

Notes to Presenters

- These slides are from a presentation by Dr. Frank Summers of the Space Telescope Science Institute in February 2015.
- This presentation features one Hubble image from each year of operation. This set is not meant to represent the most significant, most beautiful, or most anything. They are ones that illustrate the breadth and depth of Hubble observations, as well as the stories the speaker wanted to tell. Please adjust or augment as you see fit.

Notes to Presenters 2

- Images are predominantly public domain NASA images or unrestricted images from wikimedia commons. However, strict copyright checking has not been done.
- See further notes on each slide. Slide notes, written by Dr. Summers, explain the basic ideas of each slide's graphics.
- A longer, and slightly different, version of this talk is available to watch on YouTube:
 - <https://www.youtube.com/watch?v=8vpHrCtdDtA>

25 Years of the Hubble Space Telescope

A Celestial Silver Celebration



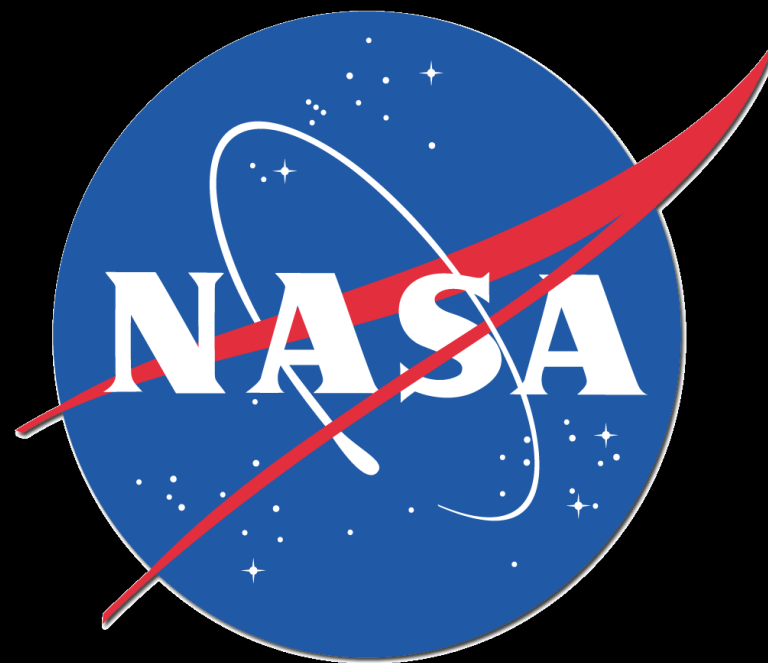
Dr. Frank Summers
Space Telescope Science Institute
February 5, 2015

1946





1957



1958



1962



NASA

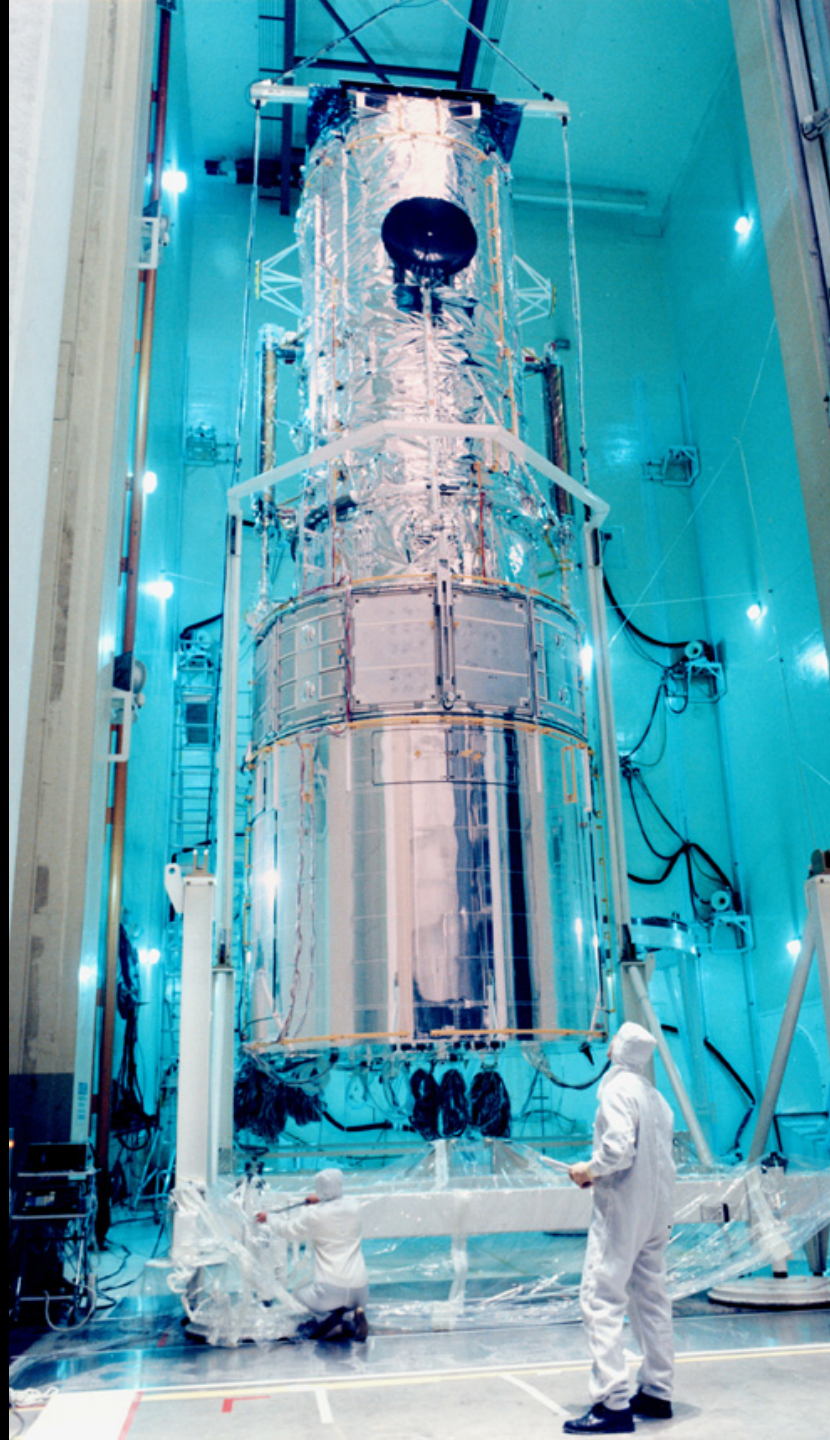


1976

1977



1985

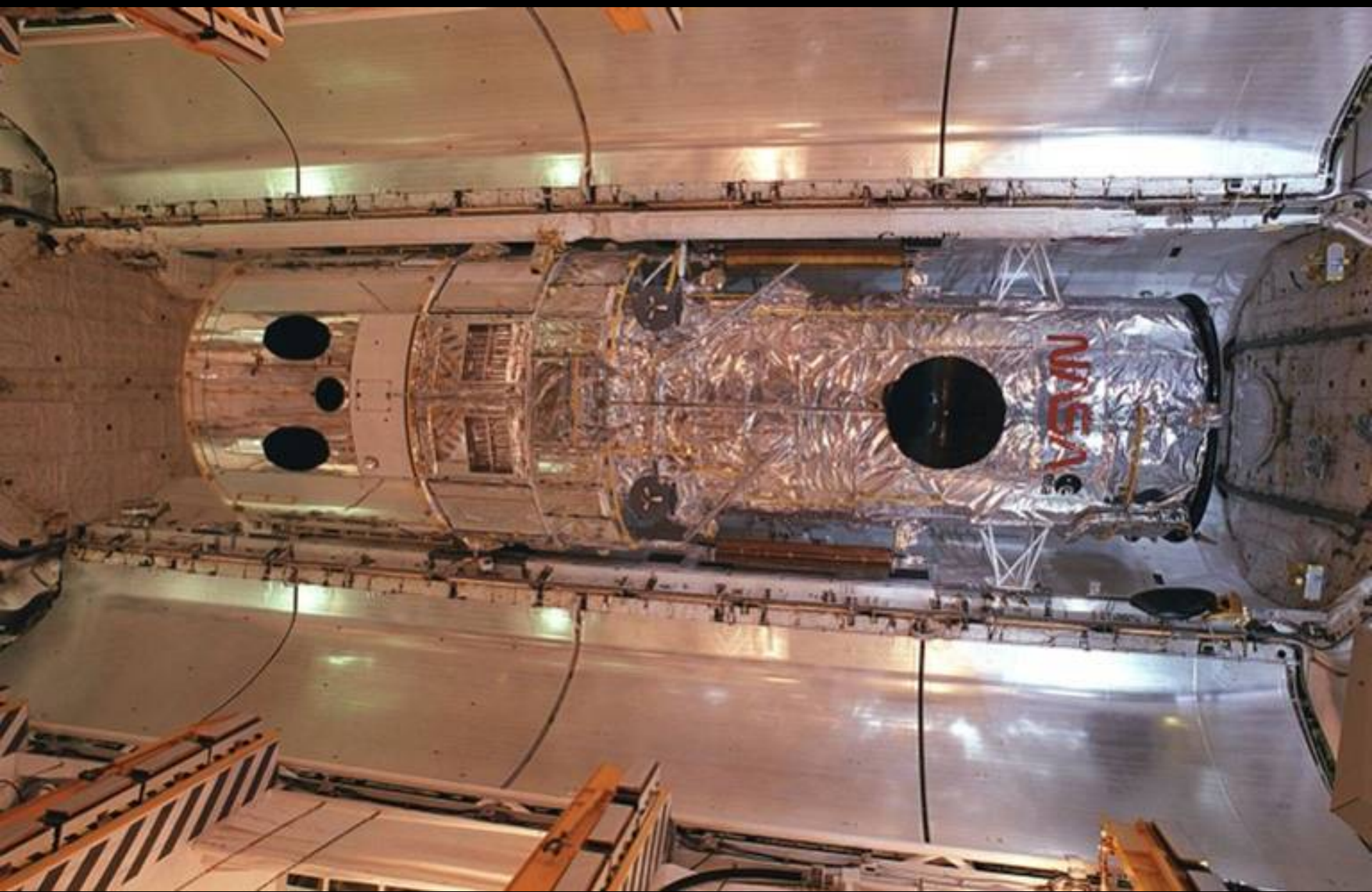


1986

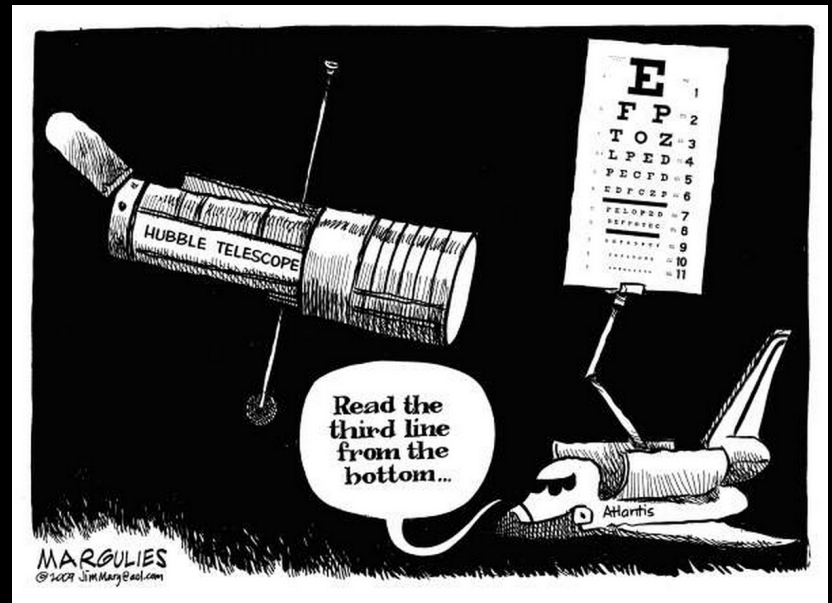
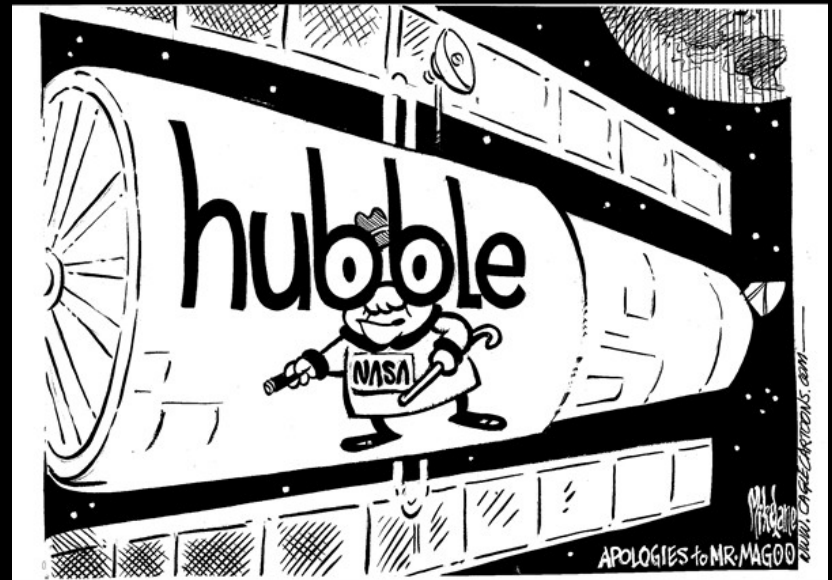
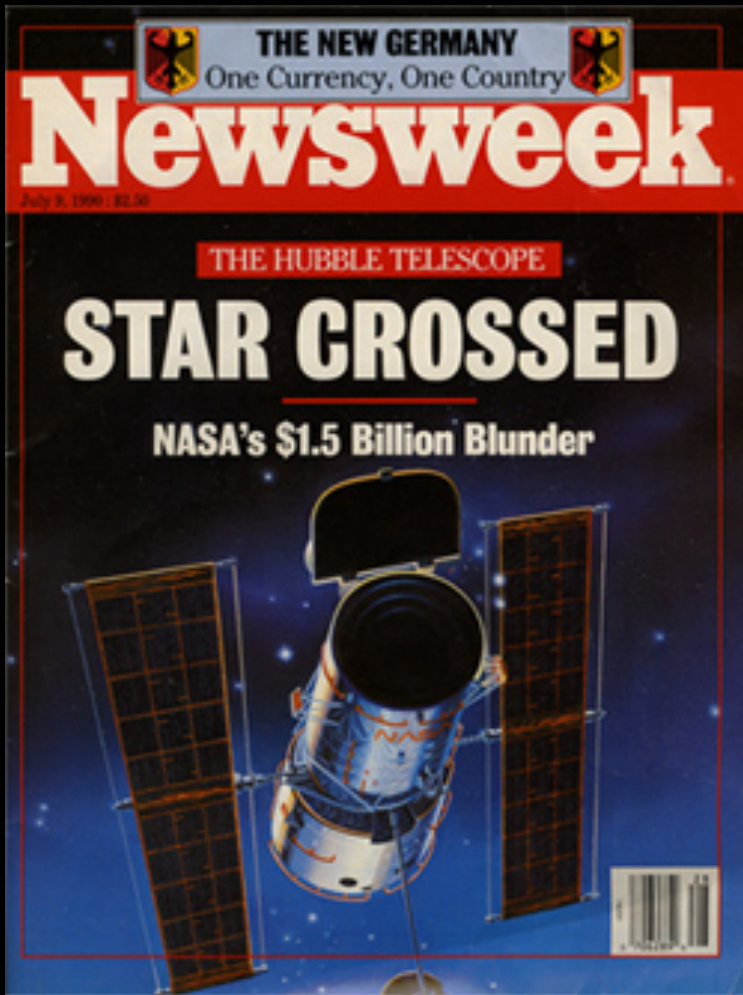


1990

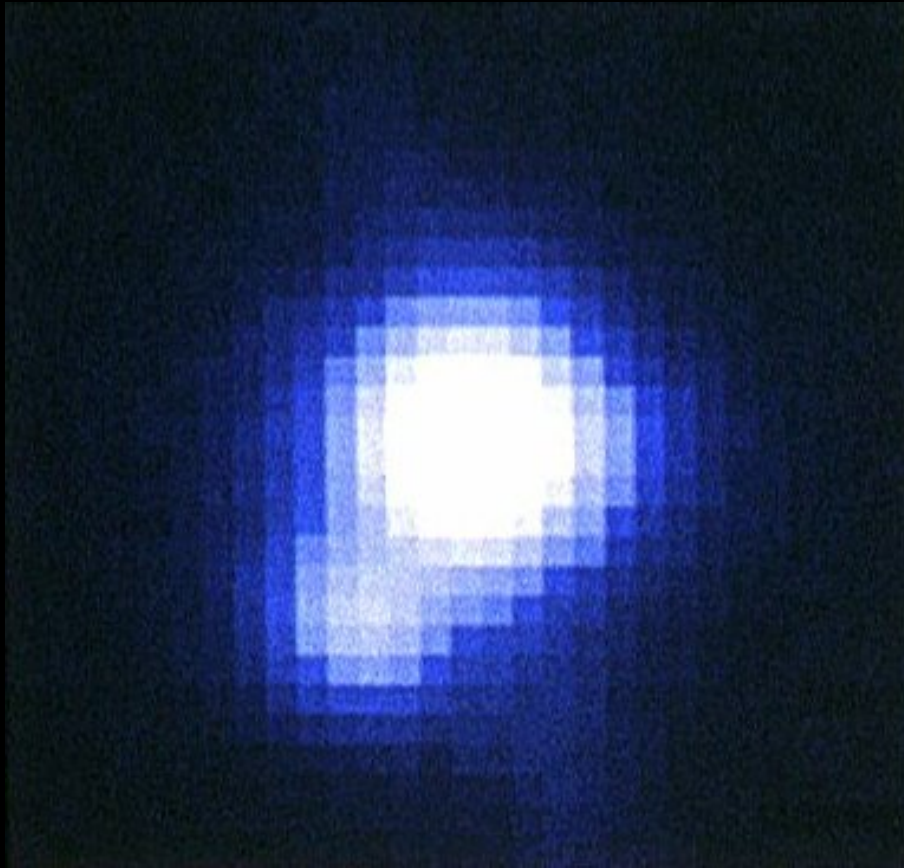








Pluto & Charon

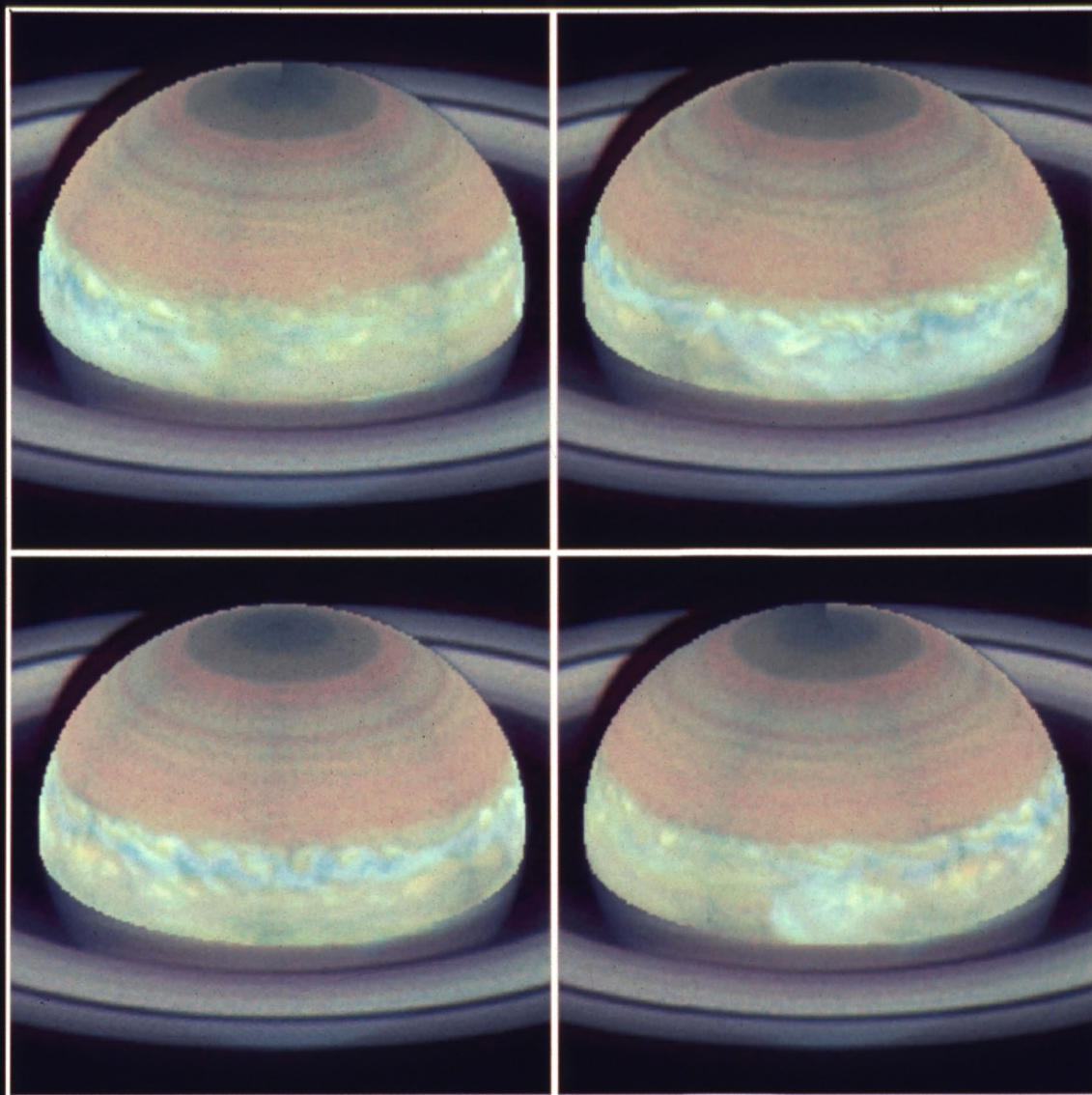


Ground

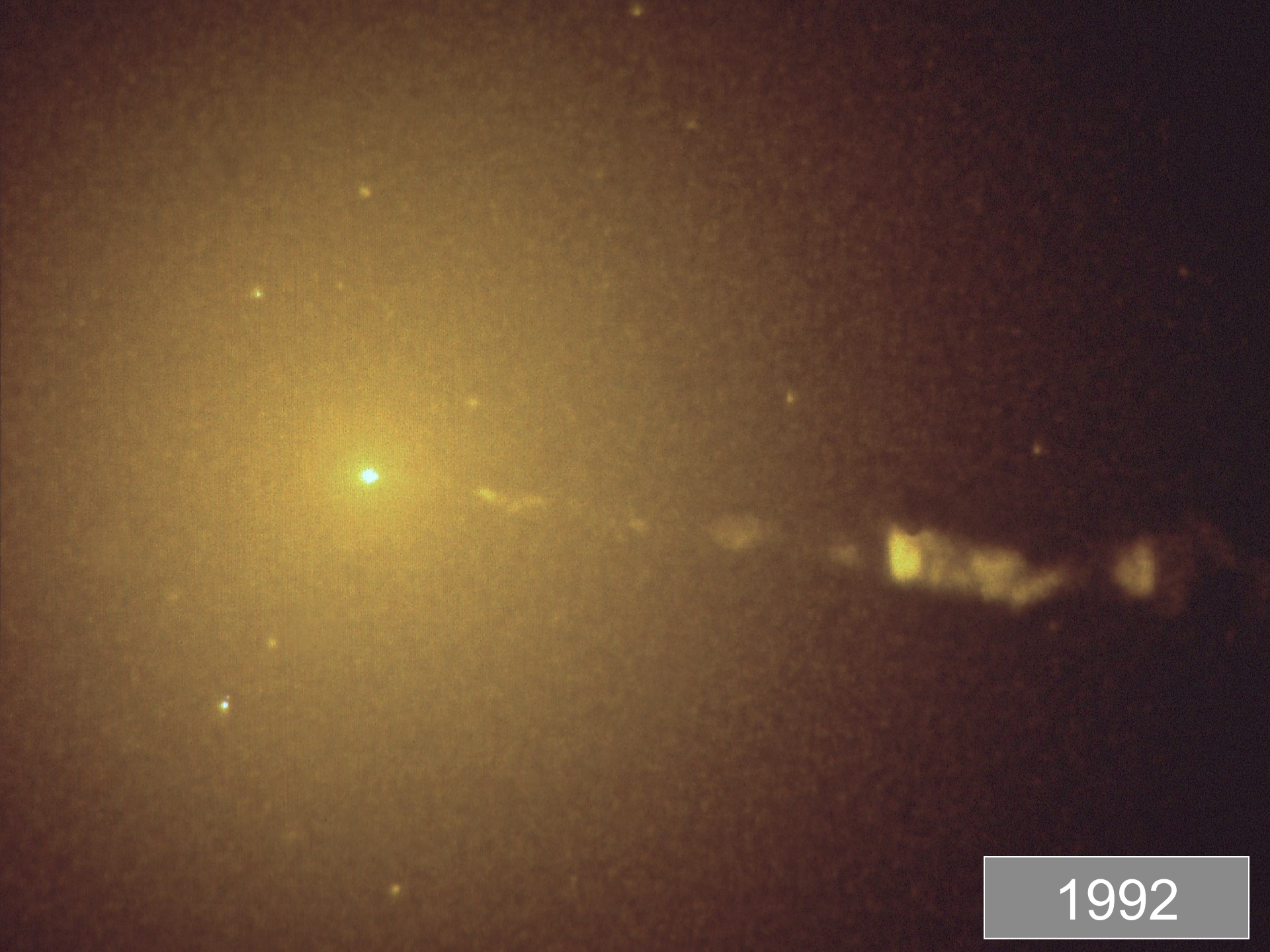


Hubble

1990



1991



1992

M 31

The Andromeda Galaxy



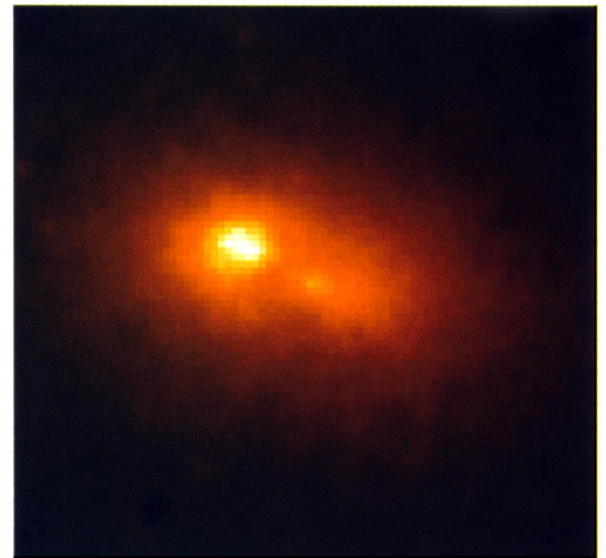
40,000 LY

Ground View of Galaxy



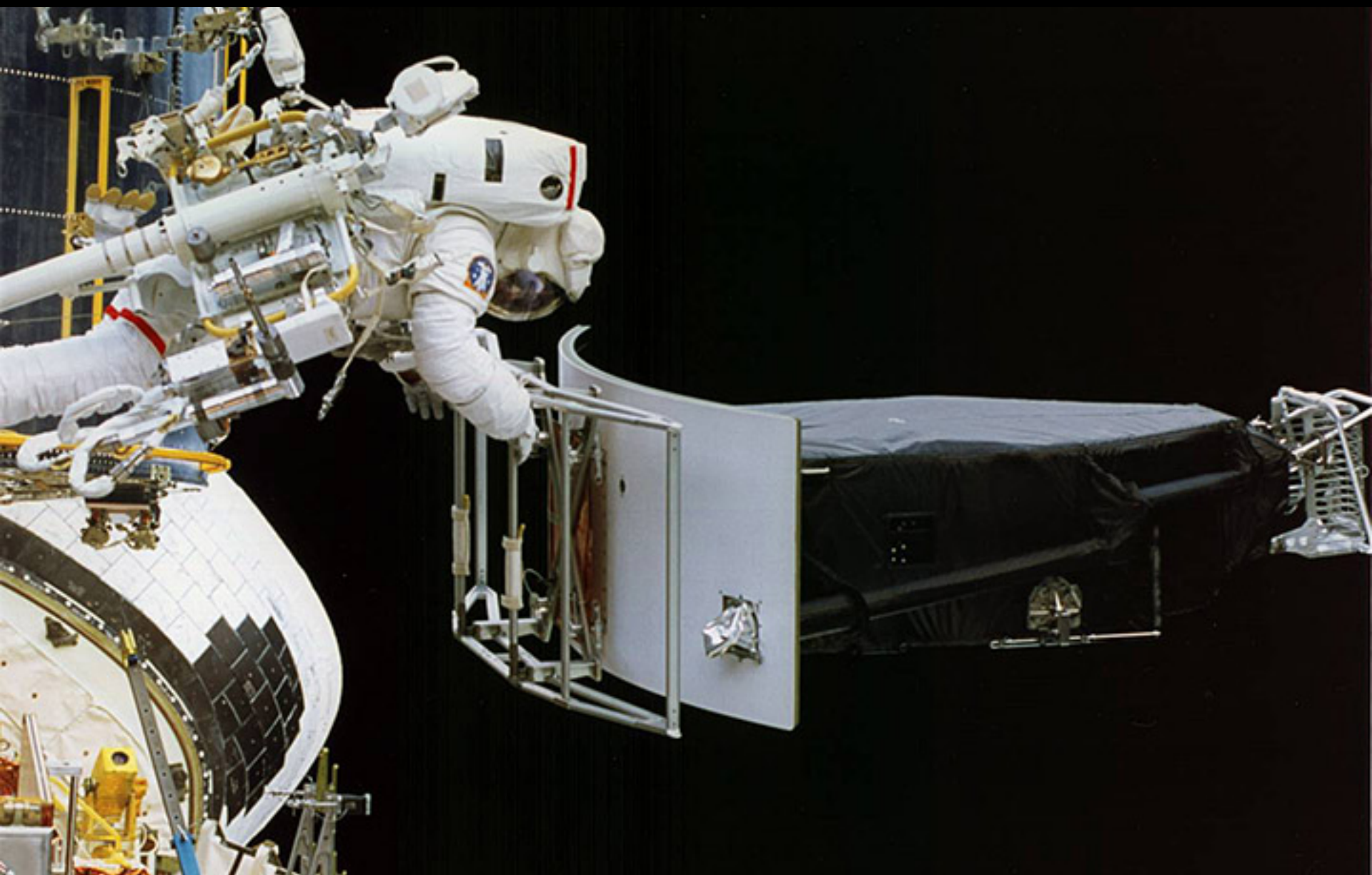
2,000 LY

Ground View of Galaxy Core



40 LIGHT-YEARS

HST View of Galaxy Nucleus



Center of Galaxy M100



WFPC1



WFPC2



Visible Light

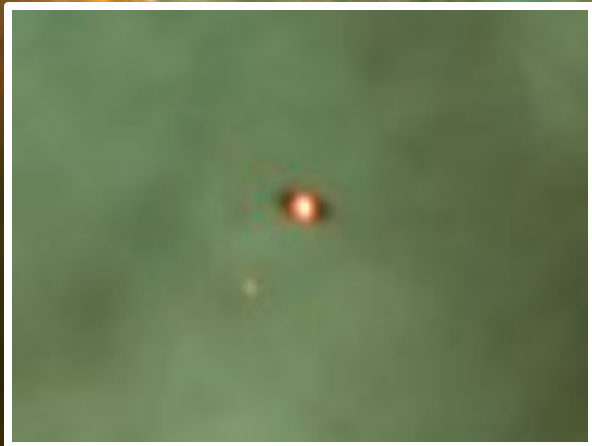


Ultraviolet Light

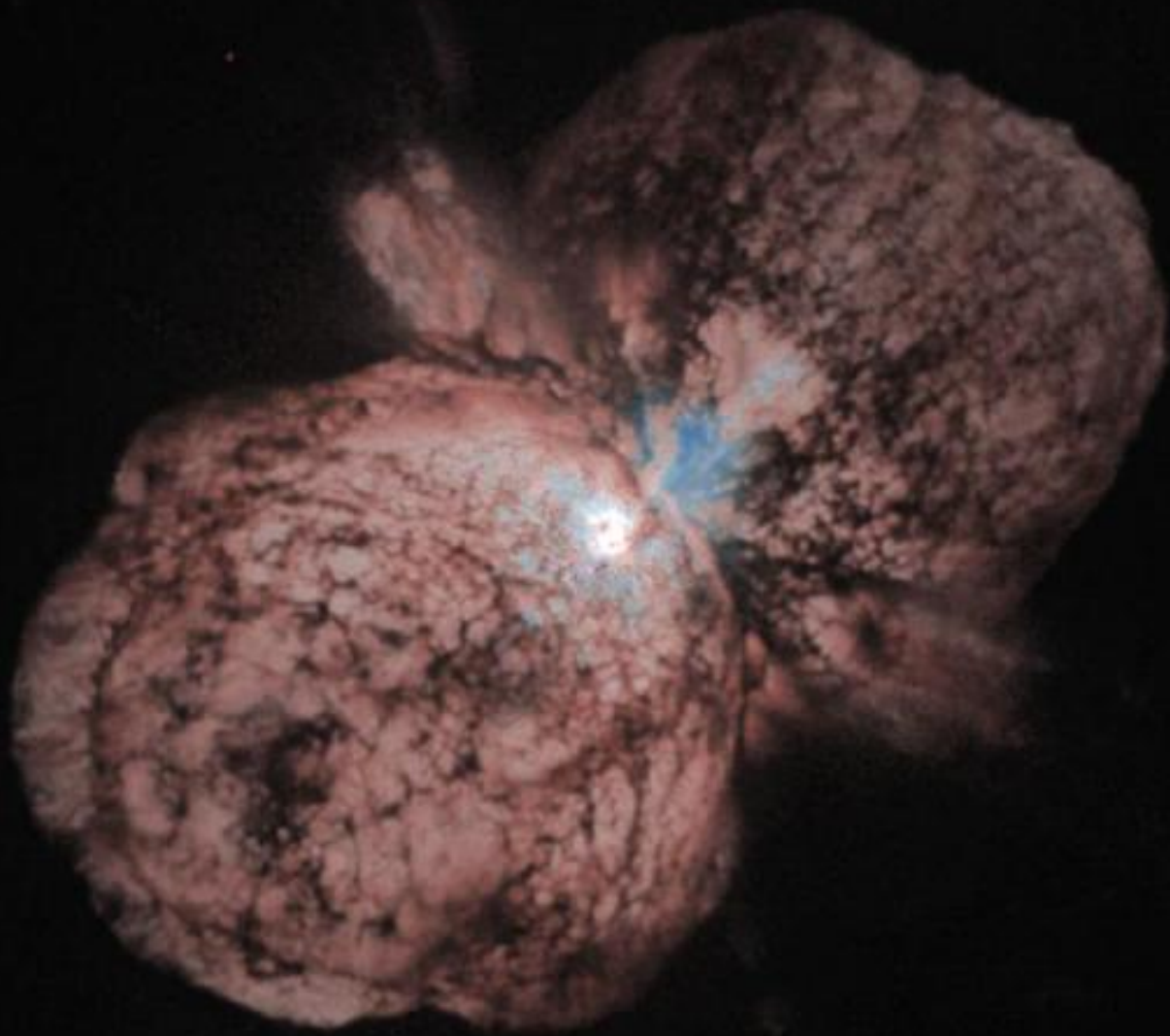
1994



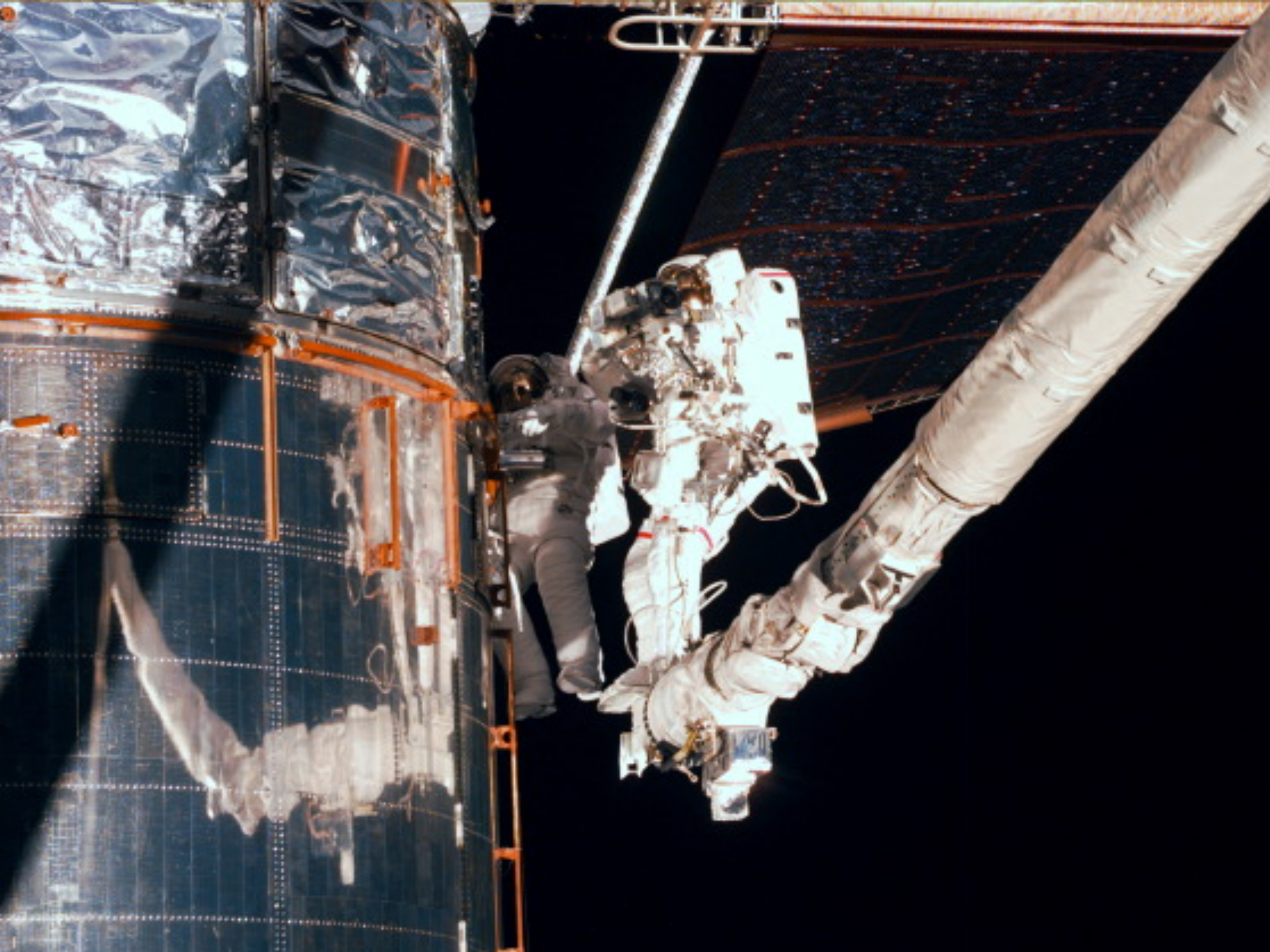
1995

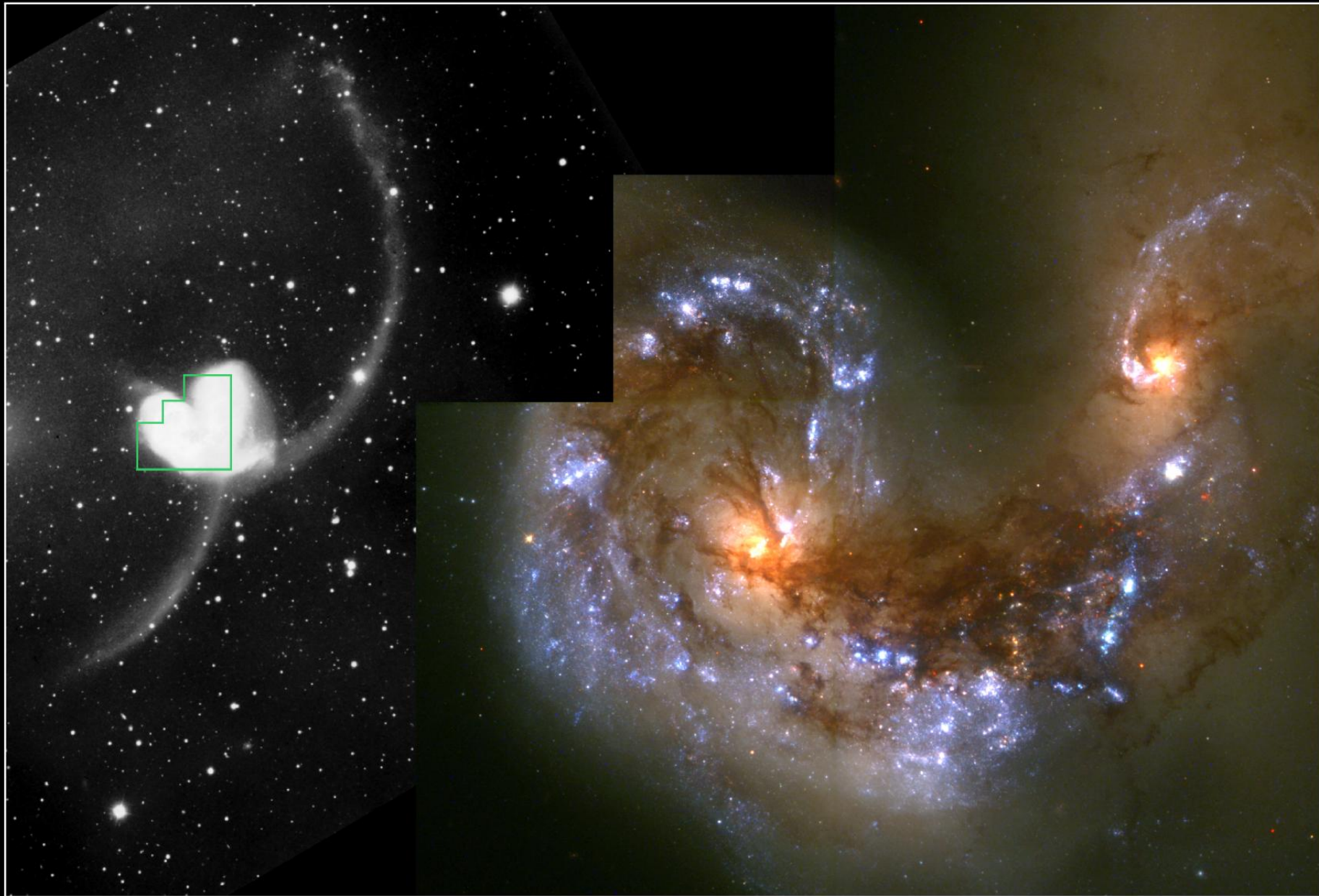


1995

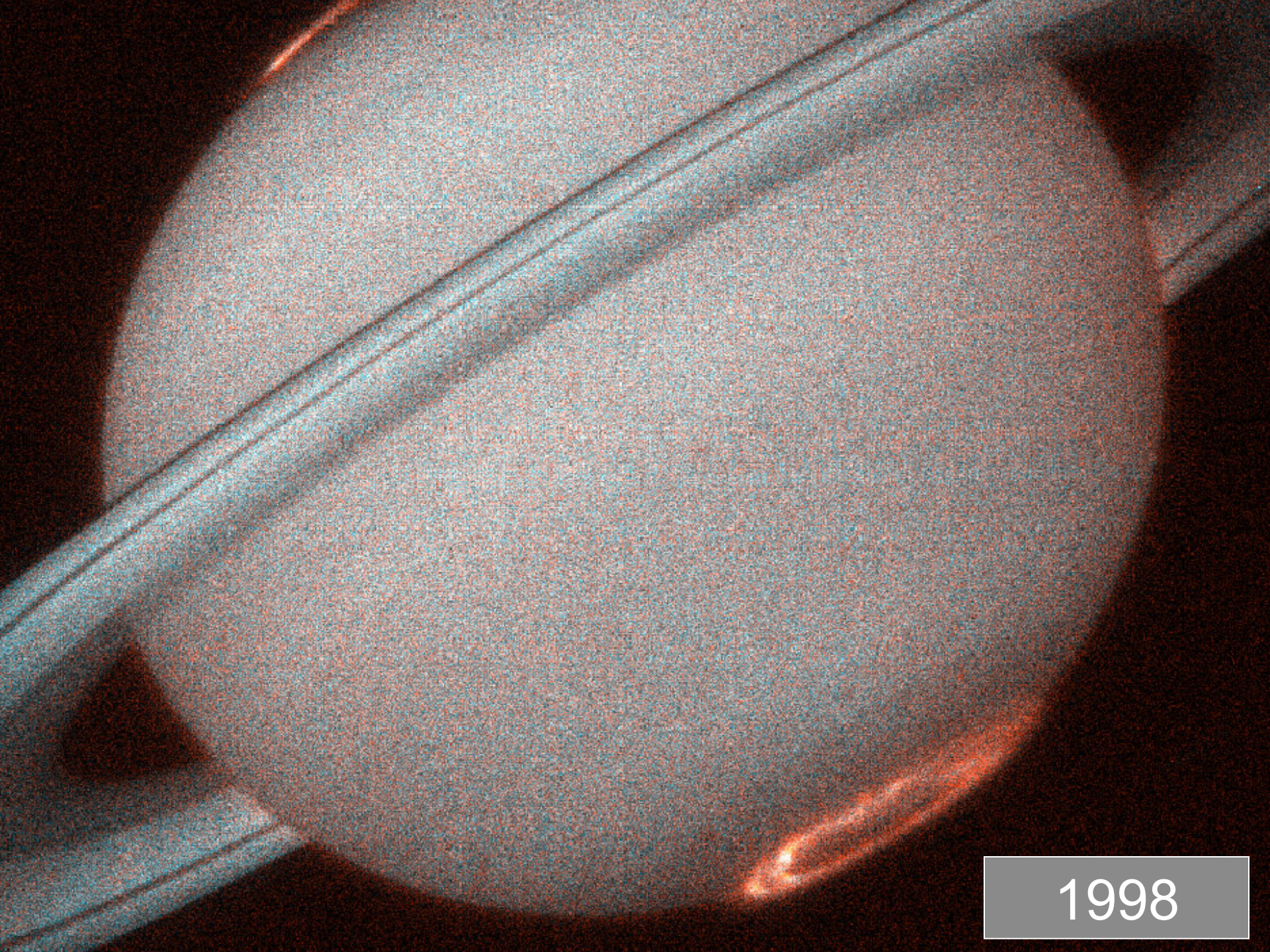


1996





1997

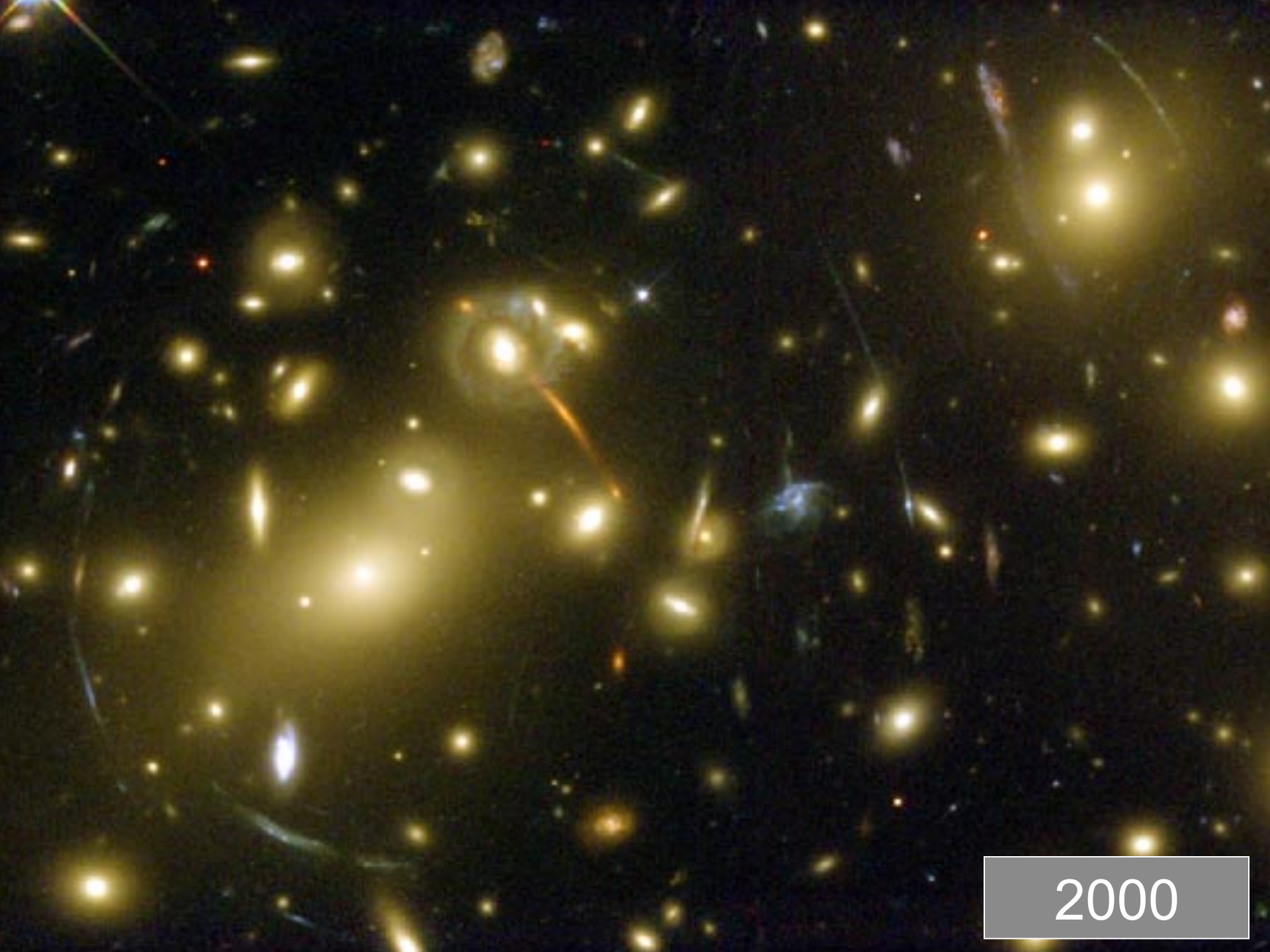


1998



1999





2000

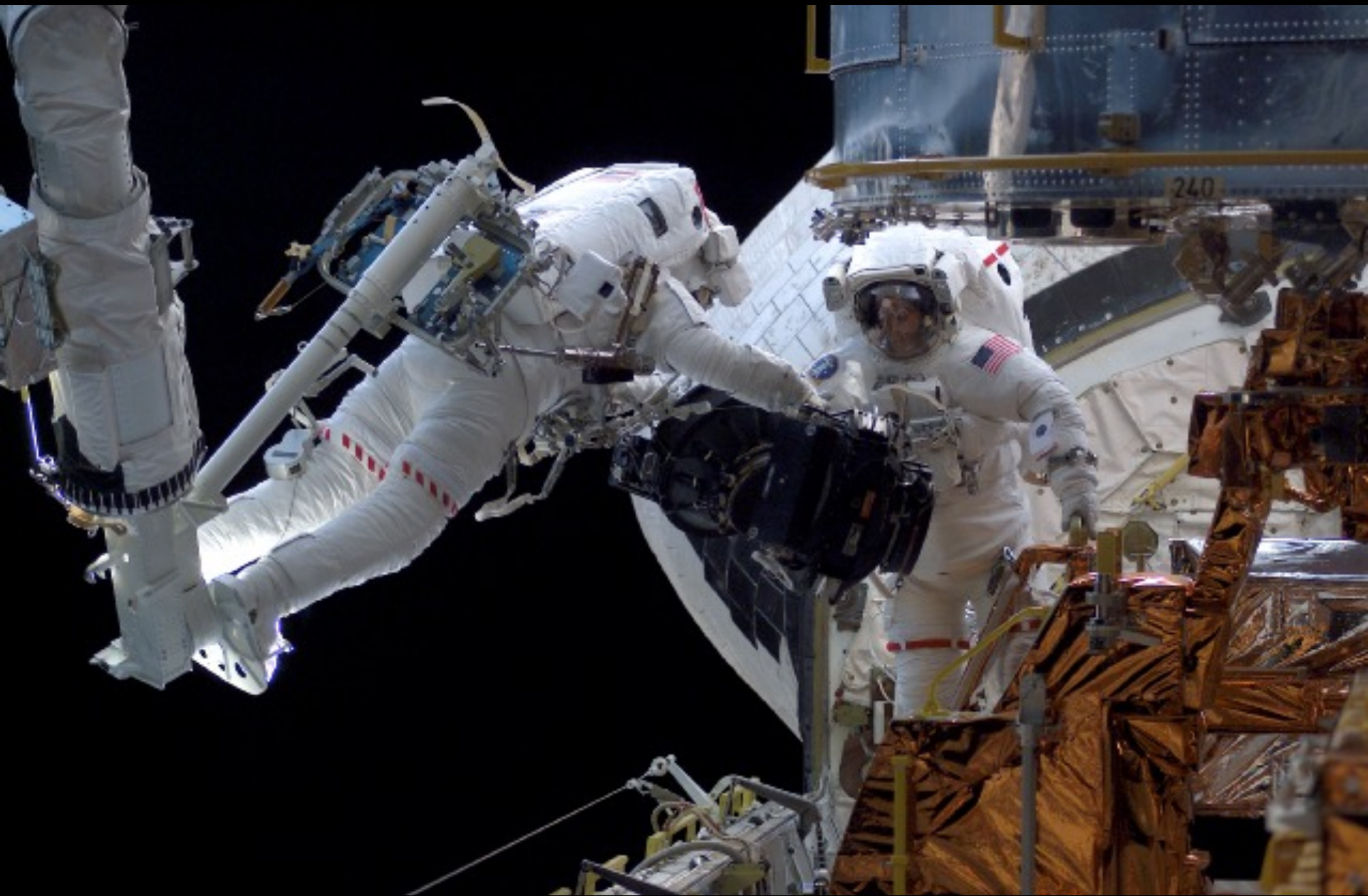


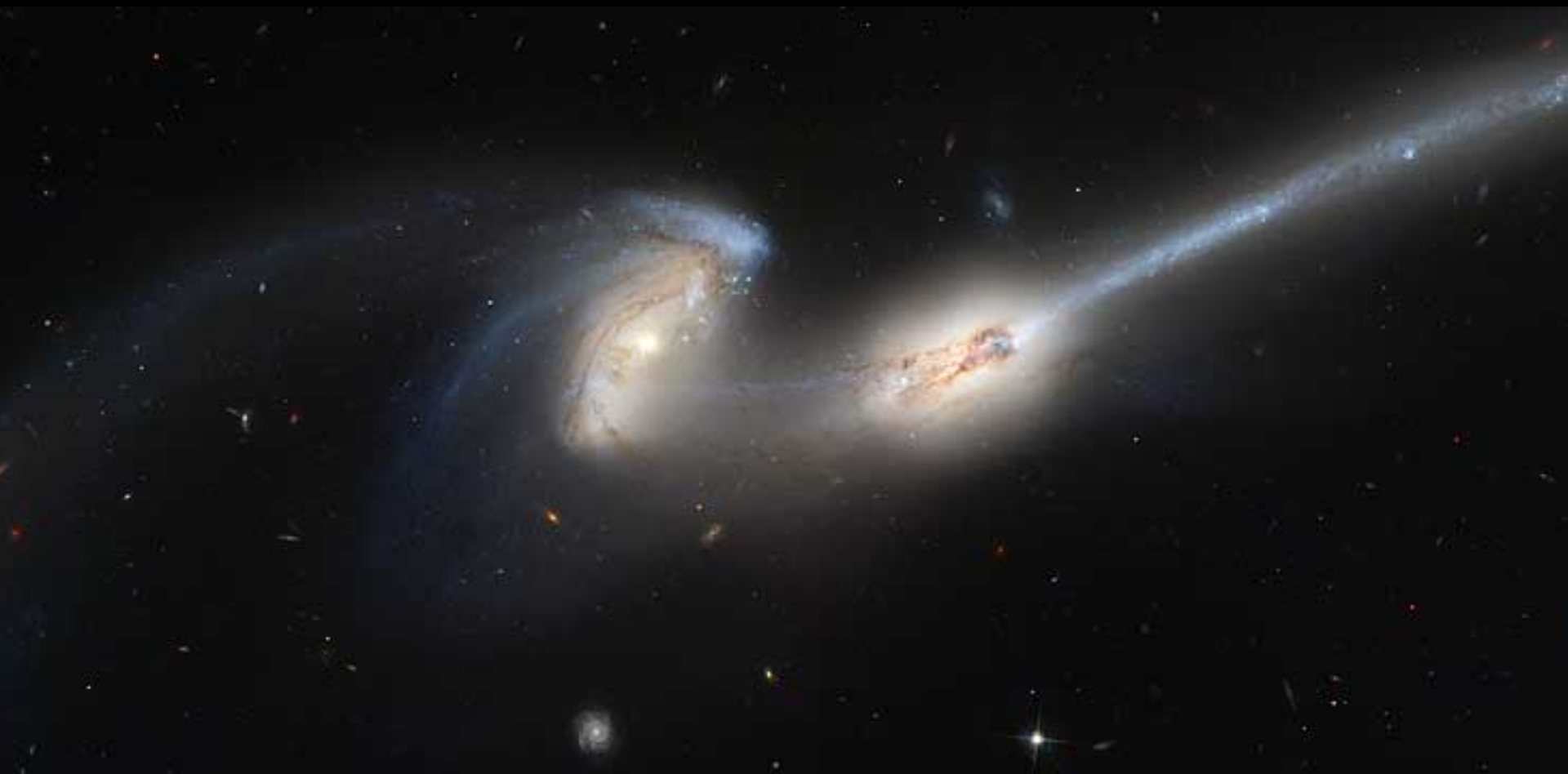
June 26, 2001



September 4, 2001

2001





2002

The New York Times

Washington and Baltimore. Several of roads are icy, high seas on the right, cloudy. Stars in the upper left. Temperature above with clouds, high and dry. Weather clear. (1/20/75)

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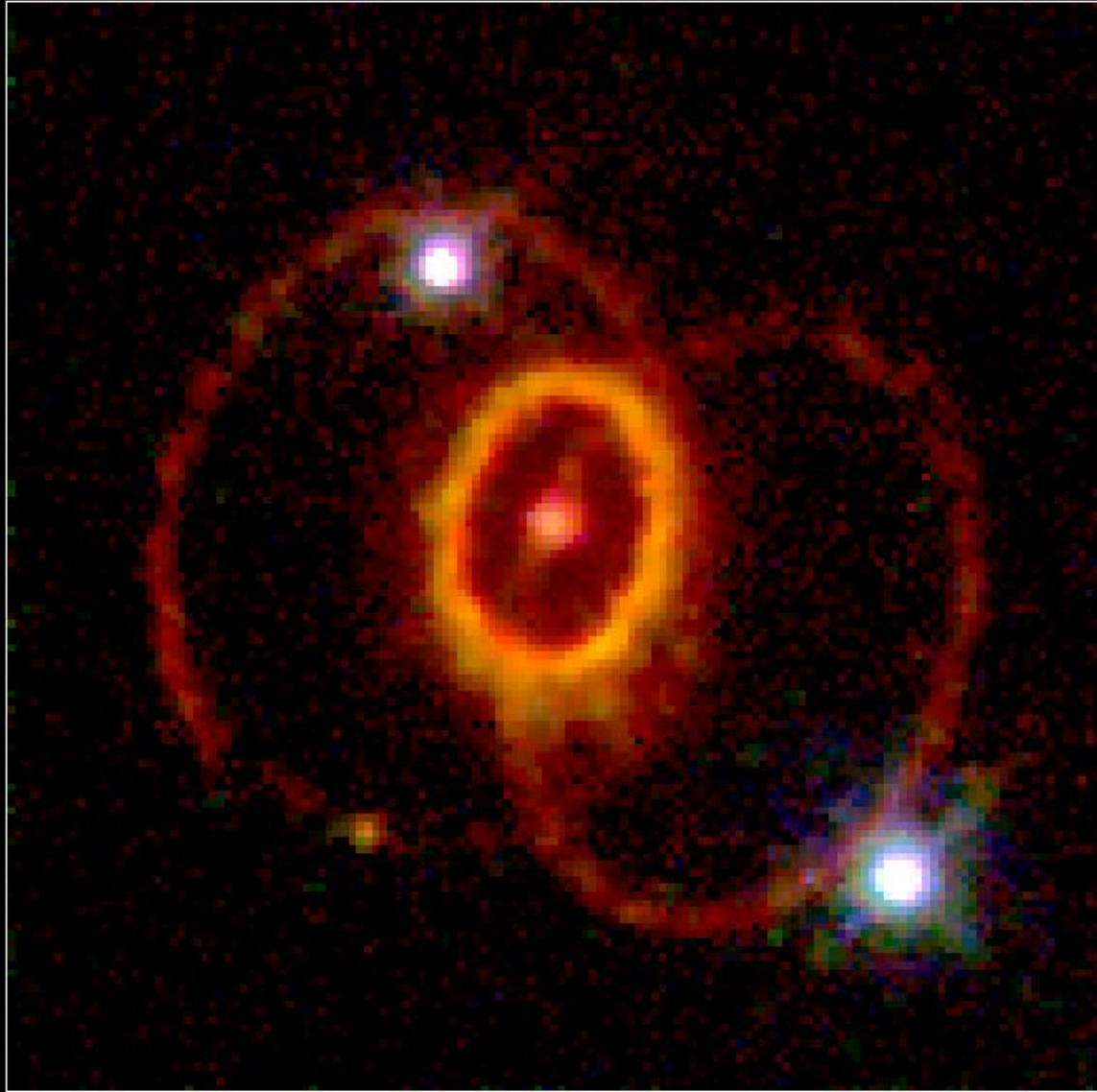
the departed Tarquin priest: a pillar of gold and feet
 under the Gate. Before, the Queen herself and
 walking priestess under the Moon, Page 548.



2003



Supernova 1987A Rings



1994



September 24, 1994



March 5, 1995



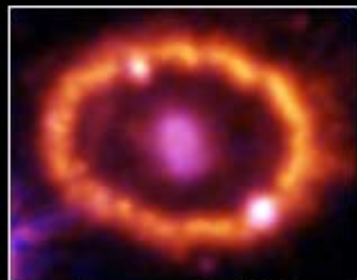
February 6, 1996



July 10, 1997



February 6, 1998



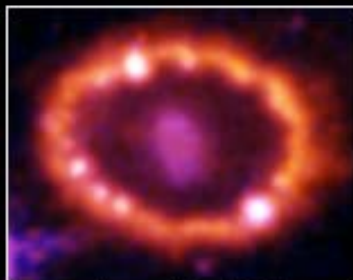
January 8, 1999



April 21, 1999



February 2, 2000



June 16, 2000



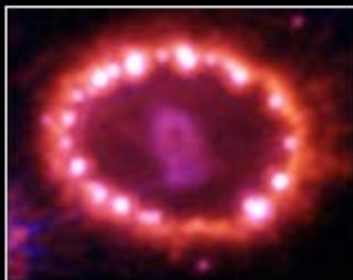
November 14, 2000



March 23, 2001



December 7, 2001



January 5, 2003



August 12, 2003



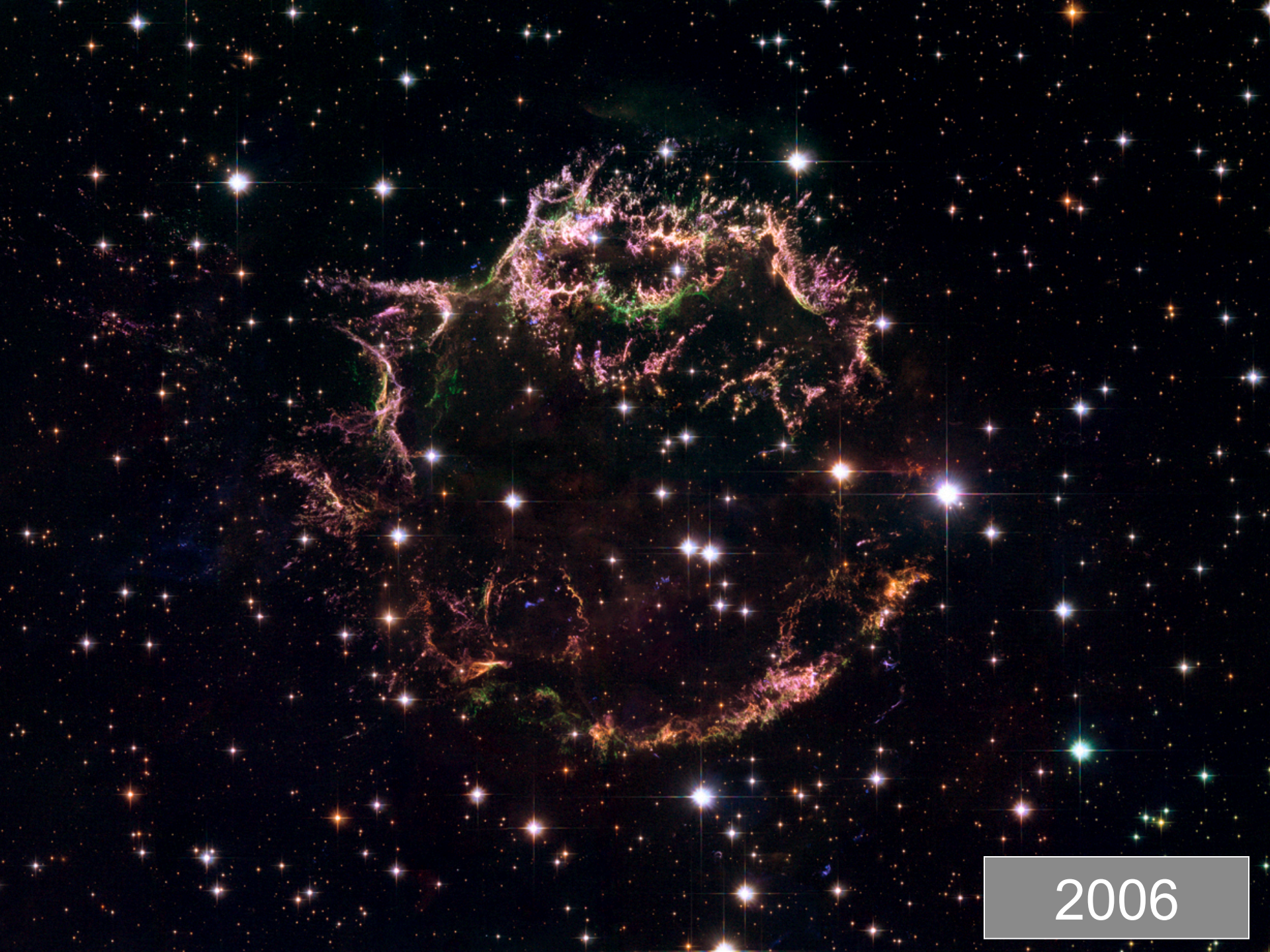
November 28, 2003

2004





2005



2006

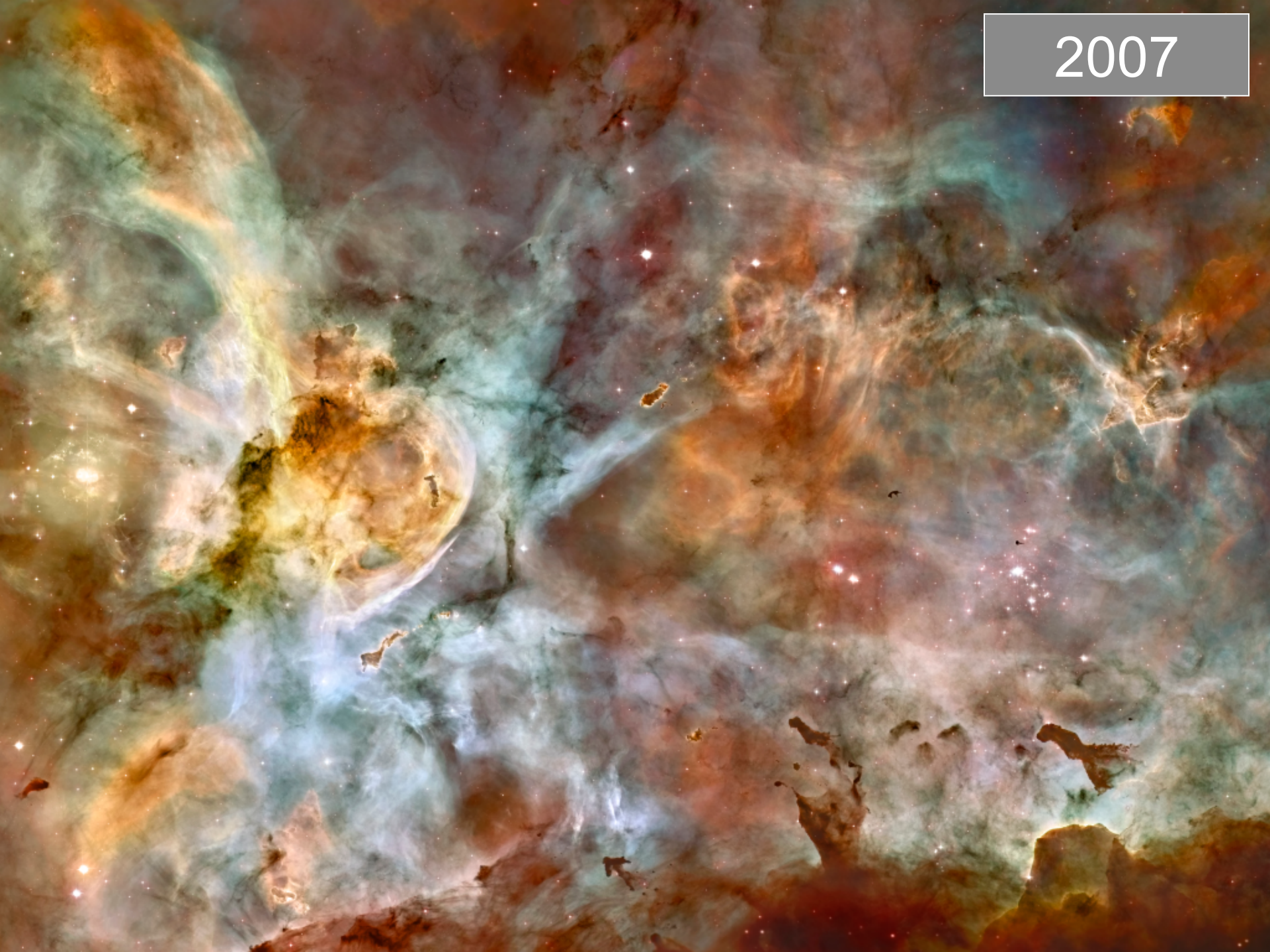




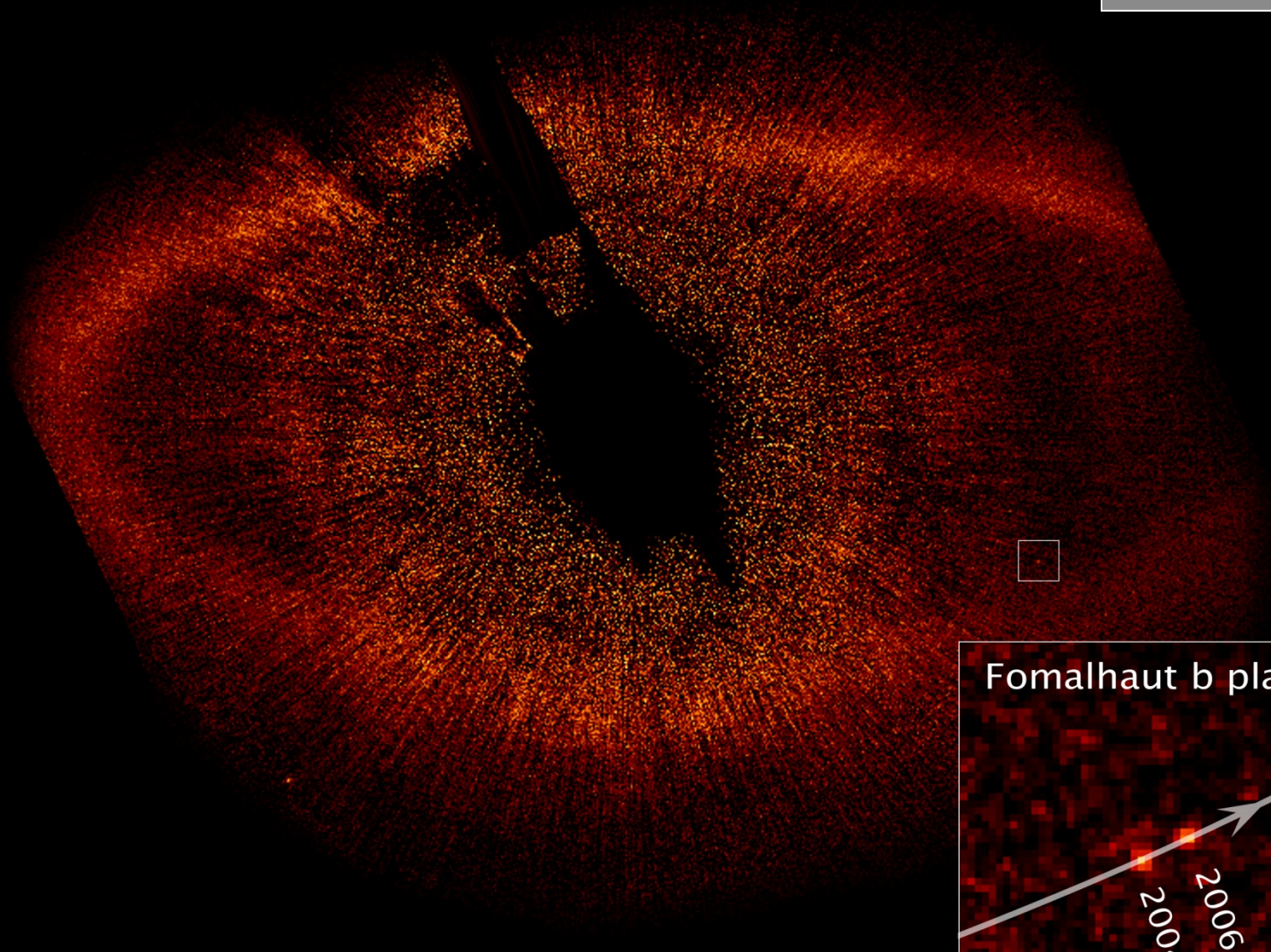
ACS

SV8

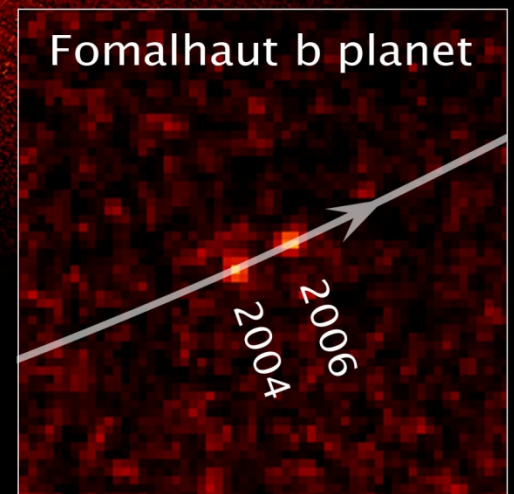
2007



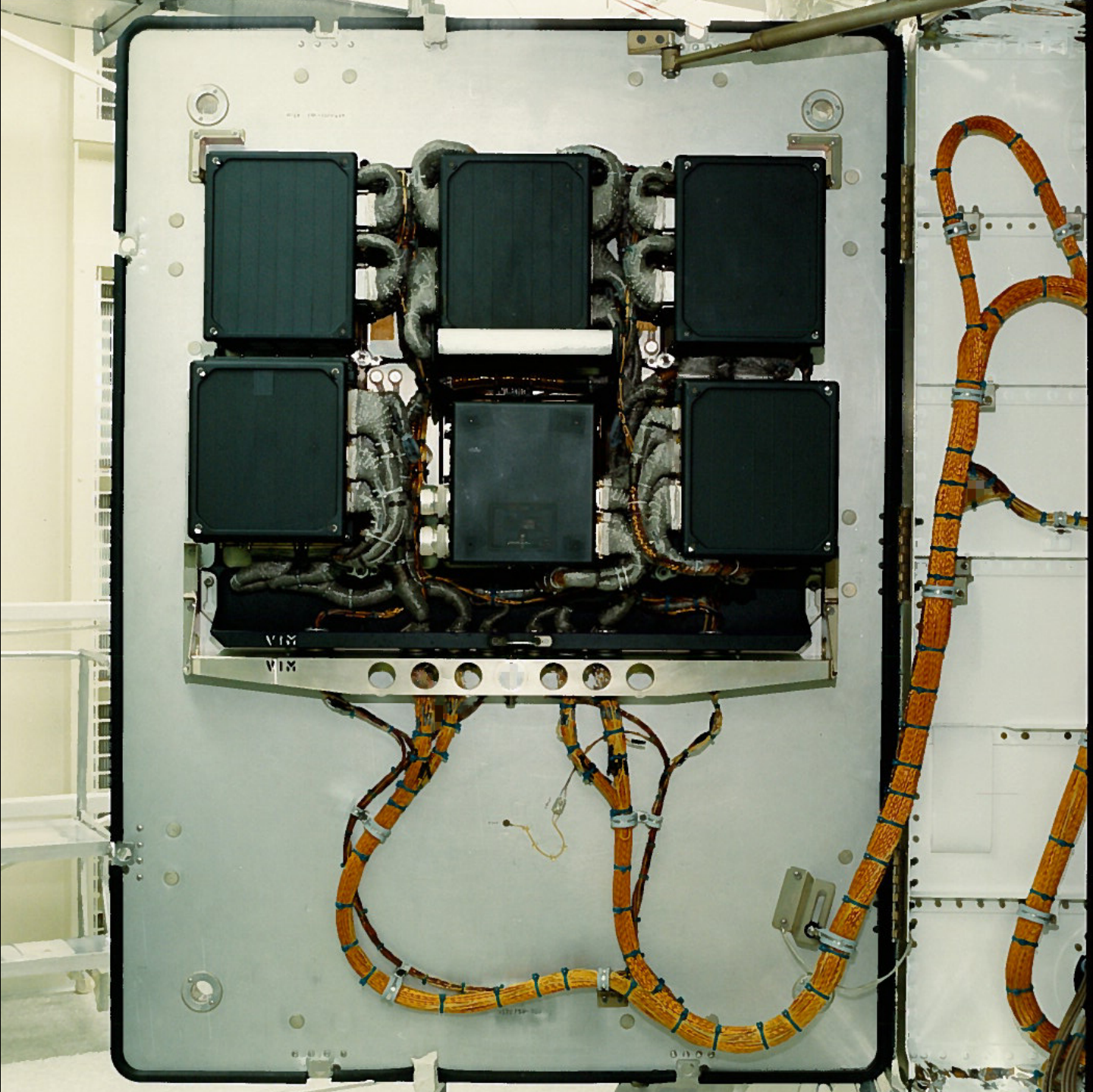
2008



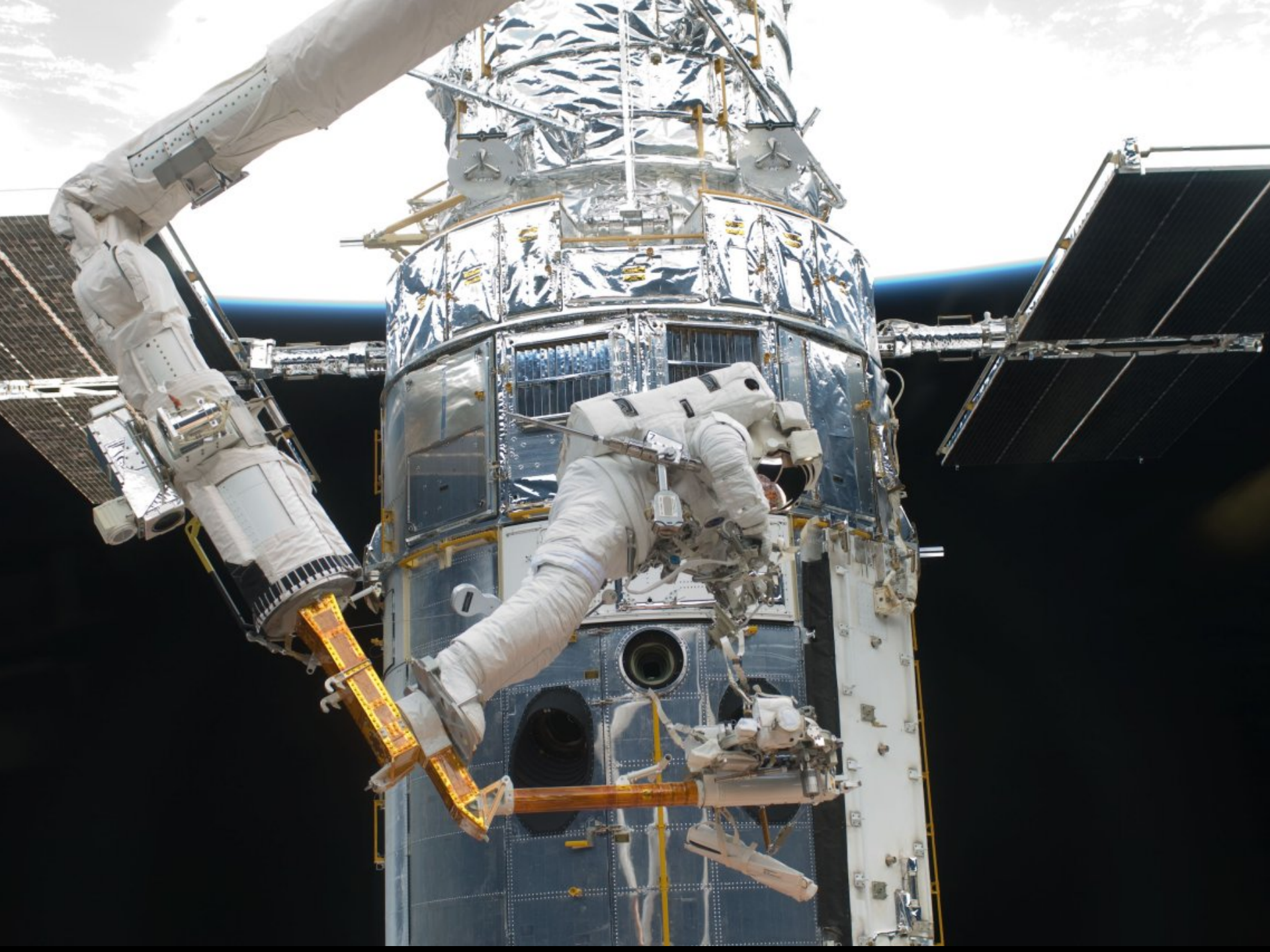
Fomalhaut b planet





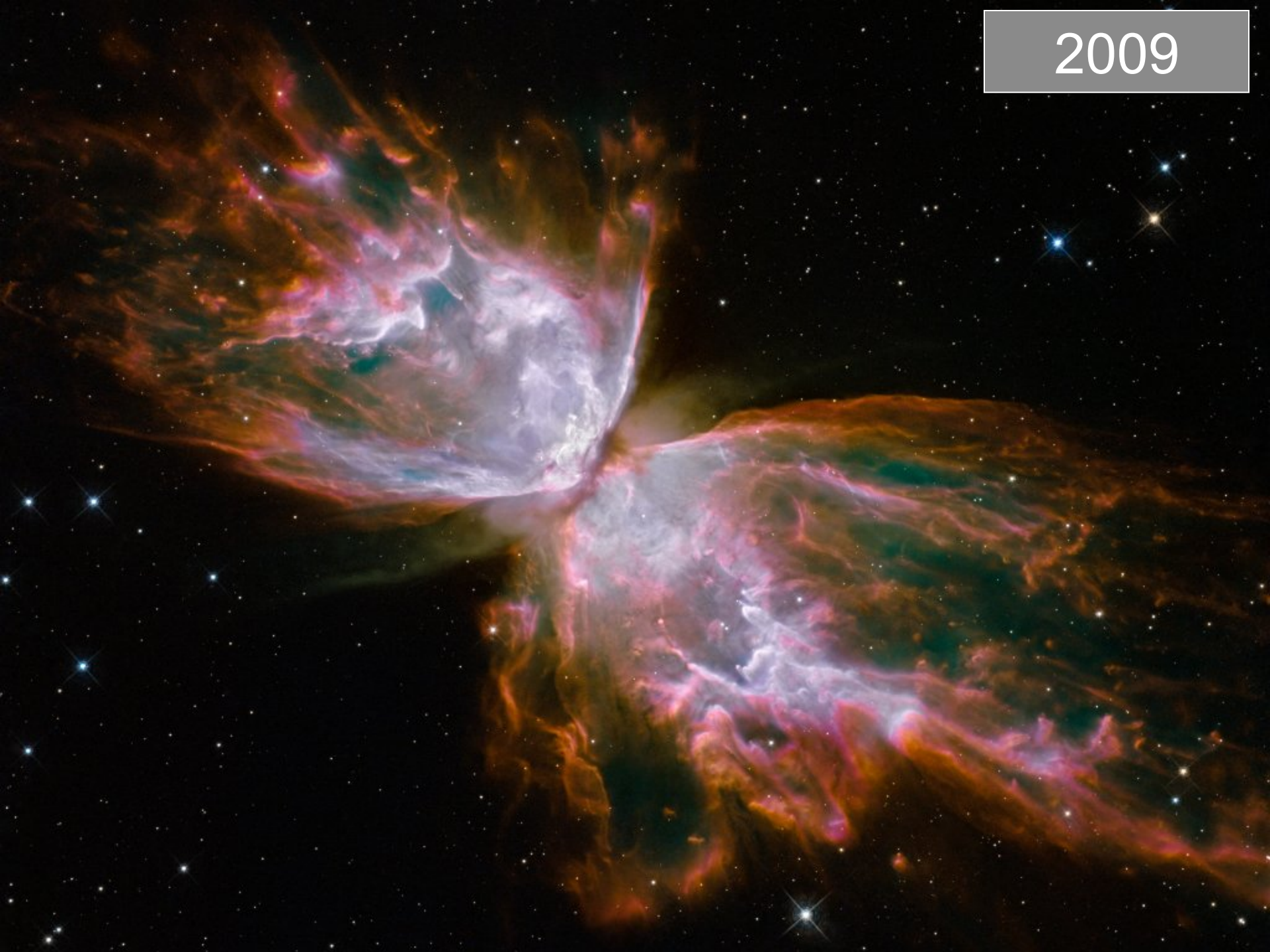








2009



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NARRATED BY LEONARDO DICAPRIO

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LEONARDO DICAPRIO DIRECTOR OF PHOTOGRAPHY JAMES NEUROUSE PRODUCED BY NICKY ERBE AND MARIBETH SOLOMON EDITOR JUDY CARROLL EXECUTIVE PRODUCERS GRAEME FERGUSON PRODUCED BY TONY MYERS

IMAX.COM/HUBBLE

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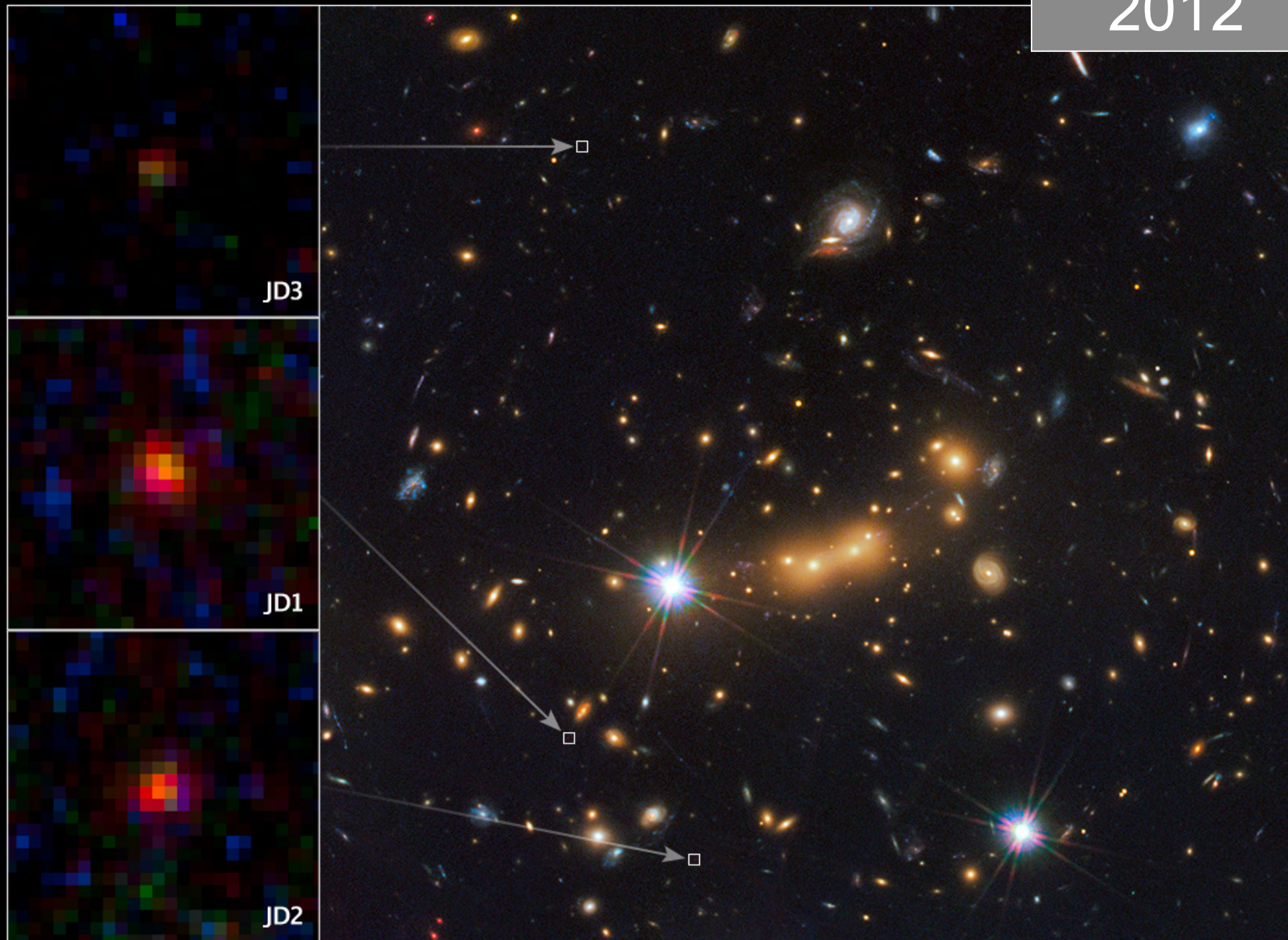


2010



2011

2012



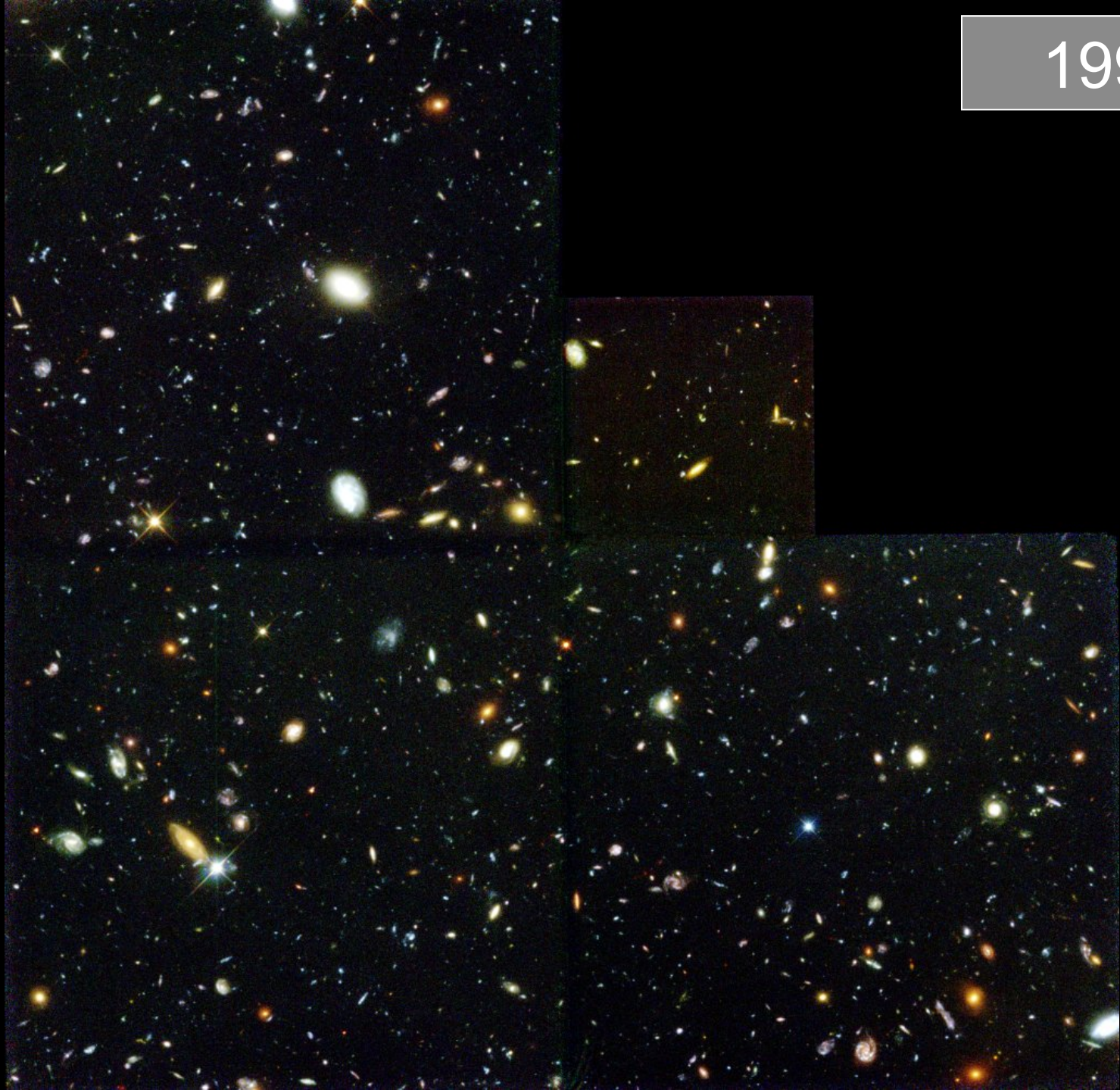


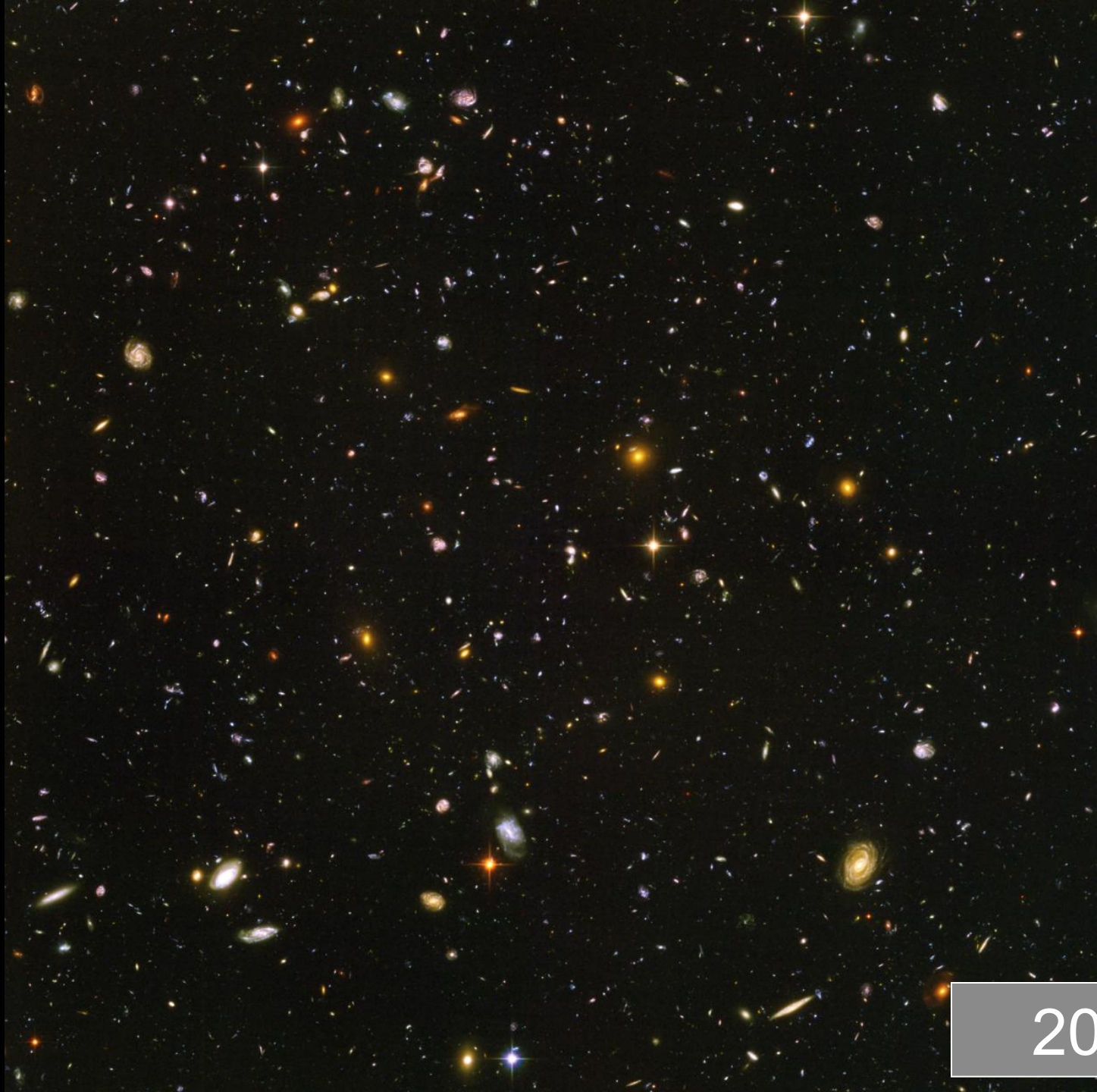
2001



2013

1996





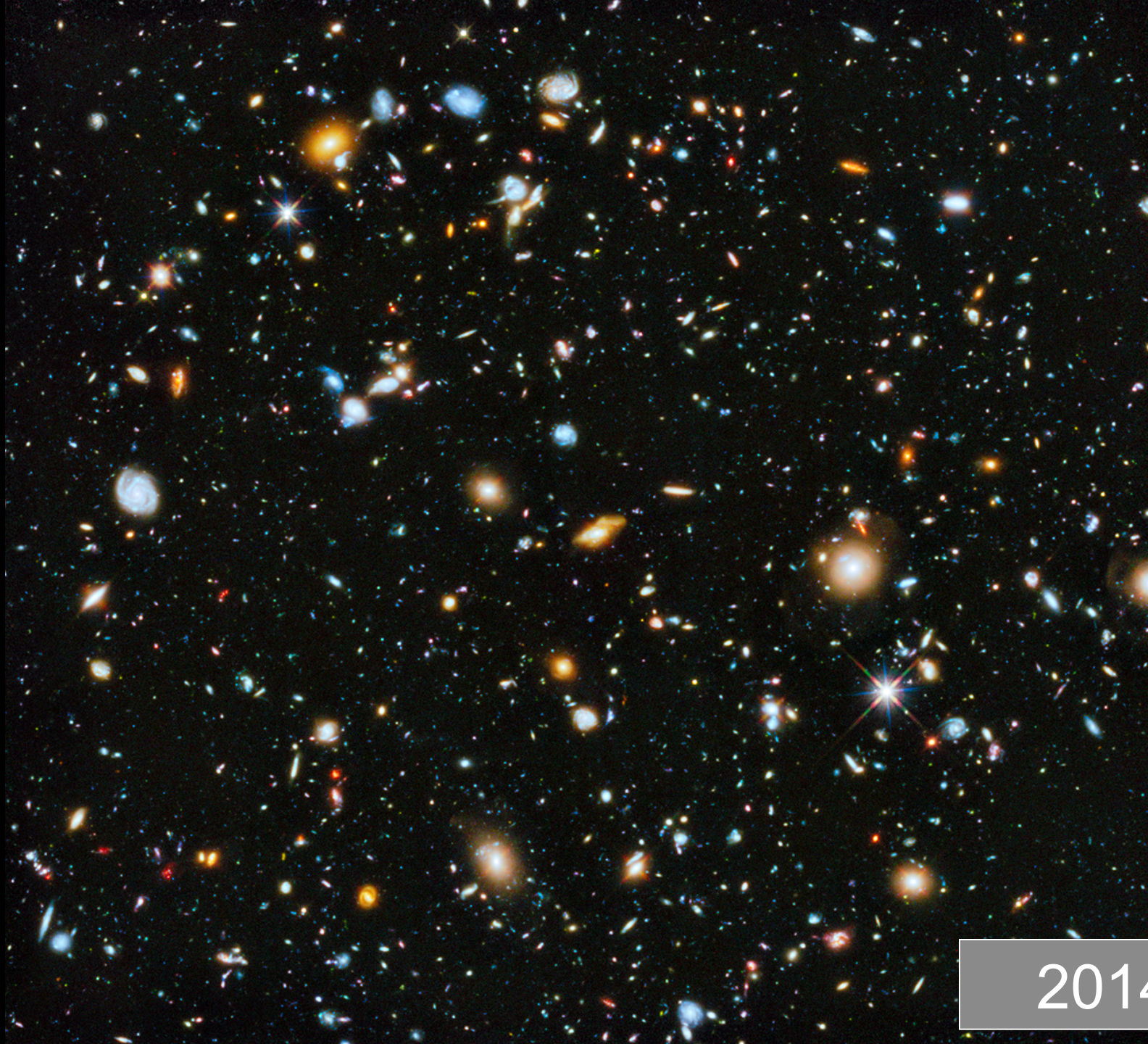
2004



2004



2009



2014

Hubble's 25th Anniversary Year ...

1995

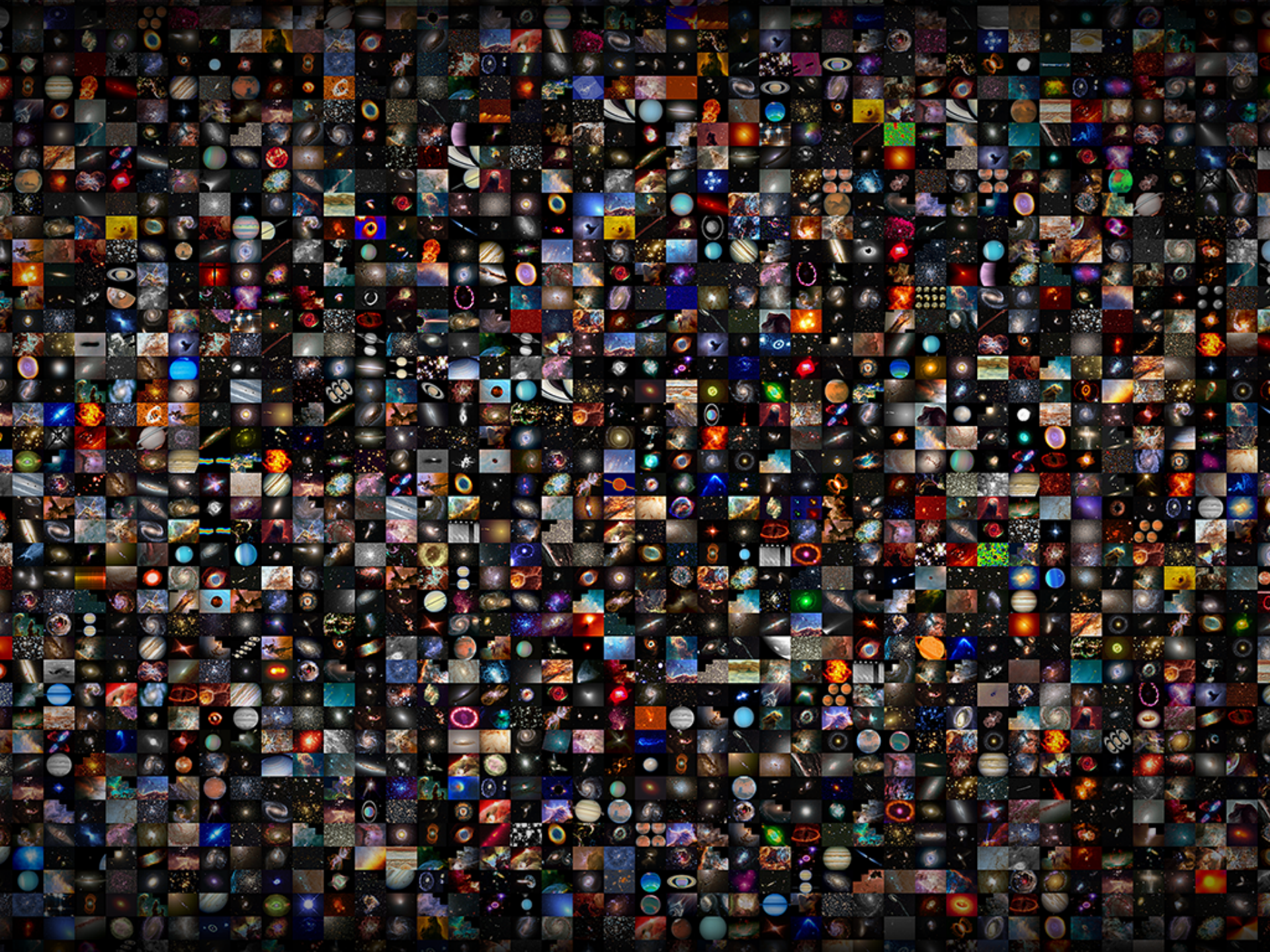


2015



2015





Hubble Space Telescope: Refereed Science Publications

