

Aurora Colors

Green Aurora

Lowest auroras - 100 kilometers high

Involve atmospheric oxygen atoms excited by fast moving plasma from space



Red Aurora

Altitude - 200 kilometers high
Emitted by resettling atmospheric oxygen



Blue Aurora

Highest auroras - 500 kilometers high

Caused by sunlight-scattering nitrogen ions

C



All Colors Together



All Together



Aurora over Alps



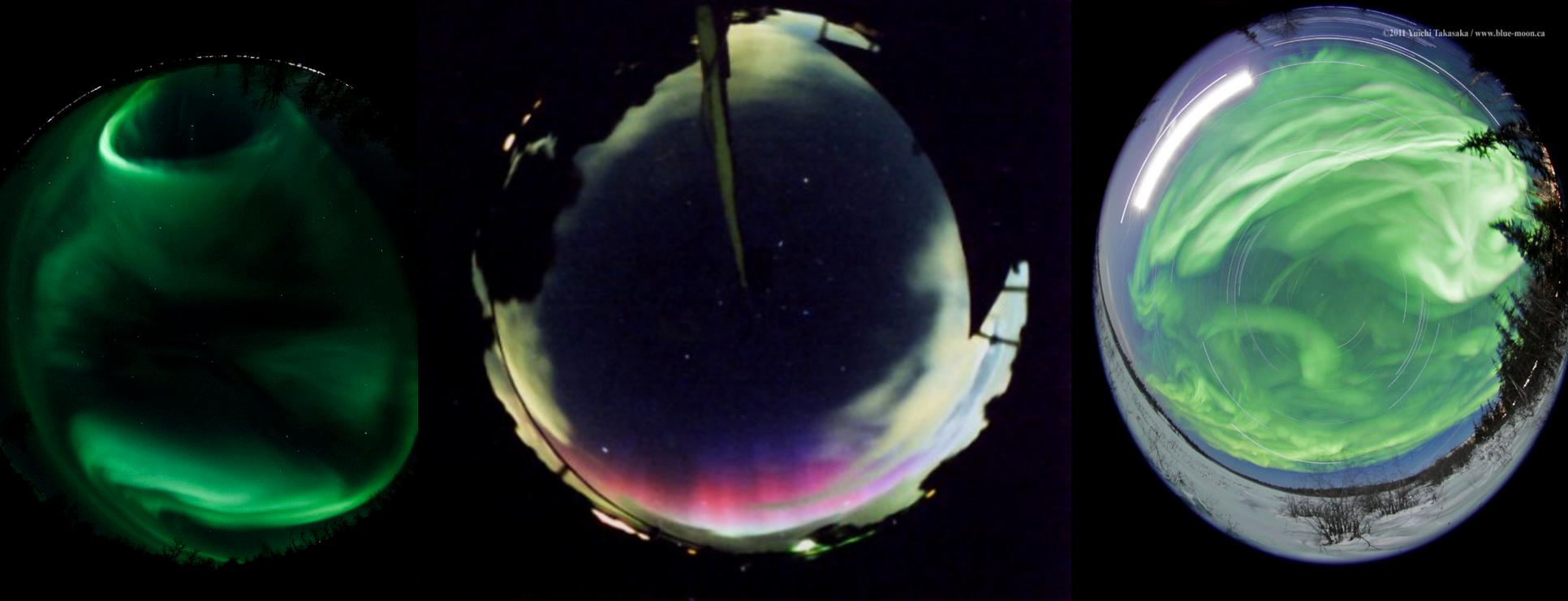
Aurora With Fireball & Reflection



Aurora Storm Directly Overhead



All Sky Camera Views

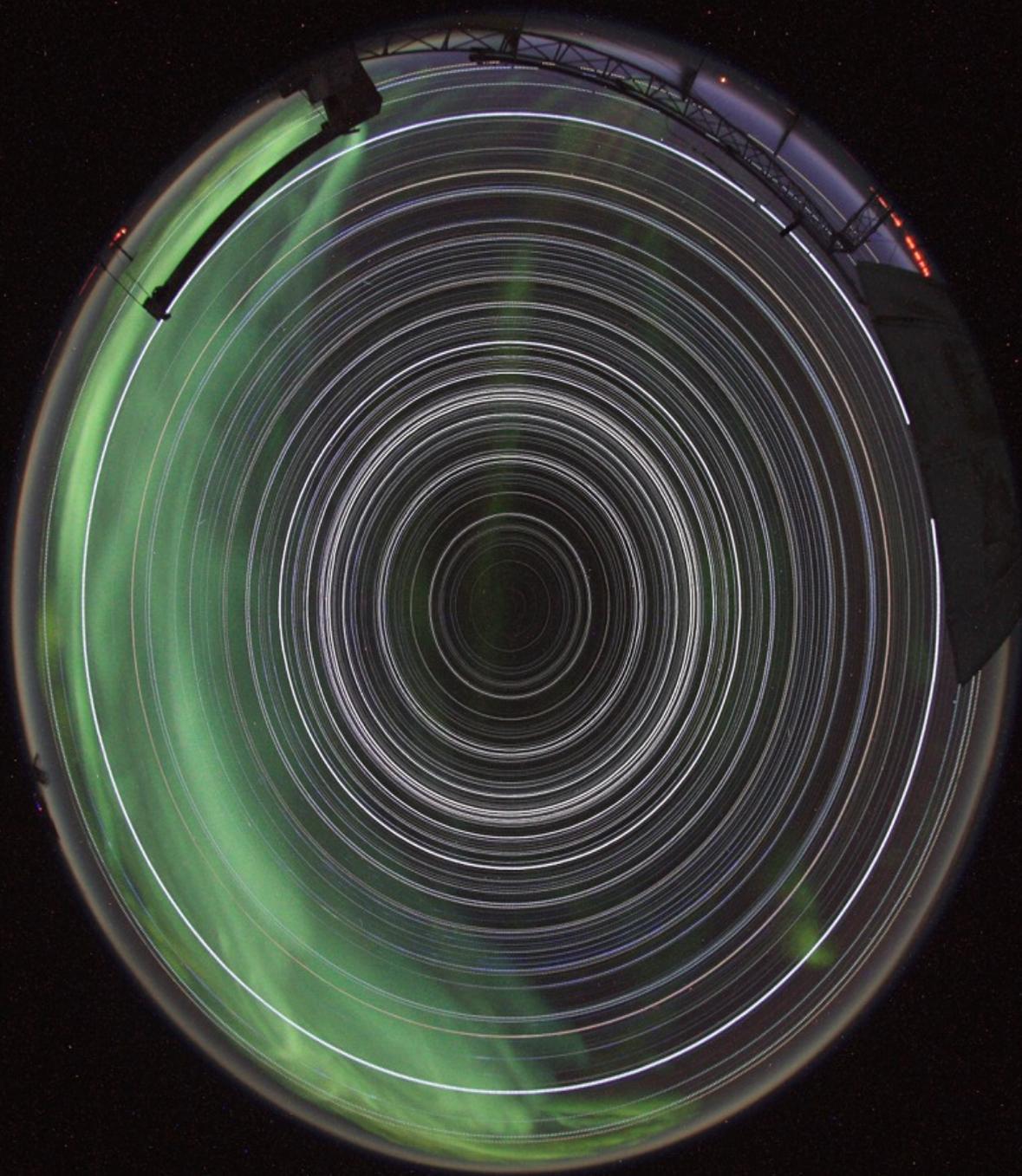


Aurora in Star Trails

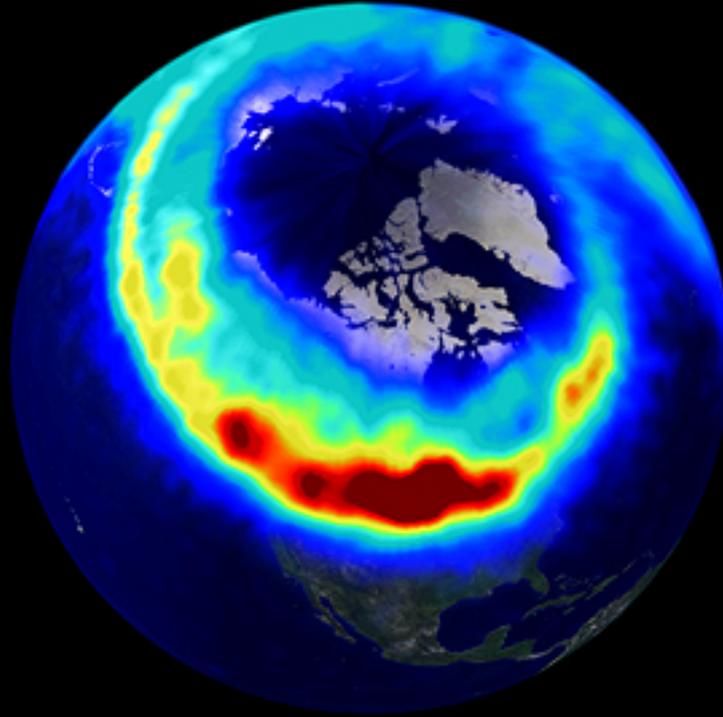


P-M Heden

All Sky Camera South Pole



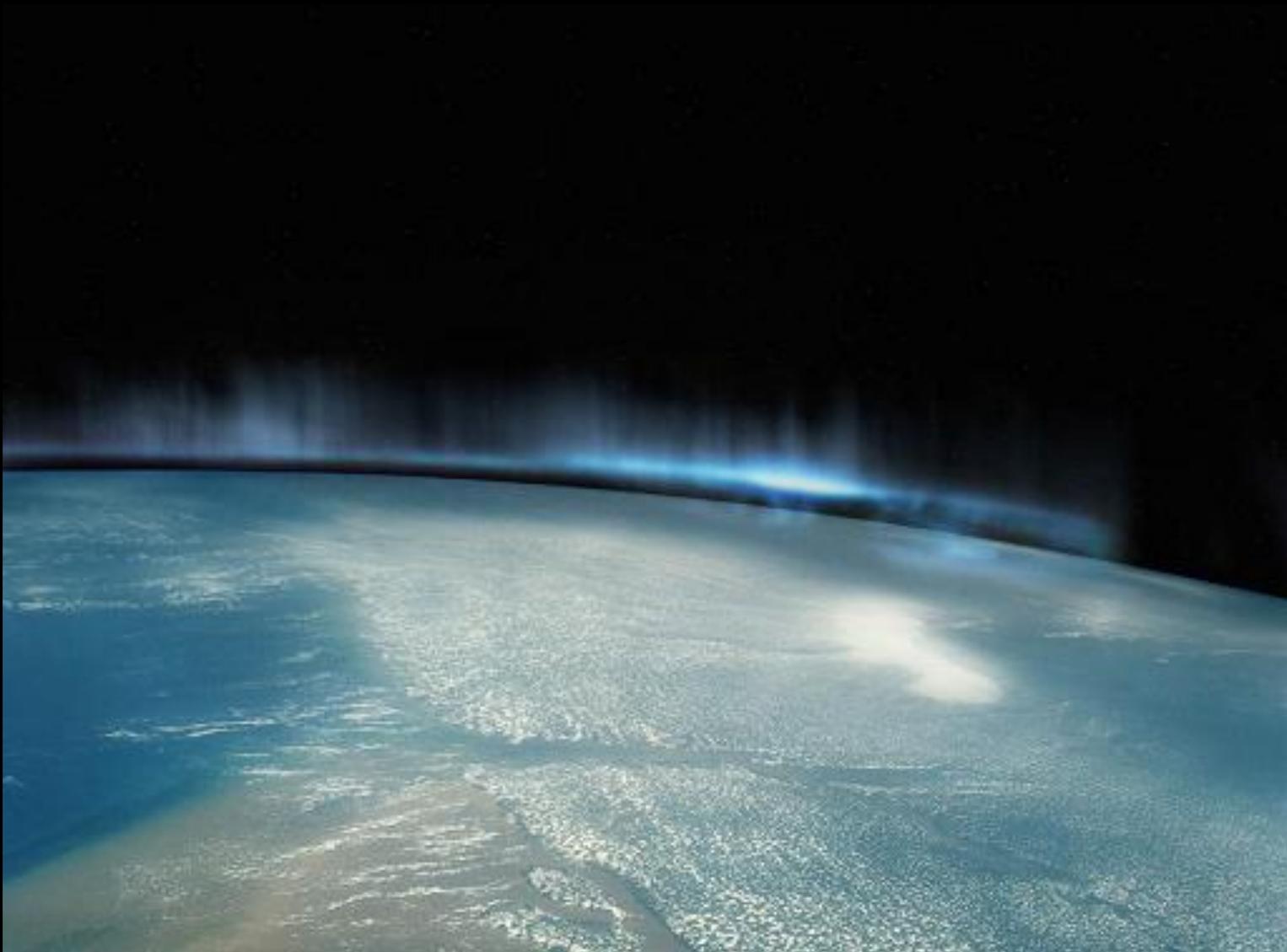
Aurora From Space



Solar Storms & CMEs Cause Oval To Expand and Contract



Aurora From Space



Aurora Over Midwest From ISS



Aurora From Shuttle Discovery



Planetary Aurora

Venus Aurora



2560x 1600

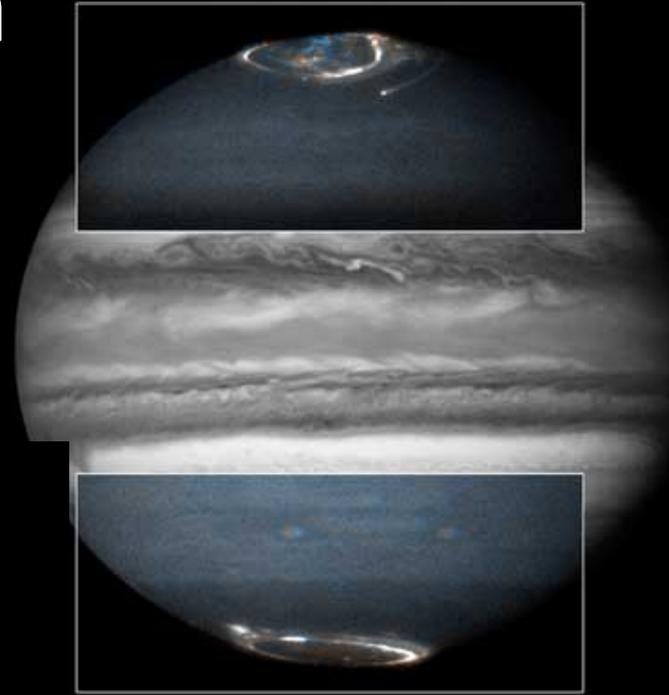
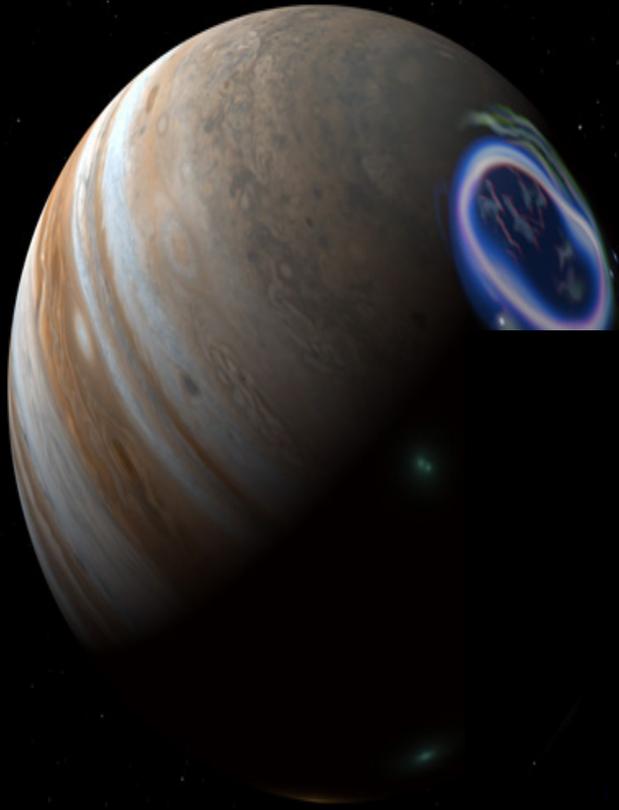
1mD-CasTeLeVs

Planetary Aurora

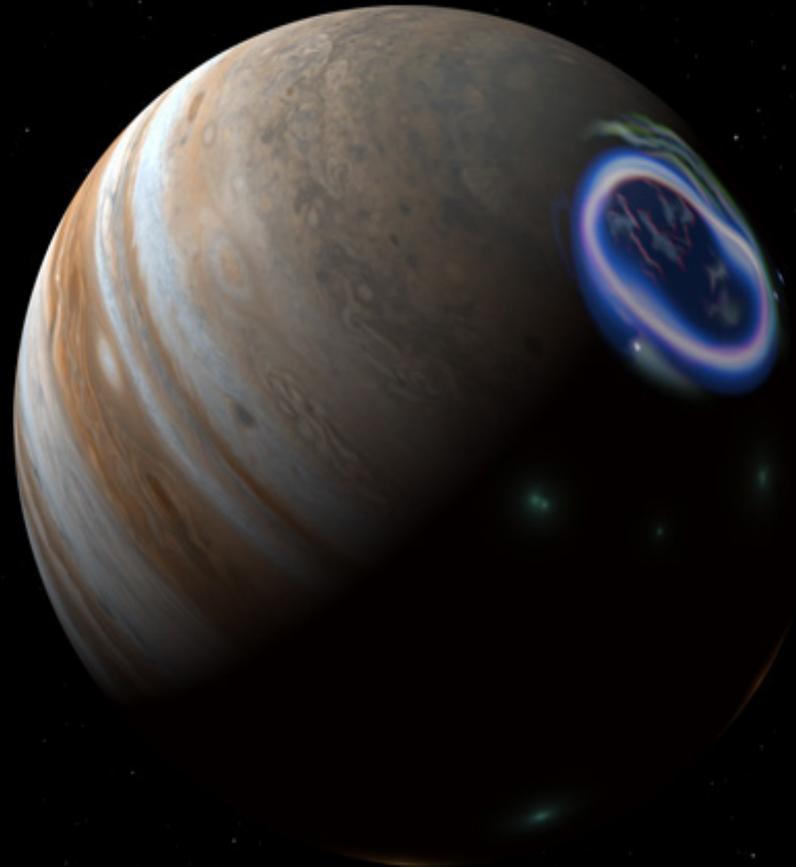
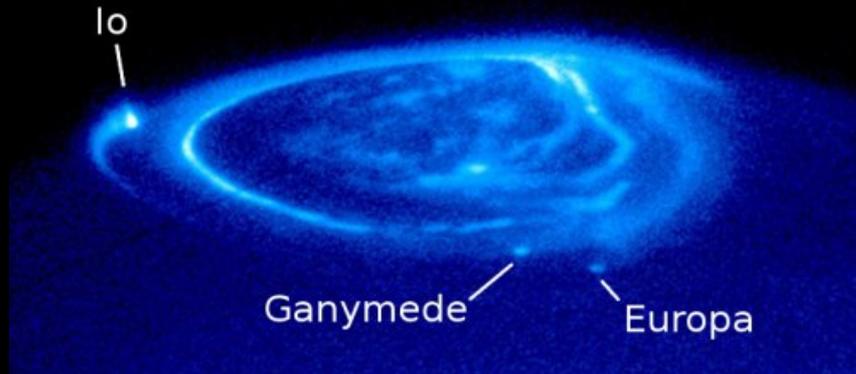
Mars – Artist's Conception



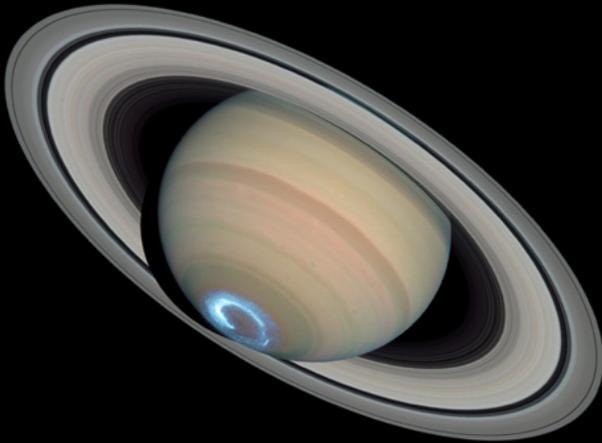
Planetary Aurora Jupiter



Planetary Aurora Jupiter and Io



Planetary Aurora Saturn



Planetary Aurora Uranus

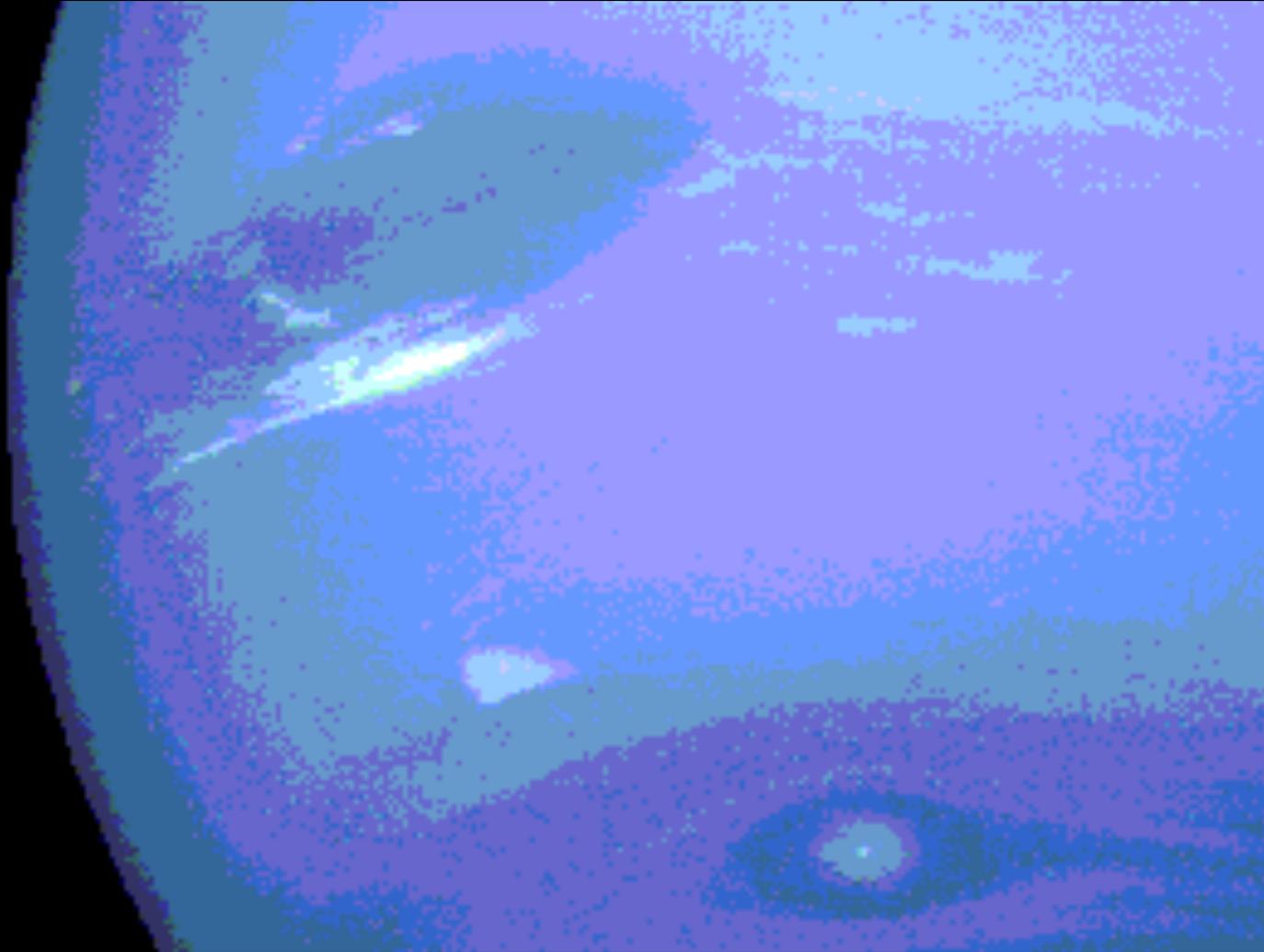


16 Nov. 2011



29 Nov. 2011

Planetary Aurora Neptune



Thanks