Record Nr. UNINA9910300435503321 Autore Cottam Stella Titolo Eclipses, Transits, and Comets of the Nineteenth Century: How America's Perception of the Skies Changed / / by Stella Cottam, Wayne Orchiston Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2015 ISBN 3-319-08341-4 Edizione [1st ed. 2015.] Descrizione fisica 1 online resource (345 p.) Collana Astrophysics and Space Science Library, , 0067-0057;; 406 Disciplina 509 520 530 530.01 Soggetti Observations, Astronomical Astronomy—Observations History **Physics** Astronomy, Observations and Techniques History of Science History and Philosophical Foundations of Physics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Introduction -- Historical Overview- The United States and Astronomy Nota di contenuto Until the 1860S -- Scientific Overview -- Popular Astronomy and the Solar Eclipses of 1868, 1869 and 1878 -- Popular Astronomy and the Transits of Venus of 1874 and 1882 -- Discussion -- Concluding Remarks -- References. Grabbing the attention of poets, politicians and the general public Sommario/riassunto alike, a series of spectacular astronomical events in the late 1800s galvanized Americans to take a greater interest in astronomy than ever before. At a time when the sciences were not yet as well established in the United States as they were in Europe, this public interest and support provided the growing scientific community in the United States

with the platform they needed to advance the field of astronomy in the

United States. Earlier in the 19th century comets, meteors and the discovery of the planet Neptune were all sources of inspiration to the general public. The specific events to be considered here are the total solar eclipses of 1868, 1869 and 1878 and the transits of Venus of 1874 and 1882. The available media responded to public interest as well as generating more interest. These events laid the groundwork that led to today's thriving network of American amateur astronomers, and provide a fascinating look at earlier conceptions of the stars.