

Annual report of Interdivision WG on Solar Eclipses.

Chair: Jay Pasachoff (US).

Report for the period August 2015 to September 2016

This is a functional WG of divisions C and E

The IAU Working Group on Eclipses concentrates on coordinating solar-eclipse activity around the world and on providing information via our easy-to-remember website at <http://eclipses.info>. Members include scientists from the U.S., Russia, Japan, India, Slovakia, and China, with experts on mapping, meteorology, solar filters, and airborne-expedition routing from the U.S., Canada, and France, and the coordinator of the Solar Eclipse Mailing List from the U.K.

Since the Hawaii General Assembly of 2015, a partial solar eclipse was visible from southern Africa on 13 September 2015, a total solar eclipse was visible from sites in Indonesia and the Pacific on 9 March 2016, and an annular solar eclipse was visible from Africa and Réunion on 1 September 2016 (<http://totalsolareclipse.net>). As of this writing, an annular solar eclipse will be visible from Chile and Argentina on 26 February 2017 (with an eclipse workshop in Esquel, Argentina, 22-24 February) and a total solar eclipse whose 100-km-wide path crosses the United States from west coast to east coast for the first time in 99 years, with partial phases visible from northern South America through the top of Canada, will occur on 21 August 2017. In 2018, before the Vienna General Assembly, there will be no central eclipses but partial solar eclipses on 15 February 2018 visible from Antarctica, Argentina, Chile, and southernmost Brazil and Uruguay; on 13 July 2018 visible from southeasternmost Australia including Tasmania and Invercargill and Stuart Island, New Zealand; and on 11 August 2018 visible from Greenland, Svalbard, Scandinavia, and most of Russia and China as well as Mongolia.

For the 21 August 2017 total solar eclipse, Working Group members Pasachoff (U.S.), Kurokawa (Japan), Rusin (Slovakia), Qu (China), and Schneider (U.S.) will be in Oregon, following favorable cloudiness statistics (<http://eclipsophile.com>) compiled by Working Group member Anderson, with other members at other U.S. sites. We are coordinating with the American Astronomical Society's Task Force on the 2017 Eclipse (<http://eclipse.aas.org>).

Jay M. Pasachoff, Williams College (Williamstown, Massachusetts, USA) and Caltech (Pasadena, California, USA), Chair

27 September 2016