

Solar astronomy library

Written by Administrator

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Here are over 625 electronic copies of full texts of books, observations and substantive papers about solar astronomy, the Sun and astronomy in general dating back to the start of modern astronomy at the beginning of the sixteenth century. These are now available to view in on online archives [in a small number of cases you may need to open an account with the online library - this is free] and so I have included the link.

The ones proceeded by a * I do not possess as over the years I have collected about 600 books on Astronomy, the Universe and related topics some dating back to the 1830's. Within these are about 40 books dedicated to either the Sun, Solar Physics or Solar Astronomy.

Below is a list of the books/publications that I have compiled thus far that includes the name of the author, [Publisher and date of publication]. I have not written a formal review on each book.!

It is interesting to follow the journey right from the very start of scientific understanding and see how our knowledge has progressed over the years through ever improving observational and photographic techniques and latterly space based assets.

As a [published author](#) myself, I know just how much work goes into the research and then writing a book and the end rewards are \square minuscule \square when compared to the effort made, as such, writers mainly do it for the love of their subject and with science books quickly going out of date - [support the author and buy the book!](#)

If you are aware of any significant publications that I may have missed please feel free to [contact me](#) so that I can include them in this list at a future revision date.

ASTRONOMY/SOLAR ASTRONOMY BOOKS & ELECTRONIC TEXTS FOUND/BOOKS COLLECTED THUS FAR IN DATE PUBLISHED ORDER: –

- * [FIRST SUNSPOT DRAWING](#) - John Worcester [1182]

- * [THE SPHERE OF SACROBOSCO](#) - Johannes De Sacrobosco [early thirteenth century and translated 1949] [Image from front cover](#)

- * THE LETTER OF PETRUS PEREGRINUS ON THE [MAGNET](#) - Petrus Peregrinus [1269] [translated](#) [1904]

- * [ALMAGESTUM CL PTOLOMEI](#) - Claudius Ptolemeus, later Peter Liechenstein [1515]

- * [SUN CENTERED SOLAR SYSTEM](#) - Nicolaus Copernicus 1543 and the full book [De revolutionibus orbium coelestium](#)

- * [MUNDI AETHERIALI](#) - Tycho Brahe [1577]

- * ASTRONOMIAE INSTAURATAE PROGYMNASATA - Tycho Brahe [1588] and [later edition](#) [1610]

- * [DE MAGNETE](#) - William Gilbert [1600] - [a full copy](#) and an [English translation](#)

- * [EPISTOLARIUM ASTRONOMICIUM](#) - Tycho Brahe [1601]

- * [ASTRONOMIAE INSTAURATAE MECHANICA](#) - Tycho Brahe [1602]

- * [ASTRONOMIA PARS OPTICA](#) - Joannes Kepler - and [copy of full book](#) [1604] [Many more Kepler works](#)

- * [...DE SOLIS DE ...](#) - Joannes Kepler [1605]

- * [PATENT APPLICATION \[TELESCOPE\]](#) - Hans Lipperhay [25 September 1608]

- * [ASTRONOMIA NOVA](#) - Joannes Kepler [1609] [English partial copy](#) [2001]

- * [TREPIEDETTO \[SMALL TRIPOD\]](#) - Ludovicio Cigoli [1610]

- * [FIRST TELESCOPE SUNSPOT DRAWING](#) - Thomas Harriot [December 1610], [another](#) ,
[another](#)
and
[another](#)

- * [DE MACULIS IN SOLE OBSERVATIS](#) - Johannes Fabricius [June 1611]

- * [SUNSPOT DRAWING](#) - Thomas Harriot [December 1611]

- * [SUNSPOT DRAWINGS](#) - Christopher Scheiner [1611]

- * [TRES EPISTOLAE](#) - Christopher Scheiner [1612]

- * [DE MACULIS SOLARIBUS](#) - Christopher Scheiner [1612]

- * [SUNSPOT DRAWING](#) - Thomas Harriot [August 1612]

- * [THE GALILEO PROJECT](#) - online publication of his drawings from [1612] and [full inventory of the Museo Galileo library](#)

- * [ON SUNSPOTS OBSERVED IN ROME](#) - Galileo Galilei [1613] [More Galileo works](#)

- * [COPY OF ISTORIA E DIMOSTRAZIONI INTORNO ALLE MACCHIE SOLARI](#) - Galileo and Scheiner's letters [1613]

- * [SLOW MOTION SOLAR ROTATION USING GALILEIO'S DRAWINGS](#) [June, July 1613]

- * [PROSPETTIVA PRATICA](#) - Ludovico Cigola [1613] I am still trying to find a full scanned copy?

- * [SOL ELLIPTICUS](#) - Christopher Scheiner 1615

- * [SUNSPOT DRAWINGS](#) - Petrus Saxonius [1616]

- * [HARMONICS MUNDI](#) - Johannes Kepler [1619]

- * SUNSPOT DRAWINGS - [18 April to 1 May](#) , [11 May to 23 May](#) , [October to 14 November](#)
Scheiner [1625] Christopher

- * [SUNSPOT DRAWING](#) - Christopher Scheiner [1626]

- * [RUDOLPHIN TABLES](#) - Johann Kepler - [1627]

- * [TACHES SOLARES](#) - Jean Tarde [1628]

- * [ROSA URSINA](#) - Christopher Scheiner [1630]

- * [DE DIAMETRO SOLIS](#) - Johannes Kepler [1630]

- * [SUNSPOT DRAWING](#) - Marcgraft [June 9 to June 12, 1637] and [three of his drawings in this article](#)

- * [SUNSPOT OBSERVERS](#) [1636 to 1642]

- * [FIRST RECORD OF TRANSIT OF VENUS](#) - Jeremy Horrocks [1639] [His notes](#) , [page 2](#) .

[A modern paper about this](#)
[2004] see 1662 J Hevelius publication.

- * [LETTER FROM MR CRABTREE TO MR GASCOIGNE CONCERNING SUNSPOTS](#) [Page 288 - 1640]

- * [SOLAR ECLIPSE](#) - Piso [1640]

- * [SUNSPOT DRAWING](#) - Hevelius May, [another](#) , [August September October](#) [1644]

- * [PRINCIPIA PHILOSOPHIAE](#) - Renati Descartes [1644]

- * [PRODROMVS PRO SOLE](#) - Christopher Scheiner [1651]

- * [SOLAR ECLIPSE](#) - Johannes Hevelius [1652]

- * [OPERA OMNIA](#) - Pierre Gassendi [1658]

- * [THREE UNPUBLISHED LETTERS](#) - Boulliau, Mercator re Horrocks [1659 and 1660]
[1983 paper]

- * [VENUS IN SOLE VISTA](#) - J Hevelius [1662 full book] concerning Horrocks [1639]

- * [THE NEWTON PROJECT](#) - online publication of his notebooks and letters [from 1659
to 1727]

- * [PHILOSOPHICAL TRANSACTIONS](#) [1665 to 1886] full scanned copies

- * [LE JOURNAL DES SCAVANS](#) [1665 to 1984] full scanned copies

- * [PHILOSOPHICAL TRANSACTIONS](#) [1665 Aperture v telescope length The Royal
Society]

- * [PHILOSOPHICAL TRANSACTIONS](#) [1666 Solar Eclipse The Royal Society]

- * [PHILOSOPHICAL TRANSACTIONS](#) [1666 Distance to the Sun by Parallax The Royal Society]

- * [ISAAC NEWTONS OWN DRAWING OF HIS TELESCOPE](#) - 1671 [?]

- * [PHILOSOPHICAL TRANSACTIONS](#) [1671 Observations of sunspots from Paris The Royal Society]

- * [PHILOSOPHICAL TRANSACTIONS](#) [1671 Mr Hooks Observations The Royal Society]

- * [PHILOSOPHICAL TRANSACTIONS](#) [1671 The Royal Society]

- * [PHILOSOPHICAL TRANSACTIONS](#) [1671 The Royal Society]

- * [PHILOSOPHICAL TRANSACTIONS](#) - NEW THEORY ABOUT LIGHT AND COLOURS - Isaac Newton - 1671] Page 3075

- * [SUNSPOT DRAWING](#) - Bion [1672]

- * [PHILOSOPHICAL TRANSACTIONS](#) [1676 Solar Eclipse [Flamsteed Letter](#) The Royal Society]

- * [SOLAR ASTRONOMY TECHNIQUE](#) and [another](#) - Hevelius [1673]

- * [PHILOSOPHICAL TRANSACTIONS](#) [1676 Flamsteed and Haley letter The Royal Society]

- * [CASSINI LETTER CONCERNING SPOTS SEEN ON THE SUN](#) - [1676]

- * [TRANSIT OF VENUS](#) - E Halley [1679]

- * [OBSERVATIONS MADE OF AN ECLIPSE OF THE SUN 1684](#) - Mr Cassini, Hire & Pothernot [1684]

- * [PHILOSOPHIAE NATURALIS PRINCIPIA MATHEMATICA](#) - Isaac Newton [1687] [More of Newtons work](#)

- * [DELICAE ASTRONOMAE](#) - Hans Jacob Fasi [1697]

- * [OBSERVATIONS MADE OF THE ECLIPSE OF THE SUN](#) - J P Worzelbaur [1699]

- * [SUNSPOT DRAWING](#) - Cassini [1701]

- * [LETTERS CONCERNING SPOTS UPON THE SUN](#) - Stephen Gray [1703]

- * [PART 2 LETTERS CONCERNING SPOTS UPON THE SUN](#) - Stephen Gray [1703]

- * [OPTICKS](#) - Isaac Newton [1704] and his papers from 1672 to 1706

- * [OBSERVATIONS MADE UPON SPOTS ON THE BODY OF THE SUN](#) - Captain Stannyan [1704]

- * [OBSERVATIONS OF THE SUNS ECLIPSE](#) - J C Facio [1706]

- * [OBSERVATIONS OF A SUN ECLIPSE AT GREENWICH](#) - John Flamsted [1706]

- * [OBSERVATIONS UPON THE SPOTS THAT HAVE BEEN UPON THE SUN](#) - Rev William Darnham [1703 -1711]

- * [PHILOSOPHIAE NATURALIS PRINCIPIA MATHEMATICA](#) - Second edition - Isaac Newton [1713]

- * [JOURNAL DES OBSERVATIONS PHYSIQUES, MATHÉMATIQUES ET BOTANIQUES](#) - Louis Feuillée [Page 323, sunspot drawings 1714]

- * [OBSERVATIONS OF THE LATE TOTAL ECLIPSE OF THE SUN ON THE 22 APRIL](#) - Dr Edmund Halley [1714]

- * [AN ACCOUNT OF TWO LATE NORTHERN AURORA'S](#) - Rev Edmund Barnell [1717]

- * [AN ACCOUNT OF AN AURORA BOREALIS SEEN AT LONDON](#) - Martin Folkes [1718]

- * [GNOMONICA MECHANICA UNIVERSALIS](#) - Johann Gaupp [1720]

- * [AN ECLIPSE OF THE SUN NOVEMBER 1722](#) - Thomas Robie [1722]

- * [AN ACCOUNT OF THE APPEARANCE OF MERCURY PASSING OVER THE FACE OF THE SUN](#) - Edmund Halley [1723]

- * [AN ACCOUNT OF FOUR MOCK SUNS SEEN AT KENSINGTON](#) - George Whiston [1726]

- * [OBSERVATO ECLIPSIS SOLIS](#) - Jacumbo De Castro Sarmento [1730]

- * [AN ACCOUNT OF AN AURORA BOREALIS SEEN IN NEW ENGLAND](#) - Isaac Greenwood [1730]

- * [AN OBSERVATION OF THE ECLIPSE OF THE SUN](#) - George Graham [1733]

- * [AN ACCOUNT OF AN ECLIPSE OF THE SUN](#) - Stephen Gray [1733]

- * [OBSERVATIONS OF THE TRANSIT OF MERCURY OVER THE SUN](#) - G Graham [1736]

- * [OBSERVATIONS OF THE ECLIPSE OF THE SUN](#) - G Graham [1738]

- * [A LETTER CONCERNING THE TRANSIT OF MERCURY .. 21 APRIL 1740](#) - John Winthrop [1743]

- * [A SYNOPSIS OF THE CALCULATION FOR THE TRANSIT OF MERCURY ACROSS THE DISC OF THE SUN 25 OCTOBER 1743](#) - John Catlyn [1743]

- * [AN ACCOUNT OF THE TRANSIT OF MERCURY ..25 OCTOBER 1743](#) - George Graham [1743]

- * [AN ECLIPSE OF THE SUN 14 JULY 1748](#) - James Earl [1748]

- * [SUNSPOT DRAWINGS](#) - Staudacher [1749] and [a write up](#)

- * [OBSERVATIONS OF THE ECLIPSE OF THE SUN](#) - C Maire [1750] and [another](#) - M. Grichow [1750]

- * [OBSERVATIONS OF THE LATE SOLAR ECLIPSE OF THE SUN](#) - Dr E HALLEY [1753]

- * [OBSERVATIONS OF SPOTS UPON THE SUN](#) - W Dernham [1753]

- * [OBSERVATIONS OF SPOTS UPON THE SUN PARIS](#) - [1753]

- * [OBSERVATIONS OF THE TRANSIT OF MERCURY OVER THE SUN](#) - J Short [1753]

- * [OBSERVATIONS OF THE TRANSIT OF VENUS](#) - J Short [1761] and [the account](#) of J Earl

- * [ELEMENTA ASTRONOMIAE SPHAERICA](#) - Christiano Horrebow - [1762]

- * [AN ACCOUNT OF THE SUNS DISTANCE FROM THE EARTH](#) - J Short [1763]

- * [AN ACCOUNT OF THE SUNS DISTANCE FROM THE EARTH DETERMINED FROM THE LATE VENUS TRANSIT](#) - J Short [1763]

- * [A DELINIATION OF THE TRANSIT OF VENUS 1769](#) - James Ferguson [1763]

- * [DIFFERENCE IN LONGITUDE BETWEEN PARIS AND GREENWICH OBSERVATORIES FROM TRANSITS OF MERCURY](#) - J Short [1763]

- * [OBSERVATIONS OF THE ECLIPSE OF THE SUN 1764](#) - S Dunn [1764]

- * [ASTRONOMISCHE UND GEOGRAFISCHEDE ... SONNENFINSTERIG](#) - [1764]

- * [OBSERVATIONS OF AN ECLIPSE OF THE SUN](#) - M Messier [1766]

- * [OBSERVATIONS OF THE ECLIPSE OF THE SUN 1765](#) - J Bevis [1767]

- * [OBSERVATIONS OF THE TRANSIT OF VENUS 1769](#) - Rev Mr Ludlum [1769]

- * [ON THE LATE TRANSIT OF VENUS](#) - J Bevis [1770] and [those](#) by John Bevis

- * [OBSERVATIONS ON SUN SPOTS](#) - Alexander Wilson [RSA 1773]

- * [OBSERVATIONS ON THE SOLAR SPOTS](#) - Alexandra Wilson [1774]

- * [OBJECTIONS THAT SOLAR SPOTS ARE EXCAVATIONS ON THE SUN](#) - M.DE LA Lande [1776] Dr. Wilson [1782 response]

- * [NEUE MATHMASUNGEN UBER DIE SONNENFLECKEN](#) - JOHANN ERNST BISEL [1776]

- * [OBSERVATIONS OF AN ANNULAR ECLIPSE](#) - D A Ulloa [1778]

- * [OBSERVATIONS OF THE GRADUATIONS OF ASTRONOMICAL EQUIPMENT](#) - Henry Cavendish - [1785]

- * [OBSERVATIONS MADE OF AN ECLIPSE OF THE SUN 1788](#) - Rev J Piazzi [1789]

- * [BEOBACHTUNGEN UBER DIE SONNENFACKELN UND SONNENFLECKEN](#) - Jonann Hieronymus Schroter [1789]

- * [ILLUSTRATIONS DE BEOBACHTUNGEN DIE SONNENFLECKEN](#) - Jonann Hieronymus Schroter [1789]

- * [ON THE NATURE AND CONSTRUCTION OF THE SUN AND FIXED STARS](#) - W Herschel [1794]

- * [PARTICULARS OBSERVED DURING A LATE ECLIPSE OF THE SUN](#) - W Herschel [1794]

- * [SUNSPOT DRAWING](#) - Staudacher in Nurnburg [31 January 1796]

- * [ANNALEN DER PHYSIK](#) - All issues [1799 to present]

- * [METHOD OF FINDING THE LATITUDE OF A PLACE USING THE SUN](#) - Rev W Lax [1799]

- * [OBSERVATIONS IN VARYING EMISSIONS OF LIGHT AND HEAT FROM THE SUN](#) - W Herschel [1800]

- * [OBSERVATIONS ON THE REFRACTABILITY OF THE INVISIBLE RAYS OF THE SUN](#) - W Herschel [1800]

- * [THE NATURE OF THE SUN](#) - W Herschel [1801]

- * [EXPERIMENTS ON THE EFFECTS OF LIGHT](#) - J W RITTER [Page 214 Journal of Natural Philosophy 1802]

- * [OBSERVATIONS OF THE TRANSIT OF MERCURY OVER THE DISC OF THE SUN](#) - W Herschel [1803]

- * [JOURNAL OF NATURAL PHILOSOPHY, CHEMISTRY AND THE ARTS](#) - W M Wallaston on Chemical effects of light [Page 293 published 1804] -
[Other volumes](#)

- * [ON THE QUANTITY AND VELOCITY OF THE SOLAR MOTION](#) - W Herschel [1806]

- * [ASTRONOMY EXPLAINED IN THE PRINCIPALS OF ISAAC NEWTON](#) - J Ferguson [1809]

* [JOURNAL FUR CHEMIE UND PHYSIK VOLUME 1](#) - Various essays by J. W Ritter [1811] and access to [all volumes \[1811 to 1833\]](#)

* [BESTIMMUNG DES BRECHUNGS UND FARBENZERSTREUUNGSVERMOGENS VERSCHIEDENER GLASARTEN IN BEZUG AUF DIE VERVOLLKOMMUNG ACHROMATISCHER FERNROHRE](#) - Joseph Von Fraunhofer [1817]

* [WISSENSCHAFTEN ZU MUNCHEN](#) - Joseph Von Fraunhofer [1817]

* [Various](#) [1818]

* [BEOBACHTUNGEN UBER SONNENFLECKEN](#) - Dr. Raschig [1819]

* [THE AMERICAN JOURNAL OF SCIENCE AND ARTS](#) [1818] Volume 1.

* [ON THE DISCORD BETWEEN THE SUNS OBSERVED AND COMPUTED RIGHT ASCENSIONS](#) - J South [1826]

* [UBER DIE SONNENFLECKEN](#) - Copocci [1826]

* [ALL THE WORKS OF PIERRE SIMON DE LAPLACE](#) [to 1827]

* [UBER DIE SONNENFLECKEN](#) - Carpocci [1827]

* [SONNENFLECKEN](#) - V Pastorff [1828]

* [ON A METHOD OF COMPARING THE LIGHT FROM THE SUN WITH THAT OF THE FIXED STARS](#) - William Hyde Wallaston [1829]

* [ON THE MANUFACTURE OF GLASS FOR OPTICAL PURPOSES](#) - Michael Faraday [1829]

* [SUN SPOT OBSERVATIONS BY SAMUEL HEINRICH SCHWABE BETWEEN 1825 - 1867](#)

* [... Sextant ..](#) - [1830]

* [ANNALES DE CHEMIE ET DE PHYSIQUE 1830 to 1913](#)

* [ON THE TRANSIT OF MERCURY 1832](#) - Dr. G Moll [Memoirs of the RAS page 111 from 1833]

* [LARGE SUNSPOT IN JULY 1836](#) - W Struve [Page 56 Astronomische Nachrichten 1836]

* [UBER DIE FLECKEN DER SONNE](#) - Samuel Heinrich Schwabe [Page 244 Astronomische Nachrichten 1837]

* [SONNEN BEOBACHTUNGEN IM JAHRE 1838](#) - Samuel Heinrich Schwabe [Page 185 Astronomische Nachrichten 1838]

- * [ACCOUNT CONCERNING THE FIRST DAGUERREOTYPE ART](#) - M Argo [1839]

- * [REPORT ON A GEOMETRICAL MEASUREMENT OF THE HEIGHT OF THE AURORA BOREALIS ABOVE THE EARTH](#) - Rev James Farquharson [1839]

- * [BEOBACHTUNGEN VON SONNENFLECKEN IM JAHRE 1839](#) - Samuel Heinrich Schwabe [1840] and [another](#)

- * [BEOBACHTUNGEN VON SONNENFLECKEN](#) - A. C. Petersen [1841] and [another](#)

- * [BEOBACHTUNGEN VON SONNENFLECKEN IM JAHRE 1840](#) - Samuel Heinrich Schwabe [Page 150 *Astronomische Nachrichten* 1841]

- * [ON THE CHEMICAL ACTION OF RAYS OF THE SOLAR SPECTRUM ON PREPARATIONS OF SILVER AND OTHER SUBSTANCES](#) - John Herschel [1840]

- * [SCHREIBEN DES HERM HOFRATHS](#) - Samuel Heinrich Schwabe [Page 66 *Astronomische Nachrichten* 1840]

- * [UEBER DIE SONNENFLECKEN IM JAHRE 1841](#) - Samuel Heinrich Schwabe [Page 444 *Astronomische Nachrichten* 1841] and [another](#)

- * [ON THE ACTION OF THE RAYS OF THE SOLAR SPECTRUM ON ... SOME NEW PHOTOGRAPHIC PROCESSES](#) - John Herschel [1842]

- * [DIE SONNENFINSTERNIS AM 8 JULI 1842](#) - J. W. H. Lemann [1842]

* [ON THE TRANSPARENCY OF THE ATMOSPHERE AND THE LAW OF EXTINCTION OF THE SUN'S RAYS PASSING THROUGH IT](#) - James D. Forbes [1842]

* [DIE SONNE](#) - Samuel Heinrich Schwabe [1843]

* [OBSERVATIONS ON DAYS OF UNUSUAL MAGNETIC DISTURBANCES](#) - Edward Sabine [Longman, Brown, Green and Longmans 1843]

* [SONNEN BEOBACHTUNGEN IM JAHRE 1843](#) - Samuel Heinrich Schwabe [Page 253 Astronomisch Nachrichten 1843]

* [THE PROGRESS AND PRESENT STATE OF THE DAGUERREOTYPE ART](#) - M Claudet [1843]

* [ON CERTAIN IMPROVEMENTS IN PHOTOGRAPHIC PROCESSES](#) - John Herschel [1843]

* [FIRST PHOTOGRAPH OF THE SUN](#) [2 April 1845 Fizeau & Foucault] [1845]

* [SONNENFLECKEN IM JAHRE 1844](#) - Samuel Heinrich Schwabe [1845]

* [DIE SONNE UND IHRE FLECKEN](#) - Lorenz Woekel [Nurnberg 1846]

* [SONNENFLECKEN IM JAHRE 1845](#) - Samuel Heinrich Schwabbe [Page 185 Astronomische Nachrichten 1846]

* [SONNEN BEOBACHTUNGEN IM JAHR 1846](#) - Samuel Heinrich Schwabe [Page 294
Astronomische Nachrichten 1847]

* [SONNEN IM JAHRE 1848](#) J. F. J Schmidt [1849]

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