



White Sands Missile Range Southern Basin

Seven-Day Forecast

Weather Forecast Office, Building 1830

Phone: (575) 678-2462/678-2488

Last Updated 0845L 19 April 2024 by S. Wiechman










WSMR WEATHER WARNING INFO

No Current Weather Warnings

[Click for Warning Details](#)

Temperatures in degrees Fahrenheit. Winds in miles per hour.

| | | | | | | | | |
|--|---|------|----------------|----------------|------------|----------------|-----------------|-----------------|
|  | Friday, 19 April 2024 | | | | | | | |
| | AM: PARTLY TO MOSTLY CLOUDY PM: MOSTLY CLEAR | HIGH | WIND DIRECTION | WIND SPEED | PEAK WIND | PRECIP CHANCES | T'STORM CHANCES | |
| | | 87 | SE-SW | 6-13 | 21 | 0% | 0% | |
| Very warm with afternoon breezes. | | | | | | | | |
|  | Saturday, 20 April 2024 | | | | | | | |
| | MOSTLY CLEAR | LOW | HIGH | WIND DIRECTION | WIND SPEED | PEAK WIND | PRECIP CHANCES | T'STORM CHANCES |
| | | 53 | 84 | SE-SW | 5-15 | 24 | 0% | 0% |
| Slightly cooler and breezy. | | | | | | | | |
|  | Sunday, 21 April 2024 | | | | | | | |
| | PARTLY CLOUDY | LOW | HIGH | WIND DIRECTION | WIND SPEED | PEAK WIND | PRECIP CHANCES | T'STORM CHANCES |
| | | 46 | 78 | SE-S | 8-13 | 20 | 0% | 0% |
| Cooler and breezy. | | | | | | | | |
|  | Monday, 22 April 2024 | | | | | | | |
| | MOSTLY CLEAR TO PARTLY CLOUDY | LOW | HIGH | WIND DIRECTION | WIND SPEED | PEAK WIND | PRECIP CHANCES | T'STORM CHANCES |
| | | 50 | 85 | SE-SW | 5-11 | 20 | 0% | 0% |
| Warmer with light breezes. | | | | | | | | |
|  | Tuesday, 23 April 2024 | | | | | | | |
| | CLEAR | LOW | HIGH | WIND DIRECTION | WIND SPEED | PEAK WIND | PRECIP CHANCES | T'STORM CHANCES |
| | | 54 | 89 | SW | 6-14 | 25 | 0% | 0% |
| Very warm with breezy afternoon winds. | | | | | | | | |
|  | Wednesday, 24 April 2024 | | | | | | | |
| | PARTLY CLOUDY | LOW | HIGH | WIND DIRECTION | WIND SPEED | PEAK WIND | PRECIP CHANCES | T'STORM CHANCES |
| | | 55 | 86 | SW | 7-15 | 27 | 0% | 0% |
| Slightly cooler with breezy/occasionally gusty afternoon winds. | | | | | | | | |
|  | Thursday, 25 April 2024 | | | | | | | |
| | MOSTLY CLEAR | LOW | HIGH | WIND DIRECTION | WIND SPEED | PEAK WIND | PRECIP CHANCES | T'STORM CHANCES |
| | | 54 | 84 | SW-W | 8-18 | 35 | 0% | 0% |
| Slightly cooler. Becoming windy late morning through the afternoon with gusts > 35 mph possible for Main Post and east facing slopes. Patchy blowing dust and sand possible. | | | | | | | | |

Forecaster: S. Wiechman



White Sands Missile Range Weather Threat Assessment



Probability Scale (from low to high): No, Low, Moderate, High, Yes

Caution

Dangerous

Life Threatening

Friday, 19 April 2024

| <u>Criteria/Threat</u> | <u>Main Post/East Slopes</u> | <u>Southern Range</u> | <u>Northern Range</u> | <u>Higher Elevations¹</u> | <u>West Slopes</u> |
|------------------------|------------------------------|-----------------------|-----------------------|--------------------------------------|--------------------|
| | | | | | |
| | NO WEATHER THREATS EXPECTED | | | | |
| | | | | | |

Saturday, 20 April 2024

| <u>Criteria/Threat</u> | <u>Main Post/East Slopes</u> | <u>Southern Range</u> | <u>Northern Range</u> | <u>Higher Elevations¹</u> | <u>West Slopes</u> |
|------------------------|------------------------------|-----------------------|-----------------------|--------------------------------------|--------------------|
| | | | | | |
| | NO WEATHER THREATS EXPECTED | | | | |
| | | | | | |

Sunday, 21 April 2024

| <u>Criteria/Threat</u> | <u>Main Post/East Slopes</u> | <u>Southern Range</u> | <u>Northern Range</u> | <u>Higher Elevations¹</u> | <u>West Slopes</u> |
|------------------------|------------------------------|-----------------------|-----------------------|--------------------------------------|--------------------|
| | | | | | |
| | NO WEATHER THREATS EXPECTED | | | | |
| | | | | | |

Monday, 22 April 2024

| <u>Criteria/Threat</u> | <u>Main Post/East Slopes</u> | <u>Southern Range</u> | <u>Northern Range</u> | <u>Higher Elevations¹</u> | <u>West Slopes</u> |
|------------------------|------------------------------|-----------------------|-----------------------|--------------------------------------|--------------------|
| | | | | | |
| | NO WEATHER THREATS EXPECTED | | | | |
| | | | | | |

Tuesday, 23 April 2024

| <u>Criteria/Threat</u> | <u>Main Post/East Slopes</u> | <u>Southern Range</u> | <u>Northern Range</u> | <u>Higher Elevations¹</u> | <u>West Slopes</u> |
|------------------------|------------------------------|-----------------------|-----------------------|--------------------------------------|--------------------|
| | | | | | |
| | NO WEATHER THREATS EXPECTED | | | | |
| | | | | | |

Wednesday, 24 April 2024

| <u>Criteria/Threat</u> | <u>Main Post/East Slopes</u> | <u>Southern Range</u> | <u>Northern Range</u> | <u>Higher Elevations¹</u> | <u>West Slopes</u> |
|------------------------|------------------------------|-----------------------|-----------------------|--------------------------------------|--------------------|
| | | | | | |
| | NO WEATHER THREATS EXPECTED | | | | |
| | | | | | |

Thursday, 25 April 2024

| <u>Criteria/Threat</u> | <u>Main Post/East Slopes</u> | <u>Southern Range</u> | <u>Northern Range</u> | <u>Higher Elevations¹</u> | <u>West Slopes</u> |
|------------------------------|------------------------------|-----------------------|-----------------------|--------------------------------------|--------------------|
| Wind Gusts > 55 mph | LOW | NO | NO | HIGH | LOW |
| Wind Gusts > 35 mph | YES | HIGH | HIGH | YES | HIGH |
| Visibility < 3 Mi (BLDU/BSA) | LOW | LOW | LOW | LOW | LOW |
| | | | | | |

¹ Higher elevation locations include San Augustin Pass, Salinas Peak, and North Oscura Peak

[List of abbreviations and acronyms](#)



Southern Basin Climate Almanac



| <u>C-Station</u> | | | <u>Main Post</u> | | |
|------------------------|------------|-------------|------------------|--------------|-------------|
| <u>Thursday</u> | <u>Low</u> | <u>High</u> | <u>Thursday</u> | <u>Low</u> | <u>High</u> |
| Temperature: | 51 | 90 | Temperature: | 57 | 88 |
| Average: | 48 | 80 | Average: | 52 | 78 |
| Record: | 26 | 94 | Record: | 32 | 94 |
| Year of Record: | 2008 | 1989 | Year of Record: | 1998 | 1989 |
| <u>Today</u> | <u>Low</u> | <u>High</u> | <u>Today</u> | <u>Low</u> | <u>High</u> |
| Average: | 48 | 81 | Average: | 52 | 78 |
| Record: | 27 | 92 | Record: | 33 | 93 |
| Year of Record: | 1975 | 1994* | Year of Record: | 2013 | 1994 |
| <u>Precip (inches)</u> | | | | | |
| Thursday: | 0.00 | | | | |
| April: | 0.01 | | Sunset: | 1938 MDT Fri | |
| 2024: | 0.54 | | Sunrise: | 0630 MDT Sat | |

Valid: 19 April

| Notable Weather Events for April | | |
|----------------------------------|-----------|--------------|
| Date | Location | Event |
| 1 April | Main Post | 0.17" precip |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Temperature Unit °F

*And Previous Years

R=New Record

T=Tied Record

Main Post Period of Record: 1947-1979; 1988-2022

C-Station Period of Record: 1968-2022



White Sands Weather Forecast Office

Detailed Weather Discussion

Last Updated 0945L 19 April 2024 by S. Wiechman



We have some noticeable differences in our conditions this morning compared to yesterday. Aloft there are a considerable amount of high clouds, and at the surface, some moisture has crept in from the east along with some dust and haze. Both the clouds and the moisture/haze are expected to clear out by this afternoon. It will be another very warm day today, perhaps not quite as warm as yesterday. We did briefly reach 90°F at C-Station (our official climate site) yesterday, our first of the year. This morning's clouds will likely dampen our heating potential a bit for today.

The dryline will push back into the range, and perhaps beyond, each of the next three nights and mornings along with cooler air. Still keeping thunderstorm chances at zero for the southern basin as instability really only shows up on Monday, and even then, it is elevated instability and it will take some doing to get something out of it. The best chances for a storm remain over the Sacramento Mtns. Saturday has an exception in northern WSMR where an isolated storm may occur in the afternoon.

At the same time over the weekend, a weak disturbance will move through Arizona and New Mexico with no impacts. It will be quickly replaced by a high pressure ridge that will allow for temperatures to rebound to the upper 80s by Tuesday. After that, another trough will develop off to our west on Wednesday and look to move across the state on Thursday. Winds will be breezy on Wednesday and will likely get into the windy category Thursday as model guidance indicates the potential for gusts up near 35 mph for the lowlands. Beyond that, guidance shows a second larger trough approaching which suggests that we could be in for another windy weekend.