



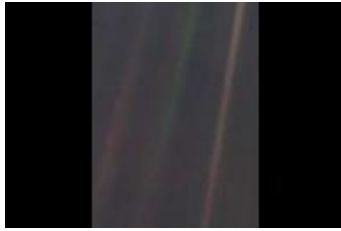
## VISIBLE EARTH

A catalog of NASA images and animations of our home planet

### SOLAR SYSTEM PORTRAIT - EARTH AS 'PALE BLUE DOT'

- [Home](#)
- [Terms of Use](#)
- [Browse By:](#)
  - [Sensor](#)
  - [Collections](#)
  - [Topic](#)



Credit: NASA JP:



This narrow-angle color image of the Earth, dubbed 'Pale Blue Dot', is a part of the first ever 'portrait' of the solar system taken by Voyager 1. The spacecraft acquired a total of 60 frames for a mosaic of the solar system from a distance of more than 4 billion miles from Earth and about 32 degrees above the ecliptic. From Voyager's great distance Earth is a mere point of light, less than the size of a picture element even in the narrow-angle camera. Earth was a crescent only 0.12 pixel in size. Coincidentally, Earth lies right in the center of one of the scattered light rays resulting from taking the image so close to the sun. This blown-up image of the Earth was taken through three color filters -- violet, blue and green -- and recombined to produce the color image. The background features in the image are artifacts resulting from the magnification.

#### Images & Animations

File	File Dimensions
<a href="#">PIA00452_md.jpg</a>	442x600 JPEG 14 KB
<a href="#">PIA00452.tif</a>	453x614 TIFF 682 KB

**Note:** Often times, due to the size, browsers have a difficult time opening and displaying images. If you experience an error when clicking on an image link, please try directly downloading the image (using a right click, save as method) to view it locally.

- [Subscribe to the RSS Feed](#)
- [Privacy Policy and Important Notices](#)
- [Contact Visible Earth](#)
- [National Climate Assessment](#)
- [Climate Resilience Toolkit](#)
- [Climate Data Initiative](#)



Webmaster: Paul Przyborski  
NASA Official: Charles Ichoku  
Database Updated: January 31, 2016

The Visible Earth is part of the [EOS Project Science Office](#) located at NASA Goddard Space Flight Center.