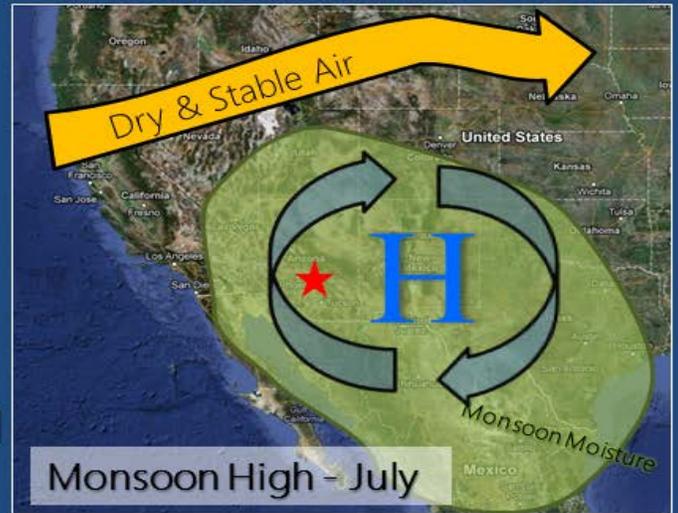




Monsoon Introduction



- North American Monsoon impacts AZ, NM, UT, CO, TX, CA, NV, and Mexico.
- Begins Jun. 15 and ends Sep. 30.
- As Monsoon High migrates north, moisture moves in from the Gulf of California and Gulf of Mexico.
- For some areas, over 50% of annual rain falls during the Monsoon.
- Monsoon storms can cause damaging winds, torrential rainfall, frequent lightning and dust storms.



[National Weather Service Phoenix Arizona](#) |
 [@NWSPhoenix](#) |
 [YouTube NWSPhoenix](#) |
 [Weather.gov/Phoenix](#)

Monsoon Awareness Week June 8 – 13, 2014

*National Weather Service Forecast Office
Phoenix, Arizona*



National Weather Service
Building a Weather-Ready Nation

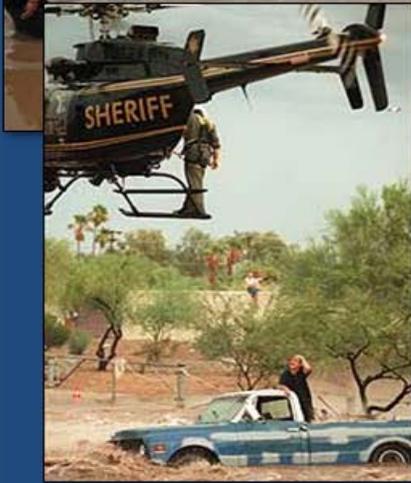


Flash Flood Safety

Monsoon Awareness Week: June 8-13



Nancy Rollins—
Hidden Valley, AZ



- Flash floods are the #1 thunderstorm-related killer
- Burn scars from wildfires are a major flood concern.
- Most flash flood deaths occur in vehicles. Moving water 2-3 feet deep will carry away most vehicles
- Keep children away from creeks and washes when heavy rain is in the area
- Be especially careful at night when water depth and road conditions are harder to see



Lightning Safety

Monsoon Awareness Week: June 8-13



Tori Shea—Aug 4, 2011



- Lightning is the #2 thunderstorm-related killer
- Lightning can strike several miles away from a storm
- If you hear thunder, move inside a strong building or hardtop vehicle
- If someone is struck, call for help immediately
- Lightning strikes can start fires. If conditions are favorable, fires can grow quickly. Report fire starts to authorities and observe restrictions.



Downburst Winds

Monsoon Awareness Week: June 8-13



Adam Jay—July 2012



- Thunderstorms frequently produce strong gusty winds
- Downburst winds, sometimes as strong as 100 mph, can cause serious property damage
- If thunderstorms approach, move inside a strong building and stay away from windows
- Stay away from downed power lines and alert the authorities



Blowing Dust

Monsoon Awareness Week: June 8-13



Kelly Presnell – AZ Daily Star



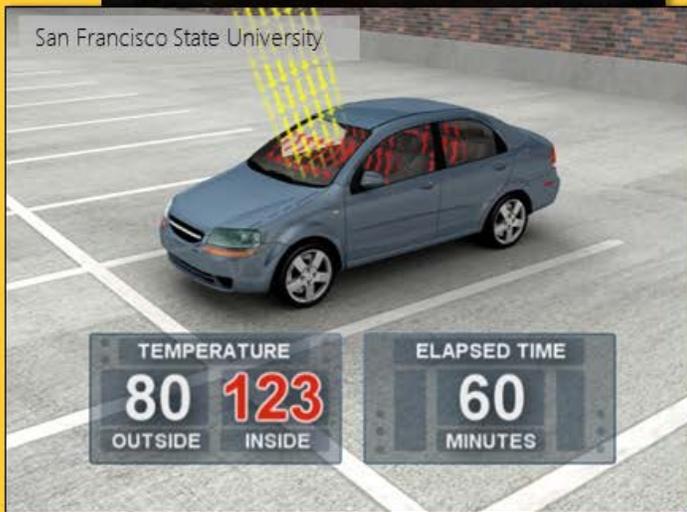
Rick Delaney—July 21, 2012

- Thunderstorms frequently produce strong gusty winds which can generate areas of dense blowing dust
- **If driving and a dust storm approaches, pull over, put car in park, turn off lights, take your foot off of the brake**
- Dense dust storms can transport Valley Fever spores which is dangerous to respiratory health



Excessive Heat Safety

Monsoon Awareness Week: June 8-13



- Nationwide, the #1 weather-related killer
- Prolonged heat stresses the body
- Stay inside in a cool ventilated place whenever possible
- Restrict outdoor activities to early morning or evening
- If you must be outside, wear loose-fitting, light clothing, drink plenty of water and take frequent breaks
- Excessive heat can lead to extreme wildfire behavior
- Frequently check on the young, elderly, and those with health conditions