

Section Five

CLIMATE

American Samoa has a tropical maritime climate with abundant rain and warm, humid days and nights. Average temperature in 2005 was recorded at 82.6 degrees Fahrenheit. Average temperature throughout the past five years remained at 82.6 degrees. A total of 150 inches of rainfall was also recorded for 2005. The month of December recorded the most rain with about 25 inches. The lowest was recorded for the month of July with only 5 inches.

Usually, the dry months were June through September and the wet months were November through May. Less rainfall was recorded in 2005 during the months of April, July, September and October. Compared to 2004, only 95.8 inches of total rainfall was recorded with lowest recorded from April to September. Typically, heavy rain and showers, even long rainy period can occur frequently in any month.

Table 5.1. METEOROLOGICAL DATA FOR AMERICAN SAMOA BY MONTH: 2005

Month	Average temperatures, degrees (fahrenheit)		Monthly	Precipitation, inches (water equivalent)			Extreme temperatures, degrees, (fahrenheit)		Wind speed, mph	
	Mean Daily			Total	Greatest in 24 hours	Date of occurrence	Record		Average	Peak gust
	maxi- mum	mini- mum					Hi	Low		
Average	86.7	78.5	82.6	12.51	3.07		89	75	18	39
January	88.6	79.3	84.0	13.25	3.05	2nd	91	77	15	31
February	88.7	80.6	84.7	10.55	3.98	31st	90	77	17	49
March	89.0	80.1	84.6	12.94	2.86	7th/8th	91	76	14	43
April	88.0	79.1	83.6	14.50	1.67	8th/9th	90	76	19	41
May	85.7	78.4	82.1	10.78	5.62	24th/26th	88	74	18	33
June	84.3	77.3	80.8	13.32	2.23	15th/16th	87	74	18	39
July	84.0	76.8	80.4	5.43	1.86	30th/31st	87	73	19	43
August	84.5	77.1	80.8	13.56	4.68	16th/17th	87	74	25	33
September	85.6	78.2	81.9	14.43	3.80	22nd/23rd	89	75	23	44
October	87.0	78.2	82.6	6.75	1.19	17th/18th	90	75	17	37
November	88.0	79.1	83.6	9.69	1.51	6th	91	76	18	36
December	86.9	78.3	82.5	24.89	4.33	14th/15th	90	75	15	41

Continued below.

Table 5.1. METEOROLOGICAL DATA FOR AMERICAN SAMOA: 2005 (continued)

Month	Maxi- mum 2-minute Speed	% of possible sun shine	Average sky cover sunrise to sunset	Number of days Sunrise to sunset			Number of Precipi- tation 0.01	Number of days for Thunder- storm
				Clear	Partly cloudy	Cloudy		
Average	29	48	6.1	0.25	22	9	22	3
January	23	51	6.6	-	21	10	26	4
February	35	55	6.7	1	12	15	20	0
March	23	43	5.6	-	26	5	20	5
April	29	36	6.8	-	17	13	29	6
May	29	47	6.0	-	26	5	20	4
June	29	32	6.7	-	18	12	21	0
July	32	49	5.6	-	26	5	15	1
August	25	42	6.0	-	23	8	21	1
September	32	53	5.8	1	22	8	24	3
October	28	74	5.2	1	27	3	20	3
November	28	46	6.1	-	23	7	23	5
December	29	44	6.6	-	20	11	27	6

SOURCE: U.S. Department of Commerce, National Oceanic and Atmospheric, National Climatic Data Center, Local Climatological Data, Pago Pago

Table 5.2. CLIMATIC NORMALS, MEANS, AND EXTREMES FOR AMERICAN SAMOA: 2005

Month	Extreme temperatures degrees, (fahrenheit)		Percent of possible sunshine	Mean sky cover, sunrise to sunset (tenths)	Mean number of days, sunrise to sunset				
	Record				Clear	Partly cloudy	Cloudy	Peci- pitation .01 or more	Number of days Thunder- storm
	highest	lowest							
Average	89	75	48	6.1	0.25	22	9	22	3
January	91	77	51	6.6	-	21	10	26	4
February	90	77	55	6.7	1	12	15	20	0
March	91	76	43	5.6	-	26	5	20	5
April	90	76	36	6.8	-	17	13	29	6
May	88	74	47	6.0	-	26	5	20	4
June	87	74	32	6.7	-	18	12	21	-
July	87	73	49	5.6	-	26	5	15	1
August	87	74	42	6.0	-	23	8	21	1
September	89	75	53	5.8	1	22	8	24	3
October	90	75	74	5.2	1	27	3	20	3
November	91	76	46	6.1	-	23	7	23	5
December	90	75	44	6.6	-	20	11	27	6

SOURCE: U.S. Department of Commerce, National Oceanic and Atmospheric, National Climatic Data Center, Local Climatological Data, Pago Pago, American Samoa

Table 5.3. AVERAGE TEMPERATURES FOR AMERICAN SAMOA:
2001 TO 2005 (Degrees, fahrenheit)

Month	2005	2004	2003	2002	2001
Annual Average	82.6	81.9	82.4	83.6	82.9
January	84.0	81.8	85.4	84.3	84.2
February	84.7	81.3	83.8	85.4	83.4
March	84.6	81.5	84.6	84.3	83.4
April	83.6	81.3	82.9	84.1	83.3
May	82.1	80.8	82.8	84.1	83.2
June	80.8	-	80.7	82.7	82.8
July	80.4	80.7	80.6	82.8	81.5
August	80.8	81.4	79.3	81.2	82.3
September	81.9	82.0	81.8	82.8	82.1
October	82.6	82.5	82.5	82.3	82.4
November	83.6	83.1	81.7	84.0	83.4
December	82.5	84.7	82.5	84.6	83.2

NOTE: 2004 data revised.

SOURCE: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, Local Climatological Data, Pago Pago, American Samoa

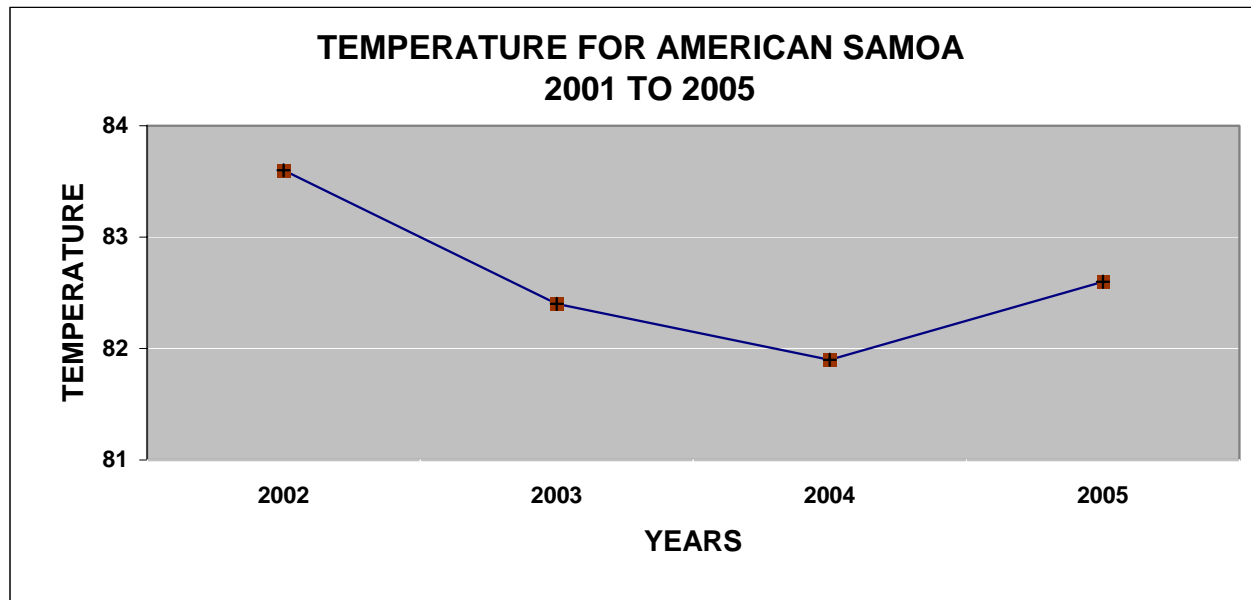


Table 5.4. RAINFALL (INCHES): 2001 TO 2005

Rainfall	2005	2004	2003	2002	2001
Total	150.09	95.76	131.71	112.80	96.87
January	13.25	12.31	7.41	7.42	6.39
February	10.55	13.65	9.11	4.85	13.67
March	12.94	13.60	10.41	12.56	15.21
April	14.50	7.40	9.33	17.84	6.62
May	10.78	5.11	19.59	11.20	4.79
June	13.32	3.76	7.69	5.92	4.61
July	5.43	7.11	12.43	10.42	4.69
August	13.56	2.67	6.78	5.90	3.03
September	14.43	4.95	4.32	1.62	4.72
October	6.75	11.52	6.48	11.87	8.80
November	9.69	4.00	21.39	15.26	8.54
December	24.89	9.68	16.77	7.94	15.80

SOURCE: U.S. Department of Commerce, National Oceanic and Atmospheric, National Climatic Data Center; Local Climatological Data, Pago Pago, American Samoa

Table 5.5. COOLING DEGREE DAYS FOR AMERICAN SAMOA:
2001 TO 2005 (Base 65 degrees, fahrenheit).

Month	2005	2004	2003	2002	2001
Total	6,511	5,769	6,414	6,846	6,622
January	596	528	637	604	598
February	557	481	531	581	521
March	611	519	614	607	578
April	566	495	545	581	552
May	535	496	560	595	572
June	483	-	478	540	543
July	485	497	485	557	519
August	498	518	447	508	542
September	513	517	508	537	519
October	556	549	550	543	545
November	562	551	509	579	560
December	549	618	550	614	573

SOURCE: U.S. Department of Commerce, National Oceanic Atmospheric Administration, National Climatic Data Center; Local Climatological Data, Pago Pago, American Samoa

