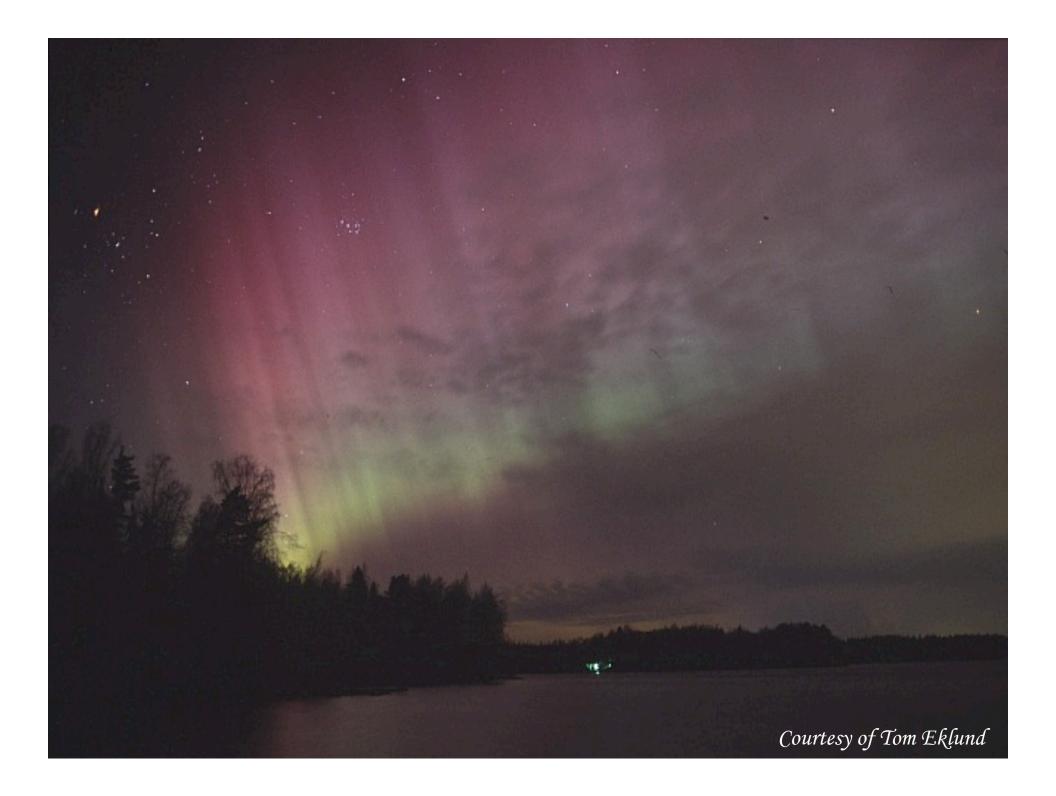
## The Aurora: What does it look like?

An introduction for elementary school-aged children





Near the poles of Earth, observers have often seen glowing clouds shaped like curtains, tapestries, snakes, or even spectacular radiating beams.



Northern Hemisphere observers call them the Northern Lights or Aurora Borealis. Southern Hemisphere observers call them the Southern Lights or Aurora Australis.



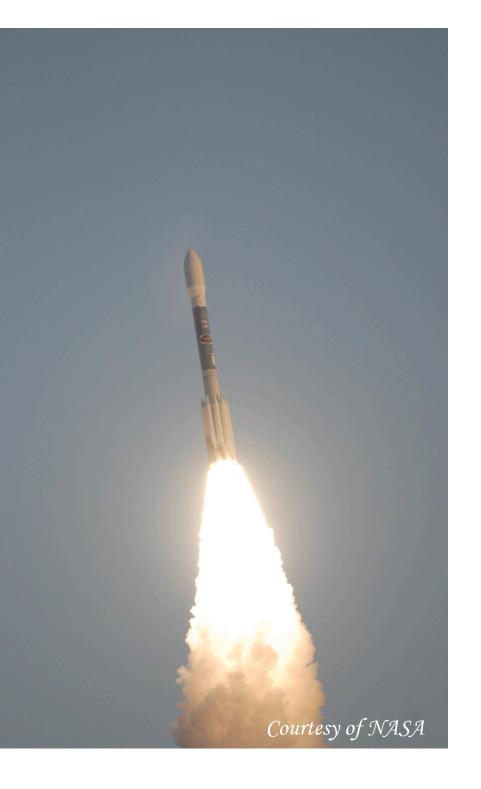
Because most people, and land masses, are found north of the equator, we have a longer record of observing them in northern regions such as Alaska, Canada, Scandinavia, but sometimes as far south as the Mediterranean Sea or Mexico!





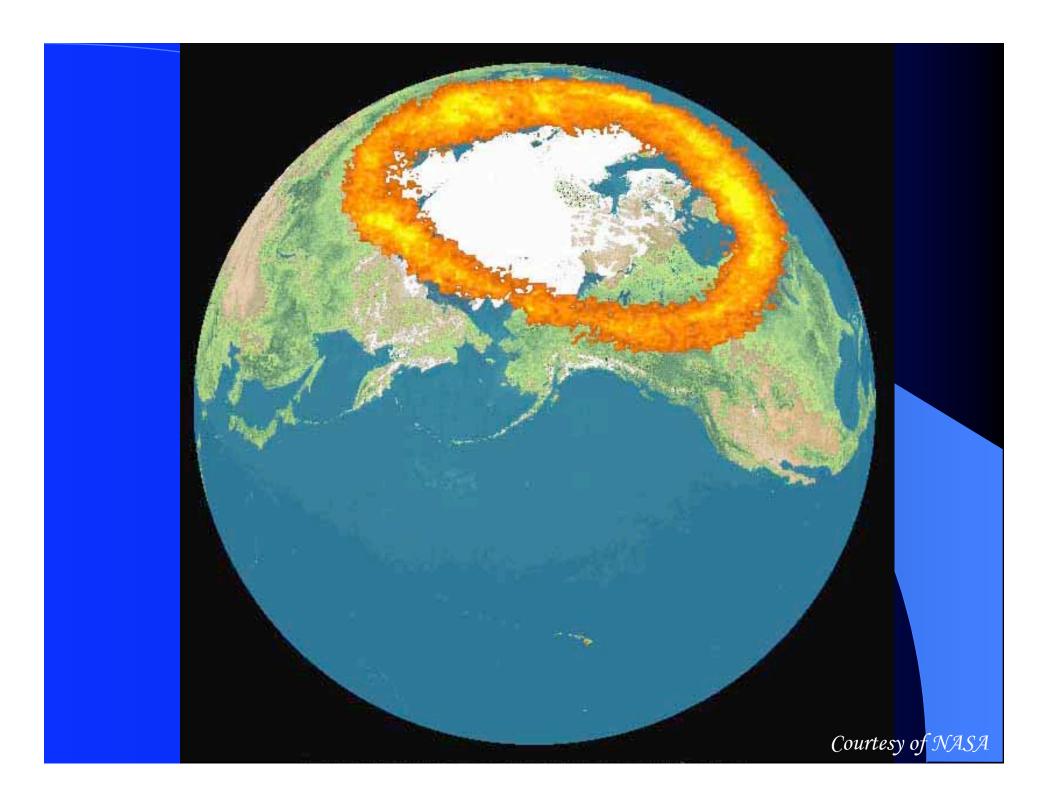
Auroral activity can be observed from the ground or from space. For example, in 2007, NASA launched five THEMIS satellites aboard a single Delta II rocket from Cape Canaveral Air Force Station in Florida. The THEMIS satellites orbit Earth to monitor auroras, helping us better understand what they are and how they behave.







What do you think these ovals of light look like from the ground if you were looking up at the sky? From space we can look down at an aurora and see that it actually looks like a crown of light! Scientists call this the Auroral Oval.





If you were standing on the ground looking up at the night sky, you would only see a very small part of this halo.

