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JOURNEY INTO SPACE WITH NASA'S HUBBLE AND JAMES WEBB SPACE TELESCOPE INTERACTIVE EXHIBIT AT HISTORY MUSEUM OF MOBILE

MOBILE, ALABAMA – SEPTEMBER 6, 2023 - NASA's *Hubble Space Telescope: New Views of the Universe* exhibit will open on September 29, 2023, at the History Museum of Mobile, sponsored by Thompson Engineering and WKRK.

In this exhibition, visitors will be immersed in the magnificence of the Hubble mission and the awe-inspiring wonders of its discoveries. A scale model of the space telescope is the installation's focal point. Additional stations present activities about how the telescope works and highlight some of the many ways Hubble has helped unlock the mysteries of the universe.

The exhibit features images and observations taken by Hubble of planets, galaxies, black holes, and many other fascinating celestial objects, presented as spectacular backlit color images and video displays. Using a multi-spectral imaging station, visitors can also learn about the different wavelengths of light by viewing objects in ultraviolet, visible, and infrared light.

This 2,000-square-foot exhibit also includes a section devoted to the James Webb Space Telescope. Through videos and displays, visitors will find out how this innovative telescope works. Exhibit visitors will learn about the cutting-edge technology of the Webb telescope, designed to explore the universe in infrared light. With its advanced technology, Webb peers farther back in time than any other spacecraft in existence and helps scientists make many more amazing scientific breakthroughs.

One of the displays will also compare the Hubble and Webb telescopes. One striking difference is the size of the mirrors on the two telescopes. Webb's mirror is much larger than Hubble's, allowing the Webb telescope to explore the infrared universe with excellent resolution. Webb's completed primary mirror will be 6.6 meters (7.2 yards) in diameter, about 2.75 times larger than the Hubble's primary mirror, which is 2.4 meters (2.6 yards) across.

"The exhibit tells the story of the Hubble Space telescope, one of the most successful scientific instruments ever created, and introduces the long awaited, James Webb Space Telescope," said Jennifer Theeck, Interim Director at the History Museum of Mobile. "Since its launch in 1990, Hubble has allowed scientists to peer across billions of light years of space and time and changed our fundamental understanding of the universe. Visitors to the exhibition will see gorgeous images of planets, galaxies, stars, and other celestial objects. The interactive exhibition features a scale model of the Hubble Space Telescope, several hands-on activity stations, and even tools that were used on Hubble service

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missions. We are honored to host this NASA exhibition and to be able to share the history and science of this telescope with our community.”

The Hubble traveling exhibit was developed by the Space Telescope Science Institute and the Smithsonian Institution Traveling Exhibition Service (SITES). This major, 2,000-square-foot traveling exhibition is made available from the Hubble Project Office at NASA's Goddard Space Flight Center.

The exhibit will be on view until January 7, 2024. History Museum of Mobile is open Monday – Saturday from 9:00 AM – 5:00 PM and Sunday from 1:00 PM – 5:00 PM. Admission rates for History Museum of Mobile are: Adults - \$14.00; Seniors (65+) - \$12.00; Active/Retired Military (w/ ID) - \$12.00; Students (18+ w/ID) - \$12.00; Children (13-18) - \$10.50; Children (6-12) - \$8.00; Children (5 and under) – FREE; Members – FREE.

A Hubble press kit is available here: <https://www.historymuseumofmobile.com/press-kit/>

About the History Museum of Mobile:

The History Museum of Mobile is where Mobile’s story begins. Over 117,000 objects weave together the rich histories of Mobile and the surrounding area, from the prehistoric past to the present. Located in the heart of downtown, the History Museum of Mobile operates four campuses: The primary exhibitions are located in the Old City Hall-Southern Market building at 111 South Royal Street; Colonial Fort Condé is at 150 South Royal Street; Africatown Heritage House is at 2465 Winbush Street; and the Phoenix Fire Museum is at 203 South Claiborne Street. For more information, visit:

<https://www.historymuseumofmobile.com/>

About NASA:

For more information on the Traveling Exhibit, visit: <http://nasa.gov/content/the-hubble-traveling-exhibit>

For more information about the James Webb Space Telescope, visit: <http://jwst.gsfc.nasa.gov>

For more information about the Hubble Space Telescope, visit: <http://hubble.nasa.gov>

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