

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object NASA Group Achievement Award to the Navigation and Trajectory Design Team, 2010
Object Description May 2010 NASA Group Achievement Award for the Lunar Crater Observation and Sensing Satellite (LCROSS) Navigation and Trajectory Design Team for its work providing navigation and trajectory design support to the mission. Signed by Charles Bolden. Paper certificate bears a foil seal. It is framed and mounted on a wooden plaque. (Plaque is pressboard covered with a simulated wood grain veneer material that appears to be made of plastic or vinyl).

Artifact No. 001
Image



Additional images in photographs directory.

No. of Pieces 1
Dimensions 18"w x 15"h x .75"d
 Dimensions Include Frame.
Condition Excellent
Date of Object 201005
Type of Object Award
Creator NASA
Creator ID Corporate body
Commissioning Org. NASA

Caption

NASA Photo Cat. No.
NASA Property No.
Where Made
Materials Wood, plastic, paper, ink, foil
Key Words NASA Group Achievement Award, LCROSS

Additional Notes Artifact label was painted on the back of the frame in March 2011. The clear lacquer used as a base and overcoat is Acrylic gloss medium in water. The white paint is golden white fluid acrylics, a rutile titanium dioxide-based paint without dyes. Acetone will remove it.

Originally processed as ART1387.621

Provenance Office of the Director of Programs and Projects, Project Management Division (Code PX)
Acquisition No. 009-2011
Storage Location **Box No.**
Date Entered 3/23/2011
Preservation/Conservation Issues

Hi Res. Image on File **Housing** Framed
Loan Status Item on loan **Tracking Id.** ARC2011001

Collection Name LCROSS Collection

Collection No. AFS80005_LCROSS

Object Space Foundation 2010 John L. "Jack" Swigert Jr. Award for Space Exploration

Object Description Award presented to the LCROSS mission team from the Space Foundation. The object consists of a small statue of astronaut John L. Swigert Jr. cast in bronze with enamel on a bronze square decorated with the infinity symbol holding the moon and earth and signed by Mark Lundeen and G. W. Lundeen. The wooden base bears a plaque with the Space Foundation logo and the following inscription:
"2010 John L. "Jack" Swigert Jr.
Award for Space Exploration
LCROSS Mission Team
NASA Ames, Northrop Grumman,
United Launch Alliance"

Artifact No. 003

Image



Additional images in photographs directory.

Caption

No. of Pieces 1

Dimensions 6"w x 6"d x 12.5"h

Dimensions Include Frame.

Condition

Date of Object 2010

Type of Object

Creator Mark Lundeen and George W. Lundeen

Creator ID

Commissioning Org. Space Foundation

NASA Photo Cat. No. ACD11-0072-001

NASA Property No.

Where Made

Materials Bronze, brass, wood, aluminum, felt

Key Words LCROSS, John L. "Jack" Swigert Jr., Space Foundation, Northrop Grumman, United Launch Alliance

Provenance Office of the Director of Programs and Projects, Project Management Division (Code PX)

Acquisition No. 010-2011

Storage Location

Box No.

Date Entered 5/11/2011

Preservation/Conservation Issues Plaque with inscription appears to be glued. When the adhesive becomes desiccated, it will probably fall off.

Hi Res. Image on File Housing Framed

Loan Status Item on loan Tracking Id. ARC2012002

Additional Notes Artifact label was painted on the underside of the base in May 2011. The clear lacquer used as a base and overcoat is Acryloid B-72 in acetone. The black paint is golden black fluid acrylics, a carbon-based paint without dyes. Acetone will remove it.

Description of the award from the National Space Symposium Web site, accessed at <http://2011.nationalspacesymposium.org/about/awards/john-l-jack-swigert-jr-award-space-exploration> on May 12, 2011
"The Space Foundation was founded in 1983, in part to honor the memory and accomplishments of astronaut John L. 'Jack' Swigert, Jr. A Colorado native, Swigert served with retired U.S. Navy Captain James A. Lovell, Jr., and Fred Haise on the legendary Apollo 13 lunar mission, which was aborted after the perilous rupture of an oxygen tank en route to the moon. People around the world watched as NASA overcame tremendous odds to return the crew safely to Earth. The Space Foundation created the Jack Swigert Award for Space Exploration in 2004 in tribute to his enduring legacy of space exploration. The Jack Swigert Award is presented annually at the National Space Symposium."

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object Popular Mechanics Breakthrough Awards 2010

Artifact No. 004
Image



Additional images in photographs directory.

Caption

Object Description Breakthrough innovator award presented to Ames and Northrop Grumman from Popular Mechanics magazine for the LCROSS mission. The brushed aluminum pillar bears the following inscription in grey, red, and black lettering:
"Popular Mechanics
Breakthrough
Awards 2010
Daniel Andrews
Anthony Colaprete
NASA's Ames Research Center
Stephen L. Carman
Craig Elder
Northrop Grumman"

No. of Pieces 1

Dimensions 3.5"w x 1.5"d x 12"h

Dimensions Include Frame.

Condition Excellent

Date of Object 2010

Type of Object Award

Creator Visions Awards

Creator ID Corporate body

Commissioning Org. Popular Mechanics magazine

NASA Photo Cat. No. ACD11-0072-002

NASA Property No.

Where Made China

Materials Brushed aluminum and felt

Key Words LCROSS, Popular Mechanics magazine, Daniel Andrews, Anthony Colaprete, Stephen L. Carman, Craig Elder, Northrop Grumman

Provenance Office of the Director of Programs and Projects, Project Management Division (Code PX)

Acquisition No. 011-2011

Storage Location

Box No.

Date Entered 5/11/2011

**Preservation/
Conservation Issues**

Hi Res. Image on File

Housing Framed

Loan Status Item on loan **Tracking Id.** ARC2012002

Additional Notes Excerpt from Popular Mechanics Web site accessed at <http://www.popularmechanics.com/science/space/moon-mars/nasas-explosive-findings-on-moon> on May 12, 2011.
"It's hard to decide what's more impressive: the confirmation of water ice on the moon, or the scrappy way that a team of scientists and engineers pulled off the mission--by slamming 2 tons of equipment otherwise destined to become space junk into the moon's south pole and then analyzing the dust plume it kicked up.

Yet the Lunar Crater Observation and Sensing Satellite, or LCROSS, mission began as an afterthought. When the leaders of NASA's \$491 million Lunar Reconnaissance Orbiter (LRO) found themselves with an extra 1000 kilograms of payload capacity, they sent out a call for shoestring proposals for a companion mission. Led by principal investigator Anthony Colaprete, a team from NASA's Ames Research Center proposed using the Atlas V launch rocket's empty upper fuel stage to impact the moon. Northrop Grumman would turn the rocket's hot-tub-size payload ring into a makeshift spacecraft that would trail in the stage's path, gathering data via instruments bolted to its six satellite ports.

The team came in under its \$80 million budget—and the mission was a headline-screaming success. Essentially, says Colaprete, "we reached out and touched the water." The spacecraft calculated a 4 percent moisture concentration in the plume, double that of the Sahara. "We take that for granted here on Earth, but 1 to 2 percent water on the moon or an asteroid is potentially a lifeline," he says. "From an exploration standpoint, we realize there are a wealth of resources that we can take advantage of. Suddenly, the moon is a more interesting and active place."

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object National Space Society 2010 Space Pioneer Award for Science and Engineering
Object Description Award presented to the LCROSS mission team from the National Space Society. The object consists of a cast metal (nickel or aluminum?) representation of Earth's moon held by three brass prongs atop a wood and marble base. The following citation is printed in black letters on a brass plaque screwed onto the wooden base:
 "2010 Space Pioneer Award
 For Science & Engineering
 Presented by
 The National Space Society to the
 Ames LCROSS Mission Team
 at the 29th International
 Space Development Conference
 Chicago, Illinois, May 27-31, 2010"

Artifact No. 002
Image



Additional images in photographs directory.

Caption

No. of Pieces 2
Dimensions 5.5"w x 5.5"d x 10.5"h
 Dimensions Include Frame.
Condition
Date of Object 2010
Type of Object
Creator Michael Hall's Studio Foundry
Creator ID
Commissioning Org. National Space Society

Additional Notes The surface of the moon model is scratched in several places.

NASA Photo Cat. No. ACD11-0072-005
NASA Property No.
Where Made Driftwood, Texas
Materials Wood, brass, aluminum or nickel?, marble, rubber
Key Words LCROSS, National Space Society, International Space Development Conference

Artifact label was painted on the underside of the base in May 2011. The clear lacquer used as a base and overcoat is Acryloid B-72 in acetone. The white paint is golden white fluid acrylics, a rutile titanium dioxide-based paint without dyes. Acetone will remove it.

Description of the award from the National Space Society Web site, accessed at http://www.nss.org/awards/space_pioneer_awards.html on May 12, 2011
 "The annual Space Pioneer awards recognize those individuals and teams whose accomplishments have helped to open the space frontier. The awards are divided into thirteen categories. The intent is to recognize those who have made significant contributions in different fields of endeavor to "develop a spacefaring civilization that will establish communities beyond the Earth."

Provenance Office of the Director of Programs and Projects, Project Management Division (Code PX)
Acquisition No. 010-2011
Storage Location **Box No.**
Date Entered 5/11/2011
Preservation/Conservation Issues

The usual number of Space Pioneer awards per year is three, so not every category is awarded each year. The 13 Space Pioneer Award categories are:

- * Business/Corporate
- * Business/Entrepreneur
- * Compelling Art
- * Educator/Education
- * Government Service (Non-legislative)
- * Government Service (Legislative)
- * Mass Media
- * Public Awareness
- * Scientist/Engineer
- * Service to the Space Community
- * Space Development
- * Special Merit
- * Wide Media."

Hi Res. Image on File **Housing** Framed
Loan Status Item on loan **Tracking Id.** ARC2012002

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object NASA Systems Engineering Excellence Award, 2010
Object Description NASA Systems Engineering Excellence Award, conferred February 2010.

Official citation (does not appear on the award):
National Aeronautics and Space Administration
Presents the
NASA Systems Engineering Excellence Award to
"name of individual on list"
In recognition of your outstanding contributions to
Systems Engineering.
Signed by the NASA Chief Engineer, Mike
Ryschewitsch, Office of the Chief Engineer

Artifact No. 005
Image



Additional images in photographs directory.

No. of Pieces 5
Dimensions 4" diam.
 Dimensions Include Frame.
Condition
Date of Object 2010
Type of Object
Creator unidentified
Creator ID
Commissioning Org. NASA

NASA Photo Cat. No. ACD11-0082-003 and ACD11-0082-004

NASA Property No.

Where Made unidentified

Materials Wood, nickel? enamel, brass, felt

Key Words LCROSS, Systems Engineering

Provenance Office of the Director of Engineering, Engineering Systems Division (Code RE)

Acquisition No. 013-2011

Storage Location RR-C1

Box No. LCROSS

Date Entered 9/27/2011

ART-1

Preservation/Conservation Issues

Hi Res. Image on File

Housing Framed

Loan Status Item on loan **Tracking Id.** ARC2018001

Caption

Additional Notes LCROSS systems engineers nominated for the OCE Systems Engineering Award:

From ARC:
Robert Barber
Darin Foreman
Leonid Osetinsky
Mark Shirley
Matt D'Ortenzio
James Strong
Jason Otoshi

From Northrop Grumman:
Jose Cabanillas
Eric Drucker
Craig Elder
Leo Matuszak
James Munger
Emory Stagmer
James Wehner
Howard Eller

Pieces include medallion, wooden medallion holder, wooden case, and felt bag

Dimensions are of the medallion.

Box counted as 1 piece.

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object Craterade LCROSS Impact Ale

Artifact No. 006
Image



Additional images in photographs directory.

Caption

Additional Notes The Impact ale was the second batch of LCROSS beer made by Brown. The first batch was called a Launch Ale.

Label printed on an ink jet printer.

Object Description Bottle and cap of the beer brewed by LCROSS team member Jeff Brown. The bottle label features an artist's rendering of the spacecraft and Centaur separation above the moon, with the title "Craterade LCROSS Impact Ale," date, maker, and slogan "It's the water..."

Beer label designed by LCROSS Contracting Officer Jeffrey S. Brown.

No. of Pieces 2
Dimensions 11"h x 9.25"circ.

Dimensions Include Frame.

Condition
Date of Object 2009
Type of Object
Creator Brown, Jeffrey S., Mountain Mutt Brewery
Creator ID

Commissioning Org.

NASA Photo Cat. No. ACD11-0082-001

NASA Property No.

Where Made Dublin, Calif.

Materials Glass, paper, aluminum?

Key Words LCROSS, Ale, Beer

Provenance Office of the Director of Programs and Projects, Project Management Division (Code PX)

Acquisition No. 010-2011

Storage Location RR-C1

Box No. LCROSS

Date Entered 9/27/2011

ART-1

Preservation/Conservation Issues

Hi Res. Image on File Housing Framed

Loan Status Item on loan Tracking Id.

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object NASA Ames Honor Award to the LCROSS Project Team, 2009

Artifact No. 007
Image

Object Description Framed paper NASA Ames Honor Award certificate presented to the LCROSS Project Team for excellence in the category of Group/Team. Signed by Ames Center Director S. Pete Worden. Dated October 14, 2009. An Ames Honor Awards program is included.



Additional images in photographs directory.

No. of Pieces 2
Dimensions 18"w x 15"h
 Dimensions Include Frame.
Condition
Date of Object 20091014
Type of Object
Creator NASA Ames Research Center
Creator ID
Commissioning Org. NASA Ames Research Center

Caption

NASA Photo Cat. No.

NASA Property No.

Where Made

Materials Wood, plastic, paper, ink

Key Words Ames Honor Award, LCROSS

Provenance Office of the Director of Programs and Projects,
Project Management Division (Code PX)

Acquisition No. 011-2011

Storage Location HB-2C

Box No. LCROSS

Date Entered 9/27/2011

ART-2

Preservation/
Conservation Issues

Hi Res. Image on File Housing Framed

Loan Status Item on loan Tracking Id.

Additional Notes Framed award and program each counted as one piece.

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object NASA Group Achievement Award to the LCROSS Project Team, 2009
Object Description Framed paper NASA Group Achievement Award certificate conferred on the LCROSS Project Team for successful implementation of the pathfinder Ames Class D flight mission. Signed by acting NASA administrator Christopher J. Scolese. Dated April 16, 2009. A sheet of paper with award details is included.

Artifact No. 008

Image



Additional images in photographs directory.

No. of Pieces 2
Dimensions 18"w x 15"h
 Dimensions Include Frame.
Condition
Date of Object 20090416
Type of Object
Creator NASA
Creator ID
Commissioning Org. NASA

Caption

Additional Notes Framed award and paper with award details are each counted as one piece.

NASA Photo Cat. No.
NASA Property No.
Where Made
Materials Wood, plastic, paper, ink
Key Words NASA Group Achievement Award, LCROSS
Provenance Office of the Director of Programs and Projects, Project Management Division (Code PX)
Acquisition No. 011-2011
Storage Location **Box No.** LCROSS
Date Entered 9/27/2011 **ART-3**
Preservation/Conservation Issues

Hi Res. Image on File **Housing** Framed

Loan Status Item on loan **Tracking Id.**

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object Git-R-Done Baseball Cap

Artifact No. 009
Image



Additional images in photographs directory.

Caption

Additional Notes According to LCROSS Project Manager Dan Andrews, the team was given the cap from "a contractor representing 'how we roll' on LCROSS. We just get in there and 'git R done'!"

Object Description Baseball cap. Black canvas with "Git-R-Done" in white embroidered lettering. White piping along the brim.

No. of Pieces 1
Dimensions 8"w x 5.5"h x 12"l
 Dimensions Include Frame.
Condition
Date of Object 200604
Type of Object
Creator City Hunter
Creator ID
Commissioning Org.

NASA Photo Cat. No.

NASA Property No.

Where Made China

Materials Cotton, Polyester

Key Words LCROSS, Baseball cap, hat, Git R Done

Provenance Office of the Director of Programs and Projects,
Project Management Division (Code PX)

Acquisition No. 011-2011

Storage Location RR-C1

Box No. LCROSS

Date Entered 9/27/2011

ART-1

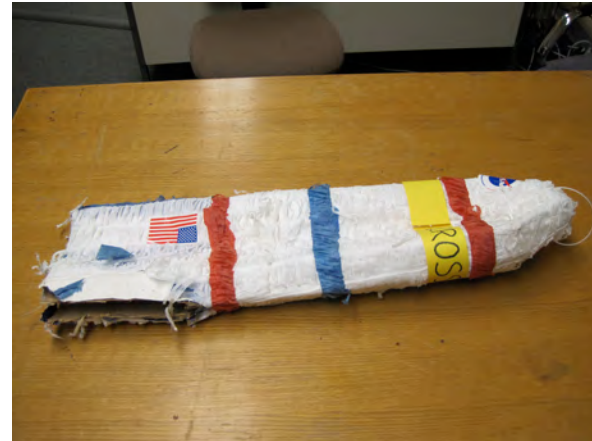
Preservation/
Conservation Issues

Hi Res. Image on File Housing Framed

Loan Status Item on loan Tracking Id.

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object Rocket Pinata

Artifact No. 010
Image



Additional images in photographs directory.

Caption

Object Description Pinata shaped like a rocket. Consists of a cardboard tube covered with red, white, and blue tissue paper with a band of yellow construction paper bearing the name LCROSS handwritten in black marker. A NASA decal is affixed to the nose and a United States flag decal is affixed to the tail. A plastic loop is threaded through the nose.

No. of Pieces 1

Dimensions 20" circ. x 31"l

Dimensions Include Frame.

Condition Fair

Date of Object 200707

Type of Object Ephemera/Commemorative Item

Creator unidentified

Creator ID

Commissioning Org.

Additional Notes Item reshaped and supported with acid-free tissue.

Item was broken open at a party held at the home of LCROSS Project Manager Dan Andrews in July 2007. His wife purchased it and he made the LCROSS label.

NASA Photo Cat. No.

NASA Property No.

Where Made unidentified

Materials tissue paper, construction paper, cardboard, decals, plastic

Key Words pinata, piñata, rocket, LCROSS

Provenance Office of the Director of Programs and Projects,
Project Management Division (Code PX)

Acquisition No. 011-2011

Storage Location RR-D1

Box No. LCROSS

Date Entered 9/27/2011

ART-4

Preservation/
Conservation Issues

Hi Res. Image on File

Housing Framed

Loan Status Item on loan Tracking Id.

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object LCROSS Spacecraft Model

Artifact No. 011
Image

Object Description Rough wooden model of the LCROSS spacecraft perched on a plastic post above a wooden base with the raised letters LCROSS. Spacecraft painted silver, gold, and black. Base painted black.



Additional images in photographs directory.

No. of Pieces 3
Dimensions 4" diam. x 4.5" h
 Dimensions Include Frame.
Condition
Date of Object 2009~
Type of Object
Creator unidentified
Creator ID
Commissioning Org.

Caption

Additional Notes

NASA Photo Cat. No.

NASA Property No.

Where Made unidentified

Materials wood, plastic

Key Words spacecraft, LCROSS

Provenance Office of the Director of Programs and Projects,
Project Management Division (Code PX)

Acquisition No. 011-2011

Storage Location RR-C1

Box No. LCROSS

Date Entered 9/27/2011

ART-1

Preservation/
Conservation Issues

Hi Res. Image on File Housing Framed

Loan Status Item on loan Tracking Id.

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object LCROSS/Northrop Grumman Beverage Bottle Insulator
Object Description Foam beverage bottle insulator. Pictured on the item is a gold spacecraft against the background of a dark, starry sky. The letters LCROSS are in blue over the spacecraft. The Northrop Grumman logo is in blue and "Lunar Crater Observation and Sensing Satellite" is in white lettering.

Artifact No. 012
Image



Additional images in photographs directory.

No. of Pieces 1
Dimensions 2.75" diam. x 4"h
 Dimensions Include Frame.
Condition
Date of Object 2009~
Type of Object
Creator unidentified
Creator ID
Commissioning Org.

Caption

NASA Photo Cat. No.

NASA Property No.

Where Made unidentified

Materials

Key Words LCROSS, Northrop Grumman

Additional Notes

Provenance Office of the Director of Programs and Projects,
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Acquisition No. 011-2011

Storage Location RR-C1

Box No. LCROSS

Date Entered 9/27/2011

ART-1

**Preservation/
Conservation Issues**

Hi Res. Image on File **Housing** Framed

Loan Status Item on loan **Tracking Id.**

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object LCROSS/Northrop Grumman Water Bottle

Artifact No. 013
Image



Additional images in photographs directory.

Caption

Additional Notes Water emptied from bottle.

Object Description Plastic water bottle with cap. The LCROSS logo, Northrop Grumman logo, image of the spacecraft and lunar impact, and the slogan "Got Water?" are pictured on the bottle label.

No. of Pieces 2
Dimensions 8" circ. x 8.5"h
 Dimensions Include Frame.
Condition
Date of Object 2009~
Type of Object
Creator IWantMyH20.com
Creator ID
Commissioning Org.

NASA Photo Cat. No.

NASA Property No.

Where Made unidentified

Materials plastic

Key Words LCROSS, got water? Northrop Grumman

Provenance Office of the Director of Programs and Projects,
Project Management Division (Code PX)

Acquisition No. 011-2011

Storage Location RR-C1

Box No. LCROSS

Date Entered 9/27/2011

ART-1

Preservation/
Conservation Issues

Hi Res. Image on File Housing Framed

Loan Status Item on loan Tracking Id.

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object LCROSS and LRO Mission Patches and Pins

Artifact No. 014
Image

Object Description Patches:
NASA Atlas LRO LCROSS mission patch
LRO LCROSS "Crash Course in Hydrology" ULA,
45SW, NASA mission patch
NASA Ames Research Center Northrop Grumman
LCROSS 2009 mission patch (2 copies)

Pins:
NASA Atlas LRO LCROSS mission pin attached to
informational card about the spacecraft (2 copies)
LCROSS mission pin (2 copies)
LCROSS Got Water? mission pin (2 copies)



Additional images in photographs directory.

No. of Pieces 12

Dimensions

Dimensions Include Frame.

Condition Excellent

Date of Object 2009~

Type of Object Ephemera/Commemorative Item

Creator unidentified

Creator ID Corporate body

Commissioning Org.

NASA Photo Cat. No.

NASA Property No.

Where Made China

Materials fabric, metal

Key Words LCROSS, LRO, Atlas, Northrop Grumman,
patch, pin

Provenance Office of the Director of Programs and Projects,
Project Management Division (Code PX)

Acquisition No. 011-2011

Storage Location RR-C1

Box No. LCROSS

Date Entered 9/27/2011

ART-1

Preservation/
Conservation Issues

Hi Res. Image on File Housing Framed

Loan Status Item on loan Tracking Id.

Caption

Additional
Notes

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object LCROSS/LRO Bracelet

Artifact No. 015
Image

Object Description Purple plastic or rubber bracelet with the following embossed on the exterior:
LCROSS/LRO
Space Settlement



Additional images in photographs directory.

No. of Pieces 1
Dimensions

Dimensions Include Frame.

Condition
Date of Object 2009~
Type of Object
Creator unidentified
Creator ID
Commissioning Org.

Caption

Additional Notes

NASA Photo Cat. No.

NASA Property No.

Where Made China

Materials plastic? rubber?

Key Words LCROSS, space settlement, bracelet

Provenance Office of the Director of Programs and Projects,
Project Management Division (Code PX)

Acquisition No. 011-2011

Storage Location RR-C1

Box No. LCROSS

Date Entered 9/27/2011

ART-1

Preservation/
Conservation Issues

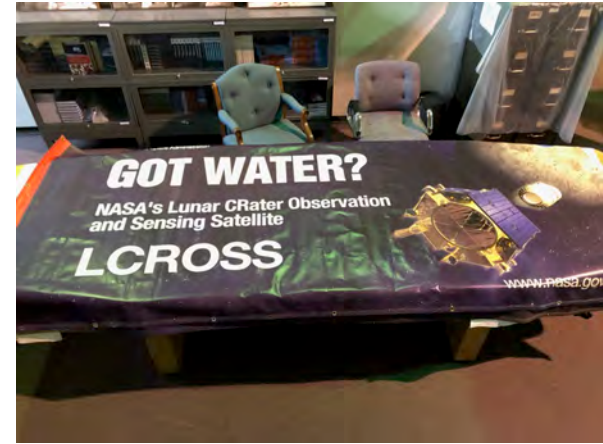
Hi Res. Image on File Housing Framed

Loan Status Item on loan Tracking Id.

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object Banner: Got Water?

Artifact No. 016
Image

Object Description Oversized banner bearing the LCROSS slogan, "Got Water?"



Additional images in photographs directory.

Caption

No. of Pieces 1
Dimensions 132"w x 58"h
 Dimensions Include Frame.
Condition
Date of Object 2009~
Type of Object
Creator unidentified
Creator ID
Commissioning Org.

Additional Notes LCROSS slogan was a spin on "Got Milk?" slogan for the popular American advertising campaign for milk.

NASA Photo Cat. No.

NASA Property No.

Where Made

Materials Vinyl, brass

Key Words LCROSS, got water?

Provenance Office of the Director of Programs and Projects,
Project Management Division (Code PX)

Acquisition No. 016-2013

Storage Location HB-3A

Box No. ART-6

Date Entered 6/27/2019

Preservation/
Conservation Issues

Hi Res. Image on File Housing Framed

Loan Status Item on loan Tracking Id.

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object Banner: Got Water!

Artifact No. 017
Image

Object Description Oversized banner bearing a modification the LCROSS slogan, "Got Water?" from a question to a declaration. The change to "Got Water!" signaled the success of the mission.



Additional images in photographs directory.

Caption

No. of Pieces 1
Dimensions 132"w x 58"h
 Dimensions Include Frame.
Condition
Date of Object 2009~
Type of Object
Creator unidentified
Creator ID
Commissioning Org.

Additional Notes

NASA Photo Cat. No.

NASA Property No.

Where Made

Materials Vinyl, brass

Key Words LCROSS, got water?

Provenance Office of the Director of Programs and Projects,
Project Management Division (Code PX)

Acquisition No. 021-2019

Storage Location HB-3A

Box No. ART-6

Date Entered 6/27/2019

Preservation/
Conservation Issues

Hi Res. Image on File Housing Framed

Loan Status Item on loan Tracking Id.

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object Banner: Congratulations LCROSS Team on Winning the LRO Secondary Payload! (signed)
Object Description Oversized yellow vinyl banner on which the following message appears:
"Congratulations Lunar Crater Observation & Sensing Satellite (LCROSS) Team on Winning the LRO SECONDARY PAYLOAD!"

The banner is signed by LCROSS team members. Attached to the lower left-hand corner (facing the item) is a photograph of a Space.com piece showing LCROSS as number ten in the top ten moon crashes. Lunar Prospector also shown.

Artifact No. 018

Image



Additional images in photographs directory.

Caption

No. of Pieces 1
Dimensions 121"w x 46"h
 Dimensions Include Frame.
Condition
Date of Object 2009~
Type of Object
Creator unidentified
Creator ID
Commissioning Org.

NASA Photo Cat. No. ACD11-0072-007

NASA Property No.

Where Made

Materials Vinyl, brass

Key Words LCROSS, LRO secondary payload

Provenance Office of the Director of Programs and Projects, Project Management Division (Code PX)

Acquisition No. 011-2011

Storage Location HB-3A

Box No. ART-5

Date Entered 6/27/2019

Preservation/Conservation Issues

Hi Res. Image on File Housing Framed

Loan Status Item on loan Tracking Id.

Additional Notes See also NASA photo ACD11-0072-007 (filed with this collection) which shows this banner hanging in the LCROSS project space in Building N240A with the Git-R-Done baseball cap and LCROSS pinata attached to the upper corners, along with a sheet of paper bearing a copy of the mission's key decision point approval attached to the lower right-hand corner.

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object Banner: Banner: Got Water? (signed)

Artifact No. 019

Image



Additional images in photographs directory.

Caption

Additional Notes See also NASA photo ACD11-0072-006 (filed with this collection).

Object Description Large vinyl banner on which the following message appears:
"National Aeronautics and Space Administration
GOT WATER?
NASA's Lunar Crater Observation & Sensing
Satellite
LCROSS
www.nasa.gov/lcross"

The banner is signed by LCROSS team family members.

No. of Pieces 1

Dimensions 122"w x 53"h

Dimensions Include Frame.

Condition Excellent

Date of Object 2009~

Type of Object Ephemera/Commemorative Item

Creator unidentified

Creator ID

Commissioning Org.

NASA Photo Cat. No. ACD11-0072-006.jpg

NASA Property No.

Where Made

Materials Vinyl, brass

Key Words LCROSS, got water?

Provenance Office of the Director of Programs and Projects,
Project Management Division (Code PX)

Acquisition No. 011-2011

Storage Location HB-3A

Box No. ART-5

Date Entered 6/27/2019

Preservation/
Conservation Issues

Hi Res. Image on File Housing Framed

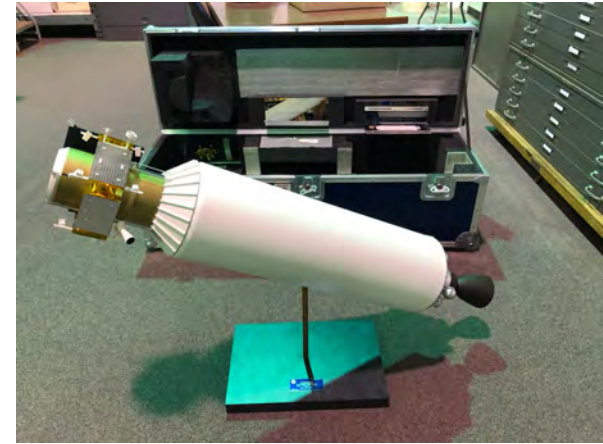
Loan Status Item on loan Tracking Id.

Collection Name LCROSS Collection
Collection No. AFS80005_LCROSS
Object LCROSS Spacecraft Model

Artifact No. 020
Image

Object Description Lunar CRater Observing and Sensing Satellite (LCROSS) display model on a detachable stand with padded shipping case.

The 1/12 scale model includes the LCROSS shepherding spacecraft atop the Atlas V Centaur upper stage rocket. On the final approach to the lunar impact site, the shepherding spacecraft and Centaur upper stage separated. The latter acted as a heavy impactor to kick up a debris plume through which the former flew to collect and send the plume data back to Earth, before impacting the surface and creating another debris plume.



Additional images in photographs directory.

Caption

No. of Pieces 5

Dimensions 50"l x 29" diameter

Dimensions Include Frame.

Condition

Date of Object 2009~

Type of Object

Creator Scale Model Company

Creator ID

Commissioning Org.

NASA Photo Cat. No.

NASA Property No. 2289234

Where Made Hawthorne, Calif.

Materials brass, foil, plastic, wood

Key Words Centaur upper stage booster rocket, Evolved Expendable Launch Vehicle (EELV) Secondary Payload Adapter (ESPA) ring, LCROSS, shepherding spacecraft

Provenance Office of the Director of Programs and Projects, Project Management Division (Code PX)

Acquisition No. 020-2019

Storage Location HB Box No. ART-7

Date Entered 6/27/2019

Preservation/Conservation Issues Two small pieces that are detached and slightly bent need to be repaired. Centaur upper stage needs to be cleaned.

Hi Res. Image on File Housing Framed

Loan Status Item on loan Tracking Id.

Additional Notes NOTE: This is a NASA Artifact

Shipping case counted as one piece. Dimensions are for the spacecraft model. The model stand is ~14"h.

TO AVOID DAMAGING THE MODEL, USE CARE WHEN PACKING AND UNPACKING, ESPECIALLY WHEN CLOSING THE LID. STORE UPRIGHT.