

# S'COOL WEBSEARCH

## Answer Key

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C  
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T

Clouds and the Earth's Radiant Energy System

Satellites TRMM , Terra and Aqua

Any primary or secondary school teacher and his or her class (we suggest students be at least 9-10 years old, but younger students are welcome if the teacher feels it appropriate).

Students provide ground truth measurements to assist in the validation of the CERES instrument by observing clouds as the satellite passes over.

You make your cloud observations within a few minutes of the passage of a CERES instrument over your part of the world, using the overpass calculator to get your overpass times. (16h3) 11:03 am.

Temperature , Relative Humidity and Barometric Pressure .

Terra , orbits in a near polar orbit seeing every part of the world during daylight at least once every day. It passes over generally around 10:30 a.m. local time.

Dr. Pat Minnis , A contrail is a man made cloud that forms behind a plane at very high altitudes where the air is extremely cold.

What is the effect of clouds on the changing climate ?

Data is stored in the NASA Langley - Atmospheric Sciences Data Center.

Cooling , CERES will continue to measure the net effect of clouds even more accurately, comparisons will be made seeking a trend.

Dr. Lin Chambers, the Director of the S'COOL Project

Closest school , your state , your country Continue to EXPLORE!