

FACT SHEET

- *400 Years of the Telescope* has been selected the official product of the International Year of Astronomy 2009.
- *400 Years of the Telescope* is the first science documentary to be filmed on 4K digital technology. Recorded at 4520 X 2540 pixels, the output is RAW frames, 4 times the resolution of a 35mm film, or of a quality described as 65 mm film or "grainless 35."
- The script for *400 Years of the Telescope* was developed with a board of advisors (see list) composed of the leading astronomers, cosmologists and astrophysicists in the world today.
- A full-dome and traditional planetarium program, *Two Small Pieces of Glass*, is available as a companion piece and will be utilized by at least eight PBS markets to tie in community events in collaboration with local planetariums.
- Coordinated outreach programs with educational organizations, amateur astronomy organizations, national broadcasters and planetariums are available to stations.
- The national PBS airdate for *400 Years of the Telescope* coincides with the conclusion of "100 Hours of Astronomy" - a worldwide event including live webcasts, public stargazing opportunities and more, April 2 - 5, when the Moon is in an ideal phase for early evening observing. Info at www.100hoursofastronomy.org.

- Composer Mark Slater created elements of the musical score for *400 Years of the Telescope* based on the numbers 1, 6, 0, 9 (the year Galileo made his discoveries). The numbers correspond to pitch classes, in which numbers are assigned to tones.
- *400 Years of the Telescope* companion coffee table book and DVD will be released in 2009.
- Monthly newsletter is available on www.400years.org.

AVAILABLE FORMATS Standard Definition, HD, 2K, and 4K digital cinema

LANGUAGE English with foreign subtitles

TRT 56:45

PRODUCED & DIRECTED BY Kris Koenig

WRITTEN BY Dr. Donald Goldsmith,
Dr. Al van Helden and Kris Koenig

NARRATED BY Dr. Neil deGrasse Tyson

MUSIC COMPOSED BY Mark Slater

MUSIC PERFORMED BY London Symphony Orchestra

WEBSITE www.400years.org

Photo: Canada-France-Hawaii Telescope, Hawaii. Photo by Kris Koenig



400 YEARS of the TELESCOPE
A JOURNEY OF SCIENCE, TECHNOLOGY AND THOUGHT

www.400years.org
(530) 343-5635

