

## **Rosa (2018)**

**Dates:** 25 September - 2 October 2018

**Peak Intensity:** Cat 4 Hurricane

What was Major Hurricane Rosa crossed the northern Baja peninsula as a tropical depression on October 1st. The remnant circulation entered southwest Arizona on October 2nd. Moisture ahead of these remnants fueled thunderstorms in southeast Arizona on September 30th. Rain associated with the remnant circulation moved northeast across southeast Arizona through October 2nd. The primary period of heavy rain occurred from 8 pm MST October 1st through 8 am MST October 2nd. Rainfall totals averaged two to four inches on the west half of the Tohono O'odham Nation with isolated heavier amounts of five to eight inches. The heavy rain initially resulted in flash flooding, but evolved into a longer term period of flooding which led to evacuations of several villages, road closures, considerable infrastructure damage, and a subsequent disaster declaration.

The deep moisture led to widespread moderate to heavy showers which impacted the entire greater Phoenix metropolitan area during the entire day. Many locations picked up from 1 to 3 inches of rain mainly during the morning hours, and the intense rain resulted in numerous episodes of flash flooding which affected communities such as Guadalupe, Glendale, Scottsdale, Fountain Hills, Deer Valley, Sun City and downtown Phoenix. Much of the flash flooding involved road closures, but there were reports of swift water rescues as well.

### Storm Track:



### References:

- [https://www.nhc.noaa.gov/data/tcr/EP202018\\_Rosa.pdf](https://www.nhc.noaa.gov/data/tcr/EP202018_Rosa.pdf)
- <http://bit.ly/2MFeFSe>