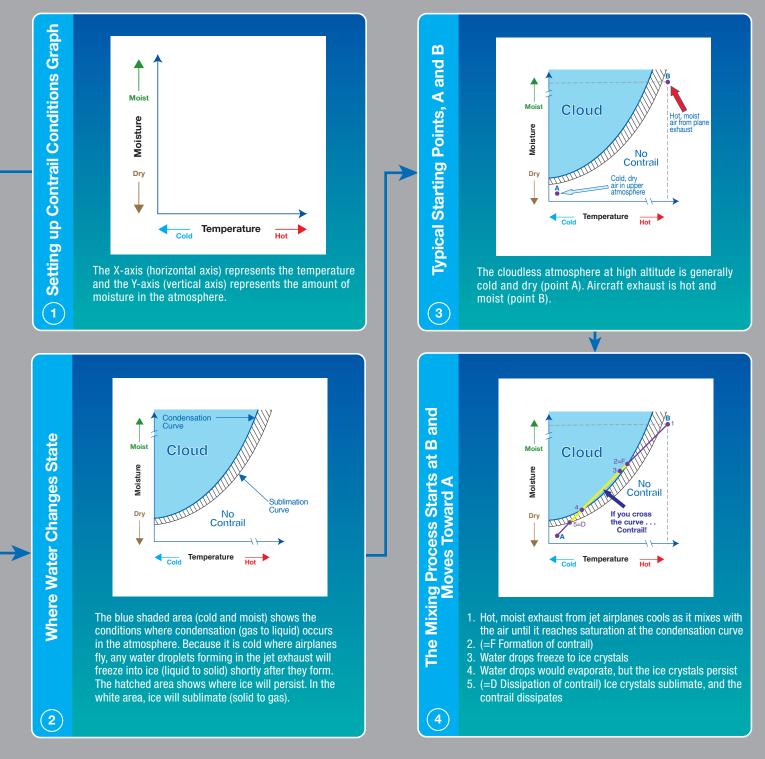
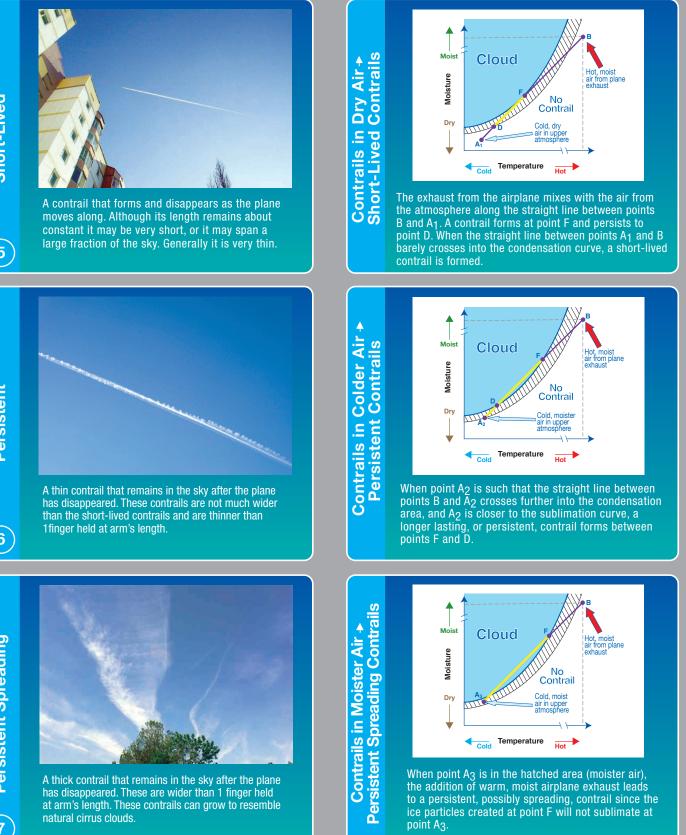
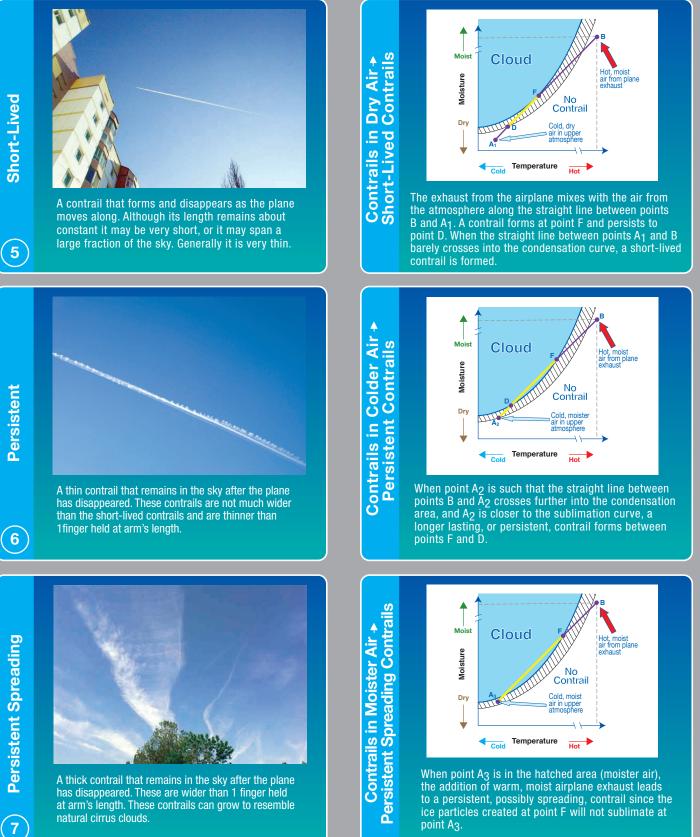
## **Contrail Identification Chart and Formation Guide**

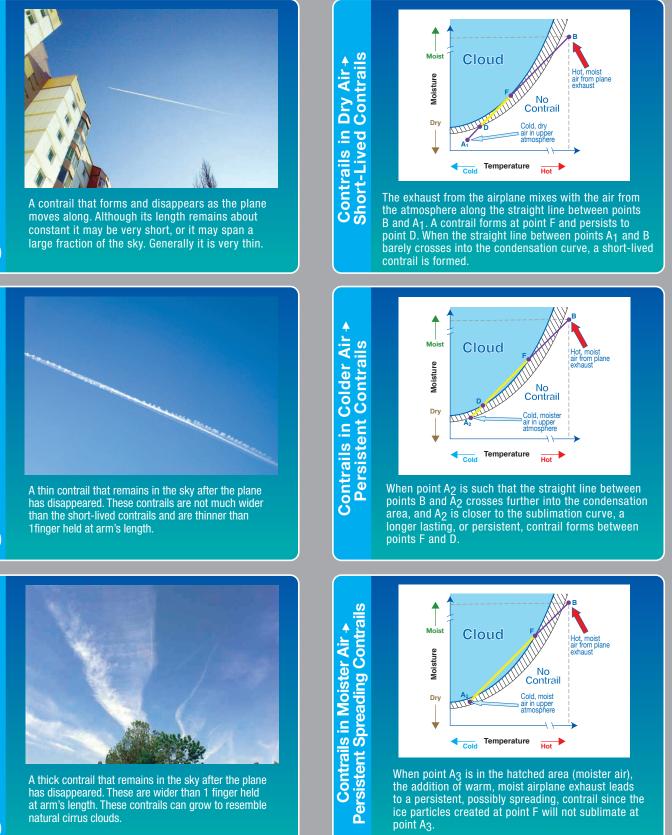
Did you ever wonder about those lines in the sky? Contrails are clouds formed when water vapor condenses and freezes around small particles (aerosols) that exist in aircraft exhaust. This chart explains how and why they occur. Follow panels 1-7 below to learn how to read the sky.

Clouds are the largest variable controlling Earth's atmospheric temperature and climate. Any change in global cloud cover may contribute to long-term changes in Earth's climate. Contrails, especially persistent contrails, represent a human-caused increase in the Earth's cloudiness, and are likely to be affecting climate and ultimately our natural resources. Scientists today are trying to learn more about the longevity of persistent contrails and how much they may affect the climate in the future.









Contrail Prediction Website: http://science-edu.larc.nasa.gov/contrail-edu/resources/activities/

Contrail Education Website: http://science-edu.larc.nasa.gov/contrail-edu/

