

## Climate Overview for the Grand Canyon Region

With an elevation spanning from around 2000 feet to over 8000 feet, the Grand Canyon area experiences a variety of weather conditions. This weather variety includes cold winters and mild pleasant summers, moderate humidity, and considerable diurnal temperature changes at the higher elevations, with hot and drier summers at the bottom of the Grand Canyon along with cool damp winters. Summer thunderstorms and winter snowfall adds to the weather variety in this region.

### Summer

Summer temperatures on the South Rim are relatively pleasant with high temperatures generally in the 80s (27-32°C). Summer thunderstorms frequently occur with the potential for torrential rains, frequent lightning, and sudden flash floods.

### Fall

The summer heat gives way to a cooler but nonetheless pleasant fall period. The summer rains typically diminish in mid September with a drier fall period. However, late summer thunderstorms or early winter snow storms have been known to take place during this transition season.

### Winter

Winter conditions on the South Rim can be extreme. Be prepared for snow, icy roads and trails, and possible road closures. Fog occasionally forms, however, it usually breaks up quickly by morning.

### Spring

By mid-April, the winter cold gives way to a warming and pleasant spring period. Spring is typically breezy to windy. Late season frosts and freezes are still a possibility.

### Average Temperatures at the South Rim

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
High (F)	41	45	51	60	70	81	84	82	76	65	52	43
Low (F)	18	21	25	32	39	47	54	53	47	36	27	20
High (C)	5	7	10	15	21	27	29	28	24	18	11	6
Low (C)	-8	-6	-4	0	4	8	12	12	8	2	-3	7

### Average Temperatures in the Inner Canyon

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
High (F)	56	62	71	82	92	101	106	103	97	84	68	57
Low (F)	36	42	48	56	63	72	78	75	69	68	46	37
High (C)	13	17	22	28	33	38	41	39	36	29	20	14
Low (C)	2	6	9	13	17	22	26	24	21	14	8	2

### Average Temperatures at the North Rim

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
High (F)	37	39	44	53	62	73	77	75	69	59	46	40
Low (F)	16	18	21	29	34	40	46	43	39	31	24	20
High (C)	3	4	7	12	17	23	25	24	21	15	8	4
Low (C)	-9	-8	-6	-2	1	4	8	7	4	-1	-4	-3

<b>AVG PRECIP</b>	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
South Rim	1.32	1.55	1.38	.93	.66	.42	1.81	2.25	1.56	1.10	.94	1.64
Inner Canyon	.68	.75	.79	.47	.36	.30	.84	1.40	.97	.65	.43	.87
North Rim	3.17	3.22	2.65	1.73	1.17	.86	1.93	2.85	1.99	1.38	1.48	2.83