



Land use and wind erosion

Forests & wetlands



Low erodibility based on soil texture

High erodibility based on soil texture

Shrubland and grassland areas



Low erodibility based on soil texture

High erodibility based on soil texture

Human-induced areas



Low erodibility based on soil texture

High erodibility based on soil texture

IMPROVE site



Precipitation occurred at the site



IMPROVE site with a valid sample



IMPROVE site without a valid sample

Trajectories

Trajectory endpoint at 8:00 a.m. (CST)

- 0.00 < speed < 14.00 mph
- 14.00 < speed < 20.00 mph
- speed > 20.00 mph

Trajectory endpoint at 2:00 p.m. (CST)

- 0.00 < speed < 14.00 mph
- 14.00 < speed < 20.00 mph
- speed > 20.00 mph

Trajectory endpoint at 8:00 p.m. (CST)

- ▲ 0.00 < speed < 14.00 mph
- ▲ 14.00 < speed < 20.00 mph
- ▲ speed > 20.00 mph

Asian Dust Score (only shown for worst dust days)

- ADS < 750
- 750 < ADS < 1500
- ADS > 1500

Representation of multiple linear regression of wind conditions vs. total measured dust available for this site day

Local windblown dust (only shown for worst dust days)

- No Met data
- LWD/TMD = 0.00
- LWD/TMD < 0.25
- 0.25 < LWD/TMD < 0.50
- 0.50 < LWD/TMD < 1.00
- LWD/TMD > 1.00