

# planet nine



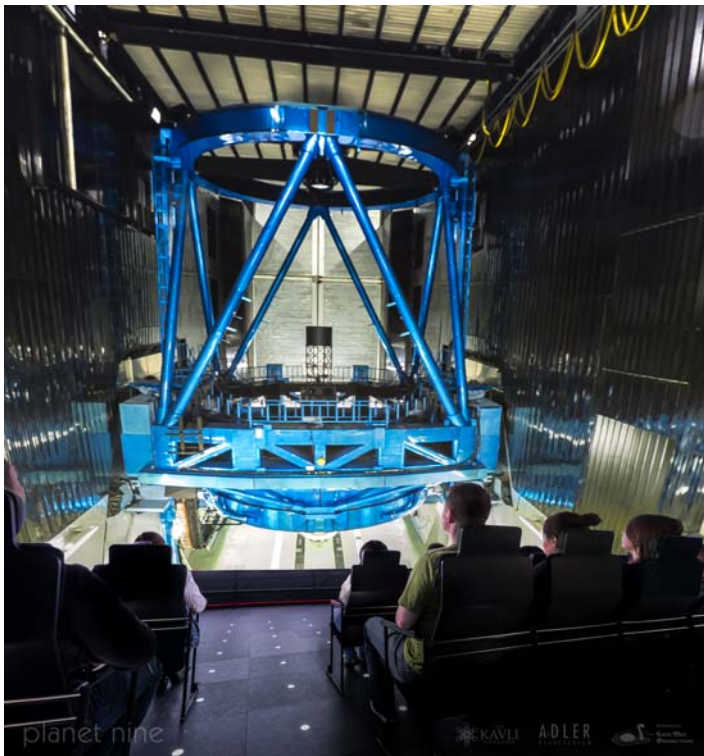
*the search is on.*

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.



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# 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.

Planet Nine			
MOVIE SIZE	For systems projecting circles that are:	5-YEAR LICENSE	PRODUCT CODE
SMALL	smaller than 1300 pixels	\$3,000	ADL4-S
MEDIUM	1300 to 2000 pixels (or prewarped)	\$5,000	ADL4-M
LARGE	2000 to 3000 pixels	\$10,000	ADL4-L
X-LARGE	larger than 3000 pixels	\$15,000	ADL4-X
SLICED	sliced for multiple projectors	\$17,500	ADL4-G

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



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