Extreme Rainfall
San Francisco Peaks
and Schultz Fire Scar

- Over 11” of rain in the week of the flood.
- Three large events: July 14, July 16, July 18
- July 18 – greatest storm over Schultz scar (by far)
- Twice the hourly rainfall rate of July 20, 2010
- Three times the total rainfall of July 20, 2010
July 20, 2010 Flood Event
All data preliminary. Rain amounts include both official and unofficial measurements.
Schultz Area Rainfall  July 16th 2018

Analysis based on measured rainfall (inches)
Background Image - Radar Estimated Rainfall

All data preliminary. Rain amounts include both official and unofficial measurements.

NATIONAL WEATHER SERVICE
Flagstaff, Arizona
Schultz Area Rainfall  July 18th 2018

Analysis based on measured rainfall (inches)

Background Image - Radar Estimated Rainfall

All data preliminary. Rain amounts include both official and unofficial measurements.
Radar Loop of July 18 Event
Schultz Area Rainfall    July 18th 2018

All data preliminary. Rain amounts include both official and unofficial measurements.
July 18, 2018

Maximum Hourly Rainfall

Maximum Hourly Rainfall Totals in Inches
Station 3452: Lenox-Wupatki Trails

Maximum Hourly Rainfall Totals in Inches
Station 3451: Thames-Peacefulway

Maximum Hourly Rainfall Totals in Inches
Station 3462: Upper Campbell-Copeland

Maximum Hourly Rainfall Totals in Inches
Station 3471: Government Tank

Courtesy Cory Helton (JEFuller)
July 18, 2018

- Extremely rare, torrential rain event
- Measured storm total rainfall up to 5.9"
- Up to 3.8” in one hour.
  - Twice the max hourly rate of previous measured events
  - Return interval 500+ years
- Three gauges measured >4.5” in two hours.
  - Return interval >1000 years (at three sites).
- July 18 – greatest storm over Schultz scar (by far)