32.9	41.2	47.8	52.7	56.6	54.8	48.6	44.6	34.6	33.2	41.4
1994	29.0	21.2	34.4	41.0	44.4	52.6	54.7	55.7	48.0	40.9	26.3	25.5	39.5
1995	24.1	27.7	27.2	39.9	47.2	51.3	54.5	52.9	53.6	41.6	31.4	28.7	40.0
1996	15.2	29.5	32.3	38.5	45.2	50.9	54.9	53.4	46.1	37.1	29.7	23.5	38.0
1997	27.3	35.0	30.6	39.4	45.6	53.0	56.0	57.0	50.8	39.1	36.7	34.0	42.0
1998	27.8	36.9	34.5	39.4	44.4	50.8	53.1	52.1	47.1	41.3	32.4	26.4	40.5
1999	25.6	26.1	29.8	35.8	41.9	51.0	53.7	54.1	47.4	40.8	32.2	31.0	39.1
2000	25.2	31.6	33.7	37.9	43.5	50.3	53.4	52.5	47.6	41.1	36.2	32.6	40.5
2001	36.2	29.0	32.8	37.2	41.7	51.2	53.6	54.1	48.3	39.7	31.1	28.9	40.3
2002	31.1	28.5	25.3	30.9	44.2	50.3	53.0	53.6	48.1	44.8	40.6	31.2	40.1
2003	31.9	34.4	31.0	39.5	43.5	50.5	55.0	52.4	48.2	42.9	31.0	31.5	41.0
2004	23.6	35.7	33.0	39.4	46.9	53.4	56.3	57.0	47.8	41.6	35.9	31.7	41.9
2005	27.4	30.7	36.9	41.2	48.6	52.3	56.1	55.1	49.3	40.8	32.5	34.5	42.1
2006	28.4	29.3	27.4	37.0	44.9	51.7	54.4	53.5	48.7	42.1	22.5	34.2	39.5
2007	28.9	24.4	25.8	36.2	43.5	50.7	54.8	54.3	48.8	40.1	35.3	27.9	39.2
2008	24.7	28.3	32.6	36.3	43.5	48.4	53.0	53.3	49.5	40.0	34.9	24.5	39.1
2009	28.3	24.4	27.5	35.0	43.3	49.8	55.8	53.6	48.3	43.1	32.9	27.9	39.2
2010	30.5	35.9	34.2	39.1	46.3	52.3	55.0	56.5	52.4	43.5	36.2	28.5	42.5
POR= 89 YRS	26.7	27.6	31.3	36.7	43.4	49.6	53.7	53.2	48.0	40.5	32.7	28.6	39.3

**HEATING DEGREE DAYS (base 65°F) 2010 YAKUTAT (PAYA)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1981-82	263	283	460	643	893	1161	1388	1145	1075	940	702	475	9428
1982-83	365	389	473	770	983	1017	1065	888	925	778	596	357	8606
1983-84	302	330	588	757	995	1320	1046	916	839	784	655	485	9017
1984-85	382	333	481	747	993	1137	842	1041	1000	928	723	546	9153
1985-86	382	414	527	844	1327	966	955	1002	969	928	657	467	9438
1986-87	336	398	518	675	974	905	1015	871	1068	779	614	504	8657
1987-88	344	335	496	683	830	1077	1184	951	915	782	650	432	8679
1988-89	382	373	546	685	939	1113	1336	1246	1162	778	607	427	9594
1989-90	307		414	736	1063	868	1196	1184	939	727	554	351	
1990-91	299	279	409	781	1211	1249	1290	900	1081	797	656	400	9352
1991-92	316	348	425	771	849	950	944	991	956	782	629	398	8359
1992-93	311	398	628	858	852	1243	1387	984	988	706	525	361	9241
1993-94	248	308	482	628	906	980	1106	1221	939	713	630	366	8527
1994-95	313	282	501	739	1154	1216	1259	1038	1165	747	547	403	9364
1995-96	318	367	335	719	998	1120	1536	1023	1004	790	607	415	9232
1996-97	307	351	562	858	1055	1281	1164	833	1059	765	596	355	9186
1997-98	273	239	419	796	842	957	1147	782	937	759	634	421	8206
1998-99	362	393	531	731	971	1189	1215	1081	1086	869	712	409	9549
1999-00	345	332	523	741	977	1048	1228	964	964	806	659	433	9020
2000-01	353	380	517	734	855	996	884	1001	991	828	713	407	8659
2001-02	348	330	496	775	1007	1112	1041	1015	1227	1014	639	434	9438
2002-03	363	347	498	621	727	1042	1020	852	1047	759	660	430	8366
2003-04	303	383	500	680	1011	1034	1277	842	984	761	554	342	8671
2004-05	260	246	510	717	868	1025	1159	954	866	708	501	377	8191
2005-06	268	301	463	743	970	937	1124	995	1160	833	614	392	8800
2006-07	320	350	484	704	1271	951	1114	1131	1208	860	662	422	9477
2007-08	312	324	478	764	886	1141	1242	1058	996	852	658	490	9201
2008-09	364	357	458	769	895	1247	1132	1133	1157	890	669	450	9521
2009-10	280	346	496	673	956	1144	1061	808	948	768	575	375	8430
2010-	302	256	370	659	855	1127							

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**COOLING DEGREE DAYS (base 65°F) 2010 YAKUTAT (PAYA)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1981	0	0	0	0	0	0	0	0	0	0	0	0	0
1982	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	1	0	0	0	0	0	0	1
1992	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	2	0	0	0	0	0	0	2
1996	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	3	0	0	0	0	3
2005	0	0	0	0	0	0	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	1	0	0	0	0	0	1
2010	0	0	0	0	0	0	0	0	0	0	0	0	0

## SNOWFALL (inches) 2010 YAKUTAT (PAYA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1981-82	0.0	0.0	T	0.4	12.9	21.8	35.2	24.4	32.6	47.2	0.2	0.0	174.7
1982-83	0.0	0.0	T	3.7	7.6	8.9	45.1	12.6	0.6	7.2	T	0.0	85.7
1983-84	0.0	0.0	T	0.6	7.9	12.4	39.9	68.6	2.5	4.5	0.0	T	136.4
1984-85	0.0	0.0	0.0	8.6	30.1	29.1	2.3	59.7	84.1	55.6	5.5	0.0	275.0
1985-86	0.0	0.0	0.0	18.4	13.3	7.8	39.6	21.7	26.7	38.9	T	0.0	166.4
1986-87	0.0	0.0	0.0	T	42.5	5.4	33.6	10.3	12.7	9.7	T	0.0	114.2
1987-88	0.0	0.0	T	T	5.1	44.0	20.5	41.5	13.8	10.5	T	0.0	135.4
1988-89	0.0	0.0	0.0	0.3	15.1	42.7	116.2	1.8	28.8	0.0	T	0.0	204.9
1989-90	0.0	0.0	0.0	T	48.1	4.9	27.0	68.7	18.5	0.4	0.0	0.0	
1990-91	0.0	0.0	0.0	2.9	41.2	51.3	27.2	56.8	40.4	2.9	0.0	0.0	222.7
1991-92	0.0	0.0	T	4.7	11.4	42.5	10.1	32.5	61.9	1.0	0.2	0.0	164.3
1992-93	0.0	0.0	0.8	7.2	8.5	52.1	41.6	21.9	10.6	1.5	0.0	0.0	144.2
1993-94	0.0	0.0	0.0	T	12.6	15.9	24.7	10.1	33.4	2.8	0.0	T	99.5
1994-95	0.0	0.0	0.0	2.3	53.5	21.0	7.6	24.7	25.7	0.1	T	0.0	134.9
1995-96	0.0	0.0	0.0	0.0	20.1	7.6	23.7	26.4	7.3	17.2	0.0	0.0	102.3
1996-97	0.0	0.0	T	28.6	5.0	30.4	29.6	4.7	32.5	17.1	0.0	0.0	147.9
1997-98	0.0	0.0	0.0	0.6		43.0	18.5	15.4	23.8	7.6	T	0.0	
1998-99	0.0	0.0	0.0	T	20.7	32.0	74.4	84.0	39.9	31.2	3.2	0.0	285.4
1999-00	0.0	T	T	12.8	54.4	86.3	46.6	18.1	22.2	7.2	T	0.0	247.6
2000-01	0.0	T	T	2.3	1.1	8.7	31.5	27.5	33.1	11.6	4.1	0.0	119.9
2001-02	0.0	0.0	0.0	10.2	11.7	70.2	23.4	70.9	16.4	7.0	0.0	0.0	209.8
2002-03	0.0	0.0	T	T	T	17.5	4.1	7.7	7.7	0.5	T	0.0	37.5
2003-04	0.0	T	0.0	0.0	32.5	36.1	24.8	24.1	38.8	2.3	0.0	0.0	158.6
2004-05	0.0	0.0	T	0.7	20.4	22.5	10.1	30.4	14.2	0.5	0.0	T	98.8
2005-06	0.0	0.0	0.0	T	56.8	7.7	41.7	25.7	32.9	10.3	T	0.0	175.1
2006-07	0.0	0.0	0.0	T	26.3	40.5	67.5	4.8	85.9	T	0.0	0.0	225.0
2007-08	0.0	0.0	T	T	1.1	23.3	35.9	52.3	29.1	20.1	0.5	0.0	162.3
2008-09	0.0	0.0	0.0	5.6	10.7	51.7	57.9	37.6	56.0	5.2	0.0	0.0	224.7
2009-10	0.0	0.0	0.0	T	31.7	16.0	21.2	5.2	33.0	3.8	T	0.0	110.9
2010-	0.0	0.0	T	1.0	8.0	23.0							
POR= 81 YRS	0.0	T	T	3.8	18.1	31.6	32.5	31.7	31.6	12.6	0.9	0.1	162.9

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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 EIGHTHS(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: <a href="https://mi3.ncdc.noaa.gov/mi3qry/login.cfm">https://mi3.ncdc.noaa.gov/mi3qry/login.cfm</a> SNOWFALL STOPPED MONTH &amp; YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p><b>NOTE:</b> 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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# 2010 YAKUTAT ALASKA (PAYA)

The Yakutat area is surrounded on three sides by the waters of the Gulf of Alaska and Yakutat Bay. Consequently, the climate is maritime in character. Although the area in the immediate vicinity of the station is relatively flat, rather rough, hilly terrain exists within short distances. At distances of 40 to 75 miles to the north and northeast, peaks of the St. Elias Range rise to heights of from 14,000 to almost 20,000 feet. The up-slope terrain, combined with the exposure of the station to moisture-laden air from the Gulf, tends to provide Yakutat with abundant rainfall. The annual precipitation of around 130 inches is one of the greatest in the state, and annual amounts have always been in excess of 85 inches. Thunderstorms seldom occur, with about one per year. June has the lowest precipitation of any month with around 5 inches. October, with almost 20 inches, has the heaviest monthly rainfall. In spite of abundant rainfall, runoff from heavy rain seldom creates a problem of any consequence. This is particularly true in the vicinity of the station where runoff not easily reaching drainage ditches is quite readily absorbed by the porous gravel which is exposed as a surface layer over much of the area. The heavy precipitation produces copious growth of various types of vegetation in the surrounding woods, including several types of edible berries. However, the soil is not suitable for agriculture and a great deal of time is required to prepare the soil to produce even small quantities of garden produce. Agricultural activity is of minor importance. Heavy stands of timber in the area are harvested for lumber and pulp. Fishing is a main source of income in the area.

Daily and seasonal temperatures are held within fairly well-confined limits. Differences between readings range from a little over 12 degrees in October to around 16 degrees in April and May. Normal monthly temperatures range from slightly above 26 degrees in January to around 53 degrees in July and August. Although Yakutat has experienced temperatures below -20 degrees, readings approaching this figure are extremely rare. Yakutat averages about 20 days each year with temperatures below zero. The higher mountain areas to the north and northeast of Yakutat, with extensive glaciation, provide down-slope cold air drainage which results in wide variations of temperature within short distances. Temperatures above the 80 degree mark have occurred in June, July, and August.

Snowfall has occurred in all months of the year except June, July, and August.

Cloudiness is abundant with the annual sunrise to sunset cloud cover exceeding eight-tenths. During the spring, fall, and winter months the Yakutat area is subjected to numerous storms, usually accompanied by high winds. The St. Elias Mountain Range, which borders the area on the northeast and contains numerous glaciers, exerts a pronounced effect upon the local weather, particularly when a steep pressure gradient develops with low pressure in the Gulf to the southwest of Yakutat. Under these conditions cold winds move down from the glacier slopes and skies are generally cloudless.

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