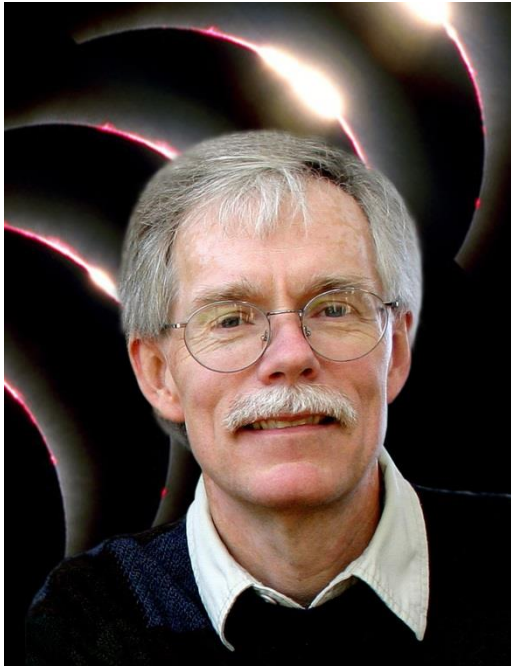


Biography: Fred Espenak



Fred Espenak is a scientist emeritus at Goddard Space Flight Center and is NASA's expert on eclipses. He maintains NASA's official eclipse web site (eclipse.gsfc.nasa.gov) as well as his personal web site on eclipse photography (www.mreclipse.com). Fred has published numerous books and articles of eclipse predictions and he is the co-author of the popular book "Totality - Eclipses of the Sun". His magnum opus, the "Five Millennium Canon of Solar Eclipses", includes a map of every solar eclipse occurring between 2000 BC and AD 3000.

His interest in eclipses was first sparked after witnessing a total solar eclipse in 1970. Since then, he has participated in 34 eclipse expeditions around the world including Antarctica. Fred's eclipse photographs have appeared in both national and international publications, and he has lectured extensively on the Sun, eclipses and photography. In 2003, the International Astronomical Union honored him by naming an asteroid "Espenak" http://solarsystem.nasa.gov/news/display.cfm?News_ID=5019

Now retired and living in rural Arizona, Fred spends most clear nights losing sleep and photographing the stars (www.astropixels.com).