NASA GLOBE Clouds: Your Observations Impacting the Research Community

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How to Make a Cloud Observation

1. Check satellite overpass times to time your observation
2. Find a location in an open area
3. Get your time and location information
4. Look right above you to get cloud information
   - Total Cloud Cover
   - Cloud types per height (includes cloud cover for that height and opacity)
   - Report Surface Conditions
5. Send data to GLOBE to receive a satellite match
   - Desktop Data Entry
   - Email Data Entry
   - GLOBE Observer app
   - GLOBE Data Entry App

The average total cloud cover worldwide for 2018 was 39.46%.

NASA GLOBE Clouds Data Challenges

RESULTS: Worldwide Spring Average Total Cloud Cover was ~40%

Call for Observations: Dust Storms

How to Report Dust Storms

Select clouds and choose obscurations.

Flight observations courtesy of Lexington School for the Deaf (presented at 2019 GLOBE Northeast SRS)

Credit: J. Brant Dodson (NASA LaRC), Dodson et al., 2019, in review

Upcoming total solar eclipses occurring in South America on December 14, 2020 and in North America on April 8, 2024!