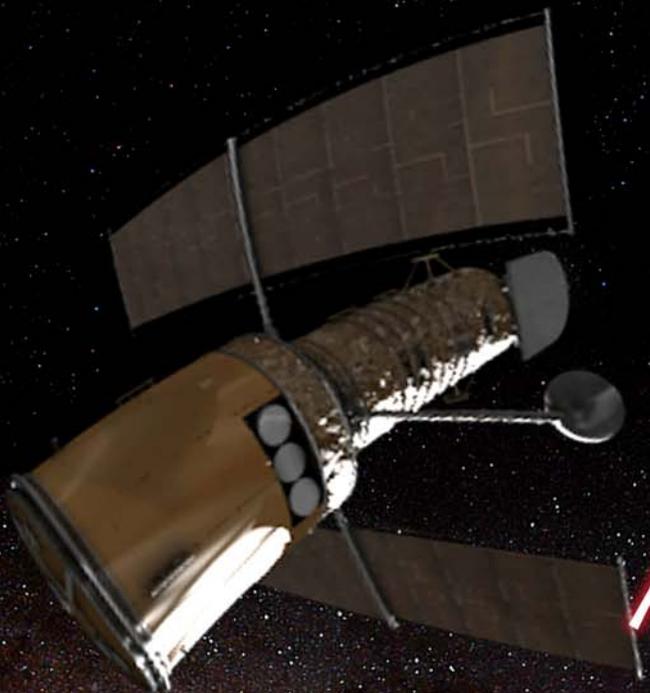




# Fulldome Show Distribution Catalog

April 2023



# ASTRONOMY

3000 YEARS  
OF STARGAZING



# Astronomy: 3000 Years of Stargazing

*Take an historical odyssey to learn about our oldest science!*

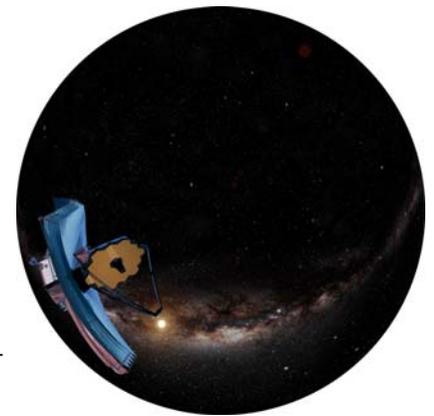
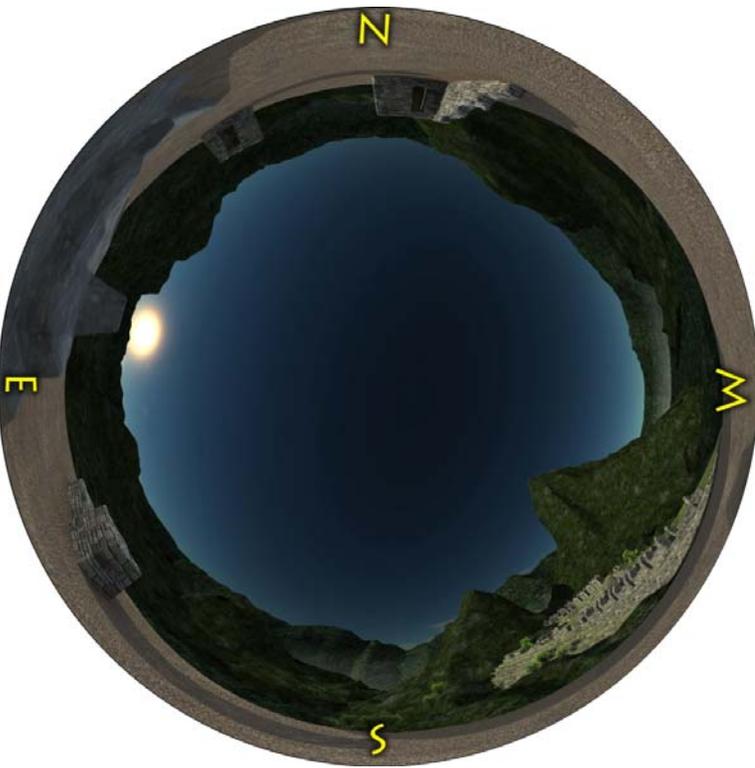
Throughout time, the sky has piqued our curiosity. Eclipses, the regular cycle of the seasons, the rising and setting of the Moon, Sun, and planets, the motion of the stars — all have fascinated mankind since our earliest ancestors first looked up. Monuments constructed across our home planet, from Stonehenge to Machu Picchu, bear witness to humanity's ancient fascination with the stars.

With occasional observations from a learned cartoon astronomer, "Alvin Astro", we retrace the milestones of

cosmic discovery in this engaging history of astronomy. Rediscover the major astronomical theories of the last 3,000 years — from the cosmological models of antiquity and the Ptolemaic system of epicycles — to the contributions of Copernicus, Galileo, Kepler, Newton, Herschel and Hubble.

From Galileo's telescope to modern instruments used on Earth and in space, see how cutting-edge technology reveals a multi-wavelength universe of planets, star birth regions, nebulae, pulsars, black holes and galaxies.

Take your audiences on an historical odyssey, to uncover the many accomplishments humans have made as we seek to understand the cosmos!



**Astronomy: 3000 Years of Stargazing** combines the videography and animation created by Albedo FullDome of Barcelona (who originally produced the show in 2009) with the soundtrack expertise of Loch Ness Productions.

Our version features a revised script and narration by Carolyn Collins Petersen, plus music from the vast resources of the original and popular planetarium space music library created by Mark C. Petersen. Mark also provides the voice of Alvin Astro.

Running time: **33:33**  
 Suitable for: **General public**  
 Information about: **History of astronomy**  
 Year of production: **2010, 2020**

**PRICES INCLUDE** encoding/formatting and slicing for most fulldome systems. Contact us for details.

<b>Astronomy: 3000 Years of Stargazing, 20-year license</b>			
<b>A3Y-FS</b>	<b>SMALL/MEDIUM</b>	single channel, smaller than 2000 pixels	<b>\$2395</b>
<b>A3Y-FL</b>	<b>LARGE/X-LARGE</b>	single channel, larger than 2000 pixels	<b>\$3795</b>
<b>A3Y-FG</b>	<b>SLICED</b>	multiple channels, pre-sliced	<b>\$4995</b>



**LOCH NESS PRODUCTIONS P. O. BOX 924 NEDERLAND, COLORADO 80466 USA**  
**Phone: +1 303 642 7250 Toll-free: 1-888-4-NESSIE**  
**Email: info@lochnessproductions.com Web site: www.lochnessproductions.com**

Revised 25 March 2023



# THE BIRTH OF THE SOLAR SYSTEM



LOCH NESS PRODUCTIONS

# The Birth of the Solar System

**Witness the dramatic collisions that shaped the planets and moons!**

How did our solar system originate? What chain of events led to its creation?

Just as detectives look for traces of evidence to solve a mystery, astronomers analyze the evidence that points to the formation of the Sun and planets. In particular, they study the influence that impacts and collisions had on the worlds of the solar system. The most dramatic

evidence for this collisional history of solar system evolution are the impact craters found on almost all the bodies in the solar system, including Earth. These surface scars tell us the formation history of planets, moons, and rings was violent. Yet today, we live in a relatively stable solar system, made possible by the shattering collisions that shaped our worlds.

This program gives us a unique look at the formation of the solar system by tracing the role that collisions played throughout its history. Beginning with the condensation of the initial cloud of gas and cosmic dust, we explore the history of planetary formation and the mechanism of accretion that played an important role in shaping the worlds of the solar system.



*The Birth of the Solar System* combines the videography and animation created by Albedo Fulldome of Barcelona (who originally produced the show in 2008) with the soundtrack expertise of Loch Ness Productions.

Our version features a revised script by Carolyn Collins Petersen, plus music from the vast resources of the original and popular planetarium space music library created by Mark C. Petersen. Mark is also the show's narrator, and produced the soundtrack.

Running time: **21:12**  
 Suitable for: **General public**  
 Information about: **Astronomy, Solar System**  
 Year of production: **2008, LNP version 2010**

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.

## The Birth of the Solar System, 20-year license

BSS-FS	SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$2395
BSS-FL	LARGE/X-LARGE	single channel, larger than 2000 pixels	\$3795
BSS-FG	SLICED	multiple channels, pre-sliced	\$4995



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A total solar eclipse is shown in the upper left, with the Sun's corona glowing around the dark Moon. To the right, the Moon is shown in its reddish, coppery hue. The background is a dark, star-filled space.

# **CHRONICLE OF A JOURNEY TO EARTH**



LOCH NESS PRODUCTIONS

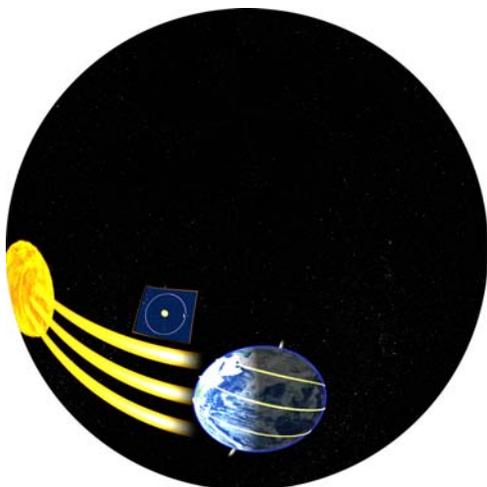
# Chronicle of a Journey to Earth

*Travel to a unique planet —  
to call your home!*

Imagine that you are a traveler from the depths of interstellar space. As you approach our solar system, what will you find? Long before you reach the Sun, you traverse the Oort cloud, the deep freeze at the outermost reaches. You pass by the gas giants and their families of moons and rings. Finally, you reach the inner solar system, and the rocky worlds of Mars, Earth, Venus and Mercury.

If you were looking for a place to call home, which world would YOU choose? From the cold frontier inhabited by the dwarf planets of the outer solar system to the warmth of the Sun, any self-respecting traveler would ultimately be drawn to Earth, to explore and understand how this planet alone has come to be an ideal haven for life.

Discover seasonal climate changes, and witness wondrous visions from the surface of this unique world — Moon phases and eclipses. Come along for the ride, and see our neighborhood in space from a new perspective.



*Chronicle of a Journey to Earth* combines the videography and animation created by Albedo FullDome of Barcelona (who originally produced the show in 2009) with the soundtrack expertise of Loch Ness Productions.

Our version features a revised script by Carolyn Collins Petersen, who also narrates the show. The soundtrack was produced by Mark C. Petersen, and features original music from the vast re-sources of the popular MUSIC BACK-PACK Library.

Running time: **20:21**  
Suitable for: **General public**  
Information about: **Astronomy, Solar System**  
Year of production: **2010**

PRICES INCLUDE encoding/formatting and slicing for most fulldome systems. Contact us for details.

<i>Chronicle of a Journey to Earth, 20-year license</i>			
CJE-FS	<b>SMALL/MEDIUM</b>	single channel, smaller than 2000 pixels	<b>\$2395</b>
CJE-FL	<b>LARGE/X-LARGE</b>	single channel, larger than 2000 pixels	<b>\$3795</b>
CJE-FG	<b>SLICED</b>	multiple channels, pre-sliced	<b>\$4995</b>



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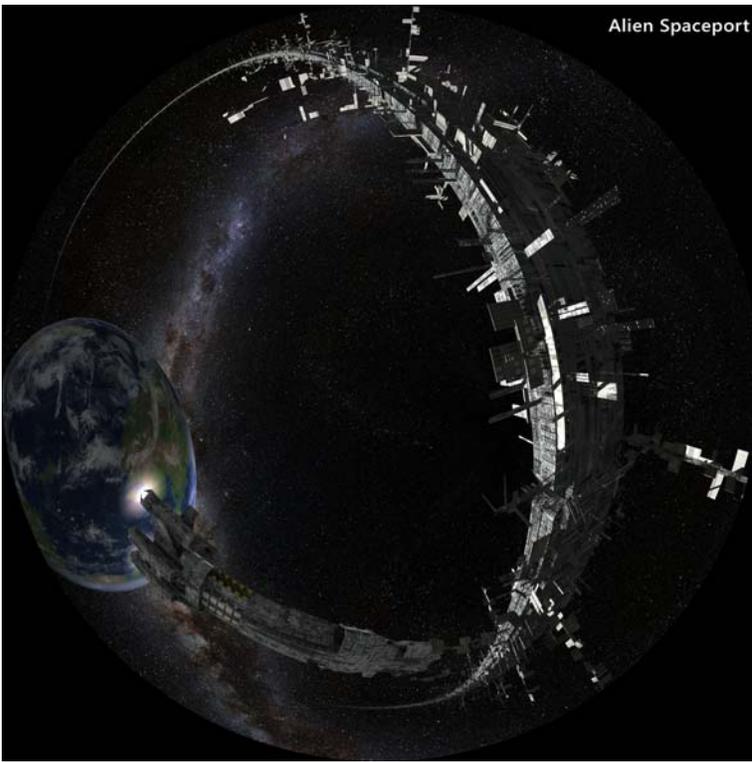
# EXOPLANETS

*Discovering New Worlds*



LOCH NESS PRODUCTIONS





Alien Spaceport

# EXOPLANETS

## Discovering New Worlds

Welcome to the Great Age of Extrasolar Planet Finding!

The modern hunt for exoplanets is an adventure that began in the 20th century. It continues today as astronomers use both ground- and space-based observatories to find planets around other stars. Ultimately, this great age of discovery could lead to the detection of life beyond our solar system. This show tells the story of our search for alien worlds.

How do we find distant worlds around other suns? **EXOPLANETS — Discovering New Worlds** describes the two main methods astronomers use: the radial velocity method studies minute "wobbles" of stars, and the transit method detects eclipsing planets from flickers in a star's brightness.

So far, astronomers have found thousands of worlds, ranging from hot Jupiters to super-Earths. Discovering planets is one thing; finding life on those worlds is the next challenge.

We know life arose on Earth, but where else could it exist? Worlds in our solar system provide tantalizing clues. We look to Mercury, Venus, Mars, and the outer planets in a search for habitable environments.

What about moons? Jupiter's moon Io is volcanic and not hospitable, but tiny Europa may harbor life deep beneath its icy crust.



Surface of Io



Kepler Space Telescope

Saturn's moon Titan has an atmosphere and organic materials, and Enceladus has hidden oceans. Could they support life? What these worlds reveal could help in the search for life beyond the solar system.

No extraterrestrial life has been found anywhere else — yet. The possibility of finding life drives our extrasolar planet searches. What if that life is intelligent? Has it tried to contact us?

**EXOPLANETS — Discovering New Worlds** speculates on the existence of such life, and points out nearby civilizations may already know about us — from our radio and TV broadcast signals. Someday, we may find those societies and marvel at their technological achievements.

Running time: **28:30** Suitable for: **General public**  
 Year of production: **2021**  
 Information about: **Astronomy, solar system, exoplanet discoveries and methods, exobiology, spacecraft missions**

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.

EXOPLANETS - Discovering New Worlds			
MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$2,395	EXD-FS
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$3,795	EXD-FL
SLICED	multiple channels, pre-sliced	\$4,995	EXD-FG



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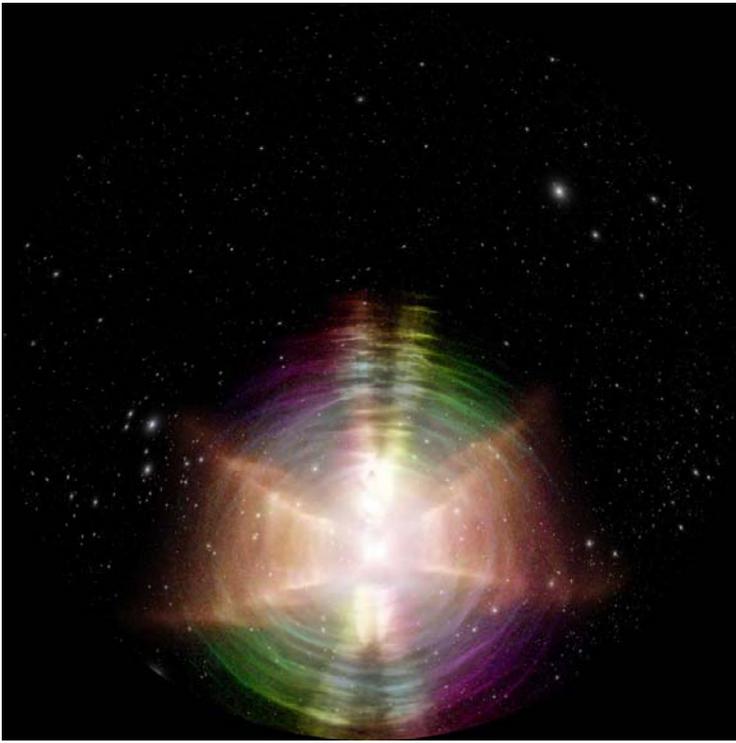
Revised 25 March 2023

Franz Liszt

# Nuages Gris



# GEODESIUM

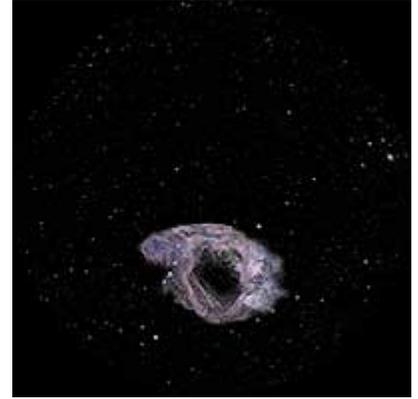


# Geodesium "Nuages Gris"

*Who knew Franz Liszt wrote planetarium space music?*

*Franz Liszt: "Nuages Gris" (c. 1881)  
arranged, performed, and recorded by Geodesium  
effects/programming by Loch Ness Productions*

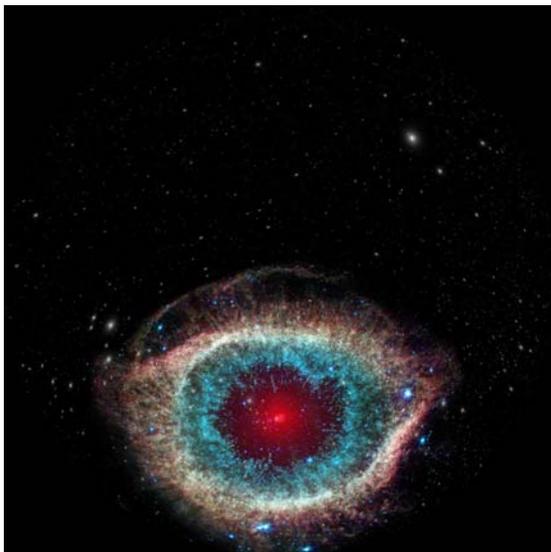
As the universe unfolds along our cosmic journey, we see phantasms of deep space distorted by preconceptions from the darkest recesses of the human intellect. Nebular structures become ethereal monsters. An infant galaxy is born before our eyes, as its stellar mother spirals into oblivion. Streamers of gossamer light beckon to us from across the depths of space, drawing us into a stargate of surpassing brilliance and beauty. But, all color becomes pallor, and our perceptions dissolve into ethereal clouds of gray... "Nuages Gris".



When the human spirit becomes burdened with the weight of age, of sorrow, of the loss of youth, and youthful accomplishments, life turns grey and uncertain. So it was with the master Franz Liszt. In 1881, the year of this composition, he arrived in Weimar, Germany to teach piano, to pass along his brilliance and vitality to a new generation of performers. Instead, a fall down a flight of stairs robbed him of mobility and health. Desolation and despair overtook his spirit, and his compositions began to reflect his slow, stately descent to death. Yet, his works from this period contain the seeds of new musical life, of the exploratory tonalism and experimentation that still grow today in modern ambient and space music.

This eerie, haunting soundtrack performed by [Geodesium](#) is a note-for-note performance of Liszt's original score. The original 'Andante' tempo indication was slowed to 'Adagio', as appropriate for the stately procession of nebulae in the visualization, and Liszt's minimalist piano lines have become the sonorous, sostenuto chorale and tremolande strings characteristic of the Geodesium space music sound. Whereas Liszt's piano score wanders to an end with a subdued, delicate pianissimo, this work builds to an intense, sustained and dramatic climax — yet remaining true to the notes Liszt penned more than a century ago.

This rendition of "Nuages Gris" was our competition entry in the VisuaLiszt 2011 Fulldome Festival, held in Jena Germany.



Running time: **5:00** Year of production: **2011**  
Suitable for: **General public**  
Music: **arranged, performed, and recorded by Geodesium**  
Imagery: **Gemini Observatory, Space Telescope Science Institute, Spitzer Science Center; starfields from DigitalSky**  
Video production by: **Mark C. Petersen**

MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$395	GNG-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$795	GNG-L
SLICED	multiple channels, pre-sliced	\$995	GNG-G

PRICES INCLUDE encoding/formatting and slicing for most fulldome systems.

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Revised 25 March 2023



# HUBBLE VISION 2



HUBBLE VISION 2 CREATED BY LOCH NESS PRODUCTIONS  
NARRATED BY WREN ROSS WRITTEN AND PRODUCED BY CAROLYN COLLINS PETERSEN MARK C. PETERSEN MUSIC BY GEODESIUM  
IMAGERY SPACE TELESCOPE SCIENCE INSTITUTE AND NASA / JOHNSON SPACE CENTER EUROPEAN SPACE AGENCY  
GEMINI OBSERVATORY STARLIGHT PRODUCTIONS TIM W. KUZNIAR POSTER DESIGN DOME3D





## HUBBLE Vision 2

*A fascinating tour of the cosmos — from Earth orbit!*

*HUBBLE Vision 2* is a breathtaking odyssey through the universe, as seen by the Hubble Space Telescope, featuring gorgeous imagery of the planets, stars, galaxies, and more!

Since its launch in 1990, the Hubble Space Telescope has provided incredible images in unprecedented detail to astronomers, and made an astonishing array of discoveries — from nearby objects in the solar system to the most distant galaxies at limits of the observable universe.

We've taken the best and most exciting Hubble images and woven them into an engaging story of cosmic exploration, bringing the wonders of the universe to audiences everywhere.

*HUBBLE Vision 2* is actually our third show about this remarkable observatory. In this all-new production, major themes in current astronomy and cosmology are presented: new views of the planets; peeks into starbirth nurseries; visions of stardeath in its many forms; explorations of star clusters and galaxies; and views of the universe when the earliest galaxies first shone.

We catch glimpses of solar system objects: the Moon and Venus; clouds on dusty Mars; Comet Shoemaker-Levy 9's crash into Jupiter; storms on Saturn, Uranus, and Neptune; and the faraway worlds Pluto and Quaoar.

Beyond the solar system, we explore protoplanetary disks in the Orion Nebula, and regions of starbirth across the cosmos. We witness the deaths of stars like our Sun; the cataclysmic aftermath of super-novae in the Crab Nebula; and expanding rings around Supernova 1987a. We see breathtaking views of colliding galaxies; jets shooting from active galactic nuclei, powered by supermassive black holes; the eerie effects of gravitational lenses; and deep-field views of the most distant galaxies ever seen.

The images in *HUBBLE Vision 2* began as digital files released by the Space Telescope Science Institute, NASA, the European Southern Observatory, and by scientists working directly with HST data. Then we carefully reframed, resized, cropped and enhanced the images for optimal planetarium display. We've also created original artwork and graphics to supplement and illustrate other points of the show.



Bring the Hubble Space Telescope's exciting discoveries to audiences of all ages. *HUBBLE Vision 2* is a factual journey through the universe, as seen through the unblinking eye of one of the world's premier telescopes — a

planetarium show done in the professional style you expect from Loch Ness Productions.



Running time: **30:00** Year of production: **2004, updated 2009**  
 Suitable for: **General public**  
 Educational content: **Astronomy — planets, moons, stars, supernovae, nebulae, galaxies, clusters, black holes.**

MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$2,395	HV2-FS
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$3,795	HV2-FL
SLICED	multiple channels, pre-sliced	\$4,995	HV2-FG

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems.

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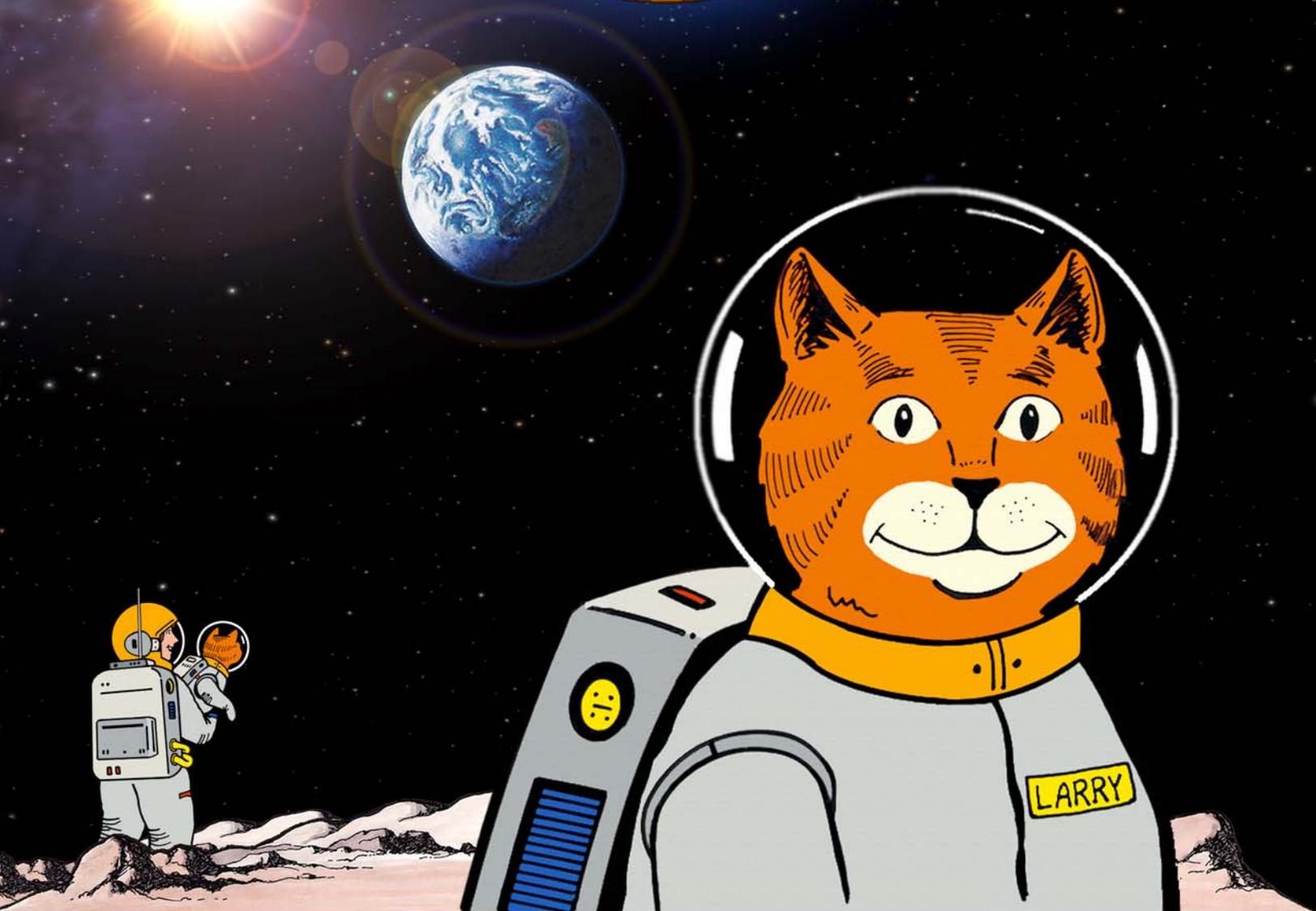
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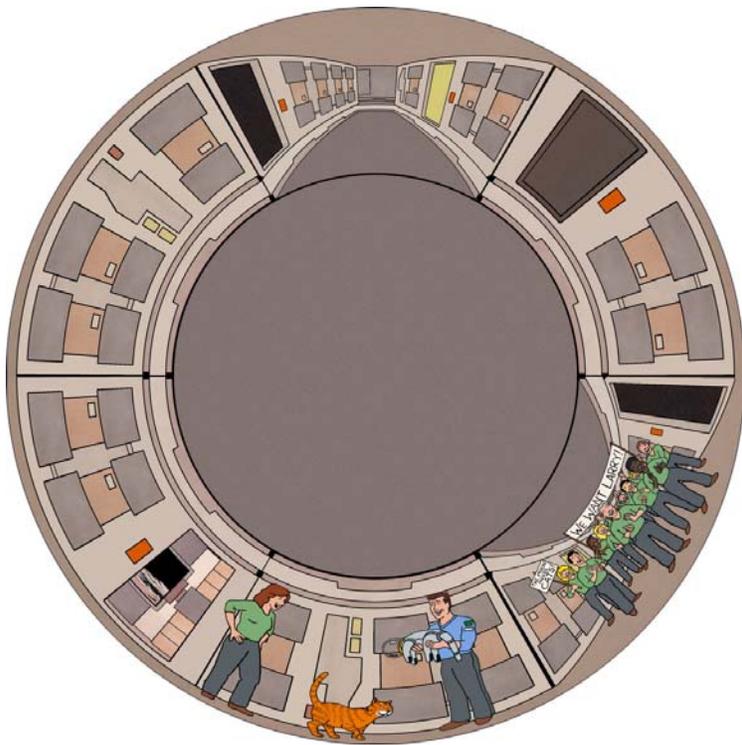
Revised 25 March 2023

# LARRY CAT IN SPACE



LARRY CAT IN SPACE CREATED BY LOCH NESS PRODUCTIONS  
WRITTEN BY CAROLYN COLLINS PETERSEN PRODUCED BY MARK C. PETERSEN MUSIC BY GEODESIUM  
VOICES STEVEN ST. JAMES DARIEN GOULD MARK C. PETERSEN CAROLYN COLLINS PETERSEN TIM W. KUZNIAR KEVIN ATKINS CAROL ATKINS  
IMAGERY BOB DAVIS TIM W. KUZNIAR DIGITAL REMASTERING JENN TUOMALA ANIMATIONS JASON TALLEY POSTER DESIGN DOME3D





# Larry Cat In Space

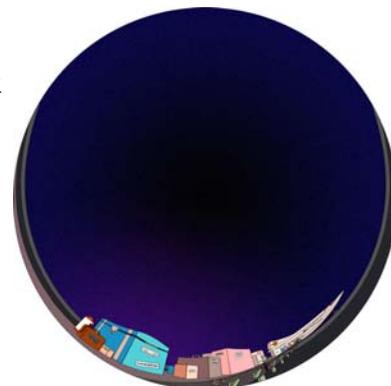
*Take off on a lunar adventure with a curious stowaway cat!*

*Larry Cat In Space is a playful, imaginative cartoon presentation about an inquisitive cat who takes a trip to the Moon.*

Through Larry's eyes, we observe his human family — a group of very enthusiastic skywatchers who spend much of their leisure time at the eyepiece of their backyard telescope.

One of his family members is Diana, who goes to work on the Moon as a lunar geologist. She sadly leaves Larry behind.

When her parents pack a trunk of clothes to send up to her, Larry figures out a way to smuggle himself inside.



The trunk and Larry are loaded onto the Space Plane, which takes him to space station Freedom. From there, he is transferred to the Lunar Shuttle. During weightlessness, the trunk opens. Larry floats out into the cabin, and looks out the window.

When Larry gets to the Moon, he leaps to greet Diana, but sails over her head, since he only weighs two pounds in lunar gravity. Then he meets the rest of Imbrium Village's inhabitants, including the evil Commander Stone, who orders Diana to return Larry to Earth.

The Moon base crew petitions to keep Larry, and the Commander relents. He even makes Larry a cat space suit.

When Larry ventures out to explore the lunar surface, he spots the Earth, looking a lot like the Moon did from the porch at home.

While *Larry Cat In Space* is primarily targeted at primary grade students, everyone enjoys a fun-filled cartoon adventure.

Adults and children alike will be charmed by Larry's adventurous nature, and they'll learn something about the Moon, too!



Running time: **30:00** Year of production: **2005**, classic **1990**  
 Suitable for: **General public**  
 Educational content: **Astronomy — Moon, Sun, stars, craters, lunar gravity, weightlessness.**

MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$2,395	LCS-FS
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$3,795	LCS-FL
SLICED	multiple channels, pre-sliced	\$4,995	LCS-FG

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# LIGHT YEARS FROM ANDROMEDA

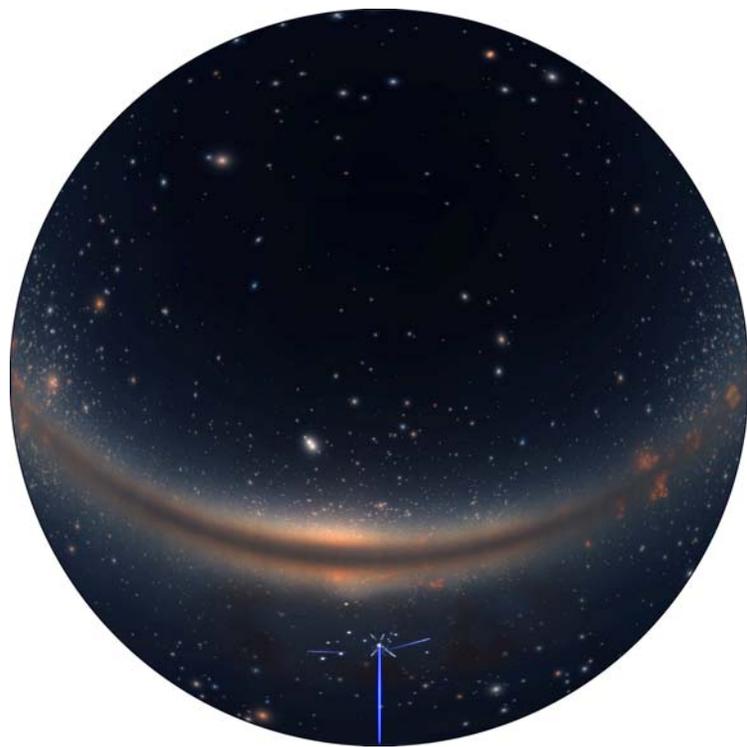
LIGHT YEARS FROM ANDROMEDA CREATED BY LOCH NESS PRODUCTIONS

NARRATED BY MICHAEL DORN WRITTEN BY CAROLYN COLLINS PETERSEN PRODUCED BY MARK C. PETERSEN MUSIC BY GEODESIUM

ARTWORK TIM W. KUZNIAR MICHAEL W. CARROLL IMAGERY DIGITALSKY 2 NASA 100SKIES.COM LEE R. LENNINGTON III

MCDONALD LASER RANGING STATION SPACE TELESCOPE SCIENCE INSTITUTE NATIONAL OPTICAL ASTRONOMY OBSERVATORY POSTER DESIGN DOME3D





# Light Years From Andromeda

*A journey between two galaxies spans human history — and reveals the secrets of the cosmos!*



**Narrated by Michael Dorn**

*Light Years From Andromeda is a story of cosmic distances, and humanity's quest to understand the universe. Take a journey of epic proportions across space and time!*

A beam of light leaves a star in the Andromeda Galaxy and travels across the void of intergalactic space. For much of its journey it traverses the nearly-empty realm between galaxies. In the meantime, on a planet located in a neighboring galaxy, intelligent life evolves.

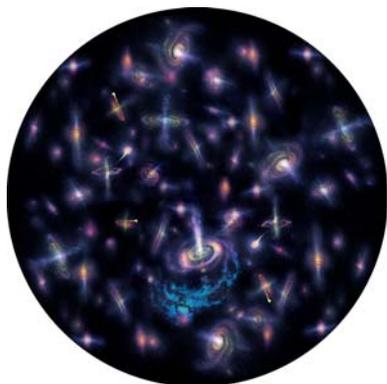


As the light speeds across the light years over the course of many centuries, the primitives on the planet form cultures and civilizations — and begin to wonder about the universe surrounding them. Their awareness of the night sky increases as the beam of light draws nearer to their planet.

When the light reaches the Earth, some of the descendants of the early hunters have just escaped the bonds of their world's gravity, and visited the Moon. In modern times, scientific study of space helps the planet's current inhabitants use light to explore the galaxy from which it came — and beyond.

**Light Years From Andromeda** teaches the concepts of light speed, and the light year and how astronomers use them to measure distances to some familiar celestial objects— the Moon, the Sun, the planets, nearby stars, and galaxies.

The show briefly touches on the properties of light that help determine a star's age and temperature, and gives a fascinating look at how light and distance allow us to "look back" further in time as we gaze farther into space.



Running time: **30:00** Year of production: **2009**, classic **1980,1997**  
 Suitable for: **General public**  
 Educational content: **Astronomy — planets, moons, stars, galaxies, quasars, interstellar medium, Big Bang.**

MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$2,395	LYA-FS
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$3,795	LYA-FL
SLICED	multiple channels, pre-sliced	\$4,995	LYA-FG

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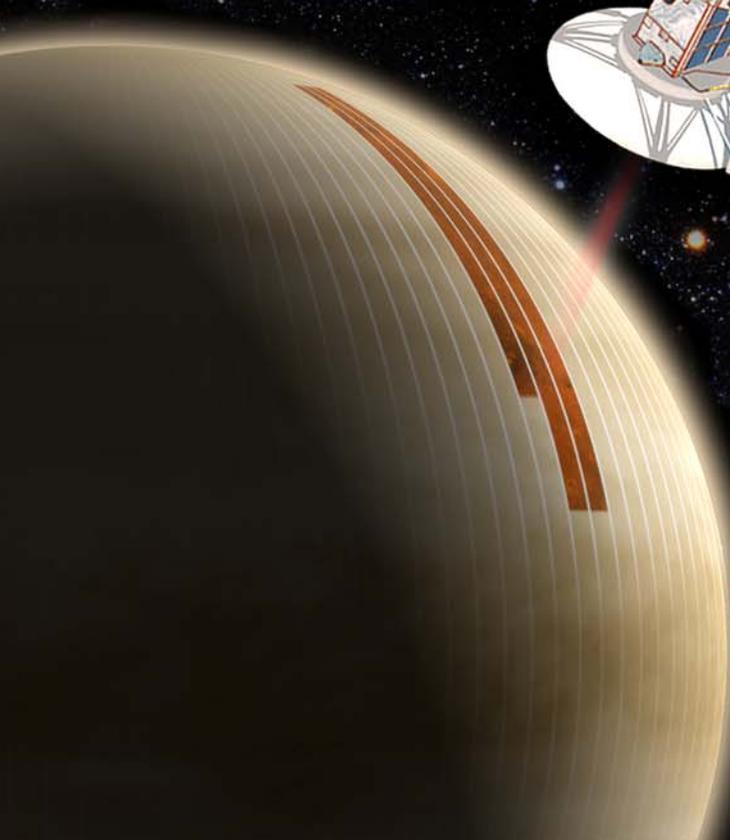
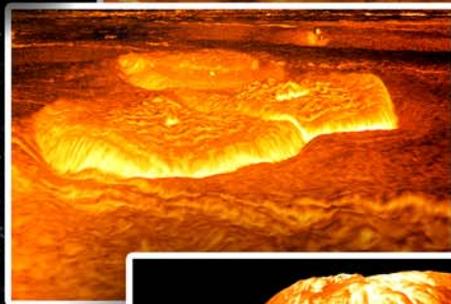
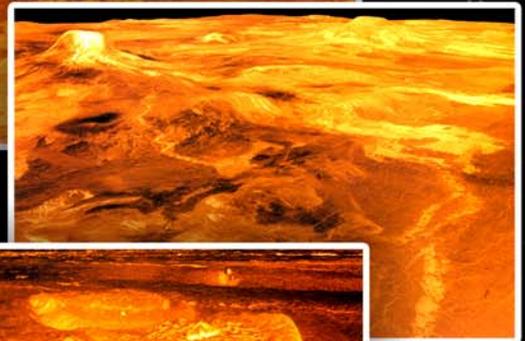
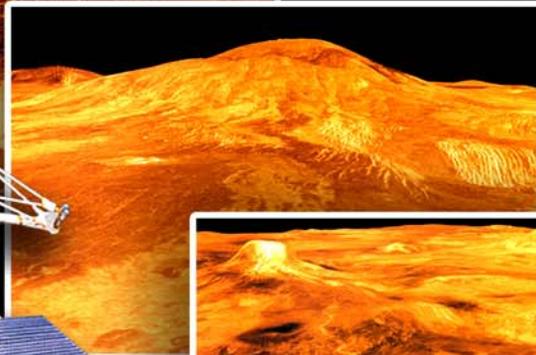
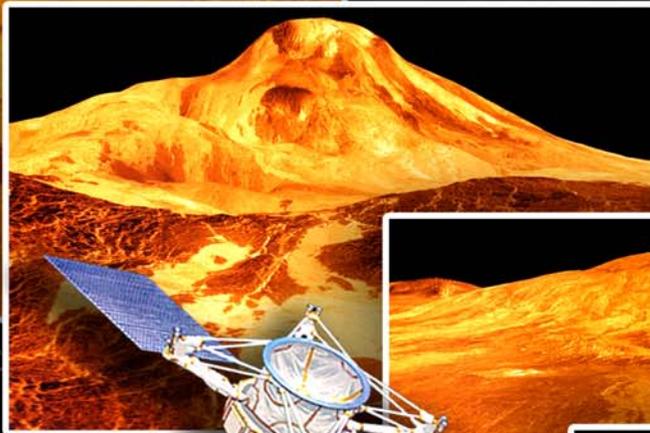
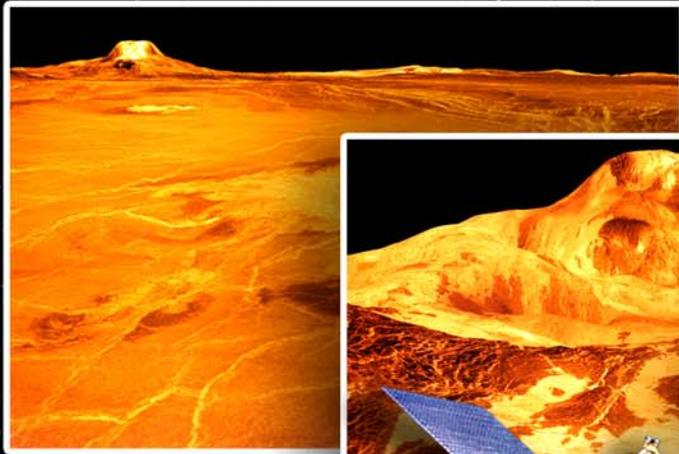
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Revised 25 March 2023

# MAGELLAN REPORT FROM VENUS



MAGELLAN: REPORT FROM VENUS CREATED BY LOCH NESS PRODUCTIONS  
WRITER / RESEARCHER CAROLYN COLLINS PETERSEN PRODUCER / PROGRAMMER MARK C. PETERSEN NARRATOR ROGER THOMPSON  
MUSIC GEODESIUM ARTWORK AND GRAPHICS TIM W. KUZNIAR JENNIFER B. TUOMALA ASTROVISUALIZATIONS DIGITALSKY 2  
MAGELLAN IMAGES NASA / JET PROPULSION LABORATORY MARTIN MARIETTA AEROSPACE POSTER DESIGN DOME3D





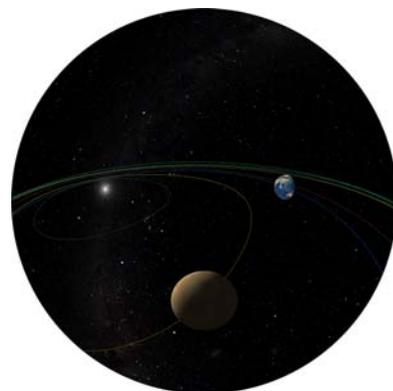
# MAGELLAN: Report From Venus

Explore Venus — Earth's mysterious next-door neighbor in space!

Take a safari under the clouds of Venus to experience its scorching hot surface, explore its volcanoes and lava rivers, and scan its intriguing cratered plains — through images from the Magellan radar mapping mission.

**MAGELLAN: Report from Venus** recaps the accomplishments of this radar-mapping mission and takes audiences on a tour of Earth's "sister planet."

Because Venus's clouds keep us from seeing the surface directly, scientists used radar imaging techniques to map the planet's broken and jumbled terrain.



We follow Magellan's progress from its launch through the most significant discoveries. Included are spectacular images of Venus volcanoes, showing the wide variety of forms that volcanic action takes on this desolate world. Impact craters caused by incoming space debris are scattered across the Venerian surface. Landslides also carve the terrain of Venus, proving that tectonism helps to shape the planet's surface. These three processes are familiar to us here on Earth; finding them at work on Venus allows opportunities to compare Venus with our home planet.

The Magellan mission to Venus was one of the most successful missions ever sent to explore this world. The spacecraft returned more data than all the previous NASA planetary missions combined.



**Magellan: Report from Venus**, along with its sister planetary shows **The Voyager Encounters** and **MarsQuest**, is an excellent way to present the wonders of the solar system to audiences of all ages.

Running time: **29:00** Year of production: **2008**, classic **1995**  
 Suitable for: **General public**  
 Educational content: **Astronomy — Venus, Earth, geology, volcanism, tectonism, cratering, comparative planetology.**

MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$2,395	MRV-FS
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$3,795	MRV-FL
SLICED	multiple channels, pre-sliced	\$4,995	MRV-FG

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems.

Public performance of this show requires the signing of a License Agreement.

Watch TRAILERS and FULL-LENGTH PREVIEWS on our Web site!



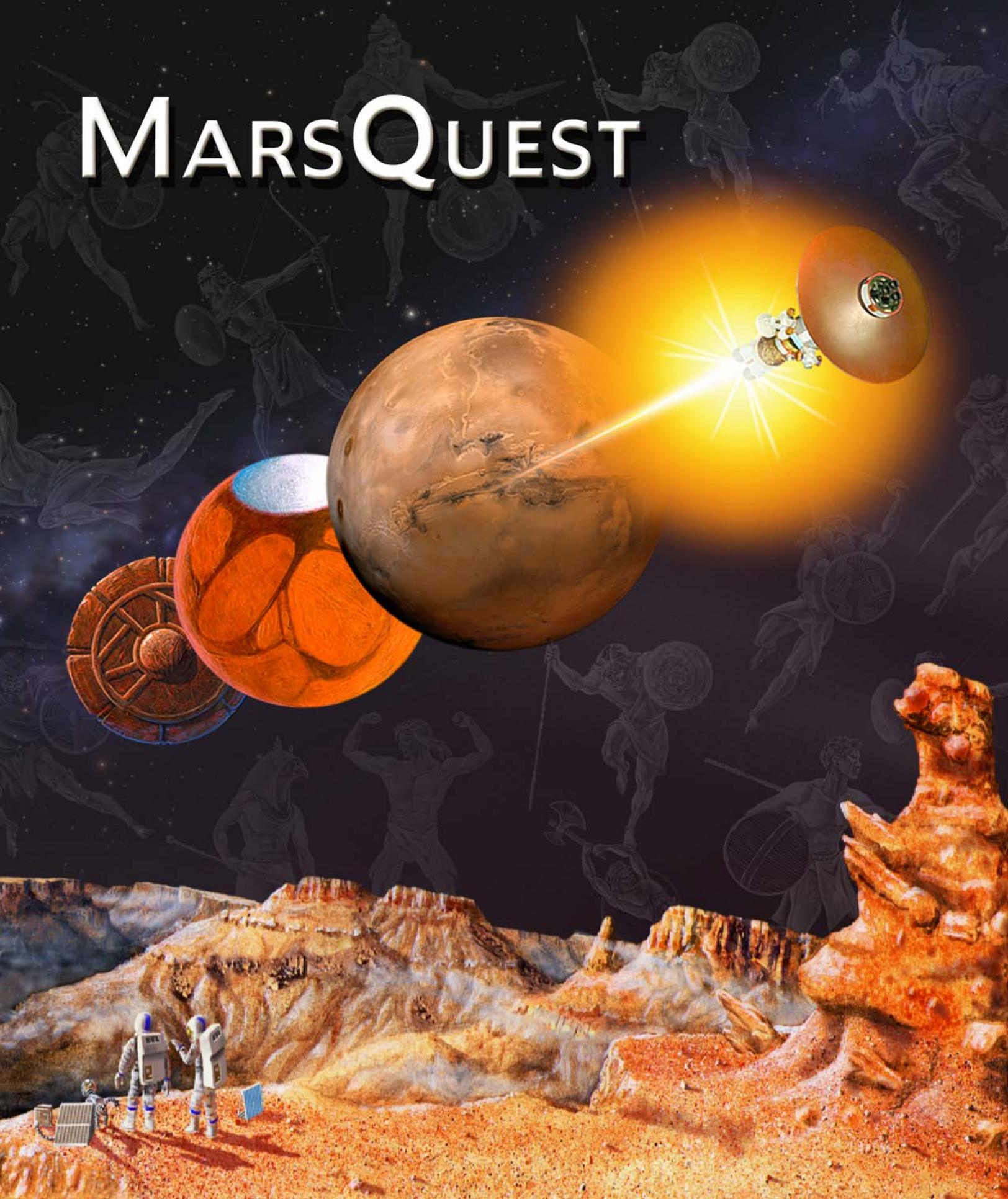
LOCH NESS PRODUCTIONS P. O. BOX 924 NEDERLAND, COLORADO 80466 USA

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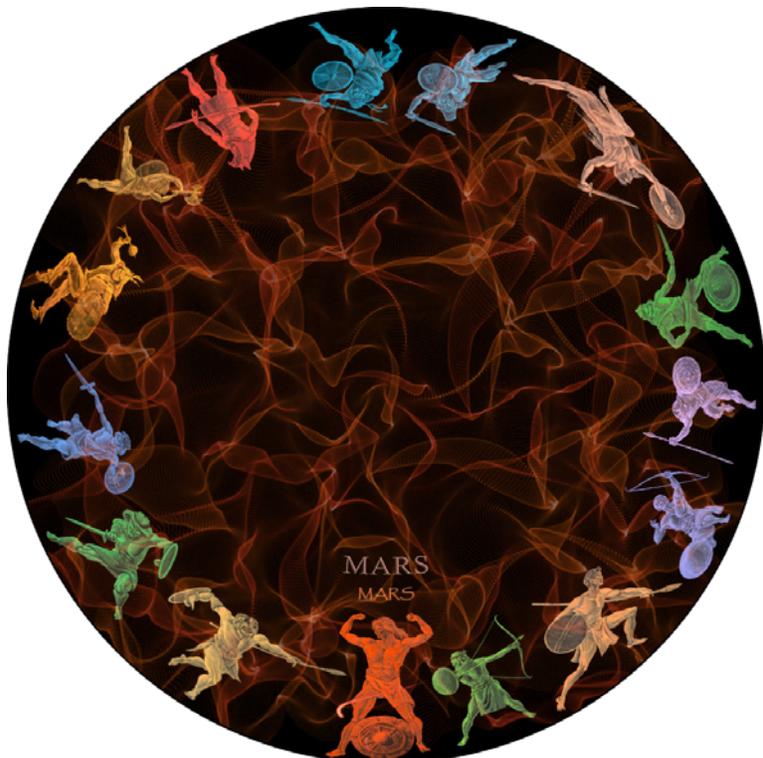
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# MARSQUEST



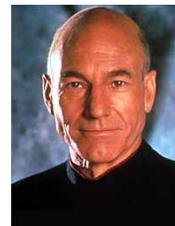
MARSQUEST CREATED BY LOCH NESS PRODUCTIONS NARRATED BY PATRICK STEWART  
WRITTEN BY CAROLYN COLLINS PETERSEN PRODUCED BY MARK C. PETERSEN MUSIC BY GEODESIUM VOICES JAMES MORAVEC MARK C. PETERSEN STEVEN ST. JAMES  
ARTWORK AND ANIMATION MICHAEL W. CARROLL TIM W. KUZNIAR JASON B. TALLEY MODELS KEVIN ATKINS STARFIELDS AND ORRERIES DIGITALSKY POSTER DESIGN DOME3D  
PRODUCED IN COLLABORATION WITH THE SPACE SCIENCE INSTITUTE WITH FUNDING FROM THE NATIONAL SCIENCE FOUNDATION





# MarsQuest

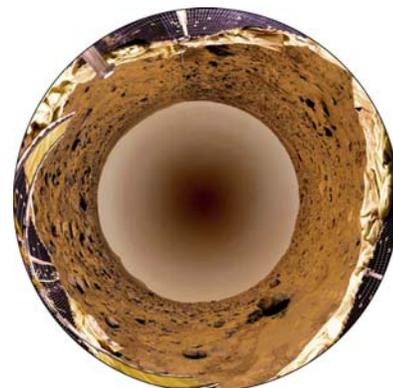
*Come along on a captivating scientific and historical exploration of the planet Mars!*



**Narrated by Patrick Stewart**

*MarsQuest is a chronicle tracing our centuries-long cultural and scientific fascination with the planet Mars. Set in a theatrical style "three-act" form with an epilogue, it weaves a satisfying narrative of what Mars means to humanity.*

In the first section, **"Homage,"** we trace Mars through history — from an "incantation" of the various War God forms given by different cultures, to the early observations of Schiaparelli and Lowell, and the infamous "canals" which led to science-fiction stories about Martians. We hear excerpts from H. G. Wells's "War Of The Worlds" and Edgar Rice Burroughs's "Barsoom" novels.



**"Mars In Focus"** details the Mars of our time — as seen in the night sky, through binoculars and telescopes, and from our Mars explorations. Mission findings from more than a quarter century of spacecraft missions feature reports on Mars weather, climate, and areology. We compare the climate and terrain of Earth and Mars, and present the current thinking about the areologic history of the planet, and a rationale for future exploration.

**"Mars in the Future"** examines where on Earth we can prepare to live on Mars, what will be needed to get crewed missions to the Red Planet, and what the first landing may be like.

The show ends with **"Rhapsody on a Red Planet,"** a poetically-styled "ode to Mars," this time from a future perspective; an eloquent soliloquy tracing the efforts that led to humanity's first footsteps onto the desolate and dusty Martian surface.

**MarsQuest**, along with its sister planetary shows **Magellan: Report from Venus** and **The Voyager Encounters**, is an excellent way to present the wonders of the solar system to audiences of all ages.



Running time: **40:26** Year of production: **2007**, classic **2001**  
 Suitable for: **General public**  
 Educational content: **Astronomy — Mars, Earth, comparative planetology, Mars satellites, environment, exploration.**

MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$2,395	MQ-FS
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$3,795	MQ-FL
SLICED	multiple channels, pre-sliced	\$4,995	MQ-FG

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems.

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# M MOLES

WHAT IS OUT THERE?

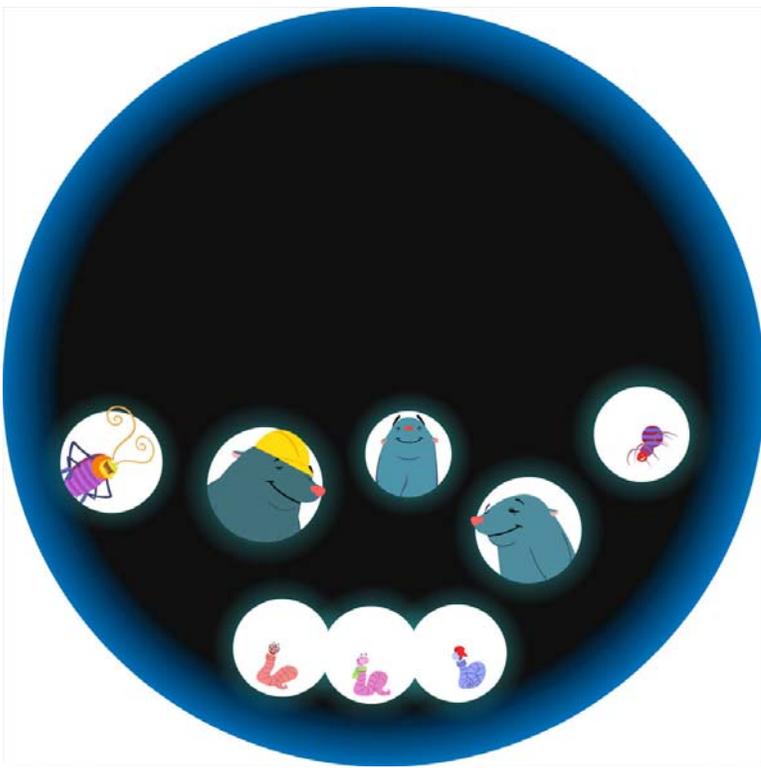


LOCH NESS PRODUCTIONS

# MOLES: What Is Out There?

*You have never seen a cuter mole!*

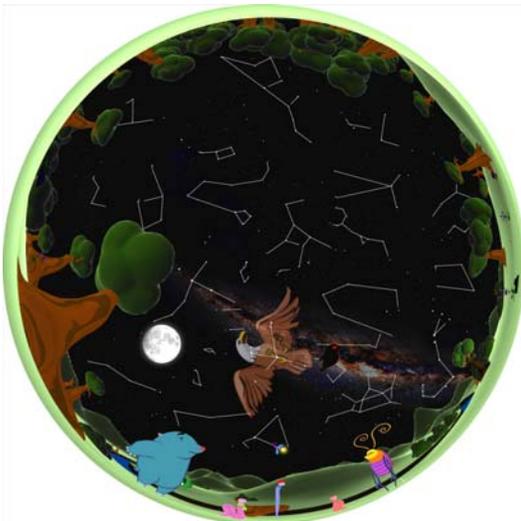
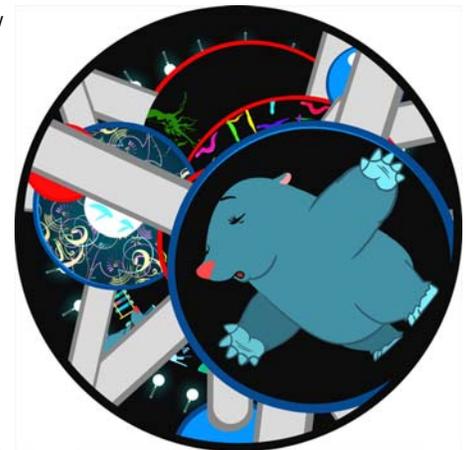
Young children will be introduced to the fascinating world of astronomy in a fun, simple and very humorous way, hand in hand with Plato, a young mole. The animated characters and the attractive backdrops of this full-dome entertainment show will keep audiences captivated. With **Moles**, children will learn basic concepts about science while having a great time.



The story revolves around Plato, who lives with his parents deep underground, in a dark burrow full of mystery and surprises. He is a restless, curious and thoughtful creature — fascinated by the light that penetrates the entrance to his home. Sometimes it is lit; sometimes it is dark. Why could that be?

Plato desperately wants to see what is out there in the world above. One day he finally gets to see it all! Plato discovers day and night, the Sun and Moon, and the stars! Plato's best friends are Alfa, Beta and Gamma. They love to sing... and go treasure hunting! Good thing the professor Socrates keeps an eye on our young friends, as sometimes things can get a little out of hand! The **Moles** story was inspired by the Greek philosopher Plato's "Myth of the Cave".

**Moles** stands out for its beauty and simplicity of visual design. Characters and settings are developed with clear and tender consistency. The illustrations are suggestive, warm and very expressive. They are filled with poetic messages that will stir a child's imagination. **Moles** integrates traditional storytelling with digital media in order to entertain and awaken interest for astronomy and nature.



Running time: **35 minutes**  
 Suitable for: **Ages 4-8, families**  
 Information about: **Astronomy, night sky, nature**  
 Year of production: **2011**

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.

A co-production of Albedo FullDome and Mediuscula, with assistance from Loch Ness Productions.

## Moles, 20-year license

MLS-FS	SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$2395
MLS-FL	LARGE/X-LARGE	single channel, larger than 2000 pixels	\$3795
MLS-FG	SLICED	multiple channels, pre-sliced	\$4995



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Revised 25 March 2023



# OCEANS IN SPACE



OCEANS IN SPACE CREATED BY LOCH NESS PRODUCTIONS  
NARRATED BY AVERY BROOKS WRITTEN BY CAROLYN COLLINS PETERSEN PRODUCED BY MARK C. PETERSEN MUSIC BY GEODESIUM  
ARTWORK TIM W. KUZNIAR MICHAEL W. CARROLL ANIMATION JASON B. TALLEY EXECUTIVE PRODUCER ROBIN SYMONDS POSTER DESIGN DOME3D  
ORIGINALLY COMMISSIONED FOR THE SEYMOUR PLANETARIUM BY THE SPRINGFIELD LIBRARY & MUSEUMS ASSOCIATION SPRINGFIELD MASSACHUSETTS USA





# Oceans In Space

*The search for life in the universe begins deep in Earth's oceans — and extends out to the stars!*

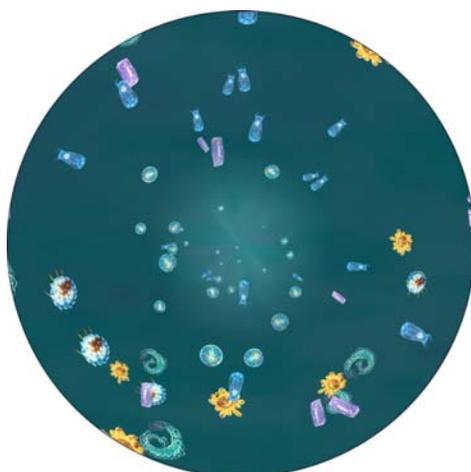
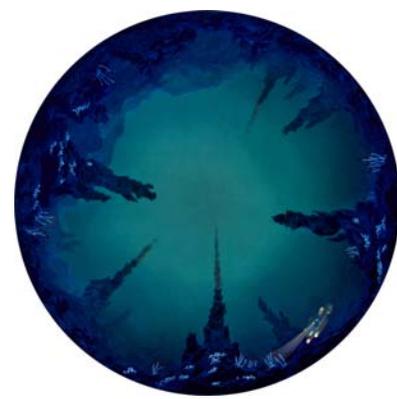
**Narrated by Avery Brooks**



*Oceans in Space* answers the deep questions humans have about where life began and where it might exist elsewhere in the cosmos. It's a thought-provoking exploration of our own planet and the worlds around other stars in the search for life.

Two of the most profound questions humans can ask are "Where do we come from?" and "Are we alone?" It is only natural that we look across the gulfs of space to search for other inhabited worlds.

*Oceans In Space* is a journey of exploration that seeks out places where conditions are favorable for life to exist. This original and thought-provoking presentation highlights the search for extrasolar planets and an understanding of the conditions necessary to form and sustain life. Inspired in part by the goals of NASA's Origins Program — an effort to answer the enduring questions that spur space exploration — this program introduces audiences to the diversity of life on our home planet even as humans embark on the search for life in the universe.



The story begins on Earth — on the shoreline of a tropical lagoon. The show travels back in time more than five billion years, to trace the origin and evolution of the solar system from a cloud of gas and dust. It then describes the formation of our planet's oceans, and speculates about the places where life could have begun nearly four billion years ago. It presents the three requirements for the nourishment of life on Earth — and most likely anywhere else in the universe: warmth, water, and organic material.

Today life on Earth flourishes in environments ranging from benign to downright alien, and the show examines the variety of life forms that populate our planet: from the creatures of the land to organisms that exist in the extreme conditions around volcanic vents on the ocean floors.

The possibility that life might exist in similar extreme environments elsewhere in the solar system prompts an exploration of two other worlds where the requirements for life might be met: Mars and the icy Jovian moon Europa.

The search for other life-bearing planets moves to starbirth nurseries in the Orion Nebula, and explains one technique today's scientists use to look for extrasolar planets. A science fiction-style ending portrays spaceship crews exploring the shores of an alien ocean far from Earth, in a scene taken from humanity's distant future.



Running time: **30:00** Year of production: **2005**, classic **1996**  
 Suitable for: **General public**  
 Educational content: **Astronomy — Solar system, Earth, Mars, comparative planetology, Europa, exoplanet detection.**

MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$2,395	OIS-FS
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$3,795	OIS-FL
SLICED	multiple channels, pre-sliced	\$4,995	OIS-FG

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# Season of Light



LOCH NESS  
PRODUCTIONS

SEASON OF LIGHT CREATED BY LOCH NESS PRODUCTIONS  
NARRATED BY NOAH ADAMS WRITTEN BY JAMES G. MANNING PRODUCED BY MARK C. PETERSEN MUSIC BY GEODESIUM  
ARTWORK TIM W. KUZNIAR MICHAEL W. CARROLL DIGITAL IMAGING AND ANIMATION JENNIFER TUOMALA JASON TALLEY  
BACKGROUND IMAGERY 1000SKIES.COM PHILO HURBAIN SCRIPT CONSULTANT CAROLYN COLLINS PETERSEN





## Season of Light

*Light up the cold, dark season with a warm and bright holiday show!*

**Narrated by National Public Radio's Noah Adams**

*Season of Light* explores the reasons humans are so fascinated with lighting up our lives during the December holiday season. It's an exploration of the astronomical meanings behind seasonal traditions, including the "Star over Bethlehem".

When the December holiday season rolls around each year, planetarians often present special programs that combine astronomy and holiday traditions.

One of the most popular programs in the Loch Ness Productions repertory is

***Season of Light*** — an elegant and sophisticated program about the coldest and darkest of seasons — a time which holds some of the warmest and brightest celebrations of the year.



This presentation traces the history and development of many of the world's most endearing holiday customs, all of which involve lighting up the winter season — from the burning Yule log, festive Christmas tree lights and sparkling candles in windows, to the lighting of luminarias and setting off fireworks in the American Southwest and the traditional ritual lighting of the Hanukkah Menorah.



The show also recounts the historical religious and cultural rituals practiced during the time of winter solstice — not only Christian and Jewish, but also Celtic, Nordic, Roman, Irish, Mexican and Hopi. It also takes a look at some of our more light-hearted seasonal traditions: from gift-giving and kissing under the mistletoe to songs about lords a-leaping and ladies dancing; and the custom of decking the halls with greenery and candles. St. Nicholas, Sinterklaas, Kris Kringle, Father Christmas, and Santa Claus all drop by as well.

Naturally, there is some astronomy in ***Season of Light***. Audiences learn a selection of Northern hemisphere winter constellations, and find out why we

even have seasons, as we demonstrate the Sun's path across the sky throughout the year, and the Earth's tilt and orbit around the Sun.

Of course, the program explores the possible astronomical explanations for a "Star over Bethlehem" in the last quarter of the show: comets, meteors, novae and supernovae, and planetary conjunctions.

***Season of Light*** is visually rich, culturally inclusive, musically satisfying, and soothing as a warm drink on a cold winter's night — and the perfect program for that end-of-the-year program slot!

Running time: **35:17** Year of production: **2005**, classic **1993**  
 Suitable for: **General public**  
 Educational content: **Astronomy — Sun, Moon, Venus, Jupiter, constellations, lunar eclipse, seasons, novae, meteors.**

MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$2,395	SOL-FS
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$3,795	SOL-FL
SLICED	multiple channels, pre-sliced	\$4,995	SOL-FG

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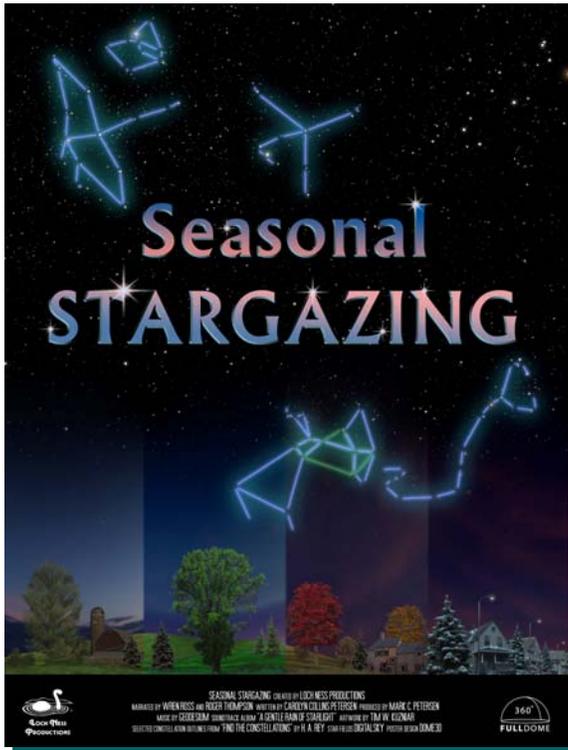


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## Seasonal STARGAZING

*Night Sky star talks — rendered as fulldome video movies!*

*16 star shows — at the push of a button!*

*Offer consistent, reliable star identification shows with any level of staffing!*

Find out more about “what’s up tonight” in just a few minutes than some people do in a lifetime! Hop through constellations, learn cool star names, and groove to planetarium space music in this fulldome audiovisual experience.

Star talks are the quintessential planetarium presentation, the bread and butter of a star theater’s repertoire. Since many people come to the planetarium specifically for the “what’s up in the night sky” presentation, now you can always have a dependable one on tap! The advent of fulldome video technology has allowed us to create **Seasonal STARGAZING**, an extremely versatile set of star shows — at an extremely reasonable price. You get 16 ways to show “what’s up!”

Each **Seasonal STARGAZING** show highlights the most prominent and easy-to-find stars and constellations of the season. We’ve upgraded the old standby green-arrow show, painting the dome with choreographed circles and colorful constellation lines. Audience members see and hear star names and constellations, and learn to star-hop for popular deep-sky objects. They’re a great start on stargazing for audiences of all ages!

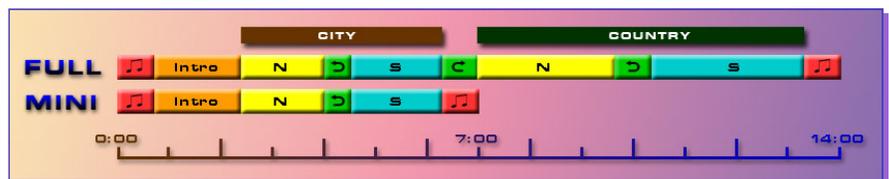
### An Incredible Package

- A set of 4 **MINI** and 4 **FULL** length shows? That’s *Eight!* Wait, it gets better.
- We produced the set of eight seasonal **MINI** and **FULL** shows *twice*, with *both* male and female narrators, for a total of 16 shows!
- 16 shows — why, that’s nearly 3 hours of fulldome programming! All in one convenient, ready-to-play package.
- No gate shares, no attendance reports, no “large-capacity theater” price penalty. Just a 20-year license to run these shows as much as you want in your dome.

### A Winning Formula

Each show is structured the same way:

- We start out under the starry sky and a little Geodesium night music to get people in the mood for stargazing.
- After a short introduction, we do some stargazing from a typical “suburban/city” locale, with some light pollution for added sky realism. First we look north for the Big Dipper and Polaris and other prominent stars and constellations.
- Then we rotate the sky to the south, to look for the season’s easy-to-find patterns in that half of the sky.
- At this point, the **MINI** versions wrap up and close; the **FULL** versions continue, taking audiences out to the country for some dark-sky viewing (rotating back to north during the transition).
- From the north-facing countryside, we revisit the bright stars and constellations we saw in the city.
- Then we turn to the south once again, point out the Milky Way if it’s not low on the horizon, and locate some easy naked-eye deep-sky objects, such as the Andromeda Galaxy or the Orion Nebula, along the way.
- And every show ends with some encouraging words: *“The more you look at the night sky, the more you’ll find. And all you have to do is go outside — and look*



## Each Season Has Two Lengths To Fit Your Needs

Every theater has different time requirements. Some want shorter shows, others use longer ones. Some teachers like modules to plug into specific lessons in the dome curricula. It seemed to us we could give everybody what they need by designing the shows to offer both **MINI** and **FULL** versions, averaging 7 and 14 minutes respectively, and they are all included in the package. It's win-win all the way around!

## Two Voices, More Choices

The days of debating "which voice is better, male or female" are long behind us. The quality of a professional presentation transcends gender.

But while an audience may experience a show only once, it's the show presenters who hear the soundtracks day after day, and end up memorizing lines and recalling entire shows verbatim years later.

So, with a choice of two voices, you can help relieve console operator fatigue! Use the female voice for the winter and summer, and the male for spring and autumn. Or, alternate male/female each week! Or, use only male or only female all the time. It's up to you; you have the options.

## But Will They Work In Your Theater?

These are Northern Hemisphere shows. The skies are depicted from **40° North** latitude. That's close to where much of the world's planetarium-going population is. Most of the featured objects in our shows are prominent in their seasonal sky, and visible from latitudes well above and below 40°. Please visit our Web site for a full listing.

The shows work with both truncated and full fisheye projector systems. We have optimized them for front-facing audience viewing.

No sore necks from straining to see what's upside-down or behind the audience; we "rotate the dome" for you, and put cardinal points on the horizon so everybody knows which way they're looking! Of course you can show them in a concentric-seat theater too.

Our horizon is level, so if you have a tilted dome, the whole sky will be tilted the same angle as your dome. But that's probably the way you do your "what's up tonight" star talks anyway!

## You Might Have More Questions...

... so please visit our Web site, where you can watch and download demos, read in-depth discussions and peruse our extensive FAQ. Maybe we've answered your question already! If not, just contact us. We'd be happy to hear from you.

Words expertly crafted by **Carolyn Collins Petersen**  
Stereo soundtracks with original music by **GEODESIUM**  
Narrated by **Wren Ross** and **Roger Thompson**  
Original artwork by **Tim W. Kuzniar**

Running times:	MINI	FULL
<b>Spring</b>	7:12	13:30
<b>Summer</b>	6:31	13:55
<b>Autumn</b>	6:21	13:16
<b>Winter</b>	7:40	14:55

Year of production: **2007**

Audience: **General public**

Educational content: **Astronomy — stars, constellations, double stars, clusters, nebulae, galaxies, light-years**

MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
<b>SMALL/MEDIUM</b>	single channel, smaller than 2000 pixels	<b>\$2,395</b>	<b>SSG-FS</b>
<b>LARGE/X-LARGE</b>	single channel, larger than 2000 pixels	<b>\$3,795</b>	<b>SSG-FL</b>
<b>SLICED</b>	multiple channels, pre-sliced	<b>\$4,995</b>	<b>SSG-FG</b>

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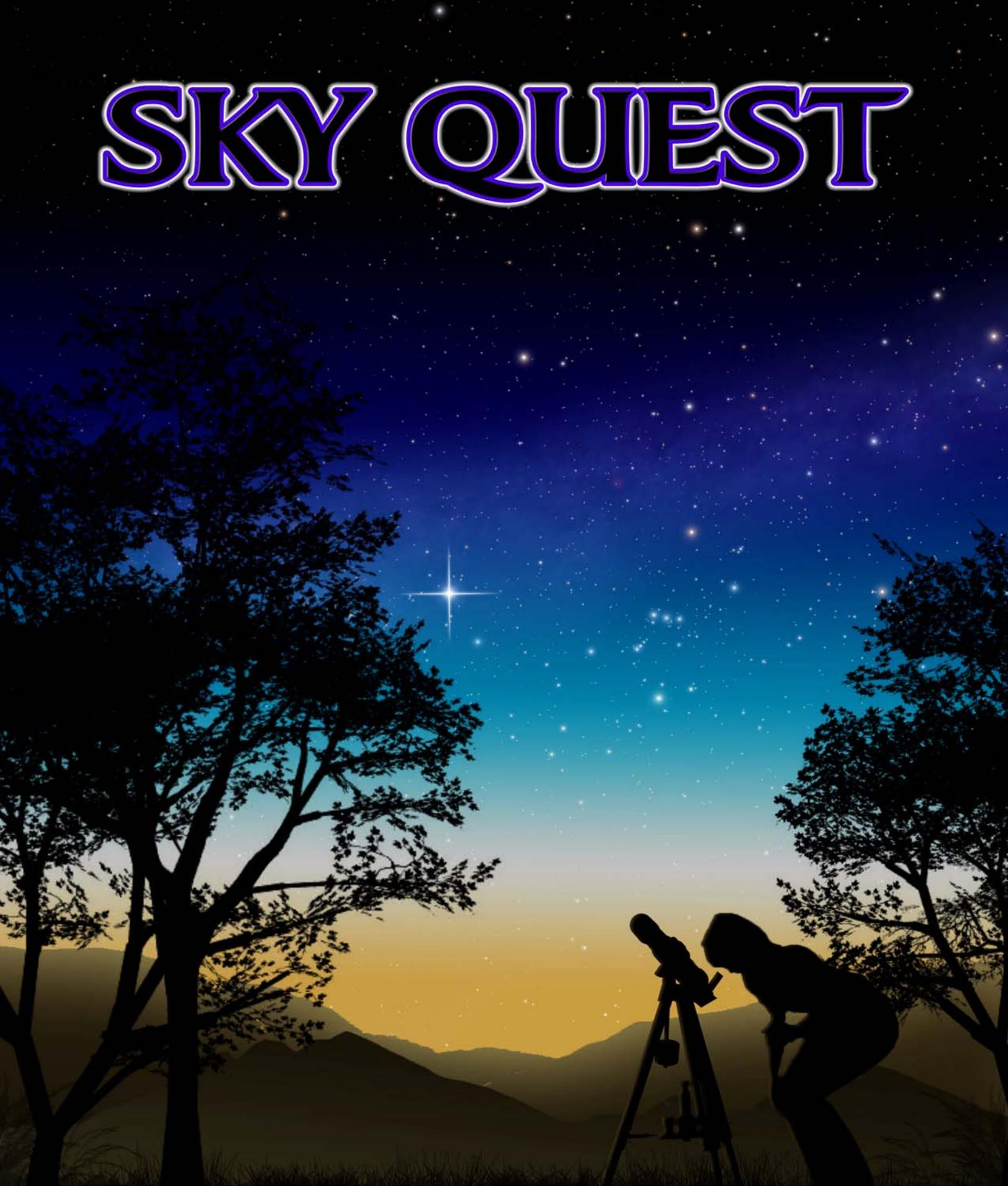
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# SKY QUEST



SKY QUEST CREATED BY LOCH NESS PRODUCTIONS NARRATED BY ROXANN DAWSON

WRITTEN BY CAROLYN COLLINS PETERSEN PRODUCED BY MARK C. PETERSEN MUSIC BY GEODESIUM VOICES SUSAN GALASSO TIM W. KUZNIAR DARIEN GOULD

VIDEO CHARACTERS FRAN BACENAL SUSAN GALASSO TIM W. KUZNIAR CAROLYN COLLINS PETERSEN VIDEOGRAPHY LOWEL PIERCE

VIDEO ANIMATIONS SKY-SKAN ARTWORK AND PHOTOGRAPHY TIM W. KUZNIAR MICHAEL W. CARROLL JENN TUOMALA POSTER DESIGN DOME3D

ORIGINALLY COMMISSIONED FOR THE ALBERT EINSTEIN PLANETARIUM, NATIONAL AIR AND SPACE MUSEUM, SMITHSONIAN INSTITUTION EXECUTIVE PRODUCER CHERYL BAUER





# Sky Quest

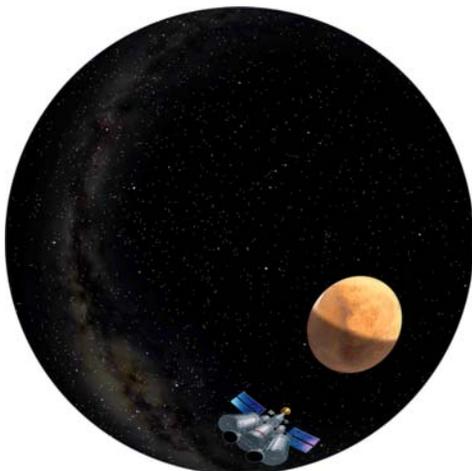
*Come along with a young woman on her personal quest to find a special place in the night sky!*

**Narrated by Roxann Dawson**  
B'Elanna Torres of TV's *Star Trek: Voyager*



*Sky Quest* is a family favorite, telling the story of one woman's quest for astronomy exploration and her childhood dreams of the stars.

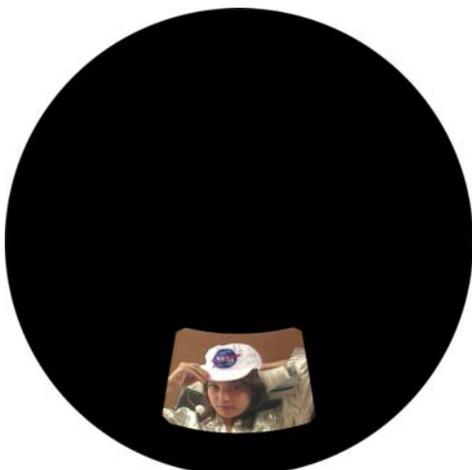
*Sky Quest* is an exploration of the stars, planets, and constellations told from the viewpoint of an astronomer. Share her lifelong fascination with the heavens — from her childhood adventures on Mars (via a cardboard rocket) — to the discovery of her "birthday star" that led her to become an astronomer and build her own mountain-top observatory.



Our astronomer shares her telescope views of solar system objects and talks about future landings on the Moon, future missions to Mars, Hubble Space Telescope studies of Jupiter, and the glorious rings of Saturn.

Along the way she points out her favorite stars, and explains how she learned to find the constellations with simple star-hopping techniques. She encourages everyone to make the time to look up, even if it means stargazing in urban areas with light pollution.

*Sky Quest* is an entertaining and educational exploration of the night sky that appeals to family members of all ages.



Grade-school children may identify most with the main character depicted as an 8-year-old "astronaut" in a charming opening "home movie" style vignette.

Running time: **24:30** full length, and **20:00** edit  
Year of production: **2005**, classic **1996** Audience: **General public**  
Educational content: **Astronomy — Earth, Moon, Mars, Jupiter, Saturn, Apollo, Voyager, Hubble, light pollution.**

MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$2,395	SQ-FS
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$3,795	SQ-FL
SLICED	multiple channels, pre-sliced	\$4,995	SQ-FG

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems.

Public performance of this show requires the signing of a License Agreement.

**Watch TRAILERS and FULL-LENGTH PREVIEWS on our Web site!**



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Revised 25 March 2023

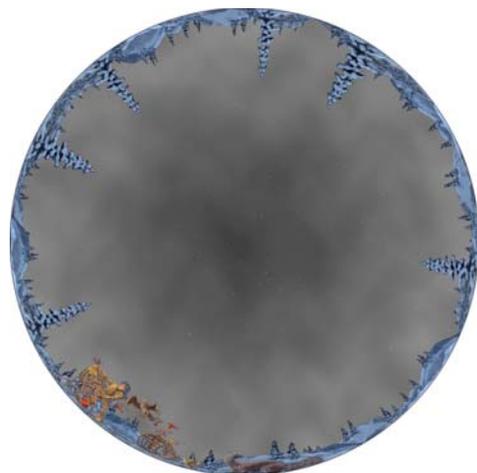
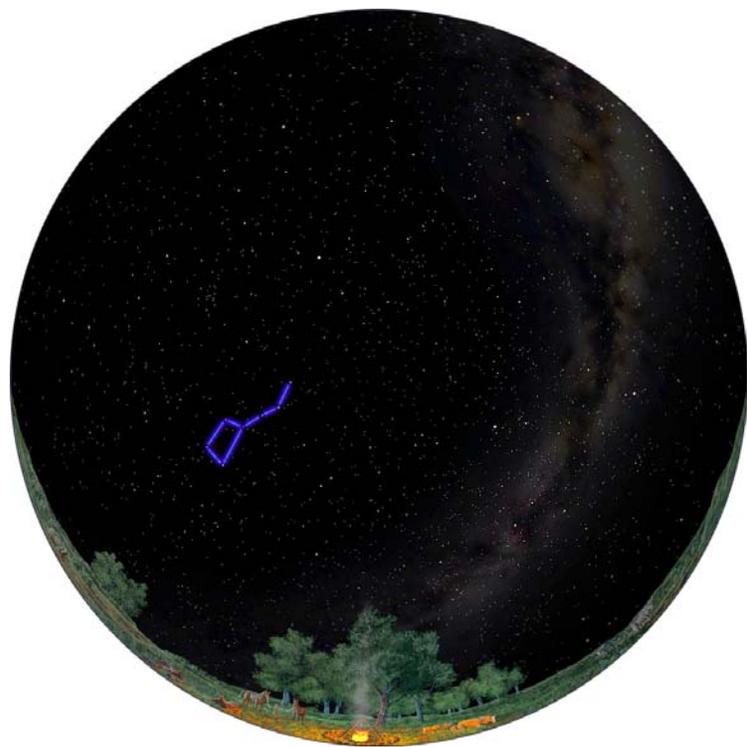


# THE COWBOY ASTRONOMER



THE COWBOY ASTRONOMER CREATED BY LOCH NESS PRODUCTIONS NARRATED BY BAXTER BLACK  
WRITTEN BY CAROLYN COLLINS PETERSEN PRODUCED BY MARK C. PETERSEN MUSIC GEODESIUM STORYTELLER LYNN MORONEY  
ARTWORK AND GRAPHICS TIM W. KUZNIAR ANIMATION JASON TALLEY DIGITAL IMAGING JENNIFER TUOMALA ASTROVISUALIZATIONS DIGITALSKY  
ORIGINALLY COMMISSIONED FOR THE CAMPBELL COUNTY SCHOOL DISTRICT PLANETARIUM, GILLETTE WYOMING USA POSTER DESIGN DOME3D





# The Cowboy Astronomer

Explore the stars from a cowboy's point of view!

Narrated by cowboy humorist Baxter Black



*The Cowboy Astronomer* is a skillfully woven tapestry of star tales and Native American legends, combined with constellation identification, star-hopping, and astronomy tidbits — all told from the unique viewpoint of a cowboy astronomer who has traveled the world plying his trade and learning the sky along the way.

The show begins with the cowboy's reminiscences of boyhood experiences on a cattle ranch. There he learned about Polaris, the North Star from a wily old ranch hand. He also learns the story of how the seven Indian maidens became the Pleiades — running from the grizzliest bear they'd ever seen — and how Devil's Tower got created in the process.



We hear the voice of a Native American storyteller recounting the legend of how Fisher — also known as the Big Dipper — got into the sky. The cowboy regales the audience with a wide range of other star tales, explaining along the way the processes of star birth and star death, and how stars' temperatures and colors are related. Throughout the show, he uses examples from many different cultures to identify familiar celestial objects and constellations, and demonstrate how humans have studied the sky throughout time.

The show closes with a touching tribute to a husband and wife team of astronomers who both studied the night sky and hoped to find their place among the stars. In the last scene, the cowboy astronomer invites everyone to enjoy the sublime beauty of the night sky and find their own place in the universe.

There's never been a program like *The Cowboy Astronomer*. It's a fresh new perspective in the planetarium medium; a unique, different, and thoroughly entertaining show unlike anything you've seen or heard before. It'll make your audiences laugh, it'll tug at their heart strings — all the while teaching about the universe and humanity's relationship with the stars.

Running time: **37:00** Year of production: **2005**, classic **1993**  
 Audience: **General public**  
 Educational content: **Astronomy — stars, constellations, Orion nebula, Andromeda galaxy, Supernova 1987a, Cygnus X-1**

MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$2,395	TCA-FS
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$3,795	TCA-FL
SLICED	multiple channels, pre-sliced	\$4,995	TCA-FG

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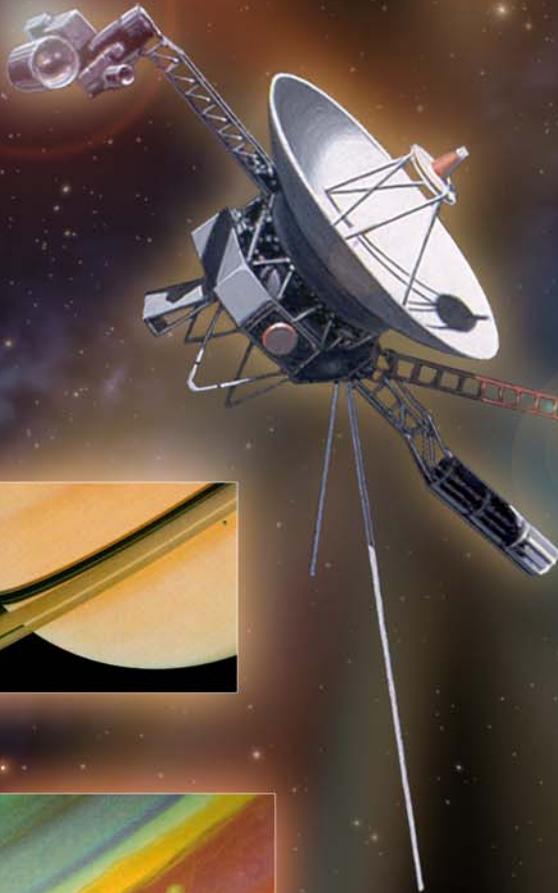
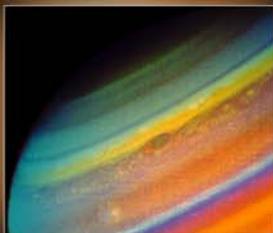
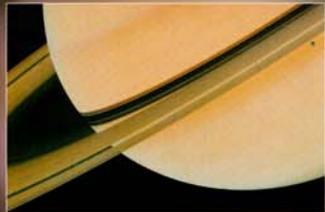


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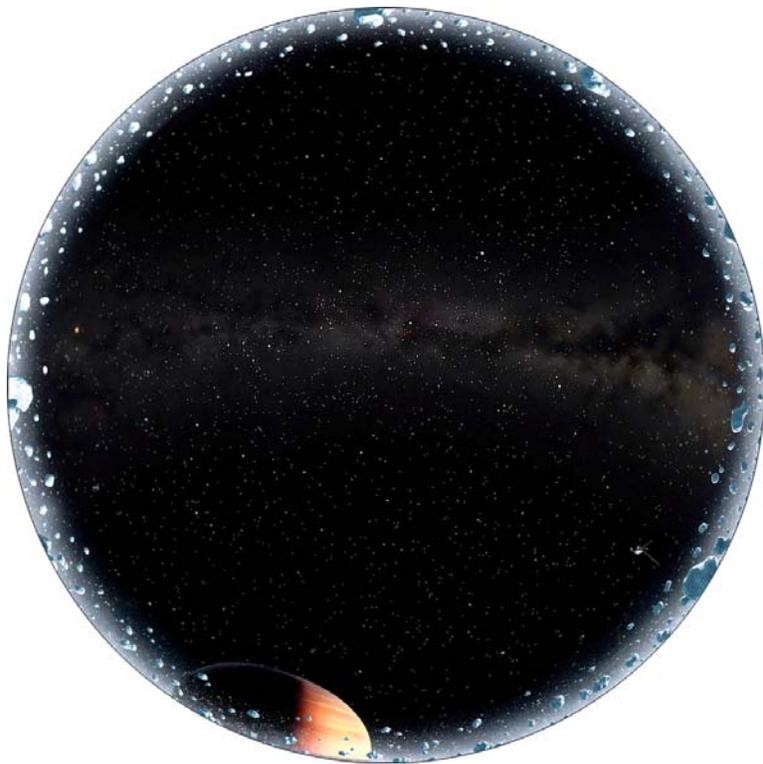


# THE VOYAGER ENCOUNTERS



THE VOYAGER ENCOUNTERS CREATED BY LOCH NESS PRODUCTIONS  
NARRATED BY PATRICK STEWART WRITTEN BY CAROLYN COLLINS PETERSEN PRODUCED BY MARK C. PETERSEN  
MUSIC BY GEODESIUM ARTWORK AND GRAPHICS TIM W. KUZNIAR ASTROVISUALIZATIONS DIGITALSKY  
VOYAGER IMAGES NASA / JET PROPULSION LABORATORY POSTER DESIGN DOME3D





Voyager's cameras provided rare and visually stunning views of the worlds of the outer solar system, plus invaluable information about the chemical makeup of each

planet's atmosphere, internal structure, magnetic fields, rings, and moons.

Voyager's planetary odysseys began at Jupiter, an impressionistic study in cloudy turbulence, sporting a Great Red Spot and a collection of moons — among them volcanic Io. Next was Saturn, with its ten thousand glittering rings, cloud-shrouded Titan, and a flock of smaller icy moons. That was followed by bland-looking Uranus, a planet that rolls around the Sun on its side. It boasts a set of dark rings and its own collection of icy worlds. Voyager's close flyby of Neptune showed storms in its upper atmosphere, and revealed the mottled surface of the unusual moon Triton. The show ends with these hardy space voyagers leaving the solar system — each serving as Earth's ambassador to a far future rendezvous in distant star systems.

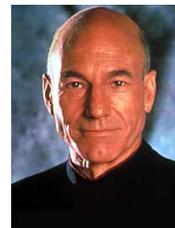
Along with its sister planetary shows *Magellan: Report from Venus* and *MarsQuest*, *The Voyager Encounters* is an excellent way to present the wonders of the solar system to audiences.



## The Voyager Encounters

*The Voyagers opened a new frontier — the worlds of the outer solar system!*

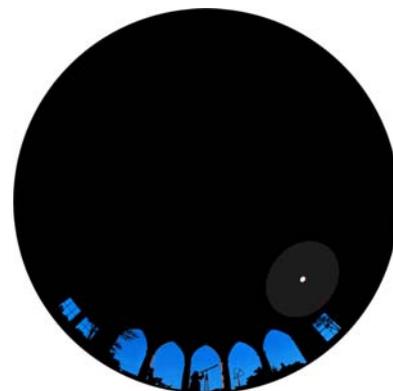
Narrated by Patrick Stewart



*The Voyager Encounters* is a fascinating tour of Jupiter, Saturn, Uranus and Neptune — conducted by the cameras and instruments onboard the *Voyager* spacecraft.

From 1979 to 1989 the Voyager 1 and 2 missions explored the wonders of the outer solar system. *The Voyager Encounters* is the definitive summary of results returned by the two spacecraft. It recaps the flybys of Jupiter, Saturn, Uranus and Neptune in one convenient, thorough documentary.

The show begins with an historical look at Galileo Galilei's observations of the planets Jupiter and Saturn, progressing through three centuries of ground-based studies of the outer planets. The show then introduces the two Voyager spacecraft and describes their trajectories and instrument packages.



Running time: **42:52** Year of production: **2007**, classic **1989**

Suitable for: **General public**

Educational content: **Astronomy — Jupiter, Saturn, Uranus, Neptune, moons, rings, magnetic fields, atmospheres.**

MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$2,395	TVE-FS
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$3,795	TVE-FL
SLICED	multiple channels, pre-sliced	\$4,995	TVE-FG

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems.

Public performance of this show requires the signing of a License Agreement.

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Revised 25 March 2023

# DESTINATION SOLAR SYSTEM



# Destination Solar System

*You'll Go Far With Space Express!*

The year is 2096. Space tourism is thriving and "Space Express Tours" is the world's leading company in space. You've signed up for a quick trip around the Solar System.

Space Express Tours — the first tour company in deep space — offers a variety of adventures including its most popular trip, **Destination Solar System**.

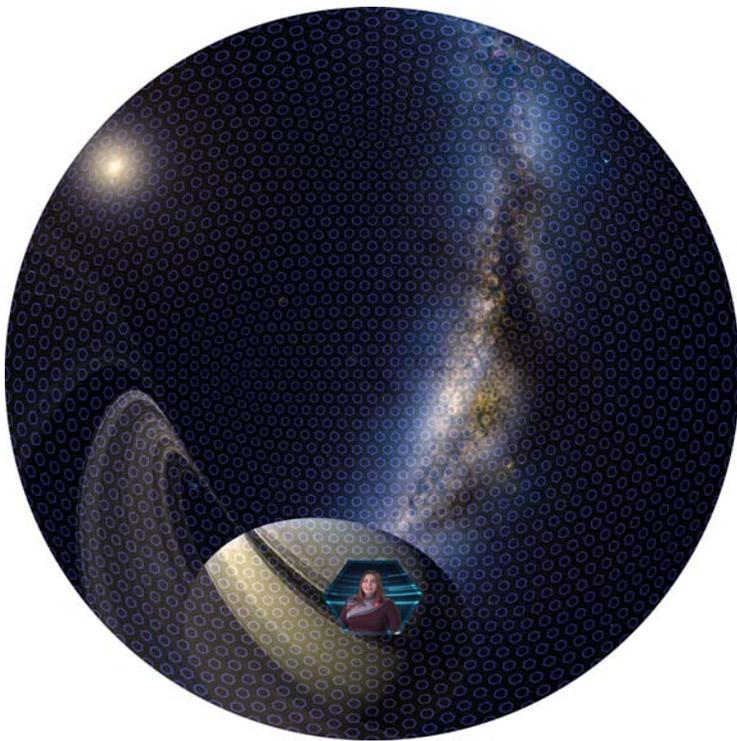
This out-of-this world jaunt takes place on board the fastest ship in the Space Express fleet, the only vehicle equipped with Space Jump™ technology.

Your guides are "Jesse," a lovable rookie tour guide who can't wait to show you the wonders of your celestial neighborhood, and "Max" — the highly knowledgeable, slightly grumpy shipboard computer.

With Max steering the ship and Jesse chattering excitedly about each place you visit, you'll soar through the Asteroid Belt, explore the moons of Jupiter and Saturn, and hover over the roiling surface of the Sun.

This show was developed by Adler Planetarium scientists and educators working with experts in market research, science writing, space visualization, animation, and children's entertainment. It combines real images of planets and other celestial objects with the latest in digital animation.

Tours of the hottest hot spots and the coldest, stormiest and most spectacular sights in the Solar System await curious space explorers of all ages, in **Destination Solar System!**



Running time: **30:40**  
 Year of production: **2014**  
 Suitable for: **General Public**  
 Information about: **Solar System, Sun, Planets.**

Public performance of this show requires the signing of a License Agreement. Visit our Web site for details.

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.

Destination Solar System					
MOVIE SIZE	RESOLUTION	2-YEAR LICENSE	PRODUCT CODE	5-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$3,500	ADL7-S2	\$4,500	ADL7-S5
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$11,000	ADL7-L2	\$15,000	ADL7-L5
SLICED	multiple channels, pre-sliced	\$15,000	ADL7-G2	\$20,000	ADL7-G5



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IMAGINE THE  
MOON



Distributed by  
**LOCH NESS  
PRODUCTIONS**



Presented by  
  
**MAGELLAN  
CORPORATION**  
SeaTrade company

# Imagine The Moon

*When was the last time you looked at the Moon?*

The Moon gives rhythm to our days, inspiration for our stories, and a place to journey to, even if only in our imagination.



When was the last time you looked at the Moon? Not just noticed it, but really looked at it? To most of us the Moon seems like an afterthought, a thing we might notice in passing and then not give a second glance.

But the Moon's place in our lives is so much more than just its physical presence in the sky. It is a constant companion in our collective imagination.

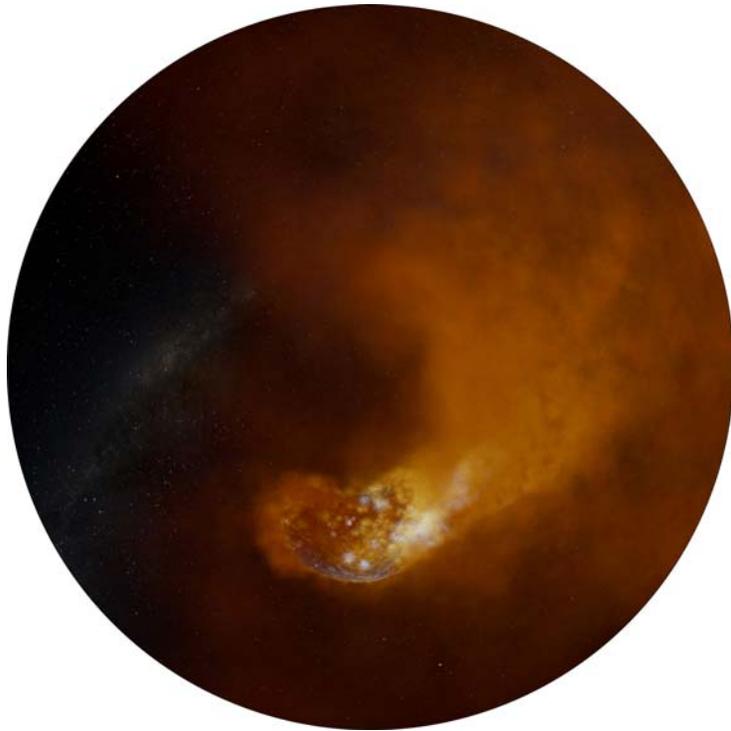


The Moon gives rhythm to our days, inspiration for our stories, and a place to journey to, even if only in our imagination. Our view of the Moon, shaped and formed by the imaginations of the poets and artists of days long past continues to be changed and renewed by the thinkers and visionaries of today.

The Moon has been a source of wonder for all of human history. Adler's 2019 sky show, **Imagine the Moon**, explores how the Moon has inspired human creativity, learning, and exploration ever since we have looked to the sky.

Each discovery has brought new opportunities to contemplate and imagine, until, driven by dreams, we left Earth and went there in the amazing journeys that culminated in astronauts walking on the Moon. People have imagined the Moon as a glowing disk in the sky, a destination in space, and a world that shares its origin with the Earth.

The power of human imagination continues to inspire our relationship with the Moon as our partner in space and companion in our sky.



Running time: **26:15**  
 Year of production: **2019**  
 Suitable for: **General Public**  
 Information about: **Moon, Apollo, exploration, history.**

Public performance of this show requires the signing of a License Agreement. Visit our Web site for details.

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.

Imagine The Moon					
MOVIE SIZE	RESOLUTION	2-YEAR LICENSE	PRODUCT CODE	5-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$3,500	ADL6-S2	\$4,500	ADL6-S5
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$11,000	ADL6-L2	\$15,000	ADL6-L5
SLICED	multiple channels, pre-sliced	\$15,000	ADL6-G2	\$20,000	ADL6-G5



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Revised 25 March 2023

# One World, One Sky

Big Bird's Adventure





# One World, One Sky: Big Bird's Adventure

*Big Bird, Elmo and their friend from China, Hu Hu Zhu, take viewers on a journey of discovery!*

*One World, One Sky* is a production of Adler Planetarium, Sesame Workshop, Beijing Planetarium, and Liberty Science Center and was produced with major support from the National Science Foundation.

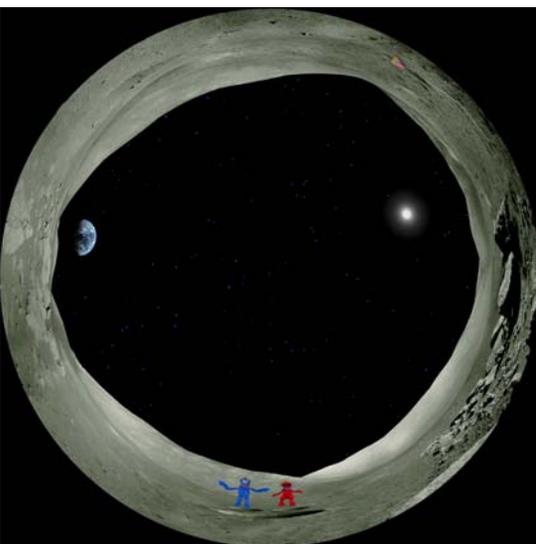
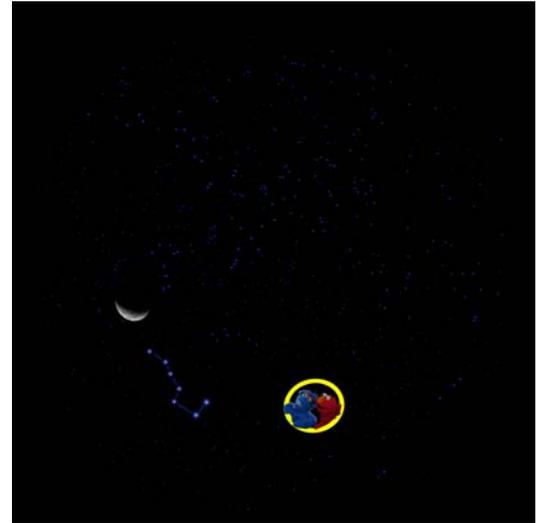
*One World, One Sky* is distributed by Loch Ness Productions.

*One World, One Sky* is a 27-minute full-dome planetarium show that follows *Sesame Street's* Big Bird and Elmo as they explore the night sky with Hu Hu Zhu, a Muppet from *Zhima Jie*, the Chinese co-production of *Sesame Street*.

Together, they take an imaginary trip from Sesame Street to the moon, where they discover how different it is from Earth. Elmo and Hu Hu Zhu teach each other how to say simple words such as "star" and "moon" in their native languages.

When Elmo and Hu Hu Zhu "travel" to the moon, they discover some basic but surprising scientific facts. For example, they can't fly a kite there because there is no wind. The fuzzy friends then excitedly realize that children like to fly kites in both China and the United States! At the end of the show, Big Bird, Elmo, and Hu Hu Zhu pick a friendship star to remind them that no matter how far apart they might be, they can always look into the night sky and cherish their shared memories.

*One World, One Sky* is a brilliant spectacle of light and color as the furry friends watch the stars twinkle over Sesame Street. Children attending the show can interact as they watch, drawing constellations and counting the time it takes the sun to set. The show aims to nurture a child's natural sense of wonder about the night sky while forging cross-cultural connections, and bridging kids across nations through a common bond in learning about the sky together.



Running time: **27** minutes  
Information about: **Sun, Moon, stars**

Suitable for: **Family audiences**  
Year of production: **2008**

Public performance of this show requires the signing of a License Agreement.

One World, One Sky					
THEATER SIZE	ANNUAL ATTENDANCE	2-YEAR LICENSE	PRODUCT CODE	5-YEAR LICENSE	PRODUCT CODE
SMALL	less than 10,000	\$2,500	ADL3-S2	\$3,500	ADL3-S5
MEDIUM	less than 30,000	\$4,000	ADL3-M2	\$5,250	ADL3-M5
INTERMEDIATE	less than 50,000	\$7,000	ADL3-I2	\$9,000	ADL3-I5
LARGE	less than 100,000	\$9,500	ADL3-L2	\$11,000	ADL3-L5
XLARGE	less than 200,000	\$12,000	ADL3-X2	\$13,500	ADL3-X5
GIANT	200,000 or more	\$14,000	ADL3-G2	\$15,000	ADL3-G5

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.



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Revised 30 October 2020

# planet nine



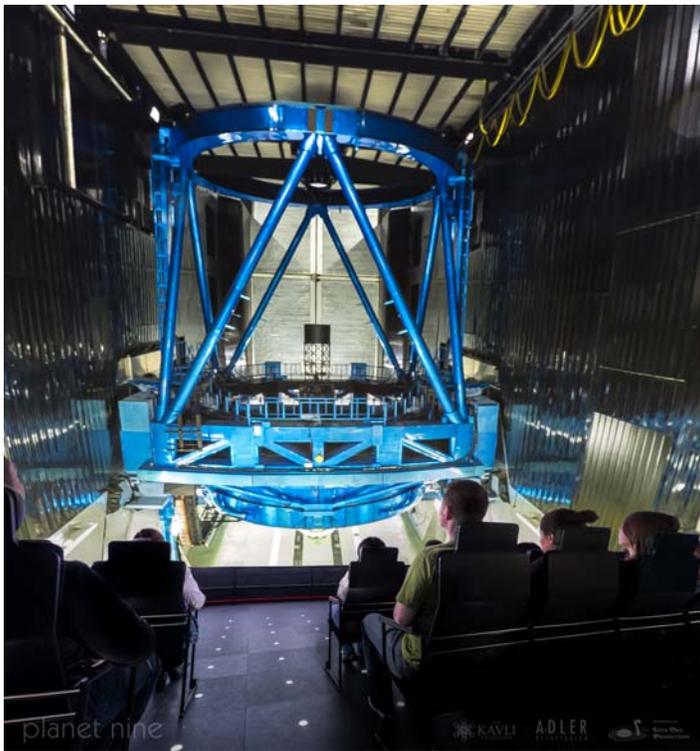
*the search is on.*

Follow Mike Brown and his team at CalTech as they discover evidence of a Kuiper Belt object 10 times more massive than Earth, and embark on the search for a true ninth planet far beyond the orbit of Neptune.



ADLER  
PLANETARIUM





# Planet Nine

Join the Hunt for a Possible Planet!



In July 2015, the *New Horizons* spacecraft gave us our first close look at Pluto, the most famous dwarf planet in the outskirts of our Solar System. The flyby was big news, and the data sent back to Earth revealed a world far more complex than anyone realized. Are there more worlds out there, beyond Pluto? What might such a world be like?



**Planet Nine** tells a tale of the search for another world hidden in the darkness.

Planetary scientist-explorers continually make discoveries about conditions "out there". **Planet Nine** follows Mike Brown and his team at CalTech as they uncover new worlds such as the remarkably bright Eris; tumbling Haumea, an egg-shaped object rotating incredibly fast; and Sedna, whose orbit takes it deep into the far reaches of the Solar System.

Is there a new planet beyond even *these* distant objects?

## Exploring Farther

High-powered telescopes peer out at the sky each night, searching for faint light from distant worlds. Experience a night at the Subaru Telescope in Hawaii, as Brown describes his search for worlds so far away they take thousands of years to orbit the Sun.

## Orbits Tell The Tale

Pluto's own unusual path is a clue to chaotic activities billions of years ago. Could other distant objects "out there" follow equally odd orbits?

Throughout this fascinating show, Mike Brown talks about unusual orbits and describes nights of painstaking robotic searches for new planets. His is a story of modern planet-hunting techniques that have uncovered many new worlds out beyond Neptune.



## Finding Planet Nine

Those distant objects, with their eccentric and ever-changing orbits, may provide clues to the existence of a very large, so-far-undiscovered world. Its existence is inferred by the gravitational effect it has on the orbits of Pluto, Haumea, Eris, and other denizens of the Kuiper Belt.

No one is quite sure where this mysterious world is —

yet. Like the wild orbits that this supposed planet has influenced, **Planet Nine** contains clues that astronomers use to explore the distant reaches. Join in this fascinating tale of observation, discovery, and analysis — and hear firsthand about the life of a modern planet hunter searching out his prey.

Running time: 27 minutes

Year of production: 2016

Suitable for: **General Public**

Information about: **planetary orbits, Kuiper Belt, Pluto, Solar System**

Public performance of this show requires the signing of a License Agreement.

### Destination Solar System

MOVIE SIZE	RESOLUTION	2-YEAR LICENSE	PRODUCT CODE	5-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$3,500	ADL7-S2	\$4,500	ADL7-S5
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$9,500	ADL7-L2	\$11,000	ADL7-L5
SLICED	multiple channels, pre-sliced	\$12,000	ADL7-G2	\$13,500	ADL7-G5

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.



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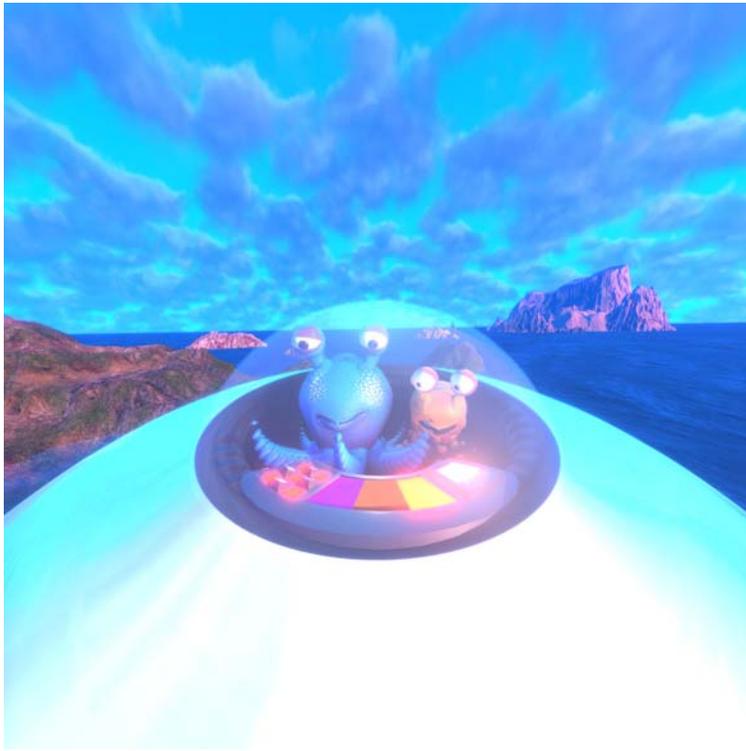
# BO & BUB'S FISHING RIDE

by AXONGENESIS



Distributed by  
**LOCH NESS  
PRODUCTIONS**





## Bo & Bub's Cosmic Ride

*An exhilarating trip from the depths of the ocean to the other side of the galaxy!*

An exciting fulldome show, set to upbeat music, offering fun family-friendly entertainment!

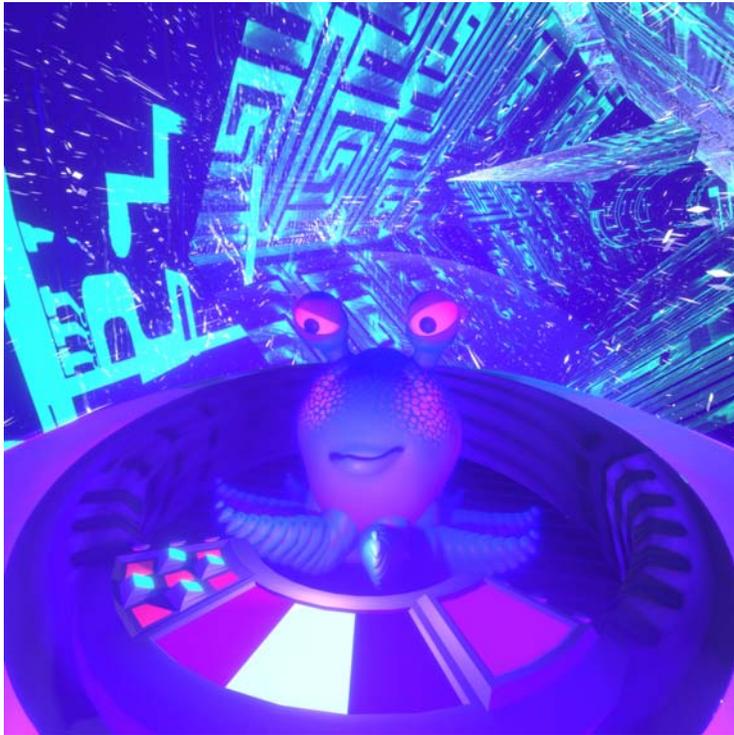
**Bo & Bub's Cosmic Ride** is an exciting fulldome show set to upbeat music offering fun family-friendly entertainment for kids and adults of all ages.

This animated short follows Bo as he hops in his spaceship and zips across the cosmos to pick up his son Bub, waiting after school on another world far away. Bo travels effortlessly in his spaceship from the ocean depths into outer space.



Viewers marvel along on a scenic ride around the Moon, passing close by Mars, Jupiter, and Saturn — before jumping into hyperspace on a wild trip through a wormhole!

Arriving on the other side, Bo flies through a futuristic city floating in space around a white dwarf star. Bo and Bub are reunited, and make their way back. They have a blast along the way and return home safely to the ocean for further adventures.



This cute little show harkens back to the days of silent movies — but with a modern, animated twist.

The story tells itself through visuals and action, giving audiences a chance to imagine what Bo is thinking as he speeds through the cosmos to pick up his son, and what Bub is thinking on the ride home. It's a cute, family-friendly short animation, set to Axon Genesis' distinctive, vibrant music.

Axon Genesis is the sole work of Stephen Walker, a multi-disciplinary artist and developer, based in Austin, Texas. Known for his fulldome animated feature **Horizons of the Future**, Stephen's work is made using custom-built animation tools in Unity game engine, leveraging real-time rendering as a production tool.



This short is 5 minutes long, so you can treat all your audiences with **Bo & Bub's Cosmic Ride!**

Running time: **4:53**      Year of production: **2022**  
 Suitable for: **General audiences**  
 Original music and Animation: **Axon Genesis**  
 Narration: **None** (onscreen credits: English)

Public performance of this show requires the signing of a License Agreement. Visit our Web site for details.

PRICES INCLUDE encoding/formatting and slicing for most fulldome systems. Contact us for details.

### Bo & Bub's Cosmic Ride

MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$495	AXG2-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$995	AXG2-L
SLICED	multiple channels, pre-sliced	\$1,695	AXG2-G



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Revised 25 March 2023

# HORIZONS OF THE FUTURE



a music visual experience by  
**AXONGENESIS**



Distributed by  
**LOCH NESS  
PRODUCTIONS**





# Horizons of the Future

*An immersive visual and sonic journey into the future, and beyond!*

Take an awe-inspiring flight through gravity-defying cities, geometric wonders, and imaginative architecture from other worlds! *Horizons of the Future* is a sci-fi dream with mesmerizing 3D visuals synchronized to uplifting electronic psytrance music. It's sure to inspire and awaken the dreamer within.

*Horizons of the Future* is a fantastic road trip into possibility! This comfortable, elevating fulldome work winds through endless immersive landscapes and constantly evolving scenery accompanied by pulsing, relaxing music. Its gentle immersive journey accompanies viewers into a state of timeless exploration in new and wondrous places.

As an entertainment piece, *Horizons of the Future* also explores intertwining themes and visions of nature and technology. At times, they are in conflict; at other times in harmony. Each scene provides a sense of transformation and renewal, leaving the viewer in a contemplative afterglow.



The soundtrack is composed intentionally at a tempo of 110 beats per minute, for the body to relax while also stimulating the imagination. It's paired with colorful, intricately choreographed animation, creating a magical and transporting present-moment awareness.

Often audiences don't realize how much time has passed, as they experience the show. Some say they feel like they've emerged from another dimension. There is so much to see that many people return to experience the show again and again.

*Horizons of the Future* is the sole work of Stephen Walker, a multi-disciplinary artist, developer, and music producer working under the name Axon Genesis. This work leverages his years of experience as a motion graphics designer, visual effects artist, and game developer.

Stephen brings a unique aesthetic to his show, blending reimagined retro-futuristic styles with modern graphics and influences from geometric and shamanic forms. Through his shows he strives to create multi-sensory, mind-expanding experiences that inspire and awaken creativity in others.



*Horizons of the Future* provides an affordable feature-length entertainment piece for domes of all sizes. It brings modern visualization and motion graphics worlds to audiences.

**WARNING:** This experience is not recommended for some viewers with photosensitivity or epilepsy. For about 3% of these people, exposure to flashing lights and visual patterns at certain intensities and frequencies can trigger seizures. While the producer has taken measures to avoid aggressive strobing lights in this show, it does contain regularly timed pulsing lights and colors synchronized to the 110BPM music.

Running time: **25:00** Year of production: **2020**  
 Suitable for: **General audiences**  
*Not recommended for young children, or viewers with photosensitivity issues.*  
 Music: **Downtempo, electronic, chill, progressive psytrance**  
 Narration: **None** (onscreen credits: English)

Public performance of this show requires the signing of a License Agreement. Visit our Web site for details.

PRICES INCLUDE encoding/formatting and slicing for most fulldome systems. Contact us for details.

Horizons of the Future					
MOVIE SIZE	RESOLUTION	1-YEAR LICENSE	PRODUCT CODE	50-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$2,245	HOF-S1	\$3,495	HOF-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$4,995	HOF-L1	\$8,495	HOF-L
SLICED	multiple channels, pre-sliced	\$8,495	HOF-G1	\$14,495	HOF-G



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Revised 25 March 2023

بوسا  
PRESENTS

# WAYHA



Distributed by  
  
LOCH NESS PRODUCTIONS

visuals by  
**AXONGENESIS**

  
360°  
FULDDOME



# Wayha

*An immersive music video collaboration  
by BOSA and Axon Genesis*

Wayha is an immersive music video set to the tribal world sounds of BOSA, taking viewers on a fantastic journey following the migratory flight of the phoenix. Representing a celebration of rebirth and renewal, Wayha is a music-visual exploration of our deep connection with nature and the cycles that continuously bring life into the world.

## BOSA (boss-a)

BOSA's future forward, world-inspired sound is a projection of the inner world of Producer, multi-instrumentalist and DJ Stephan Jacobs. Jacobs channels his French-Moroccan / Lebanese heritage, and the influences he's absorbed through his decades long career as an international touring DJ, into a new project and sound that's truly global.



## Axon Genesis

Axon Genesis is the work of Stephen Walker, a multi-disciplinary artist, music producer, and software developer based in Austin, Texas. With a passion for mind-expanding art and music, his vision is to use cutting-edge technology to create innovative art and immersive experiences. Leveraging the capabilities of Unity game engine, Axon Genesis has developed a custom animation system with an emphasis on music synchronization which is the basis for his music videos and published full-dome shows.



## Collaborations

Stephan Jacobs (BOSA) and Stephen Walker (Axon Genesis) have collaborated on numerous projects over the years, most notably the music videos *Colors of the Sun* and *Behemoth*. Axon also designed the BOSA logo and has created cover art for numerous music releases. They are also longtime friends and founding members of the hugely popular Producer's Social music community and music production workshop, which hosts monthly meetup events for up-and-coming producers to support each other and get feedback from other pros and respected artists. They hosted monthly Producer's Social meetups in Los Angeles, San Francisco, and other cities as far as Bangkok, with multiple compilations published and countless events held.

Running time: **4:22** Year of production: **2022**  
 Suitable for: **General Public** Information: **Fantasy, Music Video**  
 Music contains made-up lyrics with no meaning or language nor pertaining to any language. English title/credits.

Public performance of this show requires the signing of a License Agreement. Visit our Web site for details.

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.

Wayha			
MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$395	AXG3-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$795	AXG3-L
SLICED	multiple channels, pre-sliced	\$995	AXG3-G



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*Now available from Loch Ness Productions!*

# BEYOND THE ARCTIC CIRCLE

EXPERIENCE THE NORTH  
WITH AN UNPRECEDENTED  
SENSE OF REALITY



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**LOCH NESS  
PRODUCTIONS**



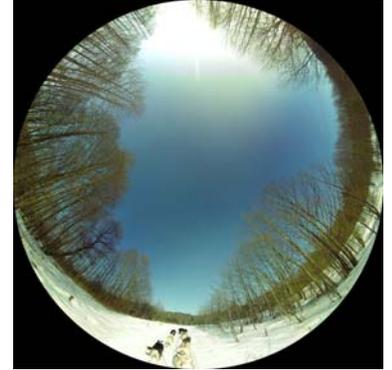
# Beyond The Arctic Circle

*A Fulldome Trek through the Arctic Tundra*

*From Benjamin River Productions*

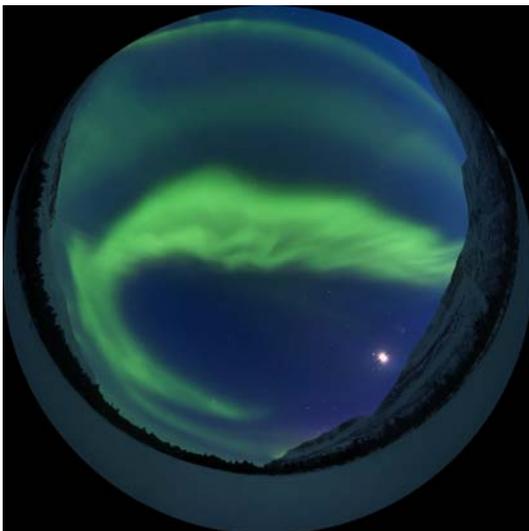
**Beyond the Arctic Circle** is a live-action fulldome film that takes viewers on a journey to the North country to learn about the nature and wildlife of the regions within the Arctic Circle. Audiences see the expedition through the eyes of a grandfather telling a story to his grandson about a journey in search of a mythical fox.

We take off on a husky sled and ride through the snowy forests of Lapland. Along the way, we learn about the taiga biome and evergreen trees. As we go farther north the lush boreal forests give way to vast white plains where it's hard to imagine any life could exist.



We arrive in the Arctic tundra — the home of the reindeer and twenty other animal species. How do they survive and what they eat? Don't they get cold out there? With its permanently frozen soil and limited amount of sunlight, this barren-seeming place is home to about 1,700 varieties of plants able to exist in such extreme conditions.

As the journey comes to an end and it gets dark, the special fox is still nowhere to be found. Suddenly, in the middle of the night, the skies light up as the mythical creature of ancient Sami legend runs across the Arctic fells and lights up the sky with sparks flying from its tail, exciting the glorious aurora borealis — the Northern Lights.



**Beyond the Arctic Circle** is the first live-action film from the series "Natural Wonders of the World", which takes viewers to the most exhilarating locations on our planet to experience and learn about the amazing diversity of the life.

<b>Beyond The Arctic Circle</b>			
MOVIE SIZE	RESOLUTION	1-YEAR LICENSE	PRODUCT CODE
SMALL	smaller than 1300 pixels	\$3,000	BAC-S1
MEDIUM	1300 to 2000 pixels	\$5,000	BAC-M1
LARGE	2000 to 3000 pixels	\$10,000	BAC-L1
X-LARGE	larger than 3000 pixels	\$12,000	BAC-X1
SLICED	sliced for multiple projectors	\$15,000	BAC-G1

<b>Beyond The Arctic Circle</b>			
MOVIE SIZE	RESOLUTION	10-YEAR LICENSE	PRODUCT CODE
SMALL	smaller than 1300 pixels	\$7,500	BAC-S
MEDIUM	1300 to 2000 pixels	\$11,400	BAC-M
LARGE	2000 to 3000 pixels	\$14,000	BAC-L
X-LARGE	larger than 3000 pixels	\$17,000	BAC-X
SLICED	sliced for multiple projectors	\$19,000	BAC-G

Running time: **18:30** Year of production: **2013**  
 Suitable for: **General public**  
 Information about: **Nature, wildlife, Arctic environment, aurorae**

PRICES INCLUDE encoding/formatting and slicing for most fulldome systems. Contact us for details.

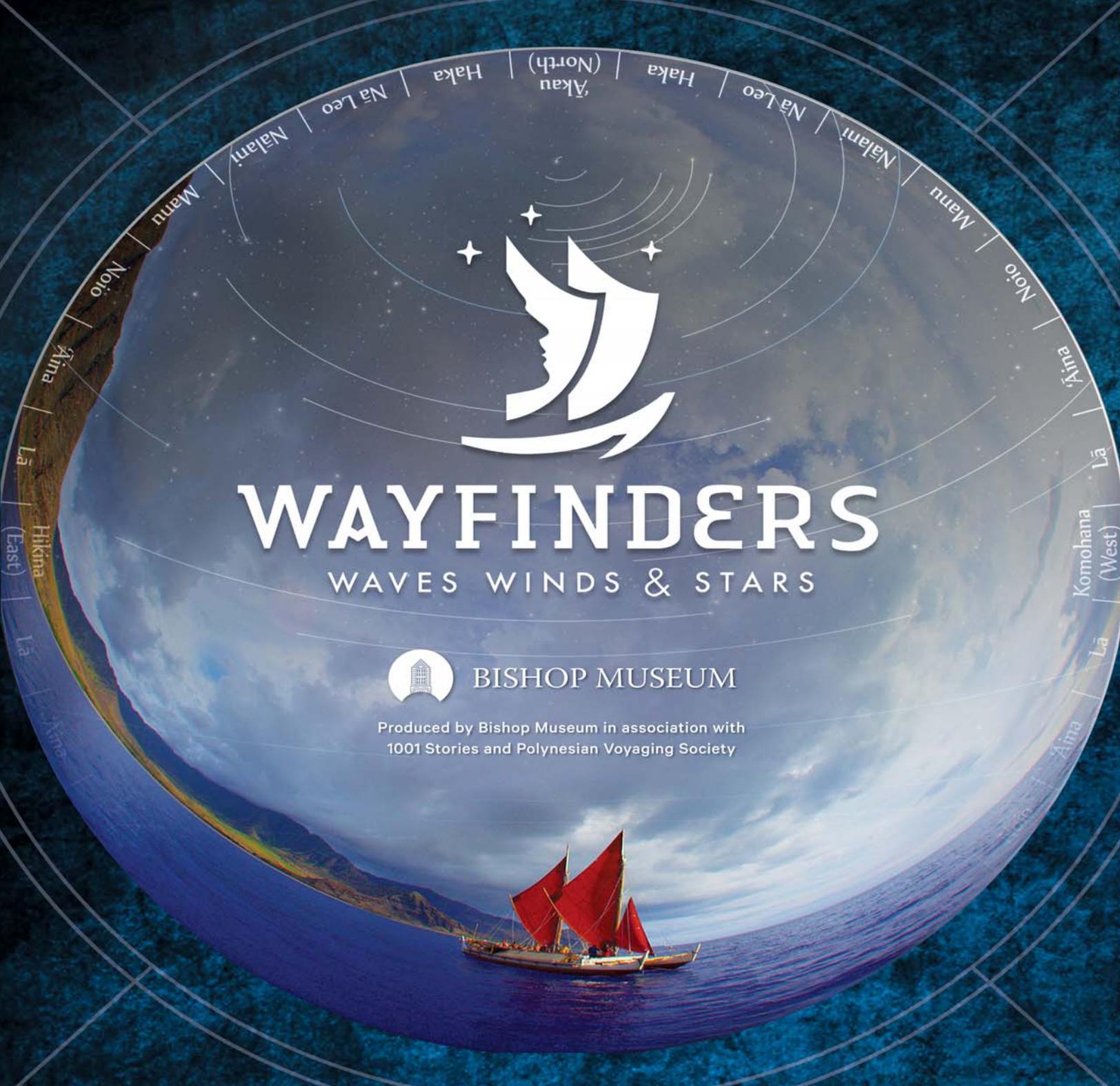


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# WAYFINDERS

WAVES WINDS & STARS



BISHOP MUSEUM

Produced by Bishop Museum in association with  
1001 Stories and Polynesian Voyaging Society





# Wayfinders: Waves Winds and Stars

## The 5,000-year story of voyaging in the Pacific

Produced by  
Bishop Museum

Sail on the deck of the voyaging canoe Hōkūle'a and explore traditional Polynesian navigation. Learn how to read the stars and interpret the winds and waves to navigate without modern instruments. This live-action film tells the story of the Polynesian Voyaging Society and the recovery of the nearly lost art and science of traditional, non-instrument navigation in Hawai'i and the Pacific.

Across the ocean, where the sky meets the sea, most people only saw the horizon. But, the wayfinder could see and feel far more.

**Wayfinders** tells the story of the spread of people out of Southeast Asia throughout the Pacific. They explored the islands and learned to move between them using only the signs of the natural world, including the stars. Eventually they reached Hawai'i and sailed vast distances. Around 600 years ago these long ocean voyages had all but stopped as the populations became self-sustaining. The navigational knowledge and skill faded from cultural memory.

The Polynesian Voyaging Society was founded by native Hawaiian artist Herb Kane, sailor Tommy Holmes, and anthropologist Ben Finney in 1973. They built a replica double-hulled wa'a (canoe) in the spirit of those used hundreds of years before. They intended to sail to Tahiti and back without modern navigation instruments. They named it Hōkūle'a after the star of joy, also known as Arcturus. Mau Piailug of Satawal, Micronesia, agreed to be their navigator. He recognized the traditional art of wayfinding was in danger of disappearing. In 1976, he successfully navigated Hōkūle'a from Hawai'i to Tahiti without using modern instruments.

A young Hawaiian named Nainoa Thompson was inspired by this accomplishment and convinced Mau to return to Hawai'i to share his wayfinding knowledge. Nainoa spent countless hours with Mau studying the movement of the stars and learning to read the waves. Mau shared with Nainoa his star compass based on the rising and setting stars in Micronesia. Nainoa adapted this to create his Hawaiian Star Compass that would work in any part of the Pacific. In 1980, Nainoa became the first Hawaiian in 600 years to navigate to Tahiti in the traditional way.



Later, University of Hawai'i scholars and the Polynesian Voyaging Society developed the Hawaiian Star Families. These families divide the sky into four segments connecting stars north to south. Three of the four can be seen throughout the night. By memorizing the stars in each family and their relation to each other, a navigator can find the positions of all the other stars, even when part of the sky is obscured. Over the next several decades, the Polynesian Voyaging Society sailed to all corners of the Polynesian Triangle, visiting Aoteroa (New Zealand) and Rapa Nui (Easter Island) and many other islands in between. Hōkūle'a's voyages renewed a sense of pride in the Hawaiian people and reconnected the islands and people of Polynesia.



The video stands on its own as a 25-minute show. Integrating four live, instructor-led elements (included in the script) can immerse the audience in an interactive learning experience. The first two live segments build to the third: a virtual trip from Hawai'i to Tahiti and back with the audience determining when they have returned to Hawai'i.

**Wayfinders** was produced in Hawai'i by Bishop Museum and 1001 Stories in collaboration with the Polynesian Voyaging Society.

Running time: **24:03** Year of production: **2014** Suitable for: **General public**  
Information about: **Celestial navigation, Hawaiian and Polynesian history**

Public performance of this show requires the signing of a License Agreement.

Wayfinders					
MOVIE SIZE	RESOLUTION	1-YEAR LICENSE	PRODUCT CODE	10-YEAR LICENSE	PRODUCT CODE
SMALL/ MEDIUM	single channel, smaller than 2000 pixels	\$2,500	WYF-S1	\$7,500	WYF-S
LARGE/ X-LARGE	single channel, larger than 2000 pixels	\$4,000	WYF-L1	\$9,000	WYF-L
SLICED	multiple channels, pre-sliced	\$4,000	WYF-G1	\$9,000	WYF-G

PRICES INCLUDE encoding/formatting and slicing for most fulldome systems. Contact us for details.



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# EARTHQUAKE

*Evidence of a Restless Planet*

## Prepare to be moved

Take a breathtaking tour through space and time in a full-dome production that makes you look at Earth in a whole new way.

Fly along the San Andreas Fault before diving into the planet's interior, travel back in time to witness the 1906 San Francisco earthquake and the break-up of Pangaea 200 million years ago, visit the sites of historical earthquakes from the Mediterranean Sea to the Pacific Ocean, and learn how scientists and engineers collaborate to build a safer environment.

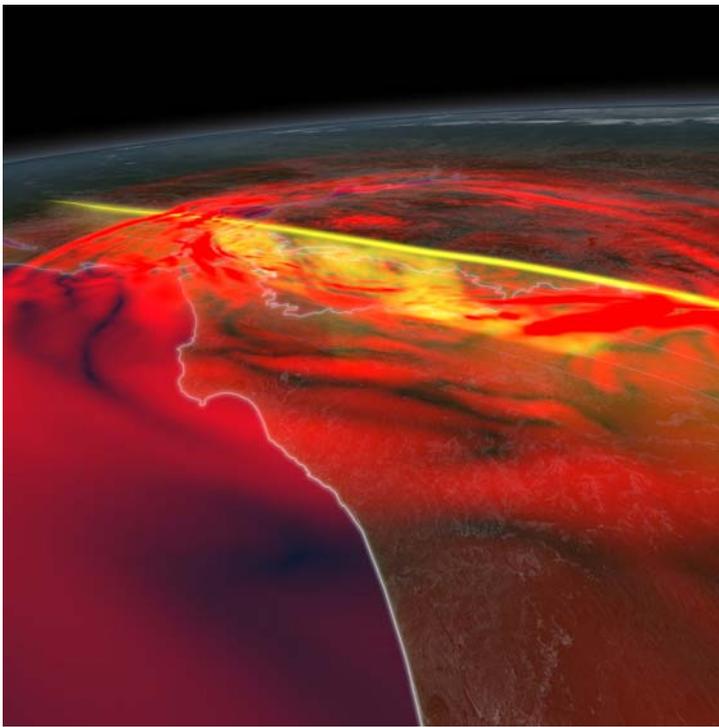
Narrated by Benjamin Bratt.



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# Earthquake: Evidence of a Restless Planet

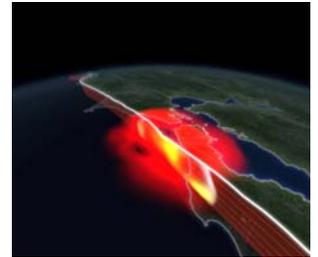
**Prepare to be moved!**

**Narrated by Benjamin Bratt**

Take a breathtaking tour of our ever-active planet. Fly to sites of historic earthquakes and envision a future made safer from seismic events.

Travel through space and time in a full-dome production that makes you look at Earth in a whole new way.

A sweeping geological journey, **Earthquake: Evidence of a Restless Planet** explores the forces that transform the surface of our planet.

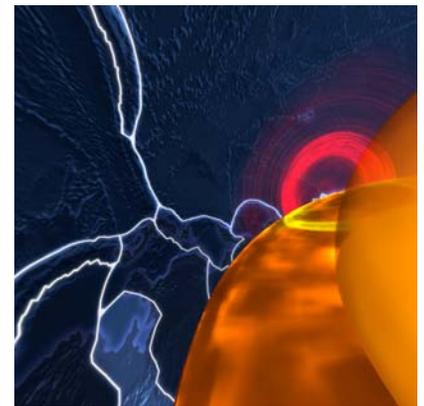


Fly along the San Andreas Fault before diving into the planet's interior. Journey back in time to witness the 1906 San Francisco earthquake, and the break-up of Pangaea 200 million years ago.

Visit the sites of historical earthquakes from the Mediterranean Sea to the Pacific Ocean.

Learn how scientists and engineers collaborate to help society prepare for a safer environment — and a safer future.

Data-driven visualizations illustrate Earth's story, revealing how subtle motions and sudden ruptures have shaped our planet over eons — and how geological activity influences the course of human history.



**Earthquake: Evidence of a Restless Planet** was written by Ryan Wyatt and produced by the visualization studio of the California Academy of Sciences.

Running time: **22:30**    Suitable for: **General Public**    Information about: **Earth, plate tectonics, history**    Year of production: **2012**

## Earthquake: Evidence of a Restless Planet

MOVIE SIZE	RESOLUTION	1-YEAR LICENSE	PRODUCT CODE	3-YEAR LICENSE	PRODUCT CODE	10-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$3,750	CAS4-S1	\$5,750	CAS4-S3	\$7,250	CAS4-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$6,750	CAS4-L1	\$10,250	CAS4-L3	\$12,750	CAS4-L
SLICED	multiple channels, pre-sliced	\$13,500	CAS4-G1	\$20,500	CAS4-G3	\$25,500	CAS4-G

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.

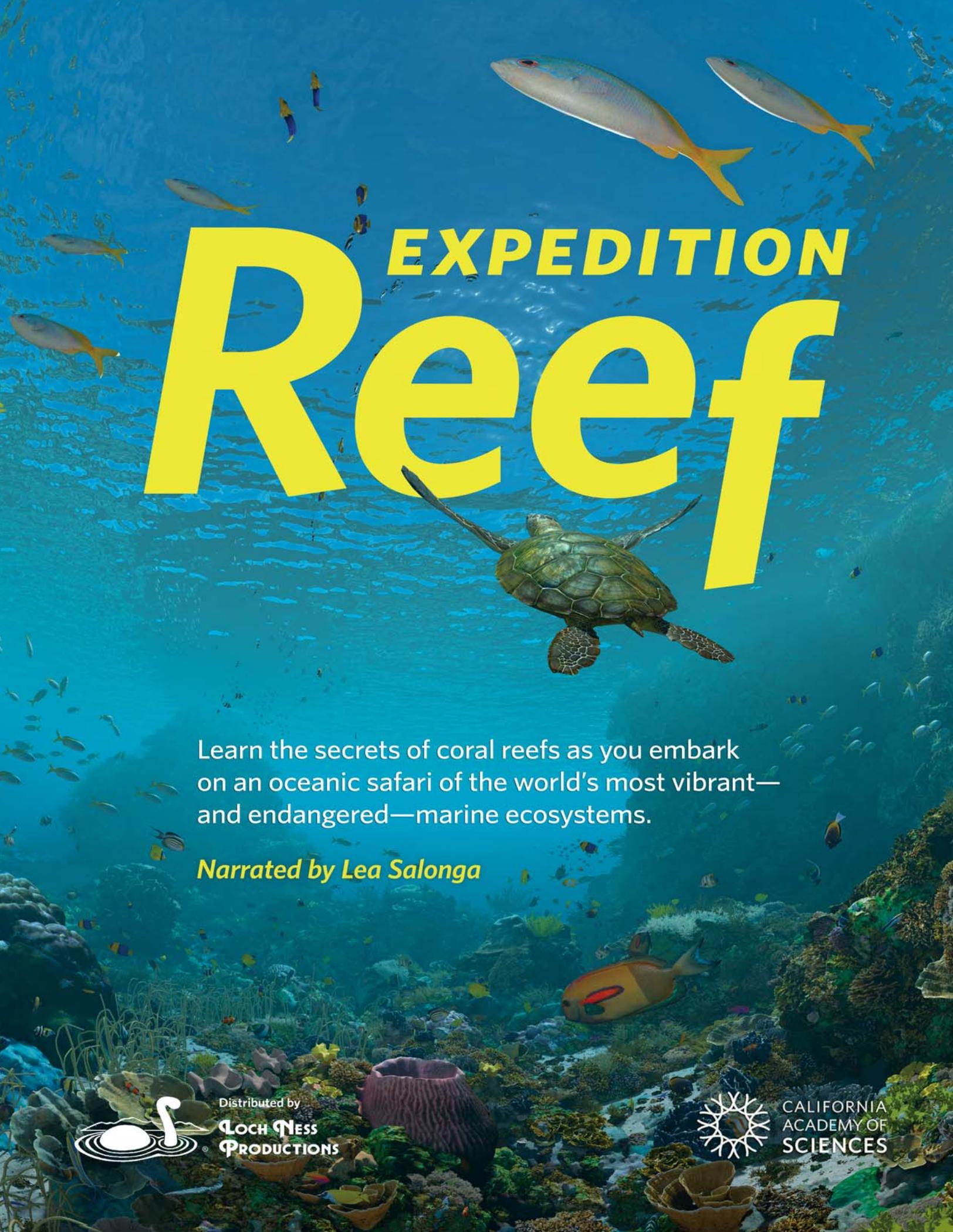


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# EXPEDITION Reef

Learn the secrets of coral reefs as you embark on an oceanic safari of the world's most vibrant—and endangered—marine ecosystems.

*Narrated by Lea Salonga*



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# Expedition Reef

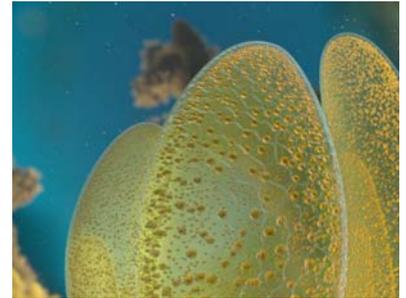
Hope for reefs in a changing world

Narrated by Lea Salonga

The Academy's 2018 full-dome show reveals the breathtaking beauty and biodiversity of coral reefs in exquisite detail — and the actions scientists are taking to restore and preserve them.

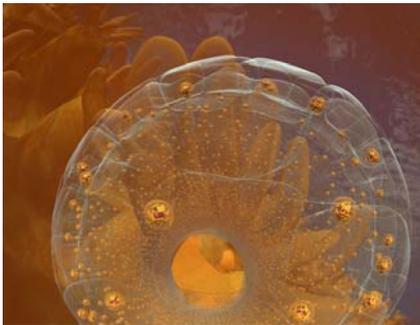
Learn the secrets of the "rainforests of the sea" as you and your visitors embark on an oceanic safari to the world's most vibrant — and endangered — marine ecosystems.

**Expedition Reef**, narrated by Tony Award® winner Lea Salonga, will immerse audiences in an undersea adventure. This full-dome planetarium show provides



an up-close look at a part of our planet many people have never experienced. Discover how corals grow, feed, reproduce, and support over 25% of all marine life on Earth — while facing unprecedented threats from climate change, habitat destruction, and overfishing.

**Expedition Reef** starts at the Academy's Philippine Coral Reef exhibit. Thousands of tropical fish and colorful corals thrive in one of the largest and deepest indoor displays of living corals. Then, we venture across the globe and below the ocean's surface to learn about the biology of corals, and how reefs support some of the planet's most complex food webs.



We come face-to-face with slithering moray eels being groomed by dutiful cleaner shrimp and wrasses; a Trapezia crab squares off with a crown-of-thorns starfish; and other-worldly nudibranchs dine on tasty meals of sponges.

These vivid scenes result from hundreds of hours of animation design, production, and collaboration between scientists and the visualization team, referencing 360° footage and high-resolution images collected by Academy divers.



The incredible level of detail in **Expedition Reef** is backed by cutting-edge research from biologists and oceanographers worldwide. Their work shows that global coral reefs are being pushed to their limits.

For a truly global perspective, the show also visualizes the network of reefs on a planetary scale. Although they line about a third of tropical coastlines, reefs comprise less than one percent of the world's ocean environments, showing how precious and fragile these systems are. Scientists are racing the clock to develop sustainable solutions before these areas disappear forever. Their research and recommendations can inform public policy decisions through this show.

**Expedition Reef** is a compelling and important story to tell. General audiences as well as students on specialized school visits will gain an appreciation of the splendor of the reefs. We invite you to license this show for your dome today!

Running time: **25:40**

Suitable for: **General Public**

Information about: **Coral reefs, marine ecosystems**

Year of production: **2018**

## Expedition Reef

MOVIE SIZE	RESOLUTION	1-YEAR LICENSE	PRODUCT CODE	3-YEAR LICENSE	PRODUCT CODE	10-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$5,000	CAS7-S1	\$7,500	CAS7-S3	\$9,500	CAS7-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$9,000	CAS7-L1	\$13,500	CAS7-L3	\$17,000	CAS7-L
SLICED	multiple channels, pre-sliced	\$18,000	CAS7-G1	\$27,000	CAS7-G3	\$34,000	CAS7-G

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.

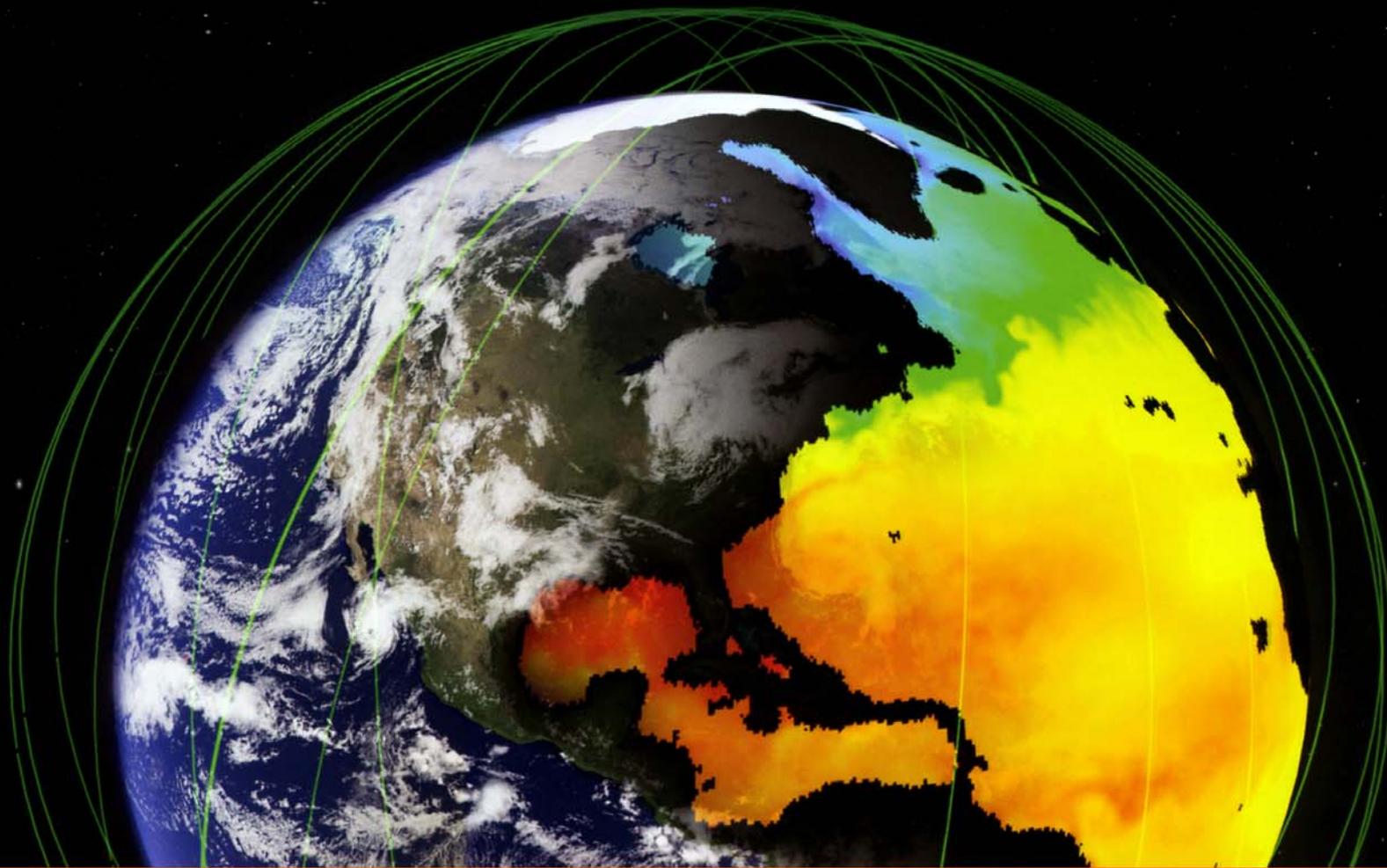


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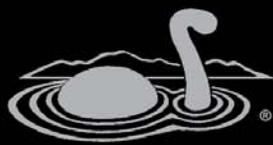


# FRAGILE PLANET

Travel 120 million light-years to rediscover home

NARRATED BY  
**Sigourney Weaver**

Distributed by:



**LOCH NESS  
PRODUCTIONS**



**CALIFORNIA  
ACADEMY OF  
SCIENCES**



# Fragile Planet: Earth's Place in the Universe

*Travel 120 million light-years to rediscover home!*

Narrated by Sigourney Weaver

*Fragile Planet* combines scientific visualization with movie-making magic, highlighting Earth's special place in the universe as the only known haven for life.

Develop a renewed appreciation for our fragile planet through the lens of astronomy, as Sigourney Weaver guides audiences on an immersive excursion that explores a universe filled with the possibility of life.

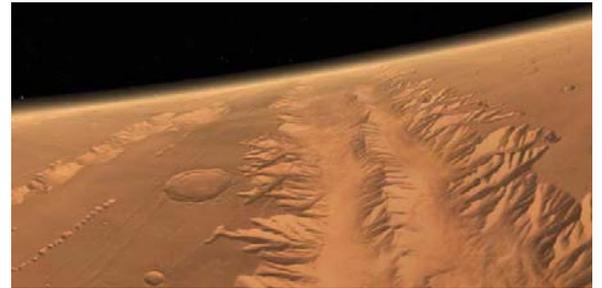
*Fragile Planet* starts with an astronaut's view highlighting Earth's unique regions. The journey then continues to the Moon, Mars, and beyond the Milky Way to search for habitats that might host extraterrestrial life. The show's theme — that Earth is the only known haven for life, and thus is important to protect — echoes the themes of biodiversity and sustainability.



The foundation of the show lies in scientific visualization, utilizing observed data as the starting point for the imagery. More than three dozen researchers and institutions provided data in support of *Fragile Planet*; their contributions range from high-resolution satellite imagery of Earth to the positions of galaxies more than 50 million light years away.

From the three-dimensional terrain of Valles Marineris on Mars to the locations of extrasolar planetary systems in interstellar space, everything audiences see in *Fragile Planet* is based on astronomers' best understanding of the universe. Scenes requiring extrapolation from known observations were developed with the assistance of researchers with expertise in the relevant topics.

*Fragile Planet* was written and produced by the visualization studio of the California Academy of Sciences. For two sequences in the show, they collaborated with the National Center for Supercomputing Applications (NCSA) at the University of Illinois at Urbana-Champaign. The spectacular visuals are augmented by an evocative, multi-dimensional sound environment by renowned giant-screen composer Michael Stearns.



Running time: **25:00**      Suitable for: **General Public**      Information about: **Astronomy and space.**      Year of production: **2008**

## Fragile Planet: Earth's Place in the Universe

MOVIE SIZE	RESOLUTION	1-YEAR LICENSE	PRODUCT CODE	3-YEAR LICENSE	PRODUCT CODE	10-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$3,750	CAS1-S1	\$5,750	CAS1-S3	\$7,250	CAS1-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$6,750	CAS1-L1	\$10,250	CAS1-L3	\$12,750	CAS1-L
SLICED	multiple channels, pre-sliced	\$13,500	CAS1-G1	\$20,500	CAS1-G3	\$25,500	CAS1-G

PRICES INCLUDE encoding/formatting and slicing for most fulldome systems. Contact us for details.



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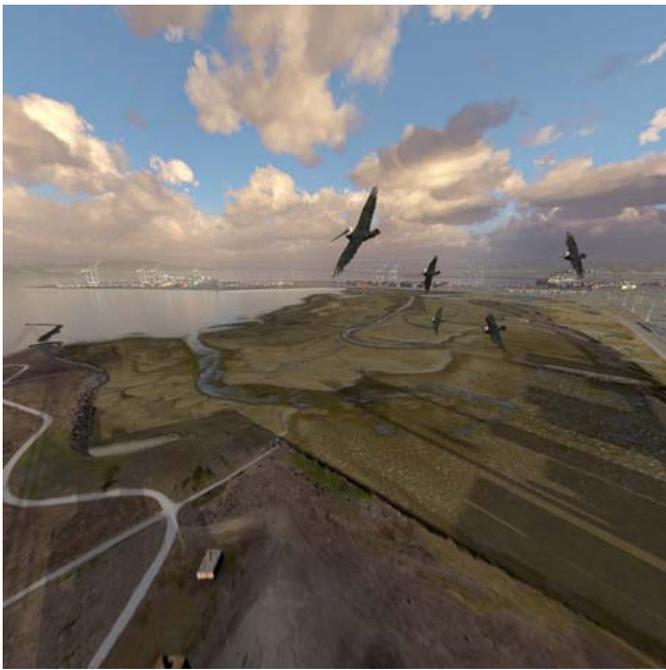


# Habitat Earth

LIVING IN A CONNECTED WORLD



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# Habitat Earth

## Living In A Connected World

Narrated by Frances McDormand

A full-dome exploration of what it means to live in today's connected world, where biological networks intersect with those built by humans.

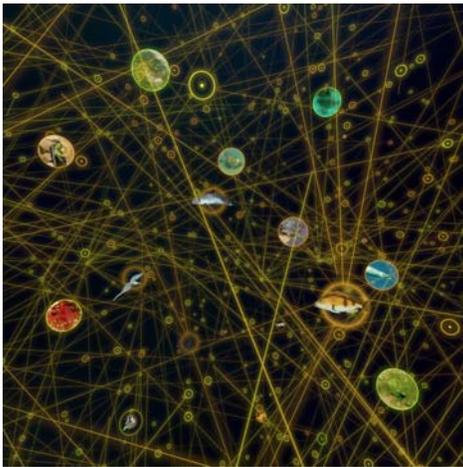
Living networks connect and support life forms large and small — from colonies of tiny microbes and populations of massive whales to ever-expanding human societies.

In the California Academy of Sciences' 2015 original planetarium show, **Habitat Earth**, discover what it means to live in today's connected world.



Through stunning visualizations of the natural world, dive below the ocean's surface to explore the dynamic relationships found in kelp forest ecosystems, travel beneath the forest floor to see how Earth's tallest trees rely on tiny fungi to survive, and journey to new heights to witness the intricate intersection between human and ecological networks.

Narrated by Academy award-winning actor Frances McDormand, this 2015 show from the Morrison Planetarium features stunning visualizations of both biological and human-built networks (and of how they intersect), taking show-goers on an incredible, immersive journey through the interconnectedness of life on Earth.



"In **Habitat Earth**," says Ryan Wyatt, Director of Morrison Planetarium, "we're advancing the boundaries of traditional planetarium content, which focuses primarily on astronomy and space." Instead of looking solely to the stars, the Morrison team is using advanced digital tools and scientific data to tell stories that are uniquely Earth-focused.

The show details the ways humans fit into this ever-evolving story of connection. And along the way, audiences will learn more about what we can do to ensure that our cohabitation with the natural world leaves a healthy, sustainable planet for generations to come.



Running time: 24:20    Suitable for: **General Public**    Information about: **Ecology, habitats, biology, microbes, nature**    Year of production: 2015

### Habitat Earth

MOVIE SIZE	RESOLUTION	1-YEAR LICENSE	PRODUCT CODE	3-YEAR LICENSE	PRODUCT CODE	10-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$5,000	CAS5-S1	\$7,500	CAS5-S3	\$9,500	CAS5-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$9,000	CAS5-L1	\$13,500	CAS5-L3	\$17,000	CAS5-L
SLICED	multiple channels, pre-sliced	\$18,000	CAS5-G1	\$27,000	CAS5-G3	\$34,000	CAS5-G

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.



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Revised 25 March 2023

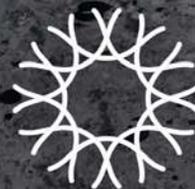
# ***INCOMING!***

*Asteroids, Comets, and the Hard-Hitting  
Stories of Our Cosmic Origins*

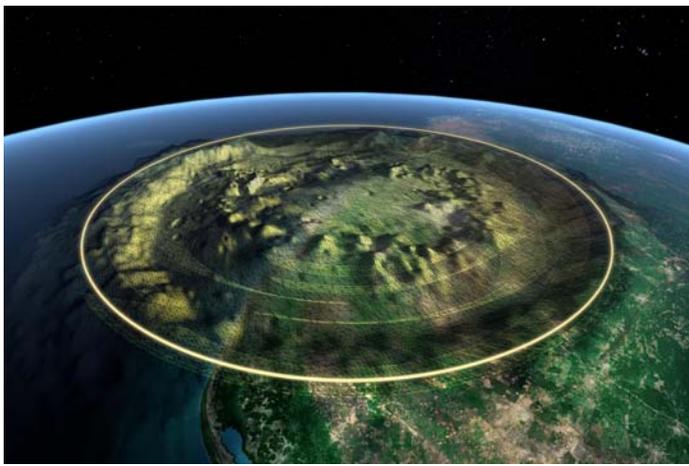
Narrated by George Takei



Distributed by  
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CALIFORNIA  
ACADEMY OF  
SCIENCES



# Incoming!

## Asteroids, Comets, and the Hard-Hitting Stories of Our Cosmic Origins

Narrated by George Takei

Discover what impacts from above can teach us about the history of our planet, the solar system, and the universe!

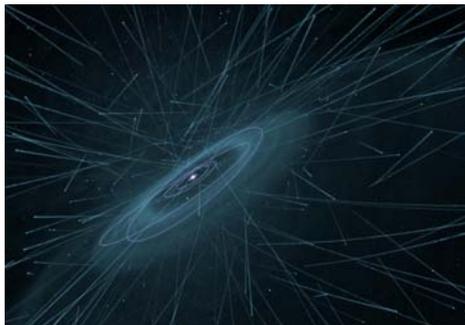
Asteroids and comets have collided with our planet throughout its history, changing the course of life on Earth and shaping the world we know today.

**Incoming!**, the 2016 original planetarium show from the California Academy of Sciences, explores the past, present, and future of our Solar System and the landmark discoveries scientists have made sending spacecraft to visit tiny worlds.

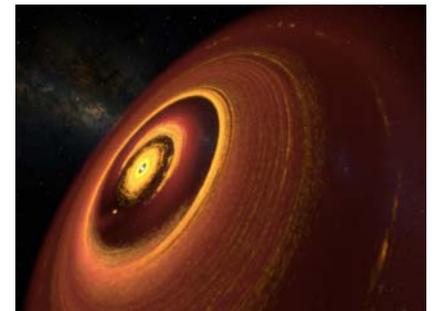
Cutting-edge visualizations bring real-time data from current NASA missions to life while taking audiences on a ride through the dynamic story of our cosmic origins. Along the way, audiences discover what these impacts from above can teach us — and how scientific advances may allow us to find and track cosmic threats before they reach planet Earth.



The show opens with a lizard's-eye view of the Arizona desert and the Barringer Meteor Crater. This scar on Earth's surface formed almost 50,000 years ago when an asteroid smashed into the landscape and vaporized on impact. Highlighting the recent Chelyabinsk fireball, **Incoming!** uses observed data to recreate the precise path of the meteor's atmospheric entry, allowing audiences to ride along with the planet-sized asteroid.



Throughout the show, viewers tag along with robot explorers, zooming by rocky asteroids, icy comets — and even the dwarf planet Pluto. While astronauts have only traveled as far as our nearest neighbor in space, the Moon, spacecraft continue to venture to mysterious worlds beyond, to make landmark observations and collect valuable data about this final frontier.



**Incoming!** also gives audiences a closer look at the scientific advances that may allow us to find and track cosmic threats before they reach Earth. The show concludes with glowing nighttime views of Chile's Large Synoptic Survey Telescope,

which, once completed, will survey the entire sky every few days, observing and detecting faint moving objects, including asteroids and other Near-Earth Objects.

Running time: **25:33** Suitable for: **General Public** Information about: **Asteroids, comets, meteors, New Horizons/Pluto, Dawn/Vesta, NEOs.**

### Incoming!

MOVIE SIZE	RESOLUTION	1-YEAR LICENSE	PRODUCT CODE	3-YEAR LICENSE	PRODUCT CODE	10-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$5,000	CAS6-S1	\$7,500	CAS6-S3	\$9,500	CAS6-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$9,000	CAS6-L1	\$13,500	CAS6-L3	\$17,000	CAS6-L
SLICED	multiple channels, pre-sliced	\$18,000	CAS6-G1	\$27,000	CAS6-G3	\$34,000	CAS6-G

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Revised 25 March 2023

# LIFE

A COSMIC STORY

## *How did **life** on **Earth** begin?*

This tantalizing question forms the basis of *Life: A Cosmic Story*. Take a journey through time and witness key events since the Big Bang that set the stage for life.

Distributed by



Narrated by Academy Award Winner  
**Jodie Foster**



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SCIENCES

How did life on Earth begin? This tantalizing question forms the basis of a magnificent production by the California Academy of Sciences Morrison Planetarium.

# Life: A Cosmic Story

*A high-speed ride through the history of life!*

Produced by California Academy of Sciences

**Life: A Cosmic Story** begins in a redwood forest, with the sounds of wind and life. One redwood looms larger, and as we approach its branches and enter one of its leaves, we adjust our perspective to the microscopic scale inside a cell. We see a pared-down version of its inner workings, learning about the process of photosynthesis and the role of DNA. This scene sets the stage for the story of life.

*Life: A Cosmic Story tells the 14-billion-year saga of how we came to be. It's a journey from the microscopic view inside a plant cell to the vastness of our universe populated by billions of galaxies swirling in space.*

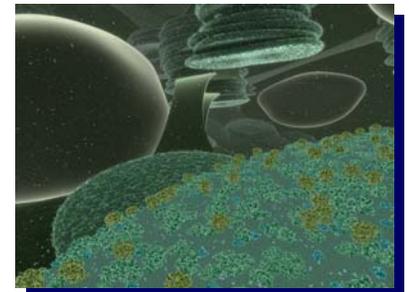
We then leap backward billions of years to the origin of elements themselves. The early Universe contained mostly dark matter, which drew hydrogen and helium together to form the first stars. The carbon and heavier elements required by living organisms came from generations of stars.



We continue our journey, diving into the Milky Way Galaxy as it was several billion years ago. We approach a region in which stars are forming, where we encounter a protoplanetary disk surrounding our newborn Sun. We arrive at the young Earth, splashing down in deep water to visit a hydrothermal vent and to examine the formation of organic molecules. We then travel above a volcanic island to encounter an enriched "hot puddle" of water, in which nucleotides (building blocks of RNA and DNA) may have wrapped themselves in protective vesicles.



The show leaps forward in time, showing the movement of continents and the changing environment for life. Finally, we reach modern Earth, circling the globe to review the evidence for the story we have heard. Much of what we understand about evolution we have pieced together from the fossil record, but we can also reassemble evolutionary history by studying life that surrounds us today.



As we learn that all life shares a common ancestry and common chemistry, we pull away from individual images of life, and we end the show as we see their three-dimensional distribution form the double-helix strand of DNA. The audience is left immersed inside a representation of the structure of life's shared origins.



Running time: **25:51**      Suitable for: **General Public**      Information about: **Life, the universe and everything.**      Year of production: **2011**

## Life: A Cosmic Story

MOVIE SIZE	RESOLUTION	1-YEAR LICENSE	PRODUCT CODE	3-YEAR LICENSE	PRODUCT CODE	10-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$3,750	CAS2-S1	\$5,750	CAS2-S3	\$7,250	CAS2-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$6,750	CAS2-L1	\$10,250	CAS2-L3	\$12,750	CAS2-L
SLICED	multiple channels, pre-sliced	\$13,500	CAS2-G1	\$20,500	CAS2-G3	\$25,500	CAS2-G

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Revised 25 March 2023

# LIVING WORLDS

What forms might life take  
in the Solar System and beyond?

Journey through the cosmos to discover how a deeper understanding of Earth can help us spot other living worlds, light years away.

*Narrated by Daveed Diggs*



Distributed by  
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# Living Worlds

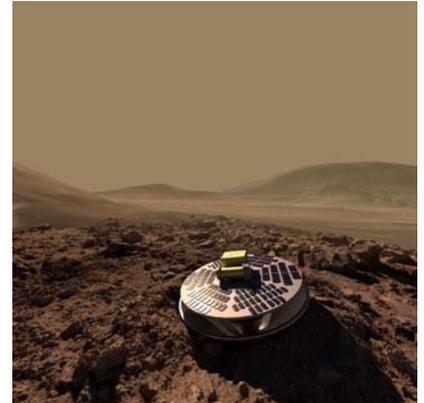
## The search begins

English narration: Daveed Diggs

What forms might life take in the Solar System and beyond? Journey through the cosmos to discover how a deeper understanding of Earth can help us spot other living worlds light-years away.

Earth is a planet shaped by life. From the forests that help stabilize our climate, to the winds carrying life-sustaining water and oxygen to far-flung parts of the globe, the fingerprints of life are visible even from many light-years away.

*Living Worlds*, an original planetarium show from the California Academy of Sciences, invites you to journey through space and time to examine life as an essential quality of our home planet.



The show takes you on an exploration of the co-evolution of life and our planet, revealing the ways in which life has transformed Earth's surface and atmosphere over billions of years. Along the way, you'll see how light and color can help us spot a living world, even from great distances.

As we ponder what forms life might take in the Solar System and beyond, *Living Worlds* encourages us to consider how a deeper understanding of our own planet can aid in the search for life across the cosmos, and to reflect on ways we can partner with our living world to ensure our continued survival.

*Living Worlds* won the 2021 #BestOfEarth award for Science & Education from Dome Fest West.

Running time: **26:43** Suitable for: **General Public** Information about: **Life science, planets, exoplanets, evolution** Year of production: **2021**

### Living Worlds

MOVIE SIZE	RESOLUTION	1-YEAR LICENSE	PRODUCT CODE	3-YEAR LICENSE	PRODUCT CODE	10-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$6,500	CAS8-S1	\$8,000	CAS8-S3	\$10,000	CAS8-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$10,500	CAS8-L1	\$15,000	CAS8-L3	\$18,500	CAS8-L
SLICED	multiple channels, pre-sliced	\$19,500	CAS8-G1	\$28,500	CAS8-G3	\$35,500	CAS8-G

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Revised 25 March 2023



Now available from Loch Ness Productions!



HAVE YOU EVER DREAMT YOU WERE FLYING?

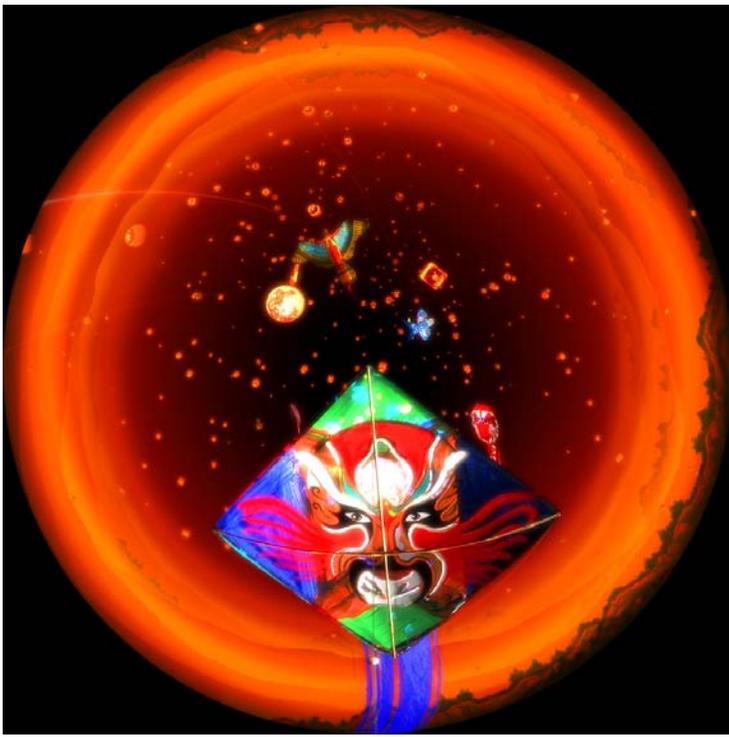
# DREAM TO FLY



AVAILABLE IN 3D AND 2D



Distributed by  
**Loch Ness Productions**



# Dream To Fly

*Have you ever dreamt you were flying?*

Produced by the  
**Copernicus Science Centre  
 Heavens of Copernicus Planetarium**

Since the beginning of history, people have dreamed of flying. Tales of mythical dragon flights thrilled ancient dreamers. Storytellers wove airy fantasies of magic carpet rides. Leonardo da Vinci stoked the dreams of flight with his fantastic drawings and through his eyes, we learned to look to nature for the secrets of flight.

When Montgolfier took to the skies in a balloon, the dream finally became reality. The Wright Brothers swept us up to the sky, and started a revolution.



It wasn't long before our immense and challenging dreams of soaring through the air became an everyday occurrence. **Dream To Fly** is a poetic and touching story of aviation's development through the ages. It presents the significant milestones on our route to conquering the skies — both in terms of technological breakthroughs, as well as our perceptions of flying itself.



The production team at the Heavens of Copernicus Planetarium use gorgeous full-dome visuals, a full orchestral score composed specifically for the show, and an elegant, tinge-of-the-exotic narration by one of Poland's leading stage and screen actors, Danuta Stenka, to make **Dream To Fly** an emotional, exceptional and unforgettable experience. The attention to detail can be seen in the show's climatic WWII aerial battle; aviation enthusiasts will thrill to see how carefully the HOC animators modeled the actual aircraft flown in the dogfights.

Open your audience's hearts and minds to new ideas about flight, and learn how generations of dreamers pursued the ancient impulse that has taken us from the ground to the stars.



Take your audiences on an incredible journey to live the dream — the **Dream To Fly!**

Running time: **35:00**  
 Suitable for: **General public**  
 Information about: **History of flight**  
 Year of production: **2013**

**Available in 2D or 3D Stereo**

Add 25% for 3D stereo

Dream To Fly, 1-year license			
Product Code	Theater size	Annual Attendance	Price
DTF-P1	Portable	Less than 5,000	\$2,800
DTF-S1	Small	Less than 10,000	\$4,000
DTF-M1	Medium	Less than 30,000	\$6,400
DTF-I1	Intermediate	Less than 50,000	\$12,000
DTF-L1	Large	Less than 100,000	\$16,000
DTF-X1	XLarge	Less than 200,000	\$20,400
DTF-G1	Giant	200,000 or more	\$24,000

Dream To Fly, 50-year license			
Product Code	Theater size	Annual Attendance	Price
DTF-P	Portable	Less than 5,000	\$3,500
DTF-S	Small	Less than 10,000	\$5,000
DTF-M	Medium	Less than 30,000	\$8,000
DTF-I	Intermediate	Less than 50,000	\$15,000
DTF-L	Large	Less than 100,000	\$20,000
DTF-X	XLarge	Less than 200,000	\$25,000
DTF-G	Giant	200,000 or more	\$30,000

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.



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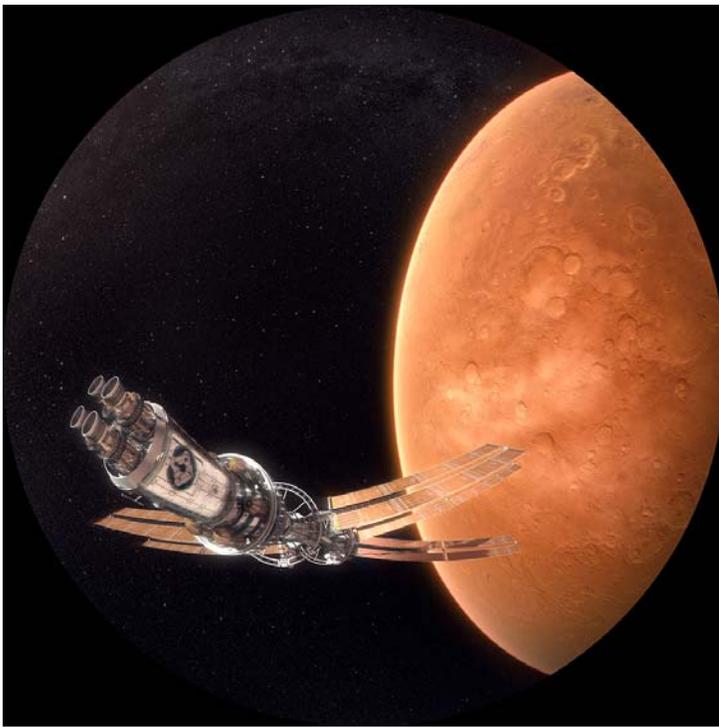
Revised 12 August 2014



# EXPLORE

CREATIVE PLANET presents A FULLDOME PRODUCTION directed by MACIEJ LIGOWSKI  
art direction MACIEJ RASALA story ZUZANNA LIGOWSKA, MACIEJ LIGOWSKI  
music by IGOR USKOKOVIC narration PHILIP BANKS  
[www.creative-pla.net](http://www.creative-pla.net) [www.lochnessproductions.com](http://www.lochnessproductions.com)





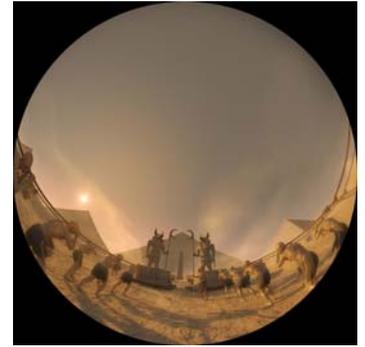
# EXPLORE

*Our future on Mars depends on discoveries from the past!*

Produced by CREATIVE PLANET

Have you ever wondered how our modern spacecraft can navigate quickly and accurately to Earth orbit and beyond? Find out in **EXPLORE**, the lavish 2017 full-dome production from Creative Planet. It's the story of humanity's fascination with the stars — from ancient stargazers and astrologers to the breakthrough discoveries of Nicolaus Copernicus and Johannes Kepler. In particular, today's explorers depend on Kepler's genius for their work in space.

**EXPLORE** begins with a look at how scholars and scientists throughout the ages used the sky as a calendar and clock to measure the passage of time. Their charts and star catalogs became the basis of astrology, and informed the modern science of astronomy.



Kepler's theories about planetary ellipses opened the universe to exploration in ways he never dreamed of, centuries after his death. Kepler's Laws are fundamental in physics and astronomy and central to modern spaceflight. Transporting ships, people, and cargo beyond Earth depends on these laws of motion. The show demonstrates how those laws work using simple, easy-to-understand animations and clear explanations.



Then, to show how they work in space exploration, **EXPLORE** takes us on an imaginary journey. Astronauts leave Earth, execute two Hohmann-transfer maneuvers, and dock with a space station. Then they are off to Mars. In several beautiful scenes, the show demonstrates how spacecraft follow Kepler's laws in stately maneuvers as they make their way from Earth to orbit and then on to other worlds.

**EXPLORE** is a beautifully visualized trip through the history of astronomy, and an educational treasure trove. Created by Maciej Ligowski, the executive producer of **Dream to Fly**, the show features the narration of Philip Banks, and script contributions by Dr. Jenny Shipway and Loch Ness Productions's own Carolyn Collins Petersen.



**EXPLORE** is a compelling story of skygazing, scientific discovery, and the wonders of exploration, past, present, and future. It deserves a place on your dome for all audiences to enjoy!

Running time: **27:13** Suitable for: **General Public**  
 Year of production: **2013** Information about: **Kepler's Laws, Copernicus, ancient astronomy, orbital motions, Mars exploration**

Available in **3D Stereo** - add **25%**

<b>EXPLORE, 1-year license</b>			
THEATER SIZE	ANNUAL ATTENDANCE	PRICE	PRODUCT CODE
PICO	Less than 5,000	\$3,600	XPL-P1
SMALL	5,000+	\$4,480	XPL-S1
MEDIUM	10,000+	\$7,200	XPL-M1
INTERMEDIATE	30,000+	\$12,800	XPL-I1
LARGE	50,000+	\$17,600	XPL-L1
XLARGE	100,000+	\$21,600	XPL-X1
BIG	150,000+	\$24,000	XPL-B1
GIANT	200,000+	CONTACT US!	XPL-G1

<b>EXPLORE, 50-year license</b>			
THEATER SIZE	ANNUAL ATTENDANCE	PRICE	PRODUCT CODE
PICO	Less than 5,000	\$4,000	XPL-P
SMALL	5,000+	\$5,600	XPL-S
MEDIUM	10,000+	\$9,000	XPL-M
INTERMEDIATE	30,000+	\$16,000	XPL-I
LARGE	50,000+	\$22,000	XPL-L
XLARGE	100,000+	\$27,000	XPL-X
BIG	150,000+	\$30,000	XPL-B
GIANT	200,000+	CONTACT US!	XPL-G

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Revised 25 March 2023

# Magic GLOBE

A story of  
the Seasons

CREATIVE PLANET presents FULLDOME FILM PRODUCTION directed by MACIEJ LIGOWSKI  
art direction MACIEJ RASALA story ZUZANNA LIGOWSKA



[www.creative-pla.net](http://www.creative-pla.net) [info@creative-pla.net](mailto:info@creative-pla.net)





# Magic Globe

## A Story of the Seasons

Produced by CREATIVE PLANET

On vacation at her grandpa's, a little girl Mia discovers a mysterious piece of astronomical machinery in the attic. Mia's eccentric uncle Edek tricks the girl into using the tool's secret powers to change the world's seasons. She quickly realizes the consequences of that action, but Edek doesn't want to let his plan go.

Magic Globe's engaging story has a clear educational structure, designed to interest and challenge children from 5 to 12 years. Children can recap their prior knowledge and/or learn new concepts while the story carries everyone forward together, making it perfect for mixed-ability audiences.



Running time: **38:53** (28 min. version available on request)  
 Suitable for: **Ages 5-12 and families** Year of production: **2020**  
 Information about: **Seasons, Sun, Earth, Meteorology, Climate**

Add **25%** for **8K** or **3D** stereo  
 Add **30%** for **8K** and **3D** stereo

<i>Magic Globe</i> , 1-year license			
THEATER SIZE	ANNUAL ATTENDANCE	PRICE	PRODUCT CODE
PICO	Less than 5,000	\$3,600	MGL-P1
SMALL	5,000+	\$4,480	MGL-S1
MEDIUM	10,000+	\$7,200	MGL-M1
INTERMEDIATE	30,000+	\$12,800	MGL-I1
LARGE	50,000+	\$17,600	MGL-L1
XLARGE	100,000+	\$21,600	MGL-X1
BIG	150,000+	\$24,000	MGL-B1
GIANT	200,000+	CONTACT US!	MGL-G1

<i>Magic Globe</i> , 10-year license			
THEATER SIZE	ANNUAL ATTENDANCE	PRICE	PRODUCT CODE
PICO	Less than 5,000	\$4,000	MGL-P
SMALL	5,000+	\$5,600	MGL-S
MEDIUM	10,000+	\$9,000	MGL-M
INTERMEDIATE	30,000+	\$16,000	MGL-I
LARGE	50,000+	\$22,000	MGL-L
XLARGE	100,000+	\$27,000	MGL-X
BIG	150,000+	\$30,000	MGL-B
GIANT	200,000+	CONTACT US!	MGL-G

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Revised 18 January 2023

The background features a central, glowing orange sun with rays of light extending outwards. A geodesium dome structure is superimposed over the sun, with various planets (Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto) and a ringed planet (Saturn) positioned around it. The text "Space Park 360" is prominently displayed in the center, with "360" in a larger font. Below this, the words "GEODESIUM EDITION" are written in a bold, metallic font. Further down, four lines of text describe the experience: "THRILLING RIDES", "EXOTIC DESTINATIONS", "TOTALLY AWESOME MUSIC", and "ONE IMMERSIVE EXPERIENCE". At the bottom, there are two logos: "Loch Ness Productions" on the left and "Dome3D.com" on the right.

**SpacePark**

**360**

**GEODESIUM  
EDITION**

**THRILLING RIDES**

**EXOTIC DESTINATIONS**

**TOTALLY AWESOME MUSIC**

**ONE IMMERSIVE EXPERIENCE**



**LOCH NESS PRODUCTIONS**



**www.Dome3D.com**  
Creative Media & Technology Consulting

# SpacePark360: Geodesium Edition

An out-of-this-world theme park, with a thrill ride at every planet in the solar system — and music by Geodesium!



**SpacePark360: Geodesium Edition** is an amazing immersive entertainment show for full-dome theaters — an amusement park with its rides placed throughout the solar system. It's an E-Ticket ride of astronomical proportions!

If you're a theme park ride aficionado, you may recognize some of these famous behemoth rides... but you probably never imagined them at such extra-terrestrial locations.

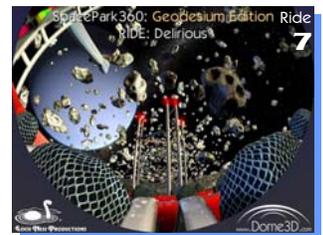
Audio-visual experiences like these are what make your dome theater environment unique. Whether you choose to show all nine rides as a standalone feature, or opt to offer a single ride as a special "encore" or "dessert" after your main presentation, **SpacePark360: Geodesium Edition** will be an unforgettable treat for audiences of all ages.

**SpacePark360: Geodesium Edition** is a collaboration of two cosmically creative companies: Dome3D and Loch Ness Productions. Each individual ride begins on the bridge of a futuristic spaceship that's transporting you on your tour of the solar system. The ship's monitor screens display some quick facts about the location and the attraction; the ride is previewed as a "wire-frame" model, so you'll get an idea of what's in store for you. The transporter doors iris open... and away we go!

Just one dizzying ride will provide enough stimulation for some audiences, especially younger age groups. Ordering rides *a la carte* allows you to pick and choose the ones you like best, and can provide some relief if your budget dollars are feeling stretched.

For more adventurous programmers, the full-length show provides a unique, new alternative to offer those late-night light show crowds looking for the latest "eXtreme eXperience". It provides an introductory "glamour pass" of the SpacePark360 transport ship, which then segues into the first ride, *Quicksilver*. The rest of the rides follow in sequential order, but rather than having a flash of credits at the end of each one (as the individual movies have), they're all in one extended finale sequence, which segues from the last ride, *Diablo*.

When you get the full-length show, we also provide all nine individual rides as standalone movies in addition. This allows you the option of running an individual ride or several on their own, without the need for programming to excerpt them from the long feature. Licensing the complete show gives you more scheduling options and flexibility.



## SpacePark360: Geodesium Edition INDIVIDUAL RIDES

Running time ~4:30 each ride

MOVIE SIZE	RESOLUTION	50-YEAR LICENSE	PRODUCT CODE (# = ride)
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$920	SPI #-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$1,840	SPI #-L
SLICED	multiple channels, pre-sliced	\$2,560	SPI #-G

## SpacePark360: Geodesium Edition 9-RIDE PACKAGE

Running time 38:52

MOVIE SIZE	RESOLUTION	50-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$4,600	SPG-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$9,200	SPG-L
SLICED	multiple channels, pre-sliced	\$12,800	SPG-G

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.



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 Email: [info@lochnessproductions.com](mailto:info@lochnessproductions.com) Web site: [www.lochnessproductions.com](http://www.lochnessproductions.com)

Revised 25 March 2023

**THE WORLD'S FASTEST  
FULLDOME SHOW CONTINUES...**



**SpacePark  
3 6 0**

Dome3D LLC presents  
**SPACEPARK360 : INFINITY**

Executive Producers: **JASON M. HEATON, MATTHEW A. MASCHERI, MICHAEL J. NARLOCK**

Original Music: **GEODESIUM**



© 2014 Dome3D LLC





# SpacePark360: Infinity

More out-of-this-world theme park rides,  
at more exotic locales — and more  
rockin' new Geodesium music!



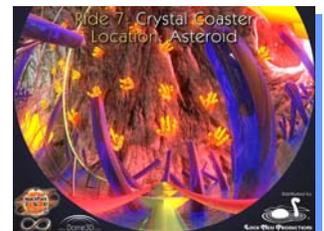
**SpacePark360: Infinity** is an amazing immersive entertainment show for full-dome theaters — an amusement park with its rides placed throughout the solar system, and beyond. It's an E-Ticket ride of astronomical proportions, building on the success of its predecessor show, *SpacePark360: Geodesium Edition*. Even if you're a theme park ride aficionado, you'll marvel at the scale of these monumental rides... set on such amazing out-of-this-world locations.



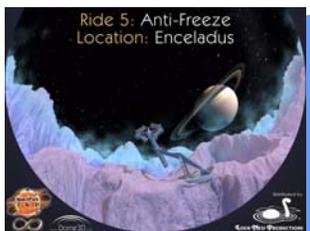
Audio-visual experiences like these are what make your dome theater environment unique. Whether you choose to show all nine rides as a standalone feature, or opt to offer a single ride as a special "encore" or "dessert" after your main presentation, **SpacePark360: Infinity** will be an unforgettable treat for audiences of all ages.



**SpacePark360: Infinity** is a collaboration of two cosmically creative companies: Dome3D and Loch Ness Productions. Each individual ride begins on the bridge of a futuristic spaceship that's transporting you on your tour of the solar system. The ship's monitor screens display some quick facts about the location and the attraction; the ride is previewed as a "wire-frame" model, so you'll get an idea of what's in store for you. The transporter doors iris open... and away we go!



Just one dizzying ride will provide enough stimulation for some audiences, especially younger age groups. Ordering rides *a la carte* allows you to pick and choose the ones you like best, and can provide some relief if your budget dollars are feeling stretched.



For more adventurous programmers, the full-length show provides a unique, new alternative to offer those late-night light show crowds looking for the latest "eXtreme eXperience". It provides an introductory "glamour pass" of the SpacePark360 transport ship, which then segues into the first ride. The rest of the rides follow in sequential order, but rather than having a flash of credits at the end of each one (as the individual ride movies have), they're all in one extended finale sequence, which segues from the last ride.



When you get the full-length show, we also provide all nine individual rides as standalone movies in addition. This allows you the option of running an individual ride or several on their own, without the need for programming to excerpt them from the long feature. Licensing the complete show gives you more scheduling options and flexibility.

SpacePark360: Infinity INDIVIDUAL RIDES			
Running time ~4:30 each ride; License term: 50 years			
MOVIE SIZE	RESOLUTION	1-YEAR LICENSE	PRODUCT CODE (# = ride)
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$920	SPI#-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$1,840	SPI#-L
SLICED	multiple channels, pre-sliced	\$2,560	SPI#-G

SpacePark360: Infinity 9-RIDE PACKAGE			
Running time 38:52; License term: 50 years			
MOVIE SIZE	RESOLUTION	50-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$4,600	SPI-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$9,200	SPI-L
SLICED	multiple channels, pre-sliced	\$12,800	SPI-G

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.



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Revised 25 March 2023



# MICE and the Moon



Distributed by  
**LOCH NESS  
PRODUCTIONS**

# Mice and the Moon

*A tale about two little mice, Pip and Chip*

Produced by  
Fulldome Basement

Distributed by  
Loch Ness Productions

Pip and Chip wondered, "Does anybody bite the big Moon Cheese shining in the sky?"



The Bats didn't know the answer; neither did the Wise Owl. But luckily Pip and Chip met two astronomy-savvy robots who explained what the Moon really is.



They told about the Moon's maria -- seas without water or Moon fish. They showed the Moon's craters through the telescope. Pip and Chip were impressed; they wished they could fly to the Moon one day!



This fanciful tale is for curious kids of all ages.

Running time: **15:20** Year of production: **2017**  
Suitable for: **Kids, Family audiences**  
Information about: **Moon, astronomy**

Public performance of this show requires the signing of a License Agreement.

<i>Mice and the Moon</i>			
MOVIE SIZE	RESOLUTION	2-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$2,900	FDB1-S1
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$5,400	FDB1-L1
SLICED	multiple channels, pre-sliced	\$6,200	FDB1-G1

<i>Mice and the Moon</i>			
MOVIE SIZE	RESOLUTION	50-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$4,900	FDB1-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$7,400	FDB1-L
SLICED	multiple channels, pre-sliced	\$8,200	FDB1-G

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Revised 25 March 2023

We are losing the dark of night  
at the speed of light.

# LOSING THE DARK



LOSING THE DARK CREATED BY THE INTERNATIONAL DARK-SKY ASSOCIATION AND LOCH NESS PRODUCTIONS  
WRITTEN AND NARRATED BY CAROLYN COLLINS PETERSEN PRODUCED BY MARK C. PETERSEN MUSIC BY GEODESIUM  
TIME-LAPSE PHOTOGRAPHY AND ANIMATION: DOME3D AND LOCH NESS PRODUCTIONS  
ADDITIONAL IMAGERY: NASA DIGITALSKY 2 ADLER PLANETARIUM GEMINI OBSERVATORY/AURA  
GREGORY PANAYOTOU DAN NIXON/NEED-LESS CAMPAIGN THOMAS O'BRIEN/TMOPHOTO BABAK TAFRESHI/TWAN



LOSING  
THE  
DARK



## Losing the Dark

A 6-1/2 minute PSA about light pollution

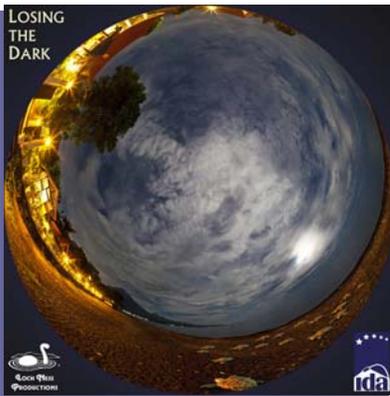
Available as a free download!

Starry skies are a vanishing treasure because light pollution is washing away our view of the cosmos. It not only threatens astronomy, it disrupts wildlife, and affects human health. The yellow glows over cities and towns — seen so clearly from space — are testament to the billions spent in wasted energy from lighting up the sky.

*Losing the Dark* is a "public service announcement" planetarium show, a collaboration of Loch Ness Productions and the International Dark-Sky Association. It introduces and illustrates some of the issues regarding light pollution, and suggests three simple actions people can take to help mitigate it.



The show gives planetarium professionals a tool to help educate the public about the problems of light pollution. Planetarians are uniquely positioned to teach audiences ways we can all work together to implement responsible use of lighting.



*Losing the Dark* has no license fee! We have rendered the show in many formats and languages — just go to the appropriate [Downloads](#) page. If downloading is not a viable option (for example, the files are too big for efficient downloading, and for theaters requiring frames to encode or slice their own movies), we can ship the show on a USB drive. There is a minimal cost for this, outlined on the [Prices / Ordering](#) page. The show is also available directly from selected fulldome vendors whose systems use proprietary encoding.

Loch Ness Productions and the International Dark-Sky Association are pleased and proud to make *Losing the Dark* available to planetarium theaters and viewers around the world! If we all work together, we can bring back the dark of night to planet Earth.

**Fulldome show info, downloads, and ordering:**  
<http://www.lochnessproductions.com/losingthedark>



In addition to the fulldome version, we have rendered *Losing the Dark* as a conventional, flat-screen video.

It's available on YouTube for sharing and embedding on blogs and Web pages, available for online viewing, sharing and embedding on blogs and Web pages. It can also be downloaded, for use in classrooms, kiosks, museum theaters, and advocate multimedia presentations.

Classic planetarium theaters without fulldome capability can show this version using their traditional video projectors.



Running time: 6:24 Year of production: 2013  
Suitable for: **General public**  
Information about: **Light pollution**



*Losing the Dark* by the International Dark-Sky Association is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 Unported License



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Revised 19 February 2020



Why am I inspired by beauty?

A view of the universe through music and mathematics.

# MUSICA

Why is the Universe Beautiful?

Producer: Mariko Takahashi Director: Hiromitsu Kohsaka Cast: Yoan F. / Tre Gibbs (Voice), Moe Negishi / Atsuko Kohata (Voice)  
Music: Yoshihisa Sakai Supervision: Haruo Saji / Susumu Sakurai Produced by: Yamanashi Prefectural Science Center / Live Company Ltd.



© 2013, Yamanashi Prefectural Science Center / Live Company Ltd.



foc.



## MUSICA — Why is the Universe Beautiful?

Why am I inspired by beauty?

An elegant, artistic view of the universe, informed by music, mathematics, and physics.

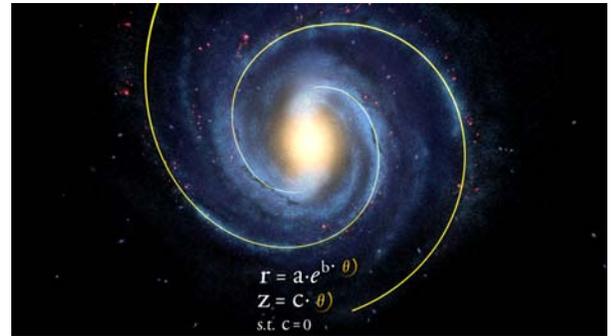


The sound of a forest, a flower, a sunset, the beautiful objects that move through the vast panoply of stars and galaxies that arches overhead... why is it so inspiring?

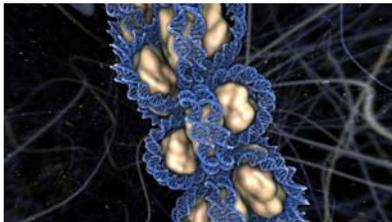
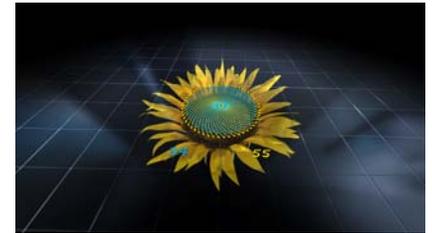
This simple question sets off a thought-provoking and sensory exploration of the cosmos led by "Musica" — a modern embodiment of the ancient idea of the music of the spheres, first expressed by the philosopher Pythagoras. His teachings and writings struck the developing spark for much of our modern science. **MUSICA — Why is the Universe Beautiful?** presents the idea that art, music, physics, and mathematics are all integral, part of the exquisite beauty of the cosmos.



The show begins with a young woman, mesmerized by the beauty of nature, who asks, "Why do I sense beauty?" Her question sets in motion a series of scenes that take audiences on a voyage of discovery — from the DNA in our cells, to the spiral designs hidden in a sunflower and the ominous beauty of a typhoon, to the spiral grandeur of galaxies.



Her guide to the cosmos is a quiet pianist who introduces himself as "Musica" and uses sound and the concepts of harmony and harmonics to show her how math and physics unite music and nature. Thus begins a timeless conversation. Every question she asks allows Musica to show the physics and math equations behind something as simple as the placement of leaves on a sunflower stalk to the arrangement of stars in a galaxy. The more she asks, the more Musica can tell her about the cosmos, until she asks a question that surprises even him.



**MUSICA — Why is the Universe Beautiful?** is an unusual educational and entertaining full-dome show that nourishes our artistic senses. At the same time, it teaches what every scientist, musician, and artist knows intuitively: how the physics of sound and color, and the physical laws of nature that contribute to music and art, combine to create and govern everything in the universe. Musica, by using sound as a metaphor, gives us a new yet ancient way to look at the universe.

Created by Hiromitsu Kohsaka, producer of the

highly acclaimed full-dome show *Hayabusa: Back to the Earth*, **MUSICA — Why is the Universe Beautiful?** has been translated for English-speaking audiences from its original Japanese, and features gorgeous visualizations and music.



If you use your theater to teach physics, astronomy, and math, this show brings a new, imaginative, and cross-disciplinary way to present these topics to your audiences. Music and art students will auto-matically understand what Musica is

trying to tell us: that art, science, and mathematics all combine to open our eyes to the beauty of the universe. From school students to family groups, all will enjoy and remember this unique way to see the art and physics of the universe.

Running time: **26 minutes** Year of production: **2013**  
 Suitable for: **General public, school audiences**  
 Information about: **music, mathematics, nature, beauty, physics.**

Public performance of this show requires the signing of a License Agreement.

MUSICA — Why is the Universe Beautiful?					
MOVIE SIZE	RESOLUTION	1-YEAR LICENSE	PRODUCT CODE	10-YEAR LICENSE	PRODUCT CODE
SMALL	smaller than 1300 pixels	\$4,000	LCL1-S1	\$5,200	LCL1-S
MEDIUM	1300 to 2000 pixels	\$8,000	LCL1-M1	\$10,400	LCL1-M
LARGE	2000 to 3000 pixels	\$16,000	LCL1-L1	\$20,800	LCL1-L
X-LARGE	larger than 3000 pixels	\$20,000	LCL1-X1	\$26,650	LCL1-X
SLICED	sliced for multiple projectors	\$25,000	LCL1-G1	\$32,000	LCL1-G

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.



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Revised 25 March 2023

Science is the most  
spiritual poem  
ever composed

We are all  
connected in the  
background

# कव्वाल्मलक वलान्कड

We are all  
one

Starring  
Pooja Salvi

We are all  
related to the  
Big Bang

Everything  
has a spirit

Everything is energy

fulldomefestival<sup>2010</sup>

HONORABLE MENTION

with

ARCHANA SHARMA PhD PROF. DR. HANS-PETER DÜRR DOUGLAS CARDINAL  
SWAMI VEDA BHARATI DR. RATHNASREE NANDIVADA

Director of Photography RAKESH HARIDAS Postproduction Artists KEVIN BEAULIEU, ANDREAS JANTHUR  
Music composed by AJAY BHATIA, GUIDO HIERONYMUS Executive Producers SHYLEE SOMESHWAR,  
DR. BUDHENDRA DOOBAY, AVINASH PERSAUD, BERT KNORR Produced by BETTINA PFÄNDNER  
Written by HARALD SINGER, BETTINA PFÄNDNER, STEPHANIE KARGE Directed by HARALD SINGER

Shot on locations in India, Canada, Germany, UK and Switzerland

(c) All rights reserved, Canadian Museum of Hindu Civilization, 2010



Distributed by

LOCH NESS  
PRODUCTIONS

# तटुलुत वलनुदुडु

Immersive Cinema Fulldome Film

Throughout history, human beings have tried to decipher the universe and its many mysteries. The fulldome film *Cosmic Dance* takes us on a journey to explore the parallels found between the current theories of physics and astronomy and the ancient Indian Vedic teachings. Discover how we are all connected, mentally and physically, to everything around us – the universe, the planet we live on and the world we live in.

*Cosmic Dance* inspires visitors to think about their place in this beautiful world. The award winning Immersive Cinema feature film combines documentary content with fictional scenes and "cosmic dances". Impressive images shot in India, Canada and Europe take the audience on a cosmic dance through the explorations of Leela, a physics student. Through her dialogue with international scientists and teachers, the film probes the creation and history of the universe, our living connection to it and the astonishing parallels found between quantum physics and the Vedic teachings: That the entire nature and all life are connected.

Matter and spirit are not separated, love connects the entire universe and divine energy reigns in each one of us.



Running time: **45:00** Year of production: **2011**  
 Suitable for: **General public**  
 Educational content:  
**Cosmology, quantum physics, philosophy, Hindu culture**

Public performance of this show requires the signing of a License Agreement. Visit our Web site for details.

PRICES INCLUDE encoding/formatting and slicing for most fulldome systems. Contact us for details.

## *Cosmic Dance*

MOVIE SIZE	RESOLUTION	10-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$5,000	LIV2-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$11,000	LIV2-L
SLICED	multiple channels, pre-sliced	\$15,000	LIV2-G



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LivingGlobe - Carl Zeiss - Sky - Skan Europe  
Present

# R + J

Starring  
JULIA DIETZE

FLORIAN JAHR

RUEDIGER RESCHKE

MEDY SOUL  
DAVID TOEROEK

BIAMA  
TANIA DINNERY

A FullDome Film  
produced for  
ADLIP and SkyVision

based on William Shakespeare  
"Romeo and Juliet"

Director of Photography PETER MATHES Visual Design / Compositing KEVIN BEAULIEU  
Original Music PASCAL MOKROSCH MEDY SOUL Produced by BETTINA PFAENDNER  
Written by HARALD SINGER BETTINA PFAENDNER Directed by HARALD SINGER  
Executive Producers HARALD SINGER BETTINA PFAENDNER Executive Producers for Zeiss  
WILFRIED LANG VOLKMAR SCHORCHT Executive Producer for Sky-Skan Europe GLENN H. SMITH

Filmed on Location in Tenerife, Canary Islands, Spain





**R+J**

**Romeo and Juliet party on in fulldome!**

An artistic show exploring the dome format as a medium for film and stories, which offers a modern and somewhat surrealistic version of the Shakespeare classic **Romeo and Juliet** performed by a group of young people amidst a party atmosphere.

**R+J** is a live-action fulldome film, a modern artful adaptation of the famous drama "Romeo and Juliet" by William Shakespeare. It's a milestone in the history of film: the first fulldome movie, shot in the fulldome format, with real actors on real sets.

Shot in 2003 on the Canary Islands, **R+J** premiered during IPS 2004 in Valencia. Steven Savage from Sky-Skan gave a very moving introductory speech with the legendary sentence: "You will see the very first kiss in the dome".



**R+J** was first shown to the public as a Valentine's Day Program at The Exploration Place in Wichita, KS.

The "play in a play" starts in a desert. A group of young people pulls a truck with building materials through an empty landscape until they discover the "right spot". They stop the truck and start building a stage from wood and fabric as a party space. Finally the stage is ready and the play can begin. A huge party starts which gradually escalates into a kaleidoscopically sensual orgy. Juliet moves around. She is totally lost, pushed forward by the wild party crowd, until she suddenly ends up in the embrace of a young man – Romeo. Their eyes lock, but Juliet is pulled away, she has to continue to dance. Romeo is exhausted. He backs out into a quiet corner. He leans against a large wooden ladder. Suddenly he discovers the beautiful Juliet, who had fallen into his arms, up on the balcony. They are overwhelmed by tender love, which leads to a first kiss. But Romeo and Juliet are only powerless pawns in a game between two hostile families, the Capulets and the Montagues. Juliet's cousin Tybalt challenges Romeo to a fight. Tybalt loses. In a wild ecstatic fist fight Romeo kills Tybalt. Romeo escapes to Juliet. She is torn between their love and his bloody deed. But once more they are able to forget reality and, as if wrapped in a cocoon, they live out their love. They enjoy their first night together. When the new day dawns, Romeo has to flee, the prince has sentenced him to exile for his crime. Tragedy takes its course. The priest resorts to a trick: he gives Juliet a potion, which will seem to kill her. Unaware of this subterfuge Romeo secretly returns from exile and finds the allegedly dead Juliet in her crypt. In his desperation, he takes true poison to be united with her in eternal love. While he is dying Juliet wakes up from unconsciousness and finds Romeo. She kisses him in joy, anger and finally in the desperate attempt to get some of the poison from his lips and die with him. She succeeds. Romeo and Juliet are united in death.



But that's only a play in a warm desert night. After the tragic ending, the party goes on with dancing and celebrating.

Running time: **21:05**  
 Year of production: **2004**  
 Suitable for: **General public**  
 Available languages: **English, German**

Public performance of this show requires the signing of a License Agreement. Visit our Web site for details.

PRICES INCLUDE encoding/formatting and slicing for most fulldome systems. Contact us for details.

<b>R+J</b>			
<b>MOVIE SIZE</b>	<b>RESOLUTION</b>	<b>10-YEAR LICENSE</b>	<b>PRODUCT CODE</b>
<b>SMALL/MEDIUM</b>	single channel, smaller than 2000 pixels	<b>\$3,750</b>	<b>LIV1-S</b>
<b>LARGE/X-LARGE</b>	single channel, larger than 2000 pixels	<b>\$7,250</b>	<b>LIV1-L</b>
<b>SLICED</b>	multiple channels, pre-sliced	<b>\$10,000</b>	<b>LIV1-G</b>

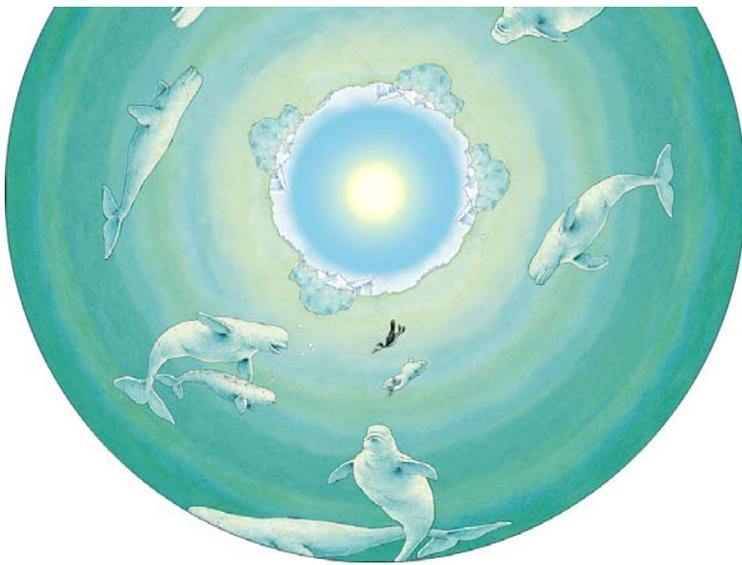


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# LARS

THE LITTLE POLAR BEAR





# Lars the Little Polar Bear

*Explore the changing Arctic landscape with a curious little polar bear!*

What happens when a frisky little polar bear named Lars ventures out on the first day of spring? He explores his Arctic home, meets new friends, and saves some endangered whales.



**Lars the Little Polar Bear** is the beloved star of a children's book "*Little Polar Bear and the Whales*" authored by Hans de Beer in 2008. It's the perfect basis for a full-dome show to teach young children about nature, climate change — and a little astronomy.



The first part of the show features illustrations from the book, enhanced by clever animations. Lars spends the first day of spring exploring near his home, discovering a ship wreck, and cavorting with a cormorant. Then, he makes friends with a group of beluga whales and a giant sperm whale.



When Lars learns that the whales are being hunted by a whaling ship, he finds a place for them to hide in a nearby bay. After the whalers leave, melting ice traps the whales in the bay. It's up to Lars to save them by coming up with a clever way to help them escape. The story ends with Lars and his friends making plans to meet again someday in the future.



Produced by  
**Mediendom at Kiel**

**FACHHOCHSCHULE KIEL**  
University of Applied Sciences

and

**future ocean**  
KIEL MARINE SCIENCES

in collaboration with

**LOCH NESS PRODUCTIONS**

Imagery from NordSüd Verlag AG Zurich, and Sylvia Stevens, by permission.



After the show brings Lars's adventure story to life, it takes on a documentary flair, with a tour of the Arctic. We visit some of the animals who live there, through photographs taken by scientists on polar expeditions. We learn about how real polar bears live, why they have small ears and tails, what they eat, and how the melting of Arctic sea ice is affecting their habitat.

A short star talk section introduces the Arctic night sky, the constellations Ursa Major and Ursa Minor, as well as Polaris, the North Star, and the star patterns of the Big and Little Dipper.

Visually surrounded by icebergs as they explore Lars's home, children are touched by the beauty of the Arctic. Throughout the show, young audiences gain a positive appreciation of nature and learn that the polar bear's wonderful habitat is well worth preserving.

Running time: **26:42** Year of production: **2012**  
Suitable for: **Preschool-Grade 2, family audiences of all ages**  
Information about: **Polar bears, whales, astronomy, climate change, environment, nature.**

The Mediendom at Kiel, University of Applied Sciences; "Future Ocean" — Kiel Marine Sciences; and Loch Ness Productions are pleased to present this collaborative full-dome show combining nature and environmental education, a gentle introduction to climate change, and a touch of astronomy — with a targeted demographic of children in Preschool to Grade 2, yet presented in terms that audiences of all ages can easily understand and enjoy.



<i>Lars the Little Polar Bear</i>			
MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
<b>SMALL/MEDIUM</b>	single channel, smaller than 2000 pixels	<b>\$3,250</b>	<b>LBP-S</b>
<b>LARGE/X-LARGE</b>	single channel, larger than 2000 pixels	<b>\$7,000</b>	<b>LPB-L</b>
<b>SLICED</b>	multiple channels, pre-sliced	<b>\$10,000</b>	<b>LPB-G</b>

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.

**Lars the Little Polar Bear** is a welcome addition to the still-growing collection of child-friendly full-dome content.



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Revised 25 March 2023

# *Magic of the Otherworld*



Distributed by



northdocks



FACHHOCHSCHULE KIEL  
University of Applied Sciences



## Magic of the Otherworld

Visit blissful virtual landscapes and enjoy the flowing Celtic harp music of Christine Högl!

Treat your audiences to something very special — a journey through the Otherworld — a magical place born from the mythology of many cultures. It's a place of legends, where mythical creatures once existed in harmony among the mountains, islands, springs, and forests. Today, we experience the Otherworld through our imaginations, and perhaps in our dreams.

Now, this mystical realm can be explored in the immersive full-dome environment in a beautiful 50-minute entertainment show that comes from Mediendom Kiel. **Magic of the Otherworld** invites audiences into virtual landscapes accompanied by the beautiful harp music of Christine Högl.



The show's journey begins deep inside a cave, then we wind our way through enchanted mountain forests, drift along placid streams and peaceful rivers, visit a mystical coastline, and board a fantasy wooden sailing ship for a leap out to the deep expanses of the cosmos.

**Magic of the Otherworld** is a groundbreaking production, both in terms of its stunning visualization and its use of music. While rock and pop have appeared in the dome in laser shows for years, this is the first time a concert of harp music and animation has been done. Joachim

Perschbacher, visual artist and manager of the North Docks production company, worked with Christine to weave together high-end 3D animation and green-screen filming. The result is a magnificent sensory journey, and Christine's gentle harp music transforms the experience into a *tour de force* of art and music.

Christine Högl has received international acclaim for her musical performances, ranging from live concerts in planetarium domes, open-air concerts in gardens, to the series "Music of Silence" in churches. She collaborated in the production of the virtual landscapes, and through the use of green-screen technology, actually appears occasionally on the dome, playing her harps to accompany the fantastic immersive scenery.



Shows like this are relatively new to the full-dome repertory, and represent an expanded use of the dome. This show paves the way for a cross-disciplinary appreciation of art, science, music, and culture. Use it as a concert, for special

events, fundraisers, or simply as an entertaining and mesmerizing blend of art and music. Transform your dome into a multimedia concert hall, with **Magic of the Otherworld!**



Produced by  
**Mediendom Kiel**



**FACHHOCHSCHULE KIEL**  
University of Applied Sciences

in collaboration with  
**northdocks**

Running time: **50:24** Year of production: **2012**  
Suitable for: **General public**  
Entertainment content: **harp music and performance, virtual landscapes and computer graphics**

<i>Magic of the Otherworld</i>			
MOVIE SIZE	RESOLUTION	50-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$3,250	MOTO-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$7,000	MOTO-L
SLICED	multiple channels, pre-sliced	\$10,000	MOTO-G

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.



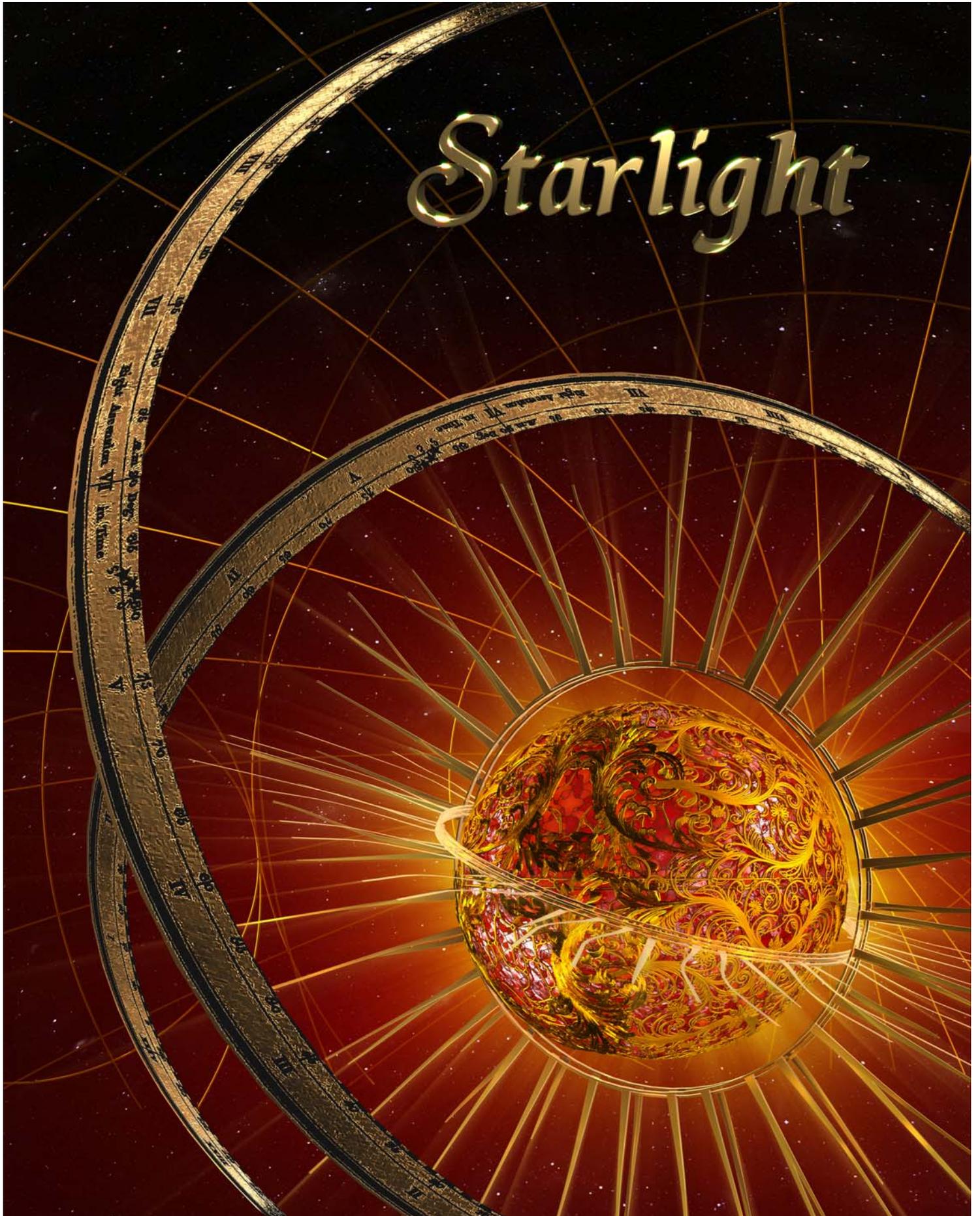
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Revised 25 March 2023



*Now available from Loch Ness Productions!*

# Starlight





# Starlight

*Uncover the mysteries of the stars!*

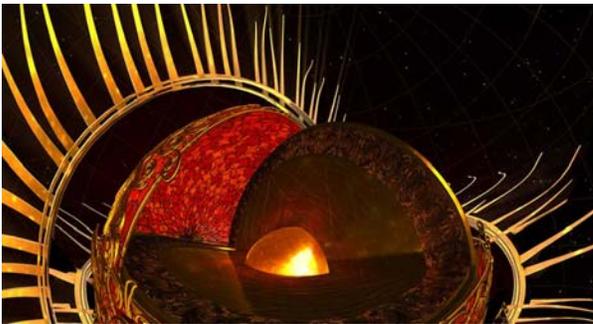
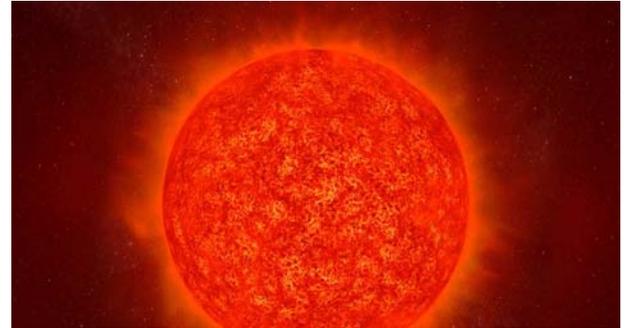
The best stories come from the heart, especially when they're about the stars! Enjoy this personal story about the stars... and starlight... and what they teach us about the universe, told by a woman who got her love of the sky from her father.

For thousands of years we have looked to the stars at night in wonder and awe. Their mysteries have inspired curiosity across all cultures and civilizations.

Narrated by multi-award winning Australian actress Sigrid Thornton, **Starlight** is a story of stars, starlight, and cosmic exploration. Her character Margaret grows up to share the skies with her children and grandchildren. We see the skies through her eyes as she steps back in time to relive childhood fears of the dark that awoke her curiosity about the night sky.

Join Margaret as she takes you on an out-of-this-world journey to discover constellations and ancient cultures, the births and deaths of stars, and the innermost workings of our Sun.

**Starlight** features stunning full-dome visualizations of stars and other cosmic objects. As Margaret teaches us about the stars, we drift through a stellar nursery, a rich gaseous nebula collapsing into stars. We experience the process of nuclear fusion at the hearts of stars, and witness the full fury of a supernova explosion.



From scenes inside Margaret's childhood home to stylish and artistic reproductions of the Sun and stars, we learn how elements form, and get rich views of the most distant galaxies. **Starlight** enchants all the senses as audiences explore the innermost secrets of the stars and humanity's relationship to them.

Originally produced with Southern Hemisphere skies, this new version features Northern Hemisphere constellations,



including Ursa Major and its asterism the Big Dipper. It also points out Polaris, Sirius, and Supernova 1993J in galaxy M81. It discusses Christiaan Huygens's first attempts to study starlight and determine distances in space. It also introduces the concept of spectroscopy, using the rainbows of colors that appear when we send sunlight through prisms.

Sigrid Thornton is one of Australia's best-known actors, with credits in more than 60 movies and TV shows. She has won many awards for her work on both stage and screen, and her performance enhances the storytelling at the heart of **Starlight**.

Loch Ness Productions is pleased to make this lovely and approachable show available to you and your audiences. Let Margaret and the Melbourne Planetarium take you on a touching and personal journey to the stars — and back.

Running time: **27 minutes** Year of production: **2015**  
 Suitable for: **Youth, general public**  
 Information about: **Stars, starlight, spectra, Sun, supernovae**

Public performance of this show requires the signing of a License Agreement.

Starlight					
MOVIE SIZE	RESOLUTION	1-YEAR LICENSE	PRODUCT CODE	5-YEAR LICENSE	PRODUCT CODE
SMALL	smaller than 1300 pixels	\$2,000	MEL1-S1	\$4,000	MEL1-S
MEDIUM	1300 to 2000 pixels	\$3,500	MEL1-M1	\$7,000	MEL1-M
LARGE	2000 to 3000 pixels	\$7,000	MEL1-L1	\$14,000	MEL1-L
X-LARGE	larger than 3000 pixels	\$8,250	MEL1-X1	\$16,500	MEL1-X
SLICED	sliced for multiple projectors	\$9,500	MEL1-G1	\$19,000	MEL1-G

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.

Produced by



**Melbourne Planetarium**  
 Scienceworks, Museum of Victoria



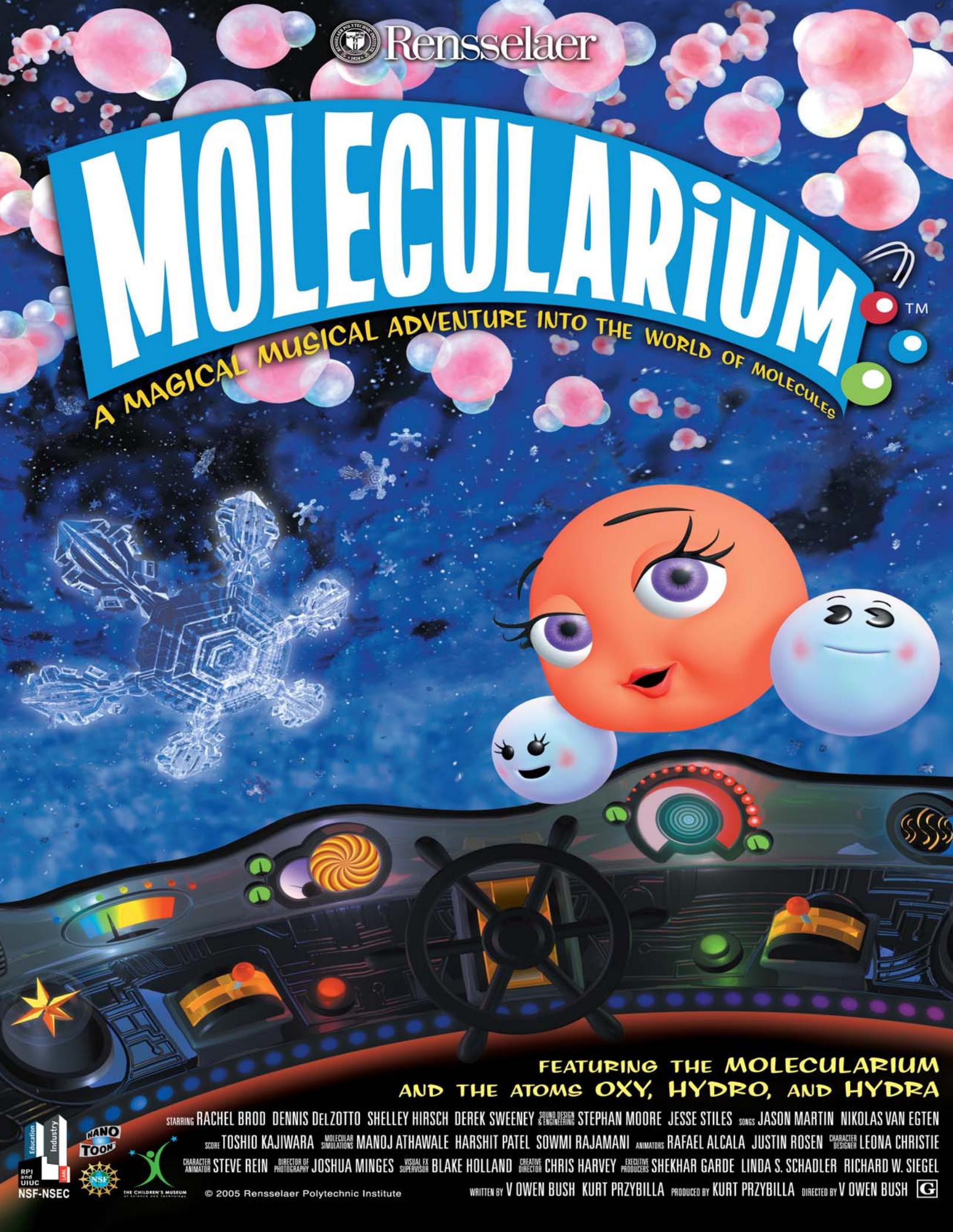
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Rensselaer

# MOLECULARIUM™

A MAGICAL MUSICAL ADVENTURE INTO THE WORLD OF MOLECULES



FEATURING THE MOLECULARIUM AND THE ATOMS OXY, HYDRO, AND HYDRA

STARRING RACHEL BROD DENNIS DELZOTTO SHELLEY HIRSCH DEREK SWEENEY SOUND DESIGN & ENGINEERING STEPHAN MOORE JESSE STILES SONGS JASON MARTIN NIKOLAS VAN EGTEN

SCORE TOSHIO KAJIWARA MOLECULAR SIMULATIONS MANOJ ATHAWALE HARSHIT PATEL SOWMI RAJAMANI ANIMATORS RAFAEL ALCALA JUSTIN ROSEN CHARACTER DESIGNER LEONA CHRISTIE

CHARACTER ANIMATOR STEVE REIN DIRECTOR OF PHOTOGRAPHY JOSHUA MINGES VISUAL FX SUPERVISOR BLAKE HOLLAND CREATIVE DIRECTOR CHRIS HARVEY EXECUTIVE PRODUCERS SHEKHAR GARDE LINDA S. SCHADLER RICHARD W. SIEGEL

WRITTEN BY V OWEN BUSH KURT PRZYBILLA PRODUCED BY KURT PRZYBILLA DIRECTED BY V OWEN BUSH

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THE CHILDREN'S MUSEUM OF PITTSBURGH

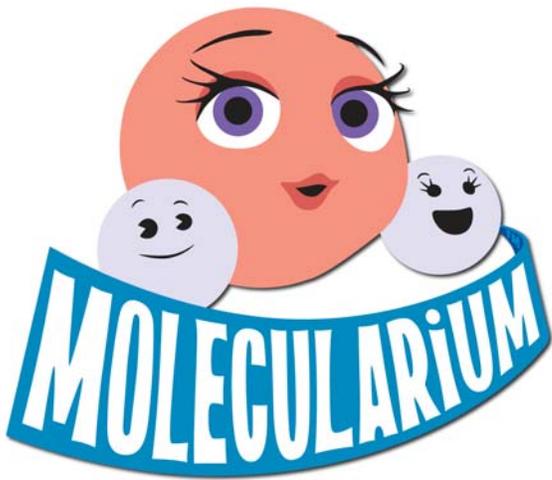


# Molecularium: Riding Snowflakes

*Everything is made of atoms!*

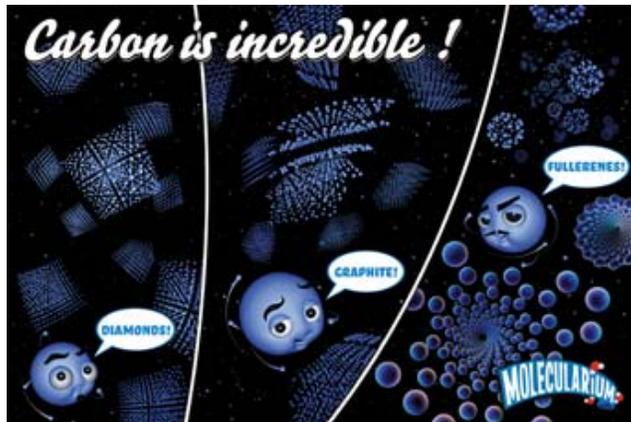
Produced by  
The Molecularium Project

Distributed by  
Loch Ness Productions



**Molecularium: Riding Snowflakes**, the award-winning digital dome experience, is a science lesson, a thrill-ride, and a magical musical adventure in a world of atoms and molecules. Aboard the Molecularium, audiences join a cast of

atomic characters on an immersive and unforgettable adventure into the nanoscale universe. Explore billions and trillions of atoms and molecules with Oxy, a precocious oxygen atom, and Hydro and Hydra, her wacky hydrogen pals. Ride from the atomic structure of a snowflake to the far reaches of space aboard the Molecularium, the most fantastic ship in the Universe.



In the digital dome adventure **Molecularium**, audiences are transported into the world of atoms, where they learn about the water cycle, the three states of matter, and that everything is made of atoms and molecules. Aligned with national science standards in primary school learning, educational assessment has shown that

**Molecularium** truly helps kids learn.

**Molecularium** brings kids on a

musical cartoon adventure into a nanoscale universe created from accurate molecular simulations. They travel into a cloud, watch a snowflake form, and count the number of water molecules in a raindrop.



Running time: **23:04** Year of production: **2005**  
Suitable for: **Family audiences**  
Information about: **Atoms and molecules**

Public performance of this show requires the signing of a License Agreement.

<b>Molecularium: Riding Snowflakes</b>			
MOVIE SIZE	RESOLUTION	1-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$5,700	MOL-S1
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$14,100	MOL-L1
SLICED	multiple channels, pre-sliced	\$18,000	MOL-G1

<b>Molecularium: Riding Snowflakes</b>			
MOVIE SIZE	RESOLUTION	50-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$7,100	MOL-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$17,620	MOL-L
SLICED	multiple channels, pre-sliced	\$22,500	MOL-G

PRICES INCLUDE encoding/formatting and slicing for most fulldome systems. Contact us for details.



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Revised 25 March 2023



A MUSEUM OF SCIENCE, BOSTON PRODUCTION

# DESTINATION MARS THE NEW FRONTIER



Produced by

Supported by



Distributed by  
**LOCH NESS  
PRODUCTIONS**



**Museum of Science**



This program is based upon work supported by NASA under grant number NNX10AM21G. Any opinions, findings, and conclusions or recommendations expressed are those of the Museum of Science and do not necessarily reflect the views of the National Aeronautics and Space Administration (NASA). Logo courtesy of NASA and the Museum of Science, Boston.



# Destination Mars: The New Frontier

*The next giant leap in human spaceflight is upon us!*

NASA and others have their sights set on the Red Planet, building the technology to get us there! Give your audiences an up-close look at humanity's most epic endeavor.

Immerse your audiences in the adventure of space exploration in this 2019 full-dome show from the Charles Hayden Planetarium at the Museum of Science, Boston.

Explore the work being done around the globe to help make the dream of getting humans to Mars a reality. Fly through the International Space Station, where astronauts are already living and working in space.

Follow the rockets and vehicles that will take humans beyond the Moon and, one day, all the way to Mars! Travel along as we imagine this remarkable journey.

Featuring the voice of Dr. Mae C. Jemison, physician, scientist, teacher and first black woman NASA astronaut.



Running time: 32 minutes    Suitable for: **General Public**    Information about: **Space exploration, Mars, ISS, Moon, NASA**    Year of production: 2019

## Destination Mars: The New Frontier

THEATER SIZE	ANNUAL ATTENDANCE	1-YEAR LICENSE	PRODUCT CODE	10-YEAR LICENSE	PRODUCT CODE
XSMALL	Less than 5,000	\$2,000	MSB4-P1	\$3,500	MSB5-P
SMALL	Less than 10,000	\$4,000	MSB5-S1	\$5,000	MSB5-S
THEATER SIZE	ANNUAL ATTENDANCE	1-YEAR LICENSE	PRODUCT CODE	5-YEAR LICENSE	PRODUCT CODE
MEDIUM	Less than 30,000	\$6,400	MSB5-M1	\$8,000	MSB5-M
INTERMEDIATE	Less than 50,000	\$10,000	MSB5-P1	\$12,500	MSB5-P
LARGE	Less than 100,000	\$14,500	MSB5-L1	\$18,000	MSB5-L
XLARGE	Less than 200,000	\$18,750	MSB5-X1	\$25,000	MSB5-X
GIANT	200,000 or more	\$24,000	MSB5-L1	\$30,000	MSB5-L

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.



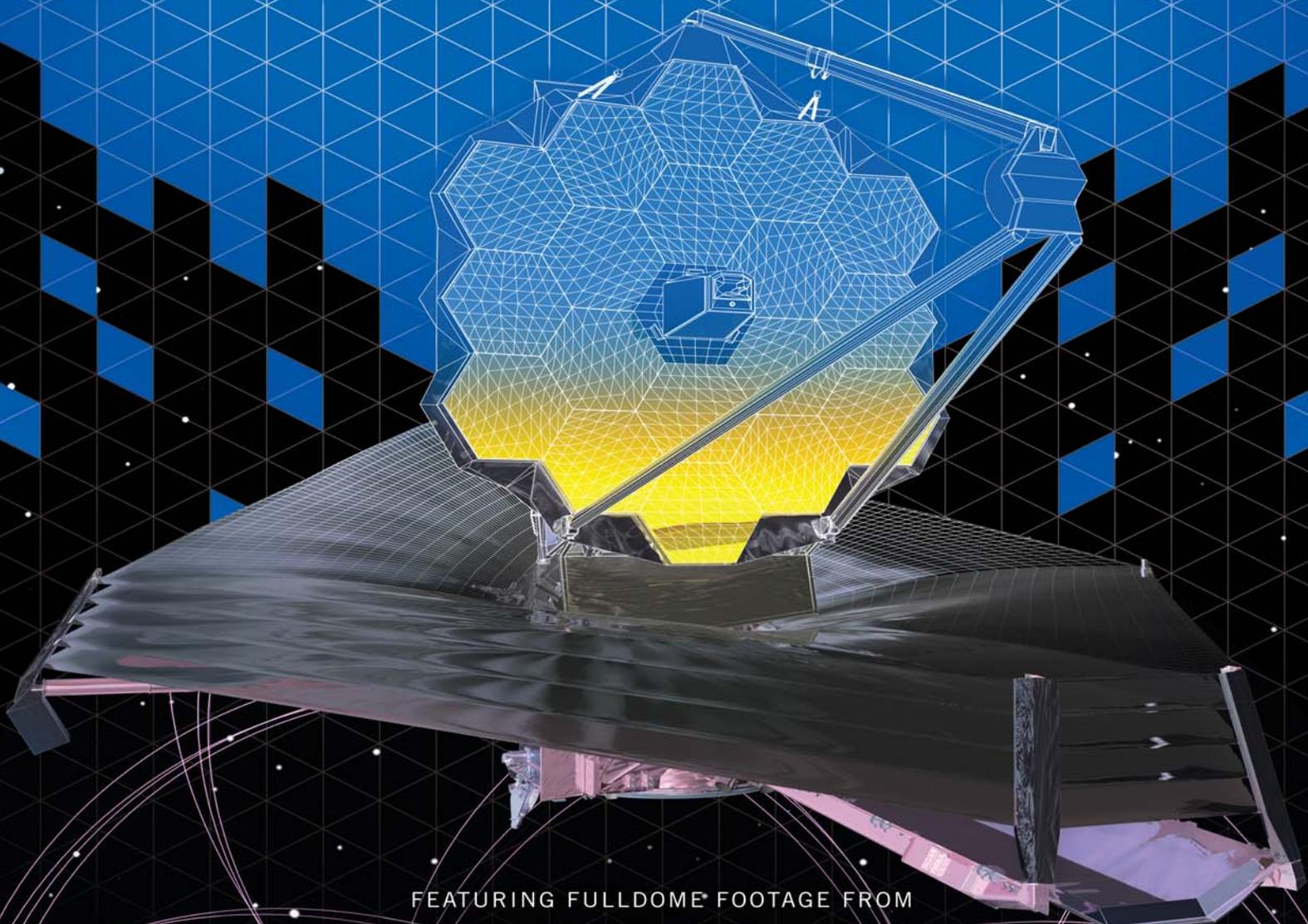
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Revised 9 April 2019

FROM DREAM TO

# DISCOVERY

INSIDE NASA



FEATURING FULLDOME® FOOTAGE FROM  
NASA GODDARD SPACE FLIGHT CENTER



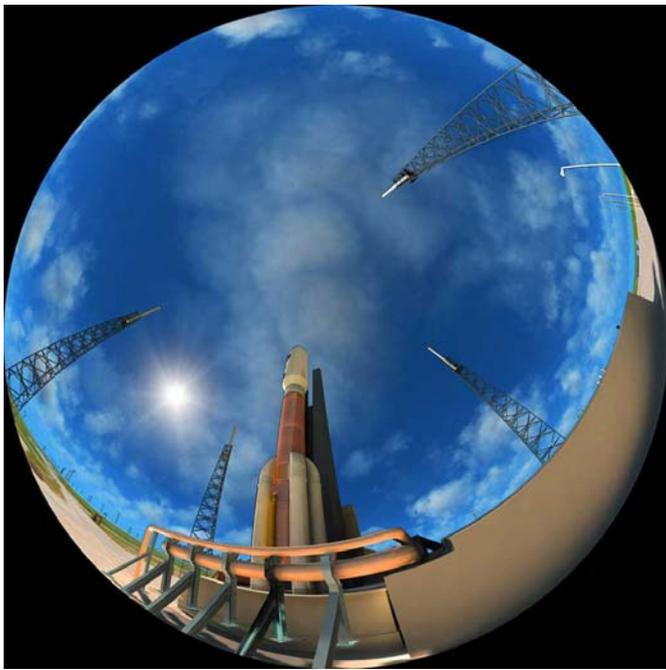
This material is based upon work supported by NASA under grant or cooperative agreement award number NNX12AL190. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Aeronautics and Space Administration (NASA).

Produced by the Museum of Science.



Distributed by  
Loch Ness  
PRODUCTIONS





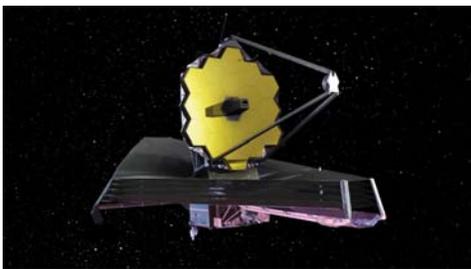
# From Dream To Discovery: Inside NASA

*When humans dare to dream,  
we create truly amazing things!*

Humans like to push limits, especially when they're in space. Explore how NASA engineers build the amazing ships that take us on journeys across the cosmos.

Immerse your audiences in the adventure and extremes of spacecraft engineering in this 2015 full-dome show from the Charles Hayden Planetarium at the Museum of Science, Boston.

This fascinating 30-minute show about space engineering begins with an exploration of the Hubble Space Telescope, with its many intricate parts that must work together to help this observatory achieve great things.



From there, we explore the James Webb Space Telescope, currently under construction and testing at NASA.

Finally, the show explores the New Horizons mission to Pluto, revealing the engineering challenges the mission has faced in its 10-year headlong rush to a distant and fascinating world.

How do engineers plan for the extreme environments a spacecraft must endure? Where do they test their work?

To answer those questions, the show takes us to NASA Goddard Space Flight Center's Integration and Testing facility, where space missions get tested. It shows how, from design to creation to launch, engineering is an exciting and fundamental process in space exploration. Finally, we witness a launch, the next step for a mission as it leaps up through Earth's gravity well.

*From Dream To Discovery: Inside NASA* is a fascinating look at how humans take the impossible and make it reality. It's a great way to introduce your audiences to the "right stuff" it takes to explore space.



Running time: 24, 30 minutes

Suitable for: **General Public**

Information about: **Space exploration, engineering**

Year of production: **2015**

## From Dream To Discovery: Inside NASA

THEATER SIZE	ANNUAL ATTENDANCE	1-YEAR LICENSE	PRODUCT CODE	10-YEAR LICENSE	PRODUCT CODE
XSMALL	Less than 5,000	\$2,000	MSB4-P1	\$3,500	MSB4-P
SMALL	Less than 10,000	\$4,000	MSB4-S1	\$5,000	MSB4-S
THEATER SIZE	ANNUAL ATTENDANCE	1-YEAR LICENSE	PRODUCT CODE	5-YEAR LICENSE	PRODUCT CODE
MEDIUM	Less than 30,000	\$6,400	MSB4-M1	\$8,000	MSB4-M
INTERMEDIATE	Less than 50,000	\$10,000	MSB4-P1	\$12,500	MSB4-P
LARGE	Less than 100,000	\$14,500	MSB4-L1	\$18,000	MSB4-L
XLARGE	Less than 200,000	\$18,750	MSB4-X1	\$25,000	MSB4-X
GIANT	200,000 or more	\$24,000	MSB4-L1	\$30,000	MSB4-L

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.



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Revised 8 May 2016



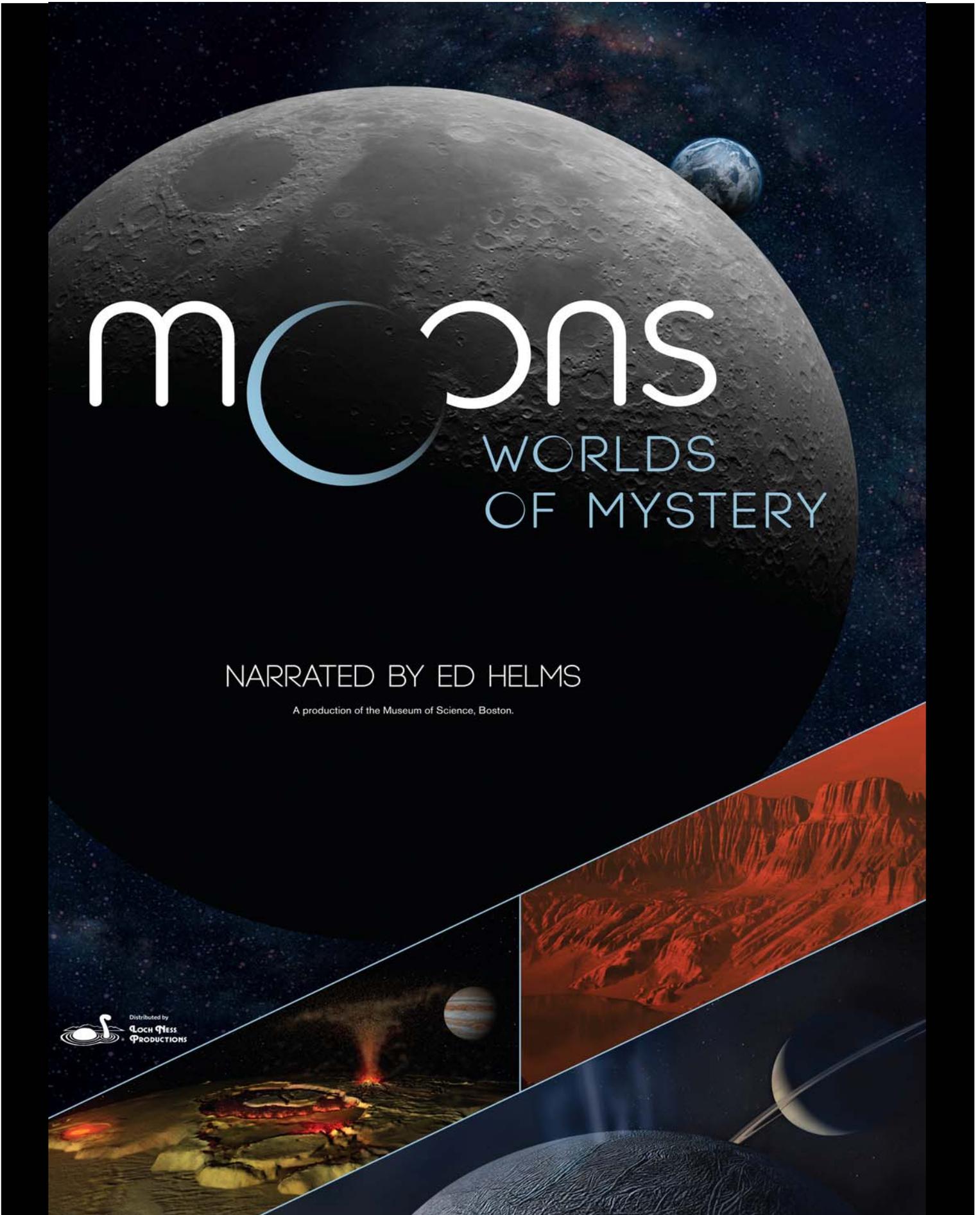
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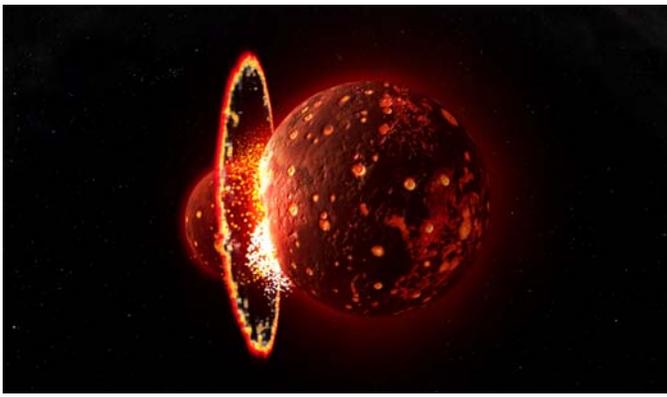
# moons

WORLDS  
OF MYSTERY

NARRATED BY ED HELMS

A production of the Museum of Science, Boston.





# Moons: Worlds Of Mystery

*Take a fascinating trip to the little worlds of our solar system!*

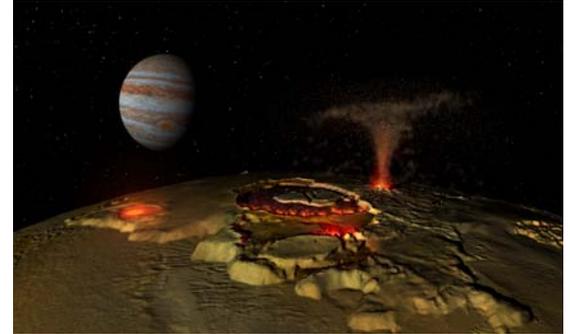
Sometimes the smallest places have the most amazing things to teach us about our incredible solar system!

When you consider the solar system, you often think of the Sun and its planets. But what about moons? What role do they play?

Find out in **Moons: Worlds of Mystery**, a show from the Charles Hayden Planetarium of the Museum of Science, Boston. It explores the many and varied satellites that exist, delves into what they look like and what they contribute to our knowledge of the solar system — a hundred known satellites throughout the solar system, orbiting five other planets and even some asteroids and Kuiper Belt objects.

**Moons: Worlds of Mystery** show starts with our own Moon, and explores its birth in a violent collision between infant Earth and a Mars-sized object some 4.5 billion years ago. The Moon has contributed not only to Earth's stability, but possibly even to the conditions making our planet habitable for early life. Today we explore the Moon remotely, with landers and orbiters. But, one day soon, people will return to the Moon to live and work.

The show turns next to the incredible diversity of moons around Jupiter, including the four discovered by Galileo Galilei and recently explored by sophisticated modern spacecraft. They run the gamut from Io's volcanic inferno to Europa's icy subsurface oceans.



We learn by looking at moons around Saturn that their gravity and interactions govern phenomena such as tidal force and planetary ring structure. Perhaps most intriguing is the exploration of moons that could support extraterrestrial life.

**Moons: Worlds of Mystery** then explores Titan's liquid oceans of ethane and methane, and encourages us to reevaluate just what conditions are suitable for life.

Finally, our exploration brings us to the outer solar system, with the discovery of moons orbiting asteroids and Kuiper Belt objects like Pluto.

They show the incredible diversity of worlds, both large and small, that orbit the Sun. With these revelations, we will piece together the long history of our Sun, planets, and moons. It's exciting to wonder where humanity's curiosity and imagination will take us next!

Running time: **35, 24** minutes    Suitable for: **General Public**    Information about: **Solar system, Moon, other moons**    Year of production: **2013**

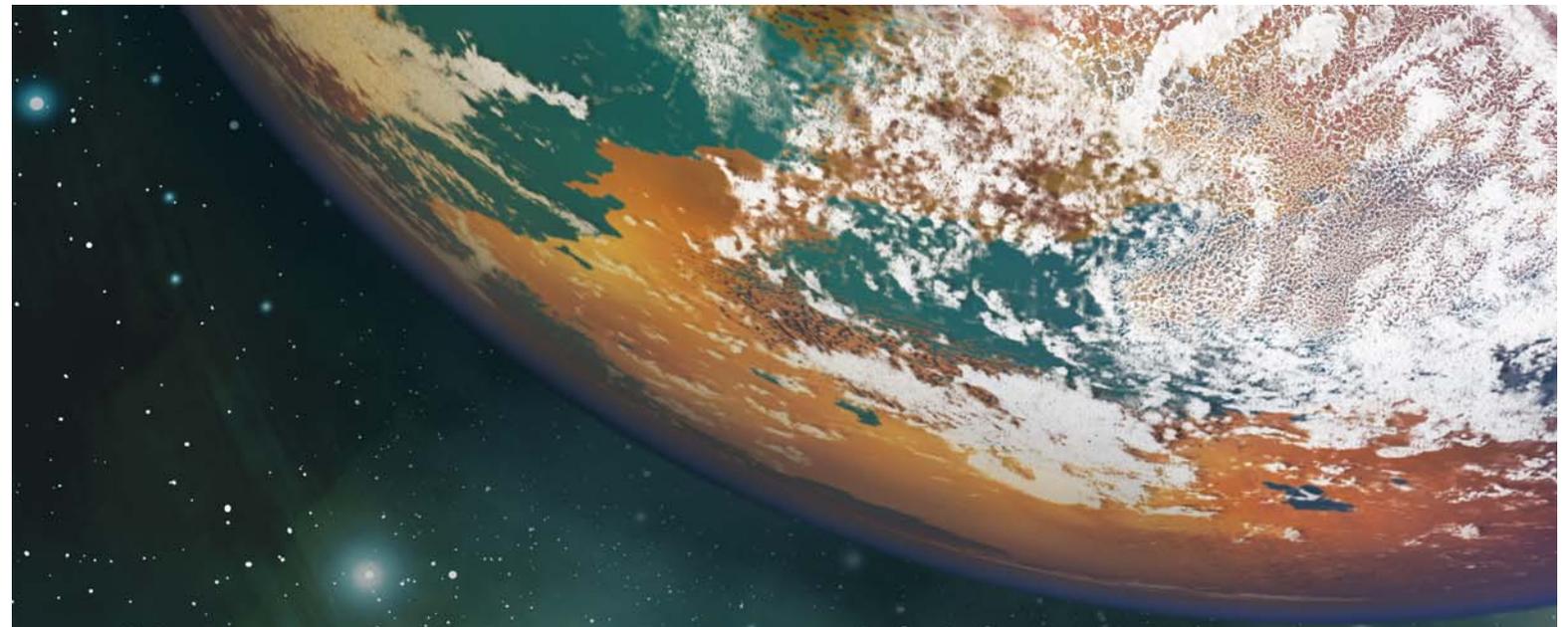
<b>Moons: Worlds Of Mystery</b>					
<b>THEATER SIZE</b>	<b>ANNUAL ATTENDANCE</b>	<b>1-YEAR LICENSE</b>	<b>PRODUCT CODE</b>	<b>10-YEAR LICENSE</b>	<b>PRODUCT CODE</b>
<b>XSMALL</b>	Less than 5,000	<b>\$2,000</b>	<b>MSB2-P1</b>	<b>\$3,500</b>	<b>MSB2-P</b>
<b>SMALL</b>	Less than 10,000	<b>\$4,000</b>	<b>MSB2-S1</b>	<b>\$5,000</b>	<b>MSB2-S</b>
<b>THEATER SIZE</b>	<b>ANNUAL ATTENDANCE</b>	<b>1-YEAR LICENSE</b>	<b>PRODUCT CODE</b>	<b>5-YEAR LICENSE</b>	<b>PRODUCT CODE</b>
<b>MEDIUM</b>	Less than 30,000	<b>\$6,400</b>	<b>MSB2-M1</b>	<b>\$8,000</b>	<b>MSB2-M</b>
<b>INTERMEDIATE</b>	Less than 50,000	<b>\$10,000</b>	<b>MSB2-P1</b>	<b>\$12,500</b>	<b>MSB2-P</b>
<b>LARGE</b>	Less than 100,000	<b>\$14,500</b>	<b>MSB2-L1</b>	<b>\$18,000</b>	<b>MSB2-L</b>
<b>XLARGE</b>	Less than 200,000	<b>\$18,750</b>	<b>MSB2-X1</b>	<b>\$25,000</b>	<b>MSB2-X</b>
<b>GIANT</b>	200,000 or more	<b>\$24,000</b>	<b>MSB2-L1</b>	<b>\$30,000</b>	<b>MSB2-L</b>

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.



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Revised 23 June 2015



# UNDISCOVERED WORLDS

**THE SEARCH BEYOND OUR SUN**



Distributed by  
**LOCH NESS  
PRODUCTIONS**



A production of the  
Museum of Science, Boston



# Undiscovered Worlds: The Search Beyond Our Sun

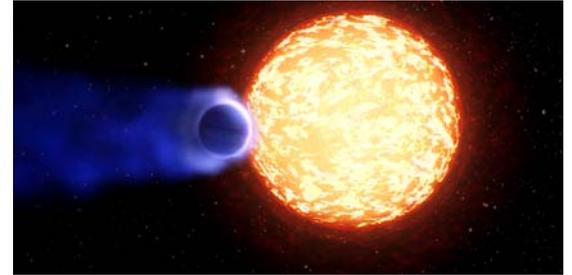
## Alien worlds – they're out there!

Come along on the search for extrasolar planets and see what astronomers are finding around distant stars.

Humans have long imagined exotic and intriguing worlds beyond our solar system. However, in recent years, science fiction has become science fact. In *Undiscovered Worlds: The Search Beyond Our Sun*, you and your audiences can now see what our sophisticated telescopes and detection techniques are finding *out there*.

We now know that our Sun is not the only star with orbiting planets. Since the discovery of the first exoplanet in 1995, astronomers have found hundreds more orbiting other stars in our galaxy and beyond. What are they like? *Undiscovered Worlds: The Search Beyond Our Sun* takes you there to find out!

Our journey begins on a starlit beach, but the coming dawn reveals that this is no ordinary beach. We see a world with unfamiliar plant life and landscapes, as well as an alien sky. Are Earth-like planets like this common or unique in our universe? To find out, we go to a star very similar to our Sun: 51 Pegasi. As a great shadow passes in front of the star, a giant exoplanet orbits nearby. It's unlike anything in our solar system: more than a hundred times as massive as the Earth but is extremely close to its star.



To understand how unusual this system is, we look at our own solar system as it formed some 4.5 billion years ago, resulting in small rocky planets close to the Sun and gas giants farther away. Since astronomers are now finding exoplanets that do not follow this same pattern, they are re-thinking our views of planetary mechanics and the dynamics of planetary formation.



One of the most important goals in exoplanet studies is the search for a world capable of supporting life. We target rocky, terrestrial worlds because they are most similar to Earth, but they are not always hospitable to life. As the show takes us into the atmosphere of the exoplanet CoRoT-7b, we see that this planet is so close to its star that everything on the surface is molten. To find life, we must also look in the habitable zones of stars, where temperatures allow liquid water to be stable on the surface. Flying into the planetary system of Gliese 581, we see that one of its four planets is just inside the habitable zone. The show takes us for a visit to see just how like Earth it might be.

One of our most powerful tools in the search for Earth-like worlds is the Kepler telescope. This amazing space-based observatory, launched in 2009, intently watched more than 100,000 stars in the hopes of observing exoplanets transiting their stars. From the

faint dimming of starlight as they passed, astronomers learned many things about those distant worlds. The results from Kepler have changed our view of extrasolar planets, and are shaping our understanding of how planetary systems form. Ultimately, what we learn from Kepler will help us see how common or rare planets like Earth may be in the universe.

The show ends on a starlit beach on Earth, and reminds us that whatever we find "out there", human existence is just one tiny grain of sand on the beach of the cosmic sea. The universe is incredibly old and large, and humans have only been around for a very short time, making incredible discoveries. We're pleased to offer *Undiscovered Worlds: The Search Beyond Our Sun* to you and your audiences for your own exoplanet explorations

Running time: **30, 24 minutes**    Suitable for: **General Public**    Information about: **Exoplanets, solar system, Kepler**    Year of production: **2010**

### Undiscovered Worlds: The Search Beyond Our Sun

THEATER SIZE	ANNUAL ATTENDANCE	1-YEAR LICENSE	PRODUCT CODE	10-YEAR LICENSE	PRODUCT CODE
XSMALL	Less than 5,000	\$2,000	MSB1-P1	\$3,500	MSB1-P
SMALL	Less than 10,000	\$4,000	MSB1-S1	\$5,000	MSB1-S
THEATER SIZE	ANNUAL ATTENDANCE	1-YEAR LICENSE	PRODUCT CODE	5-YEAR LICENSE	PRODUCT CODE
MEDIUM	Less than 30,000	\$6,400	MSB1-M1	\$8,000	MSB1-M
INTERMEDIATE	Less than 50,000	\$10,000	MSB1-P1	\$12,500	MSB1-P
LARGE	Less than 100,000	\$14,500	MSB1-L1	\$18,000	MSB1-L
XLARGE	Less than 200,000	\$18,750	MSB1-X1	\$25,000	MSB1-X
GIANT	200,000 or more	\$24,000	MSB1-L1	\$30,000	MSB1-L

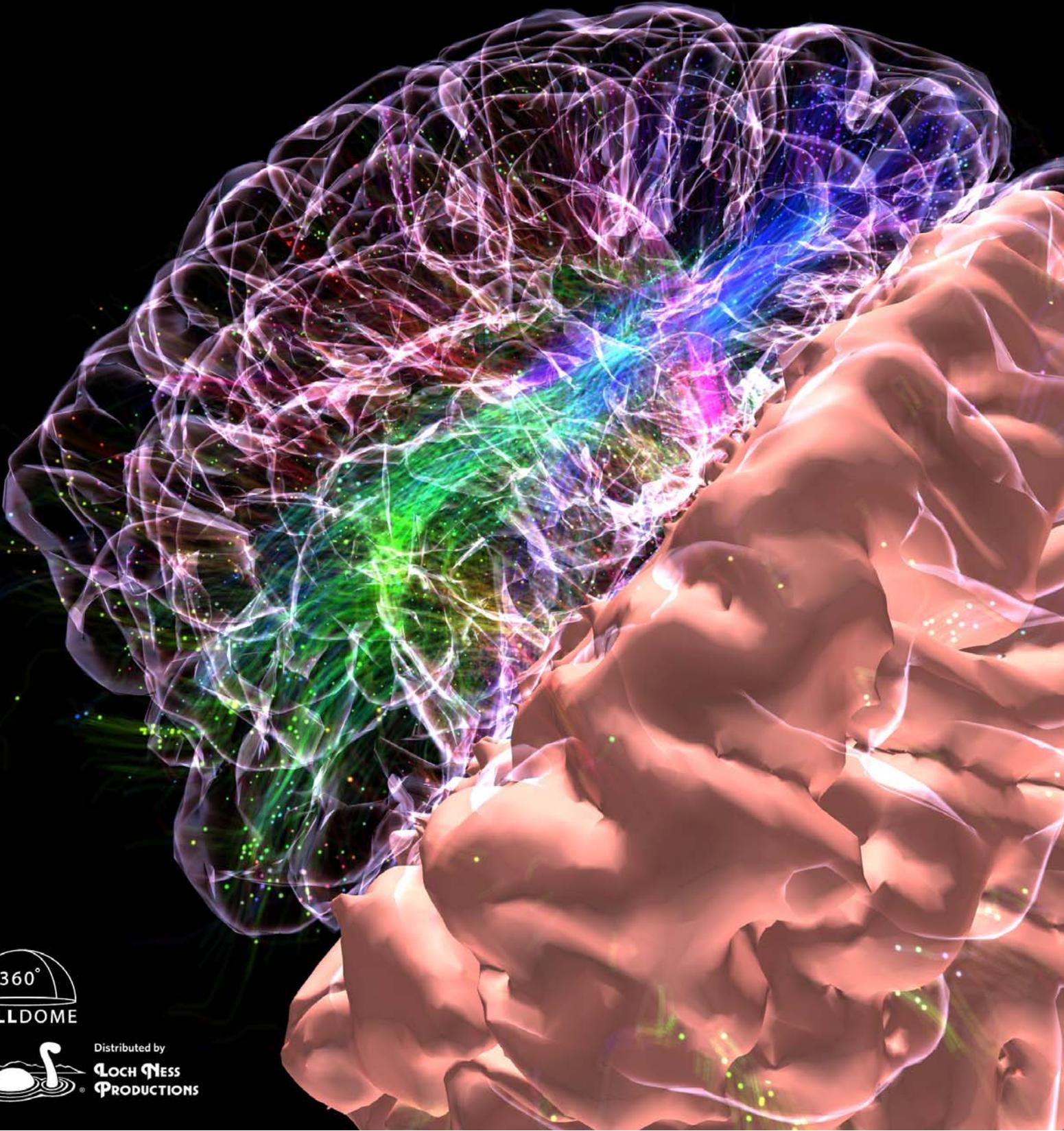
PRICES INCLUDE encoding/formatting and slicing for most fulldome systems. Contact us for details.



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Revised 18 September 2015

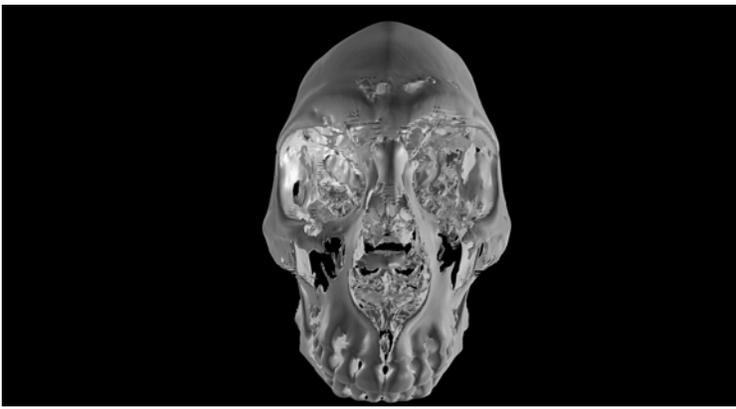
# NEURODOME



360°  
FULLDOME



Distributed by  
**LOCH NESS**  
**PRODUCTIONS**



# Neurodome

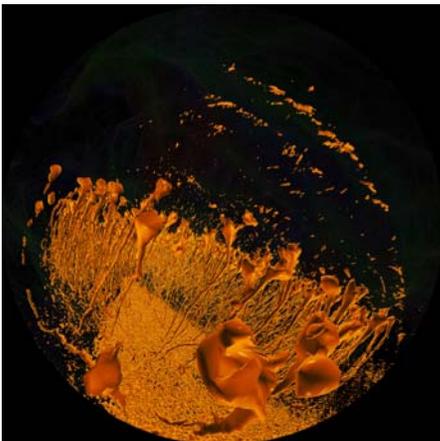
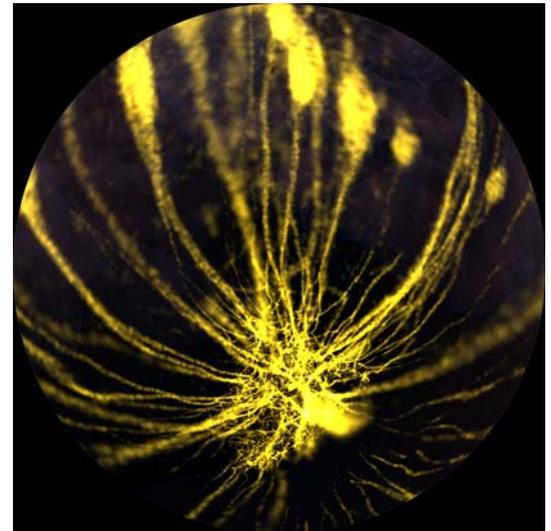
*Where in the mind does  
the spark of curiosity begin?*

Produced by  
**Neurovision LLC**

The planetarium film journeys from the outer limits of the universe down to Earth and into the brain to explore the "inner" frontier of human knowledge!

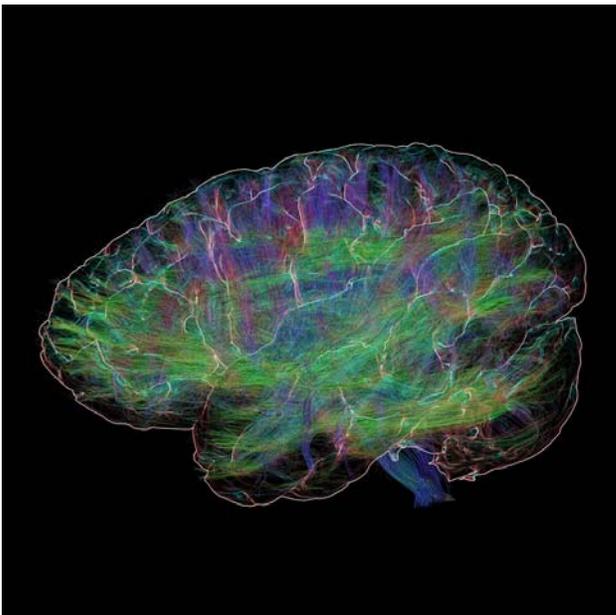
In this film, produced through a collaboration of scientists, doctors, animators, and planetarium specialists, real brain images come alive as neuroimaging technology becomes your observatory to discover what makes us human.

The audience will explore imagery on scales ranging from the size of the entire head down to the sub-cellular scale, millions of times smaller.



The film takes audiences flying through the skull to the outer layers of the cerebral cortex, exploring sub-components of the brain, wandering through neurons, and much more.

Throughout the journey, audiences will get an unprecedented view of our place in the universe, and in turn, where the universe is represented in our brain. For most people, the tour will be their first immersive trip through a real human brain... a truly mind-blowing experience!



Running time: **10:21**  
 Year of production: **2014**  
 Suitable for: **General public**  
 Information about:  
**Life sciences, medicine, neuroscience, brain, 3D data visualization.**

Public performance of this show requires the signing of a License Agreement.

<i>Neurodome</i>			
MOVIE SIZE	RESOLUTION	10-YEAR LICENSE	PRODUCT CODE
<b>SMALL/MEDIUM</b>	single channel, smaller than 2000 pixels	<b>\$1,500</b>	<b>NRD-S</b>
<b>X-LARGE</b>	single channel, larger than 2000 pixels	<b>\$5,000</b>	<b>NRD-L</b>
<b>SLICED</b>	multiple channels, pre-sliced	<b>\$5,000</b>	<b>NRD-G</b>

PRICES INCLUDE encoding/formatting and slicing for most fulldome systems. Contact us for details.



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Revised 25 March 2023



# INTO THE DEEP





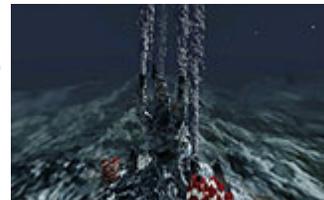
# Into The Deep

*Explore the depths of the ocean!*

Dive with the pioneers of deep-sea research on their journeys of discovery, on the most famous submersibles in history, to come face-to-face with the fascinating creatures that survive where no life was ever expected — *Into The Deep!*

The deep sea is one of the most mysterious and little-explored regions of Earth. We know more about the surface of the Moon than we do about the wonders hidden beneath the waves of our planet's seas.

The deepest parts of our oceans teem with life forms so strange-looking they could be from the realm of science fiction. These fantastic creatures inhabit a realm of underwater volcanoes, engulfed mountain ranges, and vast trenches cut into the crust of the planet.



*Into the Deep* is a breathtaking journey of sea exploration originally created by Ogrfish Filmproductions, adapted and re-narrated by Loch Ness Productions. It combines marine biology, underwater geology and a history of deep-sea exploration.

The show shares glimpses of rarely seen marine organisms: biolumnescent frogfish, jellyfish, vampire squid, viperfish, pelican eels, and the mysterious fangtooth — all perfectly adapted to the extreme pressures and temperatures of their alien environment.



In addition to teaching about marine biology and ocean exploration, *Into the Deep* documents submersible exploration, and describes the basic physical principles that allow humans to venture safely into these otherworldly landscapes. Audiences will experience the dive of *Trieste* to the Challenger Deep, the lowest point of the Mariana Trench in the South Pacific. This region is regarded as one of the most challenging for divers on Earth.

The show presents the evolution of deep-sea diving vessels used to explore the ocean environment. The 1930 mission by William Beebe and Otis Barton marked humanity's first true exploration of the depths. Recent dives are recounted, from Robert Ballard's journey to the *RMS Titanic* (which sank in 1912) to filmmaker James Cameron's recent solo dive into the Mariana Trench — all are expanding our understanding of the deep-sea environment.

*Into the Deep* is an exciting, engaging and engrossing exploration of Earth's oceans, using the immersive power of the dome theater to transport audiences to the spectacular hidden depths of our home planet.



Running time: **31:30**    Year of production: **2012**  
 Suitable for: **General public**  
 Educational content: **Marine biology, oceans, astronomy, exploration, environment, nature**

Public performance of this show requires the signing of a License Agreement.

<i>Into The Deep</i>			
MOVIE SIZE	RESOLUTION	50-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$4,700	OGR1-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$12,000	OGR1-L
SLICED	multiple channels, pre-sliced	\$20,000	OGR1-G

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Revised 25 March 2023

KENJI WILLIAMS PRESENTS

# BELLA GAIA®

BEAUTIFUL EARTH  
A POETIC VISION OF EARTH FROM SPACE

**“BELLA GAIA transported me back into orbit, to feel the  
Beauty and Power of the Earth.”**

- John Grunsfeld (NASA Astronaut, Spacewalker)

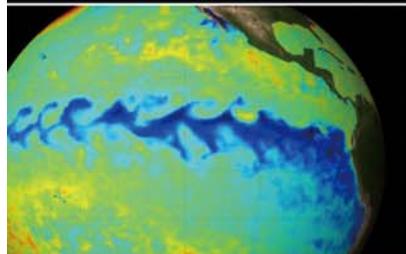


Distributed by

Loch Ness  
PRODUCTIONS

[www.bellagaia.com](http://www.bellagaia.com)

DENVER MUSEUM OF  
NATURE & SCIENCE



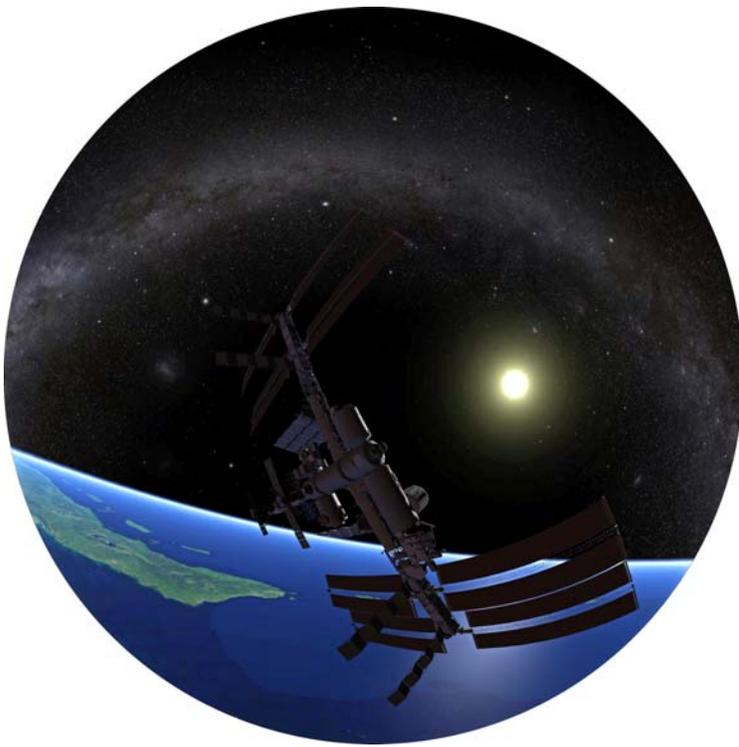
# Bella Gaia

## A poetic and musical vision of Earth from Space

*Bella Gaia* shows you how humans and nature are connected, and how art and science are connected. It's an exploration of the relationship between human civilization and our ecosystem through time and space.

A "Living Atlas" journey of our planet, *Bella Gaia* creates a direct experience and connection with the creative forces of Earth with full-dome NASA scientific visualizations, guided by the ecstatic music of Kenji Williams.

It's an unprecedented audiovisual experience that combines satellite imagery of Earth, time-lapse nature photography, and cultural heritage scenes with stirring musical performances. From ancient Egyptian tombs, Indian rituals, cherry blossoms, and city scenes in Tokyo and New York, this beautiful full-dome show explores the relationship between human civilization and our ecosystem through time. It illuminates humanity's impact on nature in a way that taps audiences' emotional intelligence.



Inspired by astronauts who experienced the life-changing power of seeing the Earth from space, filmmaker and composer Kenji Williams created *BELLA GAIA* to simulate a transformation called the "Overview Effect". Working closely with NASA's scientific visualization studio, the award-winning full-dome show *BELLA GAIA* successfully simulates space flight, taking the audience on a spectacular journey around planet Earth.

Scientific research suggests that our neurochemistry opens the door to cognitive learning through emotional and right-brain engagement. Without this deeper, memorable experience, the human brain does not learn. Humans absorb what they feel, not what they are taught, and this is what drives action.

After one *BELLA GAIA* performance, NASA-funded survey results showed a 90% conversion rate in audience members reporting a greater understanding of our planet, many viewers felt a more personal connection with Earth.

NASA has recognized *BELLA GAIA*'s ability

to engage and inspire a wide demographic, and recently awarded a significant grant for *BELLA GAIA*'s education platform for K-12 students across the country.



Running time: 25 minutes Year of production: 2014  
Suitable for: General public Information about: Earth, Space

Public performance of this show requires the signing of a License Agreement.

### Bella Gaia

MOVIE SIZE	RESOLUTION	10-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$4,000	RAL1-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$9,000	RAL1-L
SLICED	multiple channels, pre-sliced	\$15,000	RAL1-G

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.



Take YOUR audiences on this inspiring journey across the face of our planet so that they, too, can enjoy the same awesome views and feelings that astronauts enjoy each time they live and work in space. It may well be the most beautiful, moving, and educational experience you have in your dome.

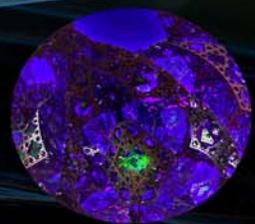
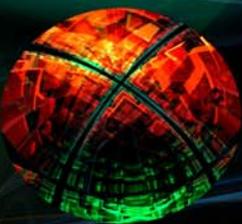


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Journey into the Language of the Universe

# CHAOS and ORDER

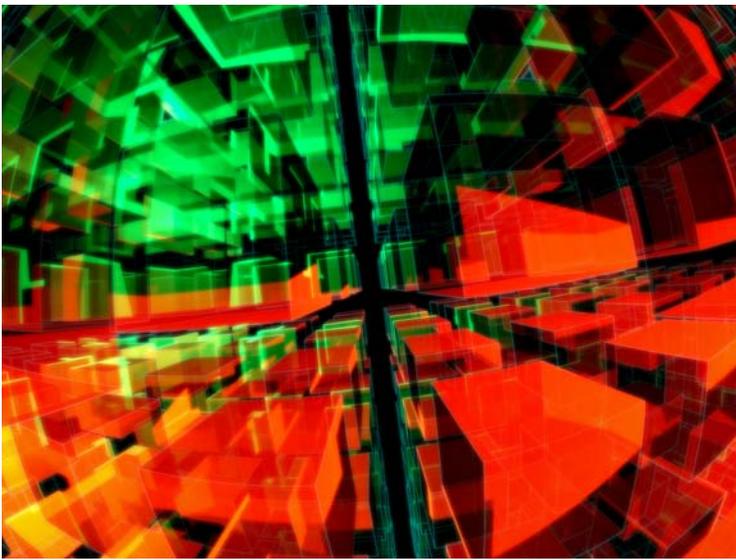


A M a t h e m a t i c S y m p h o n y

Produced by Rocco Helmchen and Johannes Kraas



Distributed by  
**LOCH NESS  
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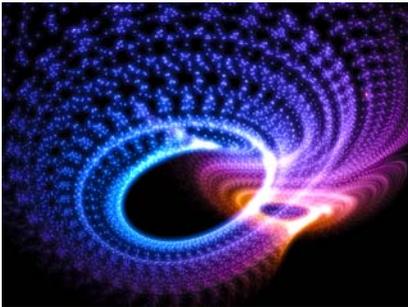
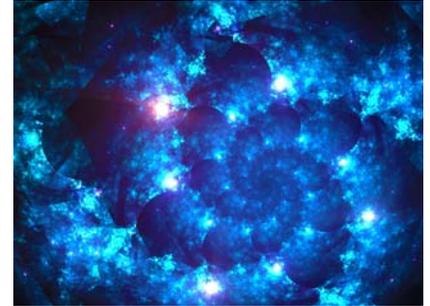
# Chaos and Order - A Mathematic Symphony

*Journey into the Language of the Universe!*

"The Universe is made of math."  
— Max Tegmark, MIT Physicist

Does mathematics  
have a color?

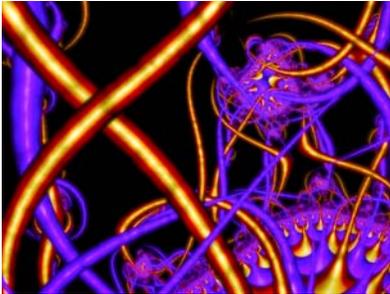
Does it have a  
sound?



Media artist Rocco Helmchen and composer Johannes Kraas try to answer these questions in their latest educational/entertainment full-dome show ***Chaos and Order - A Mathematic Symphony***.

The show captivates audiences by taking them on a journey into a fascinating world of sensuous, ever-evolving images and symphonic electronic music.

Structured into four movements — from geometric forms, algorithms, simulations to chaos theory — the show explores breathtaking animated visuals of unprecedented beauty.



Experience the fundamental connection between reality and mathematics, as science and art are fused together in this immersive celebration of the one language of our universe.



Visualizations in <i>Chaos and Order - A Mathematic Symphony</i>			
<b>1st Movement - Form</b>  Mesh cube Static cube-array Symmetry: Kaleidoscope Voronoi diagram Platonic solids: Hexahedron Tetrahedron Octahedron Icosahedron Dodecahedron Dynamic geodesic sphere-array Dynamic cube-array 5-ring Borromean knot Geodesic sphere Gyroid minimal surface Spiral surface Clebsch diagonal cubic surface	<b>2nd Movement - Simulation</b>  N-body simulation Simulated galaxy-superstructures Rigid-body dynamics Fluid dynamics Boids flocking simulation Boids flight tracks Viscoelastic fluid Thermodynamics Gravity-set simulation Light-gravity simulation N-body simulation: galaxy collision	<b>3rd Movement - Algorithm</b>  Belousov-Zhabotinsky cellular automata Evolutionary genetic art Diffusion-limited aggregation (3D) Coupled cellular automata Cycloid Diffusion-limited aggregation (2D) Rabinovich-Fabrikant equation Reaction-diffusion system: Ginzburg-Landau model Reaction-diffusion system: Turing model Lorenz attractor	<b>4th Movement - Fractal</b>  Mandelbrot set Secant Fractal Escape Fractal Iterated function system: Recursive fractal flames Mandelbulb Fractal Mandelbox Fractal Newton Fractal Menger sponge

Running time: **29, 40, or 51** minutes    Year of production: **2012**  
 Suitable for: **General public**  
 Information about: **Mathematical visualizations, fractals, music**

Public performance of this show requires the signing of a License Agreement.

<i>Chaos and Order - A Mathematic Symphony</i>					
MOVIE SIZE	RESOLUTION	1-YEAR LICENSE	PRODUCT CODE	50-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$3,000	ROC1-S1	\$4,900	ROC1-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$8,125	ROC1-L1	\$10,550	ROC1-L
SLICED	multiple channels, pre-sliced	\$11,500	ROC1-G1	\$14,950	ROC1-G

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Revised 25 March 2023

An audiovisual experience from  
the producers of "Chaos and Order"

# Dimensions

Once Upon Our Reality



Produced by Rocco Helmchen & Johannes Kraas  
With kind support by the Zeiss-Planetarium Bochum





# Dimensions — Once Upon Our Reality

*Can a question itself be more powerful than its answer?*

What is "reality"? Is it the interaction of time, space, particles and forces? A hallucination created by billions of neurons in our body? A monolithic mathematical machine? Are there other realities, universes or dimensions? These questions are almost impossible to answer — yet just asking them sparks our imagination.

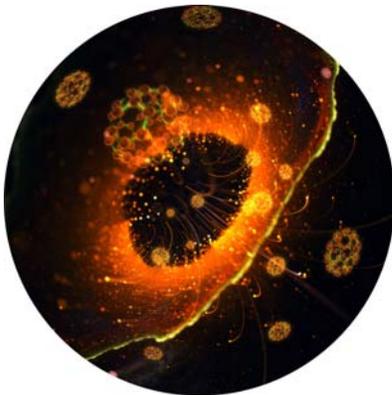
Artists Rocco Helmchen and Johannes Kraas tackle the big questions in *Dimensions — Once Upon Our Reality*, a worthy successor to their popular 2013 full-dome show *Chaos and Order — A Mathematic Symphony*. The result is a fantastic journey through art and science, accessible to full-dome audiences eager to explore the hidden dimensions of our existence.

The great physicist Albert Einstein once wrote, "The most beautiful thing we can experience is the mysterious. It is the source of all true art and science." The producers took their cue from this quote to focus on the experience of the unknown and the feeling of the invisible universe that makes up the reality we think we know.

*Dimensions* is an exploration of physics,



quantum mechanics, inner and outer space, and the concept of the multiverse through the lens of art and music, deserving of a spot in every dome's repertoire.



The producers' creativity transports audiences to fascinating worlds, where they find the time and space to think and feel about exciting and thought-provoking questions. The captivating scenes combine science visualizations, artistic interpretation of scientific concepts, and real-time sequences filmed in research laboratories and institutions actually involved in making the groundbreaking observations shaping our concepts of reality. In each act — from "SpaceTime", "Quantum", "InnerSpace OuterSpace", to "Multiverse" — concentrated introductions and philosophical quotes open doors to understanding, visualizing the specific themes in physics, cosmology and math, and taking on the theoretical underpinnings of our everyday experience.

*Dimensions* expands the concept of an arts and music show, combining carefully measured narration with the key component of music. Johannes' original compositions and orchestrations function as a spark for the audience's emotions, while the sound design enhances and expands Rocco's visuals. Following the principles of "visual music", image and sound influence each other, fusing these

elements into a dynamic harmonious choreography. What remains with audiences is a strong feeling there may be unexplored realms and worlds in and around us.

These dimensions may influence us more strongly than what we already know and think we understand.

*Dimensions — Once Upon Our Reality* invites audiences to let go, drift away, think big, have fun, and most of all stay curious. It's entertainment, built on and inspired by science and discovery.



Running time: **50:00** Year of production: **2017**  
 Suitable for: **General public** Information about: **Particle physics, quantum theory, time, cosmology, multiverse, music.**

Public performance of this show requires the signing of a License Agreement.

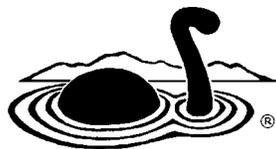
<i>Dimensions — Once Upon Our Reality</i>			
MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$4,350	ROC2-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$11,150	ROC2-L
SLICED	multiple channels, pre-sliced	\$16,500	ROC2-G

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