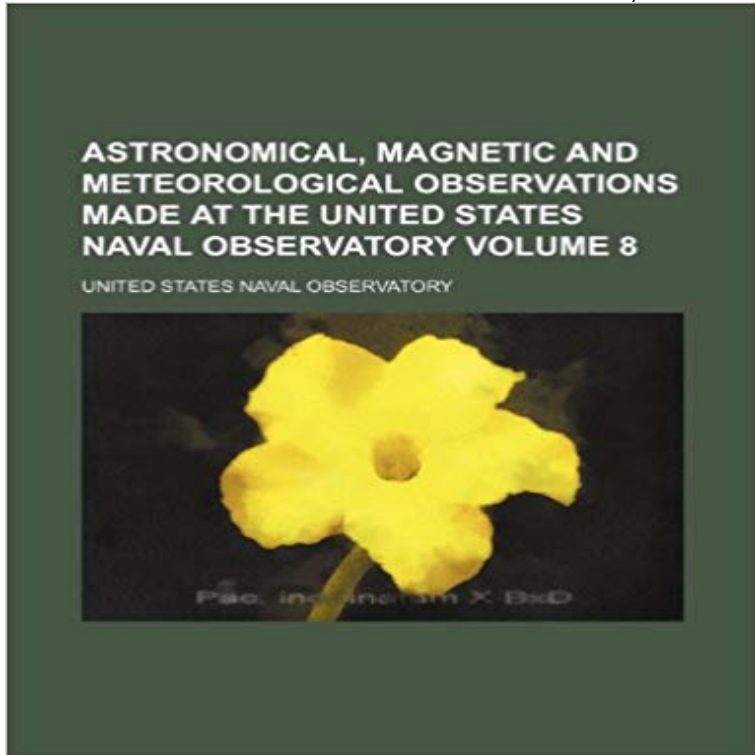


Astronomical, magnetic and meteorological observations made at the United States Naval Observatory Volume 8



This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1851 Excerpt: ... chances, the track which will give the shortest average passage under canvass from port to port for any month. This I have done for the route generally, between Europe and America; jpd from the ports of the United States, as far South as the parallel of Rio de Janeiro. These routes have been calculated for each month and issued in a book of Sailing Directions to Navigators. In the European voyages I have found not much room for improvement as to routes, except to those who are just entering that trade; to them these charts give all the information as to winds, currents, and routes that is possessed by the oldest and most experienced Packet Captains. When navigators generally come to follow these new routes, the average sailing passage between Europe and America will, it is believed, from what has already been done, be somewhat shortened. But the new routes which these charts have suggested to the equator, and which lead through parts of the ocean in which the winds and currents were not so well understood as they are along the tracks to Europe, have been attended with more decided advantage, and with signal success. The route of all vessels bound into the Southern hemisphere, whether their destination be the markets of South America, of the Pacific or Indian ocean, is the same as far as the equator: and these charts have actually shortened the average passage hence to the equator, from two days to two weeks according to the season of the year; this is shown by the results of actual trial. More than a hundred passages have been made by these charts, and according to the routes prescribed. The average length of passage by the old route from the ports of the United States to the

line, is forty-one days. The average passage by the new...

[\[PDF\] How To Change Your Life: Making a Personal Transformation \(How to change your life, changing your life, personal transformation, transformation\)](#)

[\[PDF\] Ordeal by battle](#)

[\[PDF\] A genealogical memoir of the Chase family of Chesham, Bucks, in England: and of Hampton and Newbury in New England, with notices of some of their descendants](#)

[\[PDF\] Analisis sensorial de los alimentos \(Spanish Edition\)](#)

[\[PDF\] Commentaries On The Life And Reign Of Charles The First, King Of England, Volume 1...](#)

[\[PDF\] Amazing Treasures of What Faith Can Do](#)

[\[PDF\] Geoffrey of Monmouth, 1640-1800](#)

Astronomical, Magnetic and Meteorological Observations Made at Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8.

Astronomical, Magnetic and Meteorological Observations Made at Astronomical, Magnetic and Meteorological Observations Made at the United . Publications of the United States Naval Observatory: Volume 8. **Astronomical, Magnetic and Meteorological Observations Made at** Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8.

Astronomical, Magnetic and Meteorological Observations Made at Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8. **Astronomical, Magnetic and Meteorological Observations Made at** Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8.

Astronomical, Magnetic and Meteorological Observations Made at Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8. **Astronomical, Magnetic and Meteorological Observations Made at** Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8.

Astronomical, Magnetic and Meteorological Observations Made at Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8. **Astronomical, Magnetic and Meteorological Observations Made at** Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8.

Astronomical, Magnetic and Meteorological Observations Made at Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8. **Astronomical, Magnetic and Meteorological Observations Made at** Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8.

Astronomical, Magnetic and Meteorological Observations Made at Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8. **Astronomical, Magnetic and Meteorological Observations Made at** Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8. **Astronomical, Magnetic and Meteorological Observations Made at** Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8.

Astronomical, Magnetic and Meteorological Observations Made at Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8. **Astronomical, Magnetic and Meteorological Observations Made at** Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8. **Astronomical, Magnetic and Meteorological Observations Made at** Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8.

Astronomical, Magnetic and Meteorological Observations Made at Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8. **Astronomical, Magnetic and Meteorological Observations Made at** Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8. **Astronomical, Magnetic and Meteorological Observations Made at** Astronomical, Magnetic and Meteorological Observations Made at the United States Naval . Publications of the United States Naval Observatory: Volume 8.

