

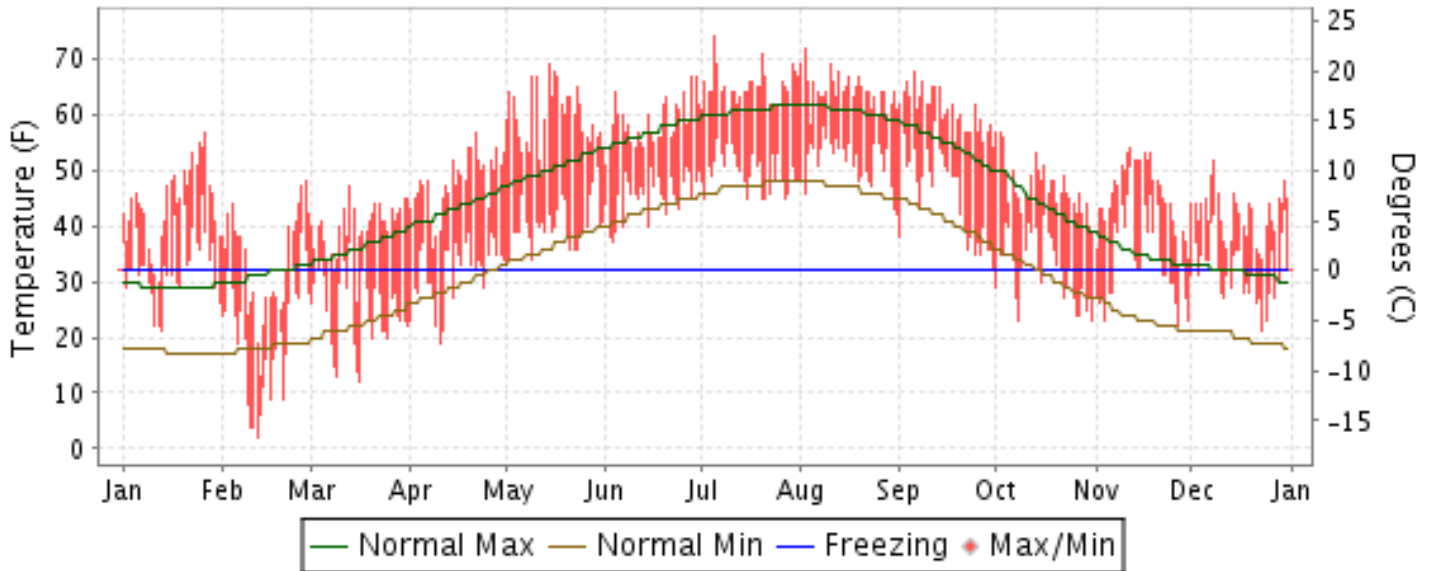


2014 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

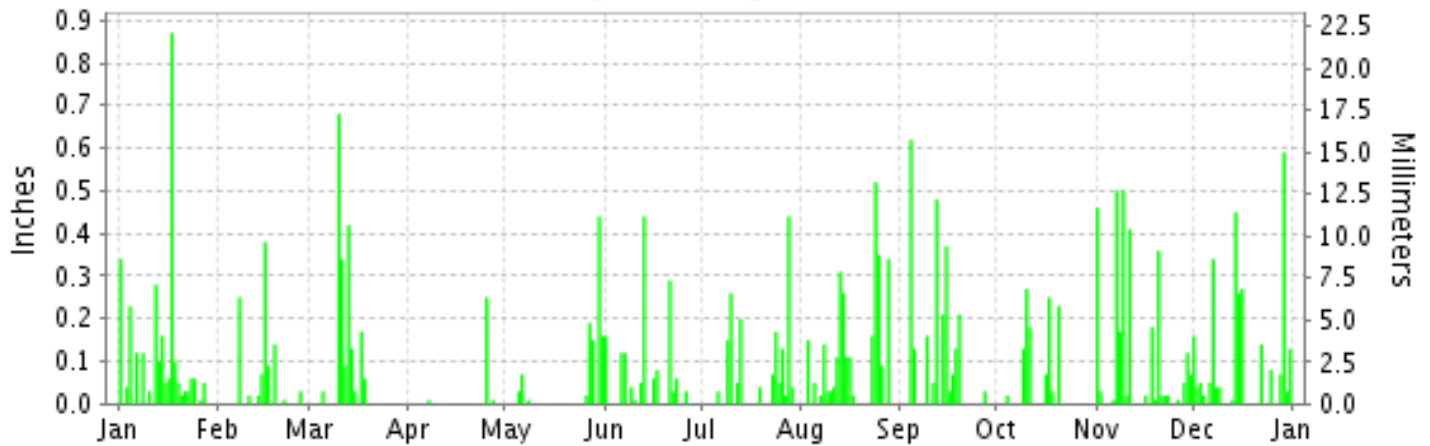
ISSN 0197-9744

HOMER, ALASKA (PAHO)

Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER.

NATIONAL
OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2014

HOMER (PAHO)

LATITUDE:
59° 38'N

LONGITUDE:
151° 29'W

ELEVATION (FT):
GRND: 64 BARO: 78

TIME ZONE:
ALASKA (UTC -9)

WBAN: 25507

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	44.2	33.4	39.8	47.9	59.7	58.6	65.0	64.3	60.7	47.0	45.6	42.1	50.7	
	HIGHEST DAILY MAXIMUM	57	48	47	57	69	67	74	72	68	57	54	52	74	
	DATE OF OCCURRENCE	27	27	13	21	15	29+	05	02	05	02+	12	08	JUL 05	
	MEAN DAILY MINIMUM	32.9	19.9	24.8	32.0	40.3	45.6	49.8	51.6	45.4	32.3	33.9	31.9	36.7	
	LOWEST DAILY MINIMUM	21	2	12	19	33	37	45	42	32	23	22	21	2	
	DATE OF OCCURRENCE	13	12	16	10	01	03	27+	31	30	31+	27	23	FEB 12	
	AVERAGE DRY BULB	38.6	26.6	32.3	39.9	50.0	52.1	57.4	58.0	53.1	39.7	39.7	37.0	43.7	
	MEAN WET BULB	35.5	24.3	28.7	35.3	43.6	47.1	52.2	47.6	47.6	35.4	36.9	35.2		
	MEAN DEW POINT	30.2	16.8	20.9	26.6	34.7	41.2	47.2	48.4	41.8	28.3	32.4	31.5	33.3	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 70	0	0	0	0	0	0	0	2	1	0	0	0	0	3
	MAXIMUM <= 32°	2	13	5	0	0	0	0	0	0	0	0	0	0	20
MINIMUM <= 32°	15	25	28	12	0	0	0	0	1	17	16	19	133		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	812	1067	1008	746	459	380	227	211	351	779	750	861	7651	
	COOLING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	
RH	MEAN (PERCENT)	71	65	63	59	58	66	69	71	68	65	75	80	68	
	HOUR 03 LST	72	65	68	67	68	74	78	77	74	71	74	81	72	
	HOUR 09 LST	72	69	65	61	56	66	70	72	71	70	76	79	69	
	HOUR 15 LST	68	61	56	49	47	60	59	64	58	55	71	78	61	
	HOUR 21 LST	71	64	61	59	55	65	68	70	69	65	76	81	67	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	1	0	1	0	2	0	1	0	0	0	1	0	6	
	THUNDERSTORMS	0	0	0	0	0	0	1	0	0	0	0	0	1	
PR	MEAN STATION PRESS. (IN.)	29.50	29.71	29.65	29.65	29.94	29.79	29.88		29.67	29.44	29.62	29.43		
	MEAN SEA-LEVEL PRESS. (IN.)	29.59	29.79	29.73	29.73	30.02	29.87	29.95	29.76	29.75	29.53	29.71	29.51	29.75	
WINDS	RESULTANT SPEED (MPH)	4.0	3.6	1.8	0.9	2.6	2.9	2.6	0.6	0.5	1.6	5.6	4.0	1.2	
	RES. DIR. (TENS OF DEGS.)	08	05	07	09	25	24	25	09	08	04	07	07	07	
	MEAN SPEED (MPH)	6.5	6.0	5.4	5.5	6.4	5.4	5.3	5.2	4.6	4.3	6.8	6.2	5.6	
	PREVAIL.DIR.(TENS OF DEGS.)	05	06	06	05	25	25	25	05	06	05	05	05	05	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	38	46	38	24	35	23	23	20	23	21	31	36	46	
	DIR. (TENS OF DEGS.)	09	01	23	08	24	04	25	24	09	07	08	08	01	
	DATE OF OCCURRENCE	27	07	14	12	31	16	19	31	12	13	07	29	FEB 07	
	MAXIMUM 3-SECOND WIND:														
SPEED (MPH)	52	63	48	33	45	30	30	29	30	28	40	44	63		
DIR. (TENS OF DEGS.)	10	36	08	08	24	04	24	11	07	07	12	08	36		
DATE OF OCCURRENCE	04	07	12	12	31	16	19	27	17	13	09	29	FEB 07		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	2.81	1.01	1.95	0.27	1.07	1.49	1.65	2.84	2.49	1.18	2.98	2.77	22.51	
	GREATEST 24-HOUR (IN.)	0.87	0.38	0.79	0.25	0.60	0.45	0.48	0.53	0.70	0.43	0.60	0.66	0.87	
	DATE OF OCCURRENCE	17	15	10-11	25	30-31	12-13	28-29	24-25	04-05	10-11	07-08	28-29	JAN 17	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	21	9	9	3	8	13	13	18	12	8	19	18	151		
PRECIPITATION 0.10	9	3	4	1	4	5	6	11	8	5	8	8	72		
PRECIPITATION 1.00	0	0	0	0	0	0	0	0	0	0	0	0	0		
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															

PRECIPITATION (inches) 2014 HOMER (PAHO)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1985	4.23	1.02	3.69	1.48	1.49	0.85	2.93	2.46	3.06	0.92	0.90	2.36	25.39
1986	3.77	2.20	0.07	0.22	1.09	0.29	2.20	2.93	4.16	5.56	2.54	7.78	32.81
1987	6.26	2.95	2.45	0.77	1.06	1.07	1.08	0.59	5.12	6.87	2.33	1.99	32.54
1988	4.71	3.95	4.34	4.09	0.91	0.89	0.77	3.22	1.29	2.43	1.85	5.51	33.96
1989	1.90	0.27	0.03	1.13	1.12	0.66	2.10	2.80	4.09	4.08	1.20	2.65	22.03
1990	3.07	1.54	0.33	0.40	1.10	1.20	0.64	2.39	6.18	1.66	0.16	1.48	20.15
1991	1.40	1.40	1.95	0.81	1.54	1.30	1.50	2.20	3.40	0.92	1.73	5.87	24.02
1992	4.33	1.15	3.76	0.49	0.33	0.45	1.36	2.63	1.06	0.83	4.50	2.56	23.45
1993	2.13	1.60	2.00	1.01	0.37	0.60	1.19	2.99	3.95	1.69	3.11	4.37	25.01
1994	0.96	1.31	2.45	0.75	1.08	0.78	1.18	0.80	3.33	1.98	3.06	3.84	21.52
1995	2.07	2.03	0.99	0.85	1.00	1.14	2.37	3.18	4.11	1.88	0.32	0.41	20.35
1996	0.18	2.17	0.21	0.97	0.46	1.24	.27	1.76	3.20	1.23	.38	.88	12.95
1997	2.23	1.84	0.43	0.62	0.57	1.16	1.05	2.34	4.81	1.01	5.87		
1998					2.31	1.45	1.67	3.85	2.04	2.60	2.89	1.32	
1999	2.67	1.54	2.72	0.87	0.98	0.70	1.07	2.88	4.11	3.79	2.31	2.86	26.50
2000	1.85	0.57	1.85	0.36	0.14	0.65	2.59	1.12	2.23	2.57	4.98	4.97	23.88
2001	8.65	2.41	3.05	1.45	0.28	0.05	3.13	3.01	2.47	1.84	1.13	4.32	31.79
2002	2.68	3.20	0.09	0.24	0.53	0.33	1.58	2.04	3.65	7.39	7.19	2.99	31.91
2003	1.73	1.56	0.58	0.97	0.80	1.45	0.68	3.46	1.05	2.89	1.54	3.91	20.62
2004	0.97	1.38	0.67	1.03	0.91	0.54	0.75	0.18	4.75	2.93	2.71	3.50	20.32
2005	0.37	0.85	1.61	1.07	0.37	1.09	0.80	1.16	5.21	1.95	1.41	2.46	18.35
2006	0.76	3.65	1.07	0.90	0.46	1.61	0.67	3.94	1.99	1.69	0.52	3.97	21.23
2007	2.14	0.36	0.29	1.68	0.32	0.42	1.27	1.03	3.34	2.54	7.29	3.16	23.84
2008	1.22	1.95	0.94	0.98	1.10	0.57	2.41	1.70	3.67	2.25	1.71	1.15	19.65
2009	1.47	0.69	0.67	0.31	0.83	0.40	0.94	2.05	2.46	1.70	3.40	2.83	17.75
2010	0.23	1.88	2.61	2.25	0.31	0.81	3.47	2.12	1.39	4.27	2.81	1.51	23.66
2011	1.40	1.98	0.26	1.26	0.40	0.75	0.92	3.27	3.10	3.24	1.58	5.08	23.24
2012	2.09	6.46	0.46	0.72	0.81	1.78	1.22	1.89	5.25	2.06	0.53	4.60	27.87
2013	4.33	1.23	0.93	0.52	1.15	0.49	0.86	3.39	2.39	4.29	1.43	1.49	22.50
2014	2.81	1.01	1.95	0.27	1.07	1.49	1.65	2.84	2.49	1.18	2.98	2.77	22.51
POR= 80 YRS	3.22	1.78	1.49	1.16	0.98	0.97	1.55	2.50	3.04	3.10	2.67	2.80	25.26

WBAN : 25507

AVERAGE TEMPERATURE (°F) 2014 HOMER (PAHO)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1985	36.0	20.4	30.0	27.9	41.4	46.9	53.5	51.8	47.1	32.8	24.9	35.1	37.3
1986	29.8	26.9	26.8	32.1	42.1	50.0	53.1	52.5	47.7	40.4	31.7	33.8	38.9
1987	29.6	32.1	31.6	36.7	44.3	50.1	54.7	54.9	46.4	39.7	31.2	24.7	39.7
1988	27.8	30.5	33.5	36.6	45.0	51.2	55.3	53.9	46.0	37.5	26.4	27.4	39.3
1989	11.0	25.8	27.4	37.9	43.5	50.2	55.2	56.7	50.9	38.1	25.8	30.4	37.7
1990	22.6	14.1	32.4	39.9	46.7	51.8	54.7	55.2	48.9	37.1	20.4	25.5	37.4
1991	24.3	24.9	29.6	38.6	43.9	50.3	54.1	52.7	50.3	38.9	32.5	27.3	39.0
1992	27.9	20.7	28.2	36.6	43.3	52.3	55.5	53.9	42.8	36.2	31.7	23.5	37.7
1993	24.2	27.3	33.5	40.5	48.0	51.1	56.5	55.8	49.1	40.8	32.5	32.4	41.0
1994	30.2	23.2	28.0	39.0	45.3	51.8	54.5	55.5	47.7	37.1	25.3	25.2	38.6
1995		26.3	22.9	41.0	46.0	51.7	55.0	53.5	51.7	41.1	26.4	28.0	
1996	18.8	23.1	33.5	38.6	44.8	51.0	54.8	53.8	46.5	32.1	29.6	21.3	37.3
1997	21.6	35.8	28.6	39.3	47.0	52.2	57.4	56.4	51.2	34.3	34.3	21.5	40.0
1998	23.3	30.6	33.9	37.8	43.5	50.3	54.3	51.9	47.8	39.3	31.9	22.1	38.9
1999	19.9	12.5	24.4	34.9	41.5	50.5	54.1	53.7	48.4	36.3	26.7	22.3	35.4
2000	17.5	31.8	32.2	36.7	43.7	50.5	53.5	52.3	46.1	38.4	35.8	35.0	39.5
2001	32.7	30.7	32.4	38.1	41.8	52.0	54.8	55.1	48.7	34.1	28.0	19.5	39.0
2002	29.5	28.4	27.6	34.6	44.7	50.8	55.1	53.4	49.5	44.5	39.4	28.9	40.5
2003	32.4	36.7	28.3	38.9	44.9	51.0	56.9	55.2	47.5	42.8	30.0	25.0	40.8
2004	17.8	32.7	28.0	38.7	47.7	53.2	57.8	57.3	46.4	41.8	34.6	30.5	40.5
2005	28.9	27.9	34.0	40.1	48.9	53.5	57.9	56.3	50.8	39.3	23.7	33.1	41.2
2006	20.4	27.7	28.1	37.1	45.7	50.5	54.0	52.3	48.6	41.4	18.3	25.3	37.5
2007	21.0	24.0	16.6	38.1	43.0	49.7	53.8	54.2	49.7	37.9	34.7	26.9	37.5
2008	21.2	20.4	32.6	33.8	43.3	48.2	52.4	52.6	48.6	34.4	26.9	23.7	36.5
2009	20.5	22.1	26.4	36.1	44.3	49.4	54.7	52.8	47.6	42.4	27.1	29.1	37.7
2010	26.6	31.3	27.5	35.8	43.2	48.8	52.0	52.4	47.1	37.4	29.7	18.2	37.5
2011	25.0	23.1	25.4	35.4	42.7	48.2	52.2	51.6	46.7	38.2	21.6	26.0	36.3
2012	9.0	27.9	22.7	36.0	41.4	48.0	50.3	51.7	49.8	36.8	25.6	23.3	35.2
2013	30.6	31.3	30.1	31.7	43.1	53.1	57.3	56.7	50.9	46.2	31.6	24.2	40.6
2014	38.6	26.6	32.3	39.9	50.0	52.1	57.4	58.0	53.1	39.7	39.7	37.0	43.7
POR= 79 YRS	23.1	25.3	28.5	35.9	43.3	49.4	53.1	53.1	47.4	37.7	28.6	24.2	37.5

HEATING DEGREE DAYS (base 65°F) 2014 HOMER (PAHO)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1985-86	349	400	531	994	1199	921	1082	1064	1177	980	704	447	9848
1986-87	361	383	511	758	995	958	1090	914	1028	841	633	441	8913
1987-88	312	306	548	778	1007	1240	1146	997	969	845	613	406	9167
1988-89	292	334	566	846	1150	1160	1672	1089	1159	808	659	437	10172
1989-90	299	251	418	828	1170	1069	1306	1417	1005	744	559	390	9456
1990-91	312	297	476	856	1331	1218	1254	1116	1093	785	647	433	9818
1991-92	329	372	434	801	969	1166	1141	1277	1137	846	666	371	9509
1992-93	287	339	657	887	990	1281	1259	1051	971	729	522	411	9384
1993-94	258	279	472	741	966	1002	1073	1165	1142	770	602	387	8857
1994-95	318	290	511	857	1185	1225		1079	1300	714	580	392	
1995-96	302	347	390	734	1153	1142	1426	1211	968	783	620	412	9488
1996-97	310	340	552	1012	1054	1344	1341	813	1121	764	549	379	9579
1997-98	230	260	406	943	917	1342	1287	955	957	808	657	434	9196
1998-99	327	401	509	790	986	1319	1390	1466	1251	896	721	427	10483
1999-00	334	344	489	885	1140	1315	1467	957	1010	843	655	430	9869
2000-01	350	386	558	818	871	924	995	954	1002	801	712	385	8756
2001-02	312	298	479	950	1103	1405	1094	1020	1152	907	624	416	9760
2002-03	296	353	457	631	763	1114	1006	786	1129	775	616	417	8343
2003-04	244	297	515	683	1045	1234	1455	929	1144	782	531	351	9210
2004-05	212	231	552	711	905	1062	1113	1033	956	741	494	335	8345
2005-06	216	261	419	793	1232	980	1376	1037	1138	827	586	431	9296
2006-07	335	384	485	721	1393	1226	1359	1144	1495	802	677	452	10473
2007-08	341	328	452	833	901	1176	1353	1288	995	931	663	496	9757
2008-09	384	376	485	940	1135	1272	1374	1193	1187	858	633	461	10298
2009-10	312	374	515	694	1129	1107	1184	936	1153	868	670	476	9418
2010-11	397	382	529	846	1051	1445	1232	1168	1219	884	683	497	10333
2011-12	393	411	540	824	1294	1205	1726	1071	1303	864	725	502	10858
2012-13	446	405	449	867	1176	1284	1056	936	1073	993	674	349	9708
2013-14	230	250	417	575	995	1258	812	1067	1008	746	459	380	8197
2014-	227	211	351	779	750	861							

WBAN : 25507

COOLING DEGREE DAYS (base 65°F) 2014 HOMER (PAHO)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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	1	0	0	0	0	1
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	
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	0	0	0	0	0	0
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	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	0

SNOWFALL (inches) 2014 HOMER (PAHO)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1976-77	0.0	0.0	0.0	21.9	16.5	14.1	T	T	18.8	4.4	0.5	0.0	76.2
1977-78	0.0	0.0	0.2	3.2	4.6	0.4	9.7	27.9	6.7	T	0.0	0.0	52.7
1978-79	0.0	0.0	0.0	T	1.4	20.3	11.4	T	5.3	3.0	0.0	0.0	41.4
1979-80	0.0	0.0	0.0	1.2	18.8	54.7	13.1	21.1	3.1	T	0.0	0.0	112.0
1980-81	0.0	0.0	0.0	4.9	2.8	8.5	11.1	8.3	6.9	0.1	0.0	0.0	42.6
1981-82	0.0	0.0	T	7.9	13.8	10.7	6.8	1.9	2.9	3.2	T	0.0	47.2
1982-83	0.0	0.0	0.0	1.7	5.0	1.3	11.0	1.1	T	1.0	0.0	0.0	21.1
1983-84	0.0	0.0	0.0	7.7	13.7	2.9	8.3	32.2	0.6	7.1	T	0.0	72.5
1984-85	0.0	0.0	0.0	0.0	0.9	5.5	3.6	13.1	29.8	9.9	0.4	0.0	63.2
1985-86	0.0	0.0	0.0	3.7	6.1	1.7	15.5	6.8	0.5	0.7	T	0.0	35.0
1986-87	0.0	0.0	0.0	0.0	13.8	8.2	11.0	6.3	T	0.8	0.0	0.0	40.1
1987-88	0.0	0.0	0.0	0.0	6.5	15.3	8.2	9.8	4.5	T	0.0	0.0	44.3
1988-89	0.0	0.0	0.0	0.2	11.4	14.5	9.0	T	T	T	T	0.0	35.1
1989-90	0.0	0.0	T	0.6	3.6	10.6	17.7	17.8	1.0	T	0.0	0.0	51.3
1990-91	0.0	0.0	0.0	1.2	2.4	5.2	5.3	13.7	17.9	0.7	T	0.0	46.4
1991-92	0.0	0.0	0.0	1.0	7.9	30.7	12.0	19.8	19.5	T	0.0	0.0	90.9
1992-93	0.0	0.0	T	0.3	9.6	14.7	9.3	6.0	5.1	0.0	0.0	0.0	45.0
1993-94	0.0	0.0	0.0	T	0.6	9.7	3.0	8.8	17.2	0.3	0.0	0.0	39.6
1994-95	0.0	0.0	0.0	1.8	10.7	20.1	13.0	3.2	17.0	T	0.0	0.0	65.8
1995-96	0.0	0.0	0.0	T	3.0	2.3	2.3	34.8	1.5	3.3	0.0	0.0	47.2
1996-97	0.0	0.0	T	7.3	.1	11.2	20.4	2.1	4.6	3.7	0.0	0.0	49.4
1997-98	0.0	0.0	0.0	11.2	9.7								
1998-99													
1999-00													
2000-01													
2001-02													
2002-03													
2003-04													
2004-05													
2005-													
POR= 63 YRS	0.0	0.0	T	2.0	7.3	11.9	9.6	11.4	9.2	2.8	0.3	0.0	54.5

WBAN : 25507

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.

2014 HOMER ALASKA (PAHO)

Homer Airport is located at the head of Coal Bay, on the north shore of Kachemak Bay just to the east of its confluence with Cook Inlet. The shoreline to either side of the station curves toward the north, such that water lies within a mile to the south, west and east. To the northwest through northeast the ground has a gradual rise to 500 feet at a distance of 1 1/2 miles and then rises abruptly to 1,000 feet at a distance of 2 miles from the station. The nearest 1,500-foot elevation in this direction is Lookout Mountain, 4 miles to the north and northeast. The nearest 2,000-foot elevation lies about 12 miles to the southeast across Kachemak Bay, in the foothills of the Kenai Mountains. The width of the bay in this direction is approximately 9 miles. Continuing southeastward beyond Kachemak Bay, at a distance of 15 to 20 miles, is the ridgeline of the northeast-southwest oriented Kenai Mountains with elevations of 4,000 to 6,000 feet.

The climate of Homer is marine but with precipitation amounts modified by the Kenai Mountains. The annual precipitation is reduced when air being lifted over mountains leaves most of its moisture on the windward side. For this reason the usual Gulf Coast amount of near 60 inches is reduced to less than half that amount. The relatively low annual snowfall is a reflection of the mild winter temperatures. Often precipitation will begin as snow but turn to rain shortly afterwards. The occurrence of the heaviest monthly amounts during the fall and winter months is the result of the increased frequency of storms into the Western Gulf of Alaska during those months.

Temperatures experienced at Homer are more nearly representative of marine climate than is precipitation. Winters are mild, seldom getting colder than zero, and summers are cool with the maximum temperature seldom going above 70 degrees. The growing season is about 100 days.

Surface winds at the station are seldom strong even in winter. However, a short distance to the southeast, over Kachemak Bay, and to the west over Cook Inlet, wind speeds requiring warnings to small craft are fairly common in winter and summer.

The occurrence of a thunderstorm is rare. Heavy fog is infrequent and of short duration, but patchy ground fog is common in spring and fall.

Station History

HOMER, AK

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
HOMER MUNICIPAL AP	1981-12-31	1982-10-01	59° 37'	-151° 30'	89		COOP
HOMER AP	1997-12-01	2001-12-04	59° 38'	-151° 28'	89		ASOS, COOP
HOMER AP	1939-02-01	1942-12-12	59° 37'	-151° 30'			AIRWAYS
HOMER AP	2010-08-16	2011-03-02	59° 38'	-151° 29'	64		ASOS, COOP
HOMER AP	2011-03-02	2011-11-30	59° 38'	-151° 29'	64		ASOS, COOP
HOMER AP	2011-11-30	Present	59° 38'	-151° 29'	64		ASOS, COOP
HOMER AP	2001-12-04	2010-08-16	59° 38'	-151° 29'	64	.2 MI NNW	ASOS, COOP
HOMER MUNICIPAL AP	1949-09-01	1971-01-01	59° 37'	-151° 30'	72		AIRWAYS, COOP
HOMER MUNICIPAL AP	1981-09-01	1981-12-31	59° 37'	-151° 30'	89	.25 MI SE	COOP, WXSVC
HOMER MUNICIPAL AP	1973-01-01	1981-09-01	59° 37'	-151° 30'	69		COOP, WXSVC
HOMER MUNICIPAL AP	1942-12-12	1949-09-01	59° 37'	-151° 30'			AIRWAYS
HOMER MUNICIPAL AP	1971-01-01	1973-01-01	59° 37'	-151° 30'	69		AIRWAYS, COOP
HOMER AP	1982-10-01	1997-12-01	59° 37'	-151° 30'	89		COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	1939-02-01	1986-11-01	DAILY	2400			
PRECIP	1939-02-01	1986-11-01	DAILY	2400			
TEMP	1986-11-01	1997-12-01	DAILY	2400	MXMN		
TEMP	1997-12-01	2001-12-04	DAILY	2400	MXMN		
PRECIP	2001-12-04	2006-09-23	DAILY	2400	TB	RCRD	
PRECIP	2006-09-23	2010-08-16	DAILY	2400	TB	RCRD	
PRECIP	2010-08-16	Present	DAILY	2400	PCPNX		
PRECIP	1997-12-01	2001-12-04	DAILY	2400	SRG		
TEMP	2001-12-04	2006-09-23	DAILY	2400	ATEMP		
TEMP	2006-09-23	2010-08-16	DAILY	2400	ATEMP		
WIND	2006-09-23	2010-08-16	HOURLY	UNKN	ANEMSONIC		
WIND	2001-12-04	2006-09-23	HOURLY	UNKN	ANEMCUP		
PRECIP	1986-11-01	1997-12-01	DAILY	2400	SRG		
WIND	1997-12-01	2001-12-04	HOURLY	UNKN	ANEMCUP		
PRECIP	2010-08-16	Present	HOURLY	2400	AWPAG	RCRD;HTD	
WIND	2010-08-16	Present	HOURLY	UNKN	ANEMSONIC		
TEMP	2010-08-16	Present	DAILY	2400	ATEMP		

* 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/asos2implementation.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

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