Earth’s Atmosphere From Space

ASTR 1210 – O’Connell
1) Earthrise over limb of Moon. Taken by Apollo 8 crew, orbiting the Moon, on 24 December 1968. Sometimes called "the most influential environmental photograph ever taken."

2) Blue-marble-1, South America. Taken by Apollo 8 in transit out to Moon. 22 December 1968.

3) Blue-marble-2, African hemisphere. Taken by Apollo 17, 7 December 1972, in transit out to Moon (last manned mission). A "Full Earth." First space photograph to include Antarctica.

4) Earth crescent, from Japanese Space Agency Kaguya lunar mission.

5) NASA Skylab Space Station (built from Saturn V rocket shell) over ocean, 1974.

6) International Space Station, taken from Space Shuttle, ca. 2008.

7) Ocean and clouds near twilight, taken from ISS.

8) Space Shuttle Atlantis on last approach to ISS, 2011.

9) USSR Mir Space Station and Earth limb, ca. 1995.

10) Astro-1 Space Shuttle mission over ocean, 1990.


16) Ocean cloud layers near terminator, with Mir Space Station and Moon, ca. 1996.


22) Italy in winter, from European Space Agency Envisat.
24) Hawaiian Islands, from Terra/EOS AM-1 satellite.
25) Africa and Atlantic Ocean in infrared, from European Space Agency Meteosat-Second-Generation-2 satellite 2006. (False color)
26) Canary Islands, showing "Karman Vortex," from ESA Envisat, 2011. (False color)
28) Hurricane Fran (Category 3) off Florida, 1996.
30) Sunset from Space Shuttle.