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Contacts:

Patrick Paolucci  
press@slooh.com  
877-427-5664 x3

Text:

<http://goo.gl/Gw5iE9>

## **Slooh to Cover Penumbral Lunar Eclipse Live on October 18th**

On Friday October 18, the Full Moon will venture into Earth's outer or penumbral shadow, producing an eclipse. Slooh, the Community Observatory, will track the Moon with its Canary Islands Half-Meter telescope, showing real-time as well as time-lapse views of the eclipse, accompanied by live narration from Slooh's Paul Cox, and astronomer Bob Berman.

Slooh will broadcast live images for the entire duration of the eclipse (4hrs 10mins), commencing at 2:45PM PDT / 5:45PM EDT / 21:45UTC, so viewers can monitor the subtle changes as the Moon gradually dims. The Slooh broadcast team will join the show starting at 4:30PM PDT / 7:30PM EDT / 23:30UTC, which will include the time of greatest eclipse.

Perhaps the most interesting aspect of this penumbral eclipse will be the uneven shading that should overtake the Full Moon. This type of eclipse often goes completely unnoticed by observers; however, since one part of the Moon will be illuminated by a mostly-blackened out Sun covered up by the Earth while the opposite edge will experience full sunlight, the shading should be unusual, and worth observing.

Says Cox, "Although a penumbral lunar eclipse might go unnoticed by someone casually glancing at the Moon, we will be able to observe the gradual shading of the Moon in the live images Slooh will broadcast throughout the eclipse. The shading becomes far more apparent when viewed as a time-lapse, and we'll show viewers that during the live segment of the show."

Also discussed -- since this is also simultaneously the moment of the "Hunter's Moon" -- will be the lore, legend, and science of that second-most famous Full Moon of the year. During the 20 minute live broadcast, we will also discuss Full Moons in general, including the disproved putative effect on human births and mental illness.

Says Berman, "Many imagine that mental health waxes and wanes with the lunar phases. But admissions to mental hospitals and calls to crisis centers show there's no periodicity with the full Moon."

### Media Links - Feed Courtesy of Slooh

Link - <http://www.youtube.com/user/SloohOnAirVideos?feature=share&v=BPBC3GL2ZKQ>

Embed - `<iframe width="560" height="315" src="//www.youtube.com/embed/BPBC3GL2ZKQ" frameborder="0" allowfullscreen></iframe>`

### Event Timings:

Live images start:	2:45PM PDT   5:45PM EDT   21:45UTC
Broadcast team joins show:	4:30PM PDT   7:30PM EDT   23:30UTC
Greatest Eclipse:	4:50PM PDT   7:50PM EDT   23:50UTC
End of live images:	6:55PM PDT   9:55PM EDT   01:55UTC

## About Slooh

Since 2003 Slooh has connected ground-based telescopes to the Internet for access by the broader public. Slooh members have taken over 2.4m photos of over 40,000 celestial objects, and participated in numerous discoveries with leading astronomical institutions. Slooh's automated observatories develop celestial images in real-time for broadcast to the Internet. Slooh's technology is protected by Patent No.: US 7,194,146 B2 which was awarded in 2006. Slooh's flagship observatory is situated on Mt. Teide in the Canary Islands, in partnership with the Institute of Astrophysics of the Canary Islands (IAC). Slooh has also broadcast live celestial events from partner observatories in Arizona, Japan, Hawaii, Cypress, Dubai, South Africa, Australia, New Zealand and Norway. Slooh's free live broadcasts of potentially hazardous asteroids (PHAs), comets, transits, eclipses, solar activity etc. feature narration by astronomy experts Bob Berman and Paul Cox and are syndicated to media outlets such as NBC, ABC, CNN, Fox News, National Geographic, the BBC, Wired, The Weather Channel and more. Slooh's live celestial events have been viewed over a billion times, the highlight of which was the 2011 lunar eclipse broadcast live on Google's home page.

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