



# JULY 2010 LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

**HOMER, AK**  
**HOMER AIRPORT (PAHO)**  
 Lat: 59° 38'N Long: 151° 28'W Elev (Ground) 56 Feet  
 Time Zone : ALASKA WBAN: 25507 ISSN#: 0197-9752



Date 1	Temperature °F						Deg Days BASE 65°		WEATHER 10	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date 24
	MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEP FROM NORMAL 5	AVERAGE DEW PT 6	AVERAGE WET BULB 7	HEATING 8	COOLING 9		0300 LST 11	0900 LST 12	2400 LST 13	2400 LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			3-SEC		2-MIN			
20	21	22	23	24																				
01	57	47	52	-1	44	48	13	0	RA			T	29.84	29.92	1.4	22	3.2	13	26	9	27	01		
02	55	47	51	-2	46	49	14	0	RA			T	29.78	29.87	1.0	12	2.1	10	09	8	09	02		
03	54	48	51	-2	48	49	14	0	RA			0.06	29.65	29.75	4.2	24	4.4	20	26	16	25	03		
04	56	47	52	-1	46	48	13	0	RA			0.06	29.77	29.85	3.3	26	4.7	18	26	15	26	04		
05	56	46	51	-2	45	49	14	0	RA			0.01	29.74	29.83	2.5	22	3.7	15	15	9	25	05		
06	59	48	54	1	44	48	11	0				0.00	30.06	30.13	3.5	21	6.6	23	13	14	16	06		
07	57	46	52	-1	48	50	13	0	RA BR			0.26	29.93	30.00	1.2	08	3.0	15	09	13	08	07		
08	56	44	50	-3	46	49	15	0	RA			T	29.92	30.02	1.5	14	3.5	15	13	13	11	08		
09	62	36*	49	-5	44	47	16	0	RA			0.04	29.78	29.86	0.8	08	4.0	20	08	14	08	09		
10	56	47	52	-2	45	48	13	0	RA			T	29.51	29.60	3.1	24	3.8	23	25	18	25	10		
11	60	43	52	-2	47	50	13	0				0.00	29.75	29.84	4.6	24	6.0	21	24	15	24	11		
12	60	43	52	-2	47	50	13	0	RA			0.08	29.82	29.89	4.2	25	6.6	24	26	20	25	12		
13	53	49	51	-3	50	50	14	0	RA BR			0.55	29.78	29.86	1.8	22	2.1	8	22	7	22	13		
14	59	49	54	0	50	52	11	0	BR			0.00	29.98	30.05	5.8	26	6.9	25	22	17	24	14		
15	59	50	55	1	48	50	10	0				0.00	30.04	30.13	10.1	27	10.2	28*	26	21*	26	15		
16	56	45	51	-3	48	50	14	0				0.00	30.14	30.22	6.8	25	7.2	25	32	18	25	16		
17	63*	42	53	-1	48	51	12	0	BR			0.00	30.16	30.24	4.5	24	5.7	20	25	15	28	17		
18	58	51	55	1	49	51	10	0	RA			0.13	30.08	30.16	2.1	24	3.2	16	13	12	14	18		
19	60	51	56	2	51	53	9	0	RA BR			0.11	30.08	30.17	2.8	24	3.7	21	20	14	21	19		
20	59	49	54	0	51	52	11	0	RA BR			0.08	30.01	30.09	3.8	26	4.2	18	03	13	27	20		
21	55	44	50	-5	47	49	15	0				0.00	29.93	30.01	11.4	23	11.5	23	23	18	23	21		
22	54	44	49	-6	47	49	16	0	RA			T	29.77	29.85	2.7	24	3.6	16	24	12	25	22		
23	54	42	48*	-7	45	48	17	0				0.00	29.72	29.81	7.6	24	8.9	24	23	18	24	23		
24	53	48	51	-4	47	48	14	0	RA			0.05	29.84	29.92	2.0	26	2.4	13	21	9	20	24		
25	58	48	53	-2	47	50	12	0	RA			0.29	29.90	29.97	0.6	08	2.6	21	13	14	14	25		
26	55	49	52	-3	49	50	13	0	RA BR			0.78	29.88	29.96	2.6	26	4.2	23	14	14	17	26		
27	58	46	52	-3	48	49	13	0				0.00	29.94	30.02	4.6	24	5.2	17	24	15	24	27		
28	58	42	50	-5	46	49	15	0				0.00	29.96	30.04	2.9	26	4.1	18	26	14	25	28		
29	62	49	56	1	48	51	9	0	RA			0.74	29.99	30.07	1.1	25	2.4	12	25	10	25	29		
30	60	51	56*	1	50	52	9	0	RA			0.20	29.84	29.92	4.1	08	4.7	24	07	17	08	30		
31	57	50	54	-1	51	52	11	0	RA BR			0.03	29.82	29.91	3.9	25	4.6	17	24	14	24	31		
57.4		46.5	52.0	☼	47.4	49.7	12.8	0.0	< MONTHLY AVERAGES   TOTALS >				3.47	29.88	29.97	3.0	24	4.8	< MONTHLY AVERAGES					
-3.6		-0.7	-2.1		-----DEPARTURE FROM NORMAL ----->								2.02	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
<b>DEGREE DAYS</b>									GREATEST 24-HR PRECIPITATION : 0.87				DATE : 25-26		SEA LEVEL PRESSURE				DATE		TIME			
MONTHLY					SEASON TO DATE				GREATEST 24-HR SNOWFALL :				DATE :		MAXIMUM :				17		1253			
TOTAL DEPARTURE					TOTAL DEPARTURE				GREATEST SNOW DEPTH :				DATE :		MINIMUM :				10		0953			
HEATING :		397		59		397		59		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 70 :		0		MINIMUM TEMP <= 32 :		0		PRECIPITATION >= 0.01 INCH :		16		
COOLING :		0		0		0		0		THUNDERSTORMS :		0		0		MINIMUM TEMP <= 0 :		0		PRECIPITATION >= 0.10 INCH :		8		
																HEAVY FOG :		0		SNOWFALL >= 1.0 INCH :				

**JULY 2010  
HOMER, AK**

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOMER, AK (PAHO)  
JULY 2010

WBAN # 25507

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			
01													01			T			T	T				01	T	T		
02													02								T	T		02	T	T		
03	0.01	T	0.01		T	0.01	T	0.01	T	T	T		03	0.01	0.01	T							03	0.06	0.06			
04													04						0.02	0.03	0.01	T	T	04	0.06	0.06		
05	T												05							T	T	T	0.01	05	0.01	0.01		
06													06											06	0.00	0.00		
07													07	0.01	0.03	0.01	0.01	0.01	0.09	0.10				07	0.26	0.26		
08													08											08	T	T		
09													09				T	0.01	0.01	0.02			T	09	0.04	0.04		
10	T	T											10							T		T		10	T	T		
11													11											11	0.00	0.00		
12													12							0.01	T	0.01	0.03	0.03	12	0.08	0.08	
13	T	0.01	T	0.03	0.07	0.08	0.01	0.06	0.01	0.03	0.06	0.06	13	0.02	0.03	0.02		T	0.03	0.03				13	0.55	0.55		
14													14											14	0.00	0.00		
15													15											15	0.00	0.00		
16													16											16	0.00	0.00		
17													17											17	0.00	0.00		
18		T	T	0.01	0.01	0.02	0.02	0.03	0.02	0.02	T	T	18		T	T							18	0.13	0.13			
19				0.02	T	0.06	0.01	T					19								0.02	T		19	0.11	0.11		
20													20	0.02	T	T		0.02	0.01	0.02	0.01			20	0.08	0.08		
21													21											21	0.00	0.00		
22													22		T	T			T	T				22	T	T		
23													23											23	0.00	0.00		
24										T	0.03	0.01	24						0.01	T			24	0.05	0.05			
25		T	0.02	0.04	0.04	0.03	0.05	0.02			T		25		0.02	0.01	T			T	0.01	T	0.03	0.02	25	0.29	0.29	
26	0.01			0.05	0.12	0.14	0.11	0.06	0.09	0.02	0.06	0.06	26	0.06										26	0.78	0.78		
27													27											27	0.00	0.00		
28													28											28	0.00	0.00		
29													29	0.71				T	0.02					29	0.74	0.74		
30										T	0.01	0.03	30	0.01	0.04	0.01	T	T	0.02	0.03	0.01	T	0.02	30	0.20	0.20		
31						T	T	T	0.01	0.02			31											31	0.03	0.03		

\* Indicates sum of Hourly and Daily disagree.

### MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.72	0.72	0.72
Ending Date	29	29	29	29	29	29	29	29	29	29	29	29
Ending Time (Hr/Min)	1213	1213	1213	1213	1213	1213	1213	1213	1213	1213	1213	1213

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

Date and time are not entered for TRACE amounts.



# OBSERVATIONS AT 3-HOURLY INTERVALS

HOMER, AK  
JULY 2010

PAHO

WBAN # 25507

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)					
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0353						JUL 01						SUNSET: 2227																	
03	OVC	038			10.00	49	43	46	80	3	22	29.87	29.95	03	OVC	090			10.00	49	47	48	93	0	00	30.04	30.12		
06	FEW	040			10.00	49	45	47	86	3	01	29.87	29.94	06	SCT	120			10.00	47	45	46	93	0	00	30.01	30.09		
09	CLR	NC			10.00	54	44	49	69	3	15	29.86	29.94	09	OVC	060			10.00	50	46	48	86	0	00	29.99	30.07		
12	SCT	049			10.00	56	42	49	60	5	24	29.84	29.92	12	OVC	055			10.00	51	49	50	93	5	22	29.93	30.01		
15	OVC	120			10.00	53	44	49	72	5	27	29.84	29.91	15	BKN	043			10.00	54	51	52	90	0	00	29.90	29.98		
18	OVC	070			10.00	53	44	49	72	3	21	29.83	29.91	18	OVC	060			10.00	55	50	52	83	7	13	29.85	29.93		
21	OVC	085			10.00	52	45	49	77	0	00	29.82	29.90	21	BKN	090			10.00	56	50	53	80	7	03	29.82	29.90		
24	OVC	080			10.00	50	44	47	80	0	00	29.83	29.91	24	SCT	085			10.00	54	49	51	83	10	08	29.81	29.89		
SUNRISE: 0354						JUL 02						SUNSET: 2226																	
03	OVC	070			10.00	48	45	47	89	0	00	29.84	29.92	03	OVC	120			10.00	51	49	50	93	0	00	29.84	29.92		
06	OVC	075			10.00	49	47	48	93	0	00	29.84	29.92	06	OVC	100			10.00	50	47	48	90	3	36	29.86	29.94		
09	OVC	075			10.00	52	45	49	77	5	07	29.83	29.91	09	OVC	055			10.00	51	48	49	90	6	23	29.90	29.98		
12	OVC	070			10.00	53	43	48	69	6	11	29.81	29.89	12	OVC	110			10.00	55	48	51	77	3	21	29.96	30.04		
15	OVC	048			10.00	53	45	49	74	0	00	29.79	29.87	15	OVC	050			10.00	55	47	51	75	5	09	29.99	30.07		
18	OVC	055			10.00	53	46	49	77	0	00	29.75	29.83	18	OVC	080			10.00	56	45	50	67	0	00	29.98	30.06		
21	BKN	055			10.00	52	49	50	90	0	00	29.71	29.79	21	BKN	055			10.00	53	43	48	69	5	13	29.97	30.05		
24	OVC	085			10.00	49	48	48	96	0	00	29.69	29.77	24	CLR	NC			10.00	47	41	44	80	0	00	29.96	30.04		
SUNRISE: 0355						JUL 03						SUNSET: 2225																	
03	OVC	110			10.00	48	48	48	100	0	00	29.66	29.74	03	CLR	NC			10.00	41	38	40	89	0	00	29.91	29.99		
06	OVC	055			10.00	48	48	48	100	0	00	29.64	29.72	06	CLR	NC			10.00	42	39	41	89	3	01	29.87	29.96		
09	BKN	060			10.00	49	49	49	100	5	22	29.64	29.72	09	CLR	NC			10.00	51	42	47	71	9	08	29.81	29.89		
12	BKN	065			10.00	51	49	50	93	7	23	29.65	29.72	12	OVC	100			10.00	52	44	48	74	9	25	29.79	29.87		
15	BKN	055			10.00	52	48	50	86	14	25	29.65	29.73	15	OVC	150			10.00	54	45	49	72	5	22	29.75	29.83		
18	BKN	080			10.00	53	48	50	83	10	24	29.66	29.74	18	OVC	060			10.00	52	48	50	86	3	01	29.73	29.81		
21	OVC	065			10.00	51	47	49	86	5	28	29.68	29.76	21	OVC	090			10.00	53	45	49	74	5	09	29.67	29.75		
24	OVC	021			10.00	50	47	48	90	0	00	29.71	29.79	24	OVC	100			10.00	49	48	48	96	0	00	29.63	29.71		
SUNRISE: 0356						JUL 04						SUNSET: 2225																	
03	FEW	035			10.00	50	46	48	86	7	23	29.73	29.81	03	OVC	080			10.00	49	47	48	93	3	03	29.56	29.64		
06	SCT	150			10.00	50	46	48	86	6	28	29.75	29.83	06	OVC	070			10.00	54	46	50	75	0	00	29.48	29.56		
09	BKN	075			10.00	53	45	49	74	11	26	29.77	29.85	09	BKN	060			10.00	55	46	50	72	0	00	29.44	29.52		
12	BKN	250			10.00	54	45	49	72	10	26	29.80	29.88	12	OVC	050			10.00	51	45	48	80	6	29	29.45	29.53		
15	OVC	070			10.00	54	45	49	72	0	00	29.81	29.89	15	BKN	140			10.00	53	44	49	72	9	20	29.46	29.53		
18	OVC	050			10.00	55	45	50	69	0	00	29.78	29.86	18	OVC	150			10.00	51	43	47	74	9	25	29.50	29.58		
21	OVC	044			9.00	49	48	48	96	5	27	29.78	29.86	21	OVC	150			10.00	50	43	47	77	5	29	29.57	29.65		
24	OVC	055			10.00	48	45	47	89	0	00	29.75	29.83	24	OVC	044			10.00	48	44	46	86	0	00	29.63	29.71		
SUNRISE: 0358						JUL 05						SUNSET: 2224																	
03	OVC	075			10.00	48	44	46	86	0	00	29.67	29.75	03	FEW	011			10.00	44	42	43	93	0	00	29.68	29.75		
06	BKN	070			10.00	50	46	48	86	0	00	29.64	29.72	06	BKN	090			10.00	46	44	45	93	0	00	29.70	29.78		
09	BKN	065			10.00	55	45	50	69	0	00	29.65	29.73	09	OVC	015			10.00	50	46	48	86	6	06	29.73	29.80		
12	BKN	048			10.00	53	47	50	80	7	25	29.71	29.79	12	BKN	250			10.00	58	51	54	78	9	23	29.77	29.85		
15	OVC	050			10.00	55	45	50	69	5	18	29.76	29.83	15	CLR	NC			10.00	57	50	53	78	11	21	29.79	29.87		
18	OVC	060			10.00	53	44	49	72	6	VR	29.81	29.89	18	CLR	NC			10.00	57	50	53	78	13	24	29.81	29.89		
21	OVC	044			10.00	52	45	49	77	8	24	29.89	29.97	21	CLR	NC			10.00	55	48	51	77	9	25	29.82	29.90		
24	OVC	042			10.00	49	47	48	93	5	28	29.98	30.06	24	CLR	NC			10.00	53	46	49	77	3	26	29.84	29.92		
SUNRISE: 0359						JUL 06						SUNSET: 2223																	
03	OVC	049			10.00	51	41	46	69	11	14	30.02	30.10	03	CLR	NC			10.00	47	45	46	93	0	00	29.84	29.92		
06	OVC	047			10.00	50	41	46	71	9	16	30.05	30.13	06	CLR	NC			10.00	48	47	48	96	3	04	29.81	29.89		
09	SCT	046			10.00	54	43	49	67	5	VR	30.07	30.15	09	SCT	200			10.00	55	48	51	77	10	26	29.83	29.91		
12	OVC	055			10.00	54	44	49	69	9	25	30.09	30.17	12	CLR	NC			10.00	55	46	50	72	15	25	29.81	29.89		
15	BKN	029			10.00	57	45	51	64	7	34	30.08	30.15	15	CLR	NC			10.00	58	46	52	65	16	25	29.81	29.89		
18	CLR	NC			10.00	56	44	50	64	7	19	30.06	30.14	18	BKN	100			10.00	58	50	54	75	5	03	29.79	29.87		
21	OVC	075			10.00	51	46	49	83	7	26	30.06	30.14	21	BKN	075			10.00	54	46	50	75	9	12	29.80	29.88		
24	OVC	090			10.00	50	46	48	86	0	00	30.07	30.15	24	OVC	060			8.00	51	50	50	96	0	00	29.78	29.86		
SUNRISE: 0400						JUL 07						SUNSET: 2222																	
03	OVC	090			10.00	49	47	48	93	0	00	30.04	30.12	03	OVC	090			10.00	49	47	48	93	0	00	30.04	30.12		
06	SCT	120			10.00	47	45	46	93	0	00	30.01	30.09	06	SCT	120			10.00	47	45	46	93	0	00	30.01	30.09		
09	OVC	060			10.00	50	46	48	86	0	00	29.99	30.07	09	OVC	060			10.00	50	46	48	86	0	00	29.99	30.07		
12	OVC	055			10.00	51	49	50	93	5	22	29.93	30.01	12	OVC	055			10.00	51	49	50	93	5	22	29.93	30.01		
15	BKN	043			10.00	54	51	52	90	0	00	29.90	29.98	15	BKN	043			10.00	54	51	52	90	0	00	29.90	29.98		
18	OVC	060			10.00	55	50	52	83	7	13	29.85	29																

# OBSERVATIONS AT 3-HOURLY INTERVALS

HOMER, AK  
JULY 2010

PAHO

WBAN # 25507

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)					
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0410 JUL 13						SUNSET: 2214						SUNRISE: 0422 JUL 19						SUNSET: 2203											
03	OVC	060			10.00	51	50	50	96	3	24	29.76	29.83	03	OVC	036			10.00	-RA	BR	52	51	51	96	0	00	30.06	30.14
06	OVC	075			5.00	50	49	49	96	0	00	29.73	29.81	06	OVC	033			6.00	-RA	BR	51	51	51	100	3	24	30.09	30.17
09	OVC	065			9.00	51	50	50	96	3	26	29.73	29.81	09	OVC	036			10.00			51	51	51	100	0	00	30.10	30.18
12	OVC	050			5.00	52	50	51	93	0	00	29.76	29.83	12	OVC	055			10.00			54	52	53	93	7	24	30.13	30.20
15	OVC	060			10.00	52	51	51	96	6	21	29.78	29.86	15	OVC	048			10.00			59	51	55	75	3	24	30.11	30.19
18	OVC	055			8.00	52	50	51	93	0	00	29.81	29.89	18	BKN	035			10.00			57	51	54	80	7	26	30.09	30.17
21	OVC	065			10.00	51	51	51	100	3	23	29.84	29.92	21	OVC	080			10.00	-RA		55	51	53	86	3	33	30.08	30.16
24	OVC	080			10.00	50	50	50	100	0	00	29.89	29.97	24	OVC	037			10.00			54	53	53	96	0	00	30.08	30.16
SUNRISE: 0412 JUL 14						SUNSET: 2212						SUNRISE: 0424 JUL 20						SUNSET: 2201											
03	OVC	003			10.00	49	49	49	100	0	00	29.92	30.00	03	OVC	041			10.00			53	53	53	100	0	00	30.05	30.14
06	CLR	NC			10.00	50	50	50	100	0	00	29.94	30.02	06	OVC	060			10.00			53	52	52	96	0	00	30.04	30.12
09	BKN	075			10.00	53	51	52	93	0	00	29.97	30.05	09	SCT	110			10.00			56	53	54	90	3	20	30.02	30.10
12	FEW	080			10.00	57	51	54	80	11	24	29.99	30.07	12	OVC	050			10.00			57	49	53	75	5	26	29.99	30.07
15	CLR	NC			10.00	57	50	53	78	11	24	30.01	30.09	15	OVC	039			10.00			56	51	53	83	5	27	29.98	30.06
18	CLR	NC			10.00	56	50	53	80	9	26	30.01	30.09	18	OVC	040			10.00	-RA		54	52	53	93	7	27	29.98	30.06
21	FEW	038			10.00	55	49	52	80	10	28	30.01	30.09	21	BKN	065			10.00			52	49	50	90	9	24	29.98	30.06
24	OVC	032			10.00	54	49	51	83			30.03	30.11	24	FEW	021			10.00			50	46	48	86	6	25	29.99	30.07
SUNRISE: 0414 JUL 15						SUNSET: 2210						SUNRISE: 0426 JUL 21						SUNSET: 2159											
03	OVC	032			10.00	53	48	50	83	6	28	30.03	30.11	03	BKN	021			10.00			49	46	48	89	10	24	29.98	30.06
06	SCT	035			10.00	50	48	49	93	0	00	30.03	30.11	06	BKN	021			10.00			49	45	47	86	14	22	29.96	30.03
09	OVC	005			10.00	51	49	50	93	8	28	30.05	30.13	09	CLR	NC			10.00			51	47	49	86	13	23	29.95	30.03
12	SCT	200			10.00	53	48	50	83	14	26	30.07	30.14	12	SCT	200			10.00			54	48	51	80	13	23	29.94	30.02
15	SCT	250			10.00	55	48	51	77	15	27	30.06	30.14	15	SCT	200			10.00			54	47	50	77	14	23	29.93	30.01
18	SCT	250			10.00	57	46	51	67	15	26	30.05	30.13	18	SCT	250			10.00			54	48	51	80	15	23	29.90	29.98
21	CLR	NC			10.00	54	46	50	75	11	27	30.06	30.14	21	FEW	040			10.00			51	47	49	86	11	23	29.87	29.95
24	CLR	NC			10.00	52	46	49	80	6	27	30.09	30.16	24	FEW	033			10.00			50	46	48	86	8	24	29.85	29.93
SUNRISE: 0416 JUL 16						SUNSET: 2209						SUNRISE: 0428 JUL 22						SUNSET: 2157											
03	OVC	027			10.00	50	46	48	86	3	30	30.10	30.18	03	OVC	028			10.00			49	46	48	89	3	22	29.82	29.90
06	CLR	NC			10.00	48	46	47	93	0	00	30.12	30.20	06	OVC	070			10.00			47	46	47	96	0	00	29.77	29.85
09	CLR	NC			10.00	53	48	50	83	6	20	30.14	30.22	09	OVC	070			10.00			51	47	49	86	3	11	29.76	29.84
12	SCT	250			10.00	55	50	52	83	11	25	30.15	30.23	12	OVC	055			10.00			51	46	49	83	0	00	29.76	29.84
15	BKN	250			10.00	56	48	52	75	15	25	30.16	30.24	15	BKN	085			10.00			52	50	51	93	6	22	29.75	29.83
18	BKN	250			10.00	55	47	51	75	14	27	30.16	30.24	18	OVC	160			10.00			52	49	50	90	7	25	29.73	29.81
21	BKN	250			10.00	54	47	50	77	6	25	30.15	30.23	21	BKN	080			10.00			51	48	49	90	3	25	29.74	29.82
24	CLR	NC			10.00	48	47	48	96	0	00	30.17	30.25	24	CLR	NC			10.00			46	45	46	96	0	00	29.74	29.82
SUNRISE: 0418 JUL 17						SUNSET: 2207						SUNRISE: 0430 JUL 23						SUNSET: 2155											
03	CLR	NC			10.00	45	45	45	100	0	00	30.17	30.25	03	FEW	055			10.00			44	43	44	96	0	00	29.71	29.79
06	CLR	NC			10.00	47	46	47	96	0	00	30.17	30.25	06	OVC	021			10.00			48	47	48	96	0	00	29.71	29.79
09	CLR	NC			10.00	53	50	51	90	5	17	30.18	30.25	09	CLR	NC			10.00			53	46	49	77	14	25	29.71	29.79
12	CLR	NC			10.00	60	48	54	65	7	VR	30.18	30.26	12	CLR	NC			10.00			53	46	49	77	14	24	29.73	29.81
15	SCT	250			10.00	62	48	55	60	9	24	30.17	30.24	15	BKN	090			10.00			52	45	49	77	11	23	29.73	29.81
18	SCT	250			10.00	60	47	53	62	14	25	30.14	30.22	18	BKN	055			10.00			51	44	48	77	10	24	29.73	29.80
21	BKN	250			10.00	56	50	53	80	9	27	30.14	30.22	21	OVC	049			10.00			50	44	47	80	8	25	29.72	29.80
24	OVC	048			10.00	56	48	52	75	7	17	30.14	30.22	24	BKN	050			10.00			50	46	48	86	6	26	29.75	29.83
SUNRISE: 0420 JUL 18						SUNSET: 2205						SUNRISE: 0432 JUL 24						SUNSET: 2153											
03	OVC	050			10.00	55	48	51	77	7	13	30.14	30.22	03	OVC	042			10.00			50	46	48	86	5	27	29.76	29.84
06	OVC	048			8.00	52	49	50	90	3	11	30.11	30.19	06	OVC	080			10.00			50	45	48	83	6	27	29.78	29.86
09	OVC	070			9.00	53	49	51	86	0	00	30.08	30.16	09	OVC	065			10.00	-RA		50	46	48	86	6	25	29.82	29.90
12	OVC	060			10.00	56	49	52	78	0	00	30.08	30.16	12	OVC	050			10.00			51	48	49	90	0	00	29.85	29.93
15	OVC	048			10.00	55	49	52	80	3	28	30.06	30.14	15	OVC	050			10.00			52	46	49	80	3	26	29.88	29.96
18	OVC	042			10.00	56	49	52	78	5	27	30.04	30.12	18	OVC	044			10.00			52	47	49	83	0	00	29.89	29.97
21	OVC	040			10.00	54	51	52	90	5	25	30.04	30.12	21	OVC	040			10.00			51	48	49	90	0	00	29.91	29.99
24	OVC	042			10.00	53	49	51	86	3	24	30.05	30.13	24	OVC	049			10.00			49	49	49	100	0	00	29.92	30.00

# OBSERVATIONS AT 3-HOURLY INTERVALS

HOMER, AK  
JULY 2010

PAHO

WBAN # 25507

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)					
			Observation Time (LST)	Eff Cl'd Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL		
														WEATHER	
<b>SUNRISE: 0434 JUL 25</b>						<b>SUNSET: 2151</b>									
03	OVC	070			10.00	-RA	JUL 25	50	47	48	90	0	00	29.93	30.01
06	OVC	060			9.00	-RA		49	47	48	93	0	00	29.93	30.01
09	OVC	100			10.00			52	47	49	83	0	00	29.93	30.01
12	BKN	120			10.00			57	45	51	64	3	11	29.90	29.98
15	OVC	110			10.00			54	47	50	77	0	00	29.89	29.97
18	OVC	150			10.00			55	46	50	72	3	28	29.86	29.94
21	OVC	055			10.00	-RA		52	50	51	93	0	00	29.85	29.93
24	OVC	070			10.00	-RA		51	49	50	93	0	00	29.86	29.94
<b>SUNRISE: 0437 JUL 26</b>						<b>SUNSET: 2149</b>									
03	OVC	070			10.00			53	48	50	83	5	27	29.85	29.93
06	OVC	065			4.00	RA BR		50	50	50	100	9	05	29.84	29.92
09	OVC	060			7.00	-RA		50	50	50	100	6	28	29.87	29.94
12	OVC	048			3.00	-RA BR		50	48	49	93	8	23	29.88	29.96
15	OVC	046			10.00			52	48	50	86	6	28	29.88	29.96
18	OVC	050			10.00			52	48	50	86	7	25	29.89	29.97
21	OVC	050			10.00			51	49	50	93	3	28	29.91	29.99
24	OVC	055			10.00			49	49	49	100	0	00	29.93	30.01
<b>SUNRISE: 0439 JUL 27</b>						<b>SUNSET: 2147</b>									
03	OVC	030			10.00			50	49	49	96	0	00	29.93	30.01
06	BKN	030			10.00			46	46	46	100	0	00	29.94	30.01
09	OVC	024			10.00			51	50	50	96	5	19	29.95	30.03
12	OVC	037			10.00			54	49	51	83	10	26	29.94	30.02
15	FEW	045			10.00			54	49	51	83	11	24	29.95	30.03
18	CLR	NC			10.00			51	48	49	90	13	23	29.93	30.01
21	BKN	038			10.00			50	47	48	90	9	25	29.93	30.01
24	CLR	NC			10.00			46	45	46	96	0	00	29.95	30.03
<b>SUNRISE: 0441 JUL 28</b>						<b>SUNSET: 2144</b>									
03	CLR	NC			9.00			43	43	43	100	0	00	29.95	30.03
06	OVC	120			10.00			45	45	45	100	5	05	29.94	30.02
09	FEW	100			10.00			52	48	50	86	0	00	29.96	30.04
12	BKN	075			10.00			55	47	51	75	6	VR	29.97	30.05
15	CLR	NC			10.00			56	47	51	72	7	26	29.98	30.06
18	SCT	038			10.00			55	47	51	75	8	26	29.97	30.05
21	OVC	075			10.00			54	46	50	75	0	00	29.98	30.06
24	OVC	070			10.00			53	45	49	74	5	28	29.99	30.06
<b>SUNRISE: 0443 JUL 29</b>						<b>SUNSET: 2142</b>									
03	OVC	075			10.00			52	46	49	80	6	27	30.00	30.08
06	OVC	100			10.00			51	46	49	83	0	00	29.99	30.07
09	BKN	120			10.00			55	49	52	80	7	10	30.00	30.08
12	OVC	048			10.00			56	48	52	75	7	26	30.01	30.09
15	BKN	200			10.00			62	46	54	56	0	00	29.99	30.07
18	OVC	060			10.00	-RA		54	50	52	86	3	33	30.00	30.08
21	OVC	045			10.00			55	50	52	83	0	00	29.99	30.07
24	OVC	045			10.00			53	50	51	90	0	00	29.98	30.06
<b>SUNRISE: 0445 JUL 30</b>						<b>SUNSET: 2140</b>									
03	OVC	085			10.00			54	47	50	77	5	12	29.96	30.04
06	BKN	250			10.00			53	48	50	83	0	00	29.91	29.99
09	BKN	150			10.00	-RA		58	50	54	75	0	00	29.89	29.97
12	OVC	130			10.00	-RA		55	49	52	80	16	07	29.87	29.95
15	FEW	043			10.00	-RA		57	52	54	83	10	07	29.81	29.88
18	OVC	085			9.00	-RA		56	53	54	90	0	00	29.75	29.83
21	OVC	075			10.00			56	51	53	83	0	00	29.72	29.80
24	BKN	060			10.00			56	49	52	78	3	03	29.73	29.80

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)					
			Observation Time (LST)	Eff Cl'd Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL		
														WEATHER	
<b>SUNRISE: 0448 JUL 31</b>						<b>SUNSET: 2138</b>									
03	FEW	060			10.00			52	49	50	90	0	00	29.75	29.83
06	BKN	080			10.00			53	51	52	93	0	00	29.75	29.83
09	OVC	070			10.00	-RA		55	52	53	90	5	25	29.79	29.87
12	BKN	075			10.00			53	52	52	96	9	25	29.82	29.90
15	OVC	001			1.00	BR		52	52	52	100	11	24	29.84	29.92
18	OVC	060			5.00	BR		52	52	52	100	6	22	29.86	29.94
21	OVC	004			8.00			51	51	51	100	0	00	29.90	29.98

## 3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, W = Vertical Visibility = 8/8

Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

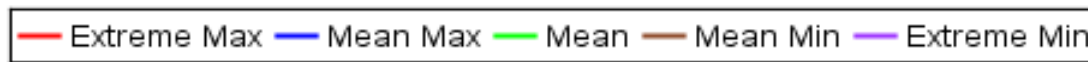
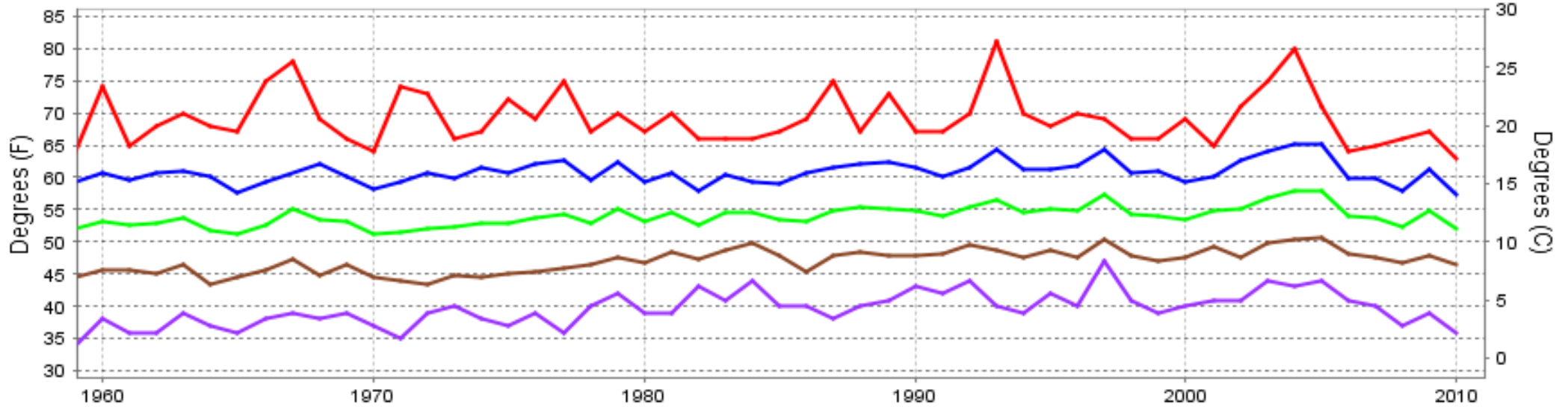
& = Original observation contained additional weather elements.

See page 3 for additional notes.

## SUMMARY BY HOUR

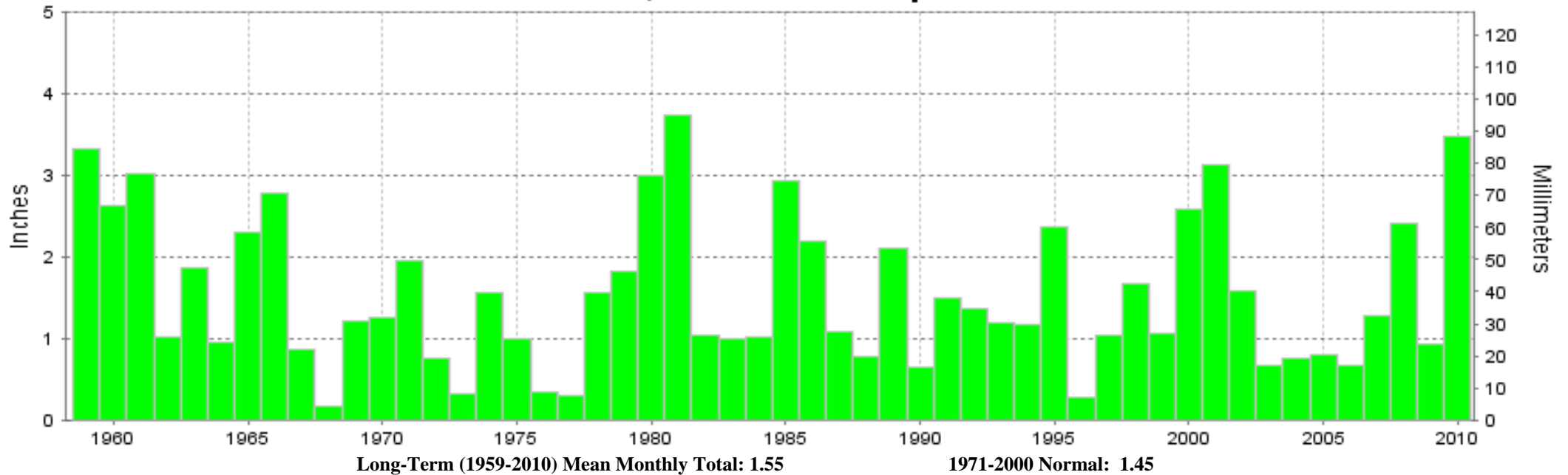
HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			50	47	48	89	29.90	29.98	9.90	3	1	22
02			50	47	48	90	29.89	29.97	10.00	2	2	25
03			49	46	48	90	29.89	29.97	9.97	2	2	25
04			49	46	48	90	29.88	29.96	9.77	2	1	18
05			49	46	47	92	29.88	29.96	9.65	2	2	23
06			49	47	48	91	29.88	29.96	9.42	2	1	20
07			51	47	49	88	29.88	29.96	9.74	3	1	22
08			52	47	50	86	29.88	29.96	9.74	4	3	26
09			53	48	50	84	29.88	29.96	9.84	5	2	26
10			53	48	50	81	29.89	29.96	9.84	6	4	26
11			54	47	51	79	29.89	29.97	9.80	7	5	27
12			54	48	51	79	29.89	29.97	9.61	7	6	27
13			54	48	51	79	29.89	29.97	9.68	7	5	27
14			55	48	51	78	29.89	29.97	9.48	7	5	27
15			55	48	51	77	29.89	29.97	9.71	7	6	27
16			55	48	51	77	29.89	29.96	9.71	8	5	27
17			55	48	51	78	29.88	29.96	9.65	7	7	27
18			54	48	51	79	29.88	29.96	9.61	7	6	27
19			54	48	50	80	29.88	29.96	9.65	6	5	27
20			53	48	50	82	29.88	29.96	9.74	6	5	27
21			53	48	50	84	29.88	29.96	9.90	5	4	26
22			52	48	50	86	29.89	29.97	9.90	3	3	26
23			51	47	49	87	29.89	29.97	9.90	3	3	26
24			51	47	49	88	29.89	29.97	9.93	2	2	25

## HOMER, AK JULY Temperatures



Long-Term (1959-2010) Mean: 54.0  
 1971-2000 Normal: 54.1

## HOMER, AK JULY Precipitation



Long-Term (1959-2010) Mean Monthly Total: 1.55

1971-2000 Normal: 1.45



JULY 2010  
HOMER, AK

# LOCAL CLIMATOLOGICAL DATA

## NOAA, National Climatic Data Center

*I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA-National Weather Service / Department Of Transportation-Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.*

  
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