| | Date | Imager | Object | Object Type | Constellation | Notes |
|-----|------|------------------------------|----------------|-------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 1840 | John William Draper | Moon Full. | Moon | Zodiacal | On the 23rd of March 1840, after a number of unsuccessful attempts, the New York Professor of Chemistry, John William Draper (1811-1882) reported, at a meeting of the New York Lyceum of Natural History, later to become the New York Academy of Sciences, that he had been successful in utilizing a 6-inch (13cm) Reflector Telescope and a small Daguerreotype camera to photograph the Moon's surface on one inch diameter plates with a twenty minute exposure. This was the first successful photograph ever taken of an astronomical object. |
| | 1845 | Jean Bernhard Foucault | Sun. | Sun | Zodiacal | According to Francois Arago, a number of <i>'large scale'</i> Daguerreotypes of the Sun were obtained by Armand Hippolyte Louis Fizeau (1819-1896) and Jean Bernard Léon Foucault (1819-1868) at the Paris Observatory. One of these photographs, taken on the 2nd of April 1845, still survives. This is the earliest surviving <i>'large scale'</i> photograph ever taken of the Sun showing its spots as well. An earlier 'coin' sized photograph of the Sun by Fizeau and Foucault exists. |
| 0 | 1851 | M. Berkowski | Sun. | Sun | Zodiacal | A Daguerreotype photograph of a total eclipse of the Sun which took place on the 28th of July 1851 Konigsberg, Prussia (now Kaliningrad, Russia) was obtained by a Mr. Berkowski, recording the inner corona and several prominences. This is the first successful photograph ever taken of a Total Eclipse of the Sun. |
| | 1852 | John Adams Whipple | First Quarter. | Moon | Zodiacal | One of the earliest photographs of the Moon, taken by John Adams Whipple on the 26th February 1852 using the 15" 'Great Harvard Refractor'. |
| • • | 1857 | George Phillips Bond | ZetUMa. | Star. | Ursa Major | In 1857 George Philips Bond (1825-1865) and the Boston photographer , John Adams Whipple (1824-1891) and his partner, James Wallace Black (1825-1896), produced wet collodion photographs of the double star Mizar (zeta Ursa Majoris) and its fourth magnitude companion Alcor (80 Ursa Majoris) using the 15-inch (38 cm) 'Great Harvard' Refractor. |
| | 1865 | Lewis Morris Rutherfurd | First Quarter. | Moon | Zodiacal | In 1865 Lewis Morris Rutherfurd obtains excellent images of the Moon using a specially corrected photographic 11.25-inch (290mm) lens; which were for many years the best ever taken, until the work of Pickering, Loewy and Puiseux. |

| | 1865 | Lewis Morris Rutherfurd | Moon Full. | Moon | Zodiacal | Another of Lewis Morris Rutherfurd's Lunar images taken from his Observatory in the centre of New York in 1865. |
|-----|------|----------------------------------|-----------------------|---------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 1877 | Pierre Jules Cesar Janssen | Solar Photosphere. | Sun | Zodiacal | In 1877 Jules Janssen obtains a number of solar photographs which shows the granulation of the solar photosphere) for the first time. However on the 11th of August 1871, Lewis Morris Rutherfurd obtains a photograph of the Sun which purports to show the granulation on its surface. He sends a copy of this photograph to the Royal Astronomical Society in a letter dated the 10th of May 1878, the year after Janssen's photographs of the solar granulation. |
| | 1877 | Pierre Jules Cesar Janssen | Solar Photosphere. | Sun | Zodiacal | In 1876 Janssen presents his first solar photographs to the French Academy of Sciences (10 to 70 cm diameter). These wet collodion images were obtained using a 140 mm refractor with exposures from 1/500 to 1/6000 of a second. |
| er. | 1880 | Henry Draper | M42 NGC1976 | Nebulae | Orion | On the 30th of September 1880 the New York Doctor, Henry Draper (1837- 1882), the son of John William Draper, photographed the 'Great Orion' nebula (M42) using his 11-inch Alvan Clark Refractor with an exposure of 51 minutes, from his Observatory at Hastings-on-Hudson, New York. This was the very first photograph ever taken of a Deep Space Object (DSO). In March 1881 he took an even better photograph of M42 with an exposure of 104 minutes, and a year later in March 1882 he produced a third photograph, extending the exposure of M42 to 137 minutes. |
| 1 | 1881 | Pierre Jules Cesar Janssen | Comet. | Planets | Zodiacal | It used to be thought that Jules Janssen (1824-1907) was the first person to obtain a successful image of a comet, when he photographed the comet Tebbutt 1881 III, the 1st of July 1881. Janssen used a dry plate and an exposure of 30 minutes with a 50 cm f/3 instrument. However it is now known that this honour goes to William Usherwood who imaged Donati's Comet on the 27 September 1858. |
| | 1882 | David Gill | Comet. | Planets | Zodiacal | One of an excellent series of Photographs of Comet 1882 II at the Cape Observatory, South Africa during the October and November of 1882, using a portrait lensof 2 ½ -inch aperture. |
| × | 1883 | Andrew Ainslie Common | M42 NGC1976 | Nebulae | Orion | 37 minute exposure taken on the 30th January 1883. |

| 000 | 1886 | Henry Brothers | Jupiter. | Planets | Zodiacal | In the years 1885-86 the French astronomer brothers, Paul Henry (1848- 1905) and Prosper Henry (1849-1903) took a series of photographs of the planets, when they imaged Jupiter and Saturn. These photographs were the first successful images ever taken of a planet. Prior to this time others had tried including contemporary pioneers like Warren de La Rue, but failed; his images of 1857 were only ½ mm across, and were therefore barely visible!12.8" Photographic Refractor, Meudon, Paris |
|--------|------|-------------------------------------------|------------------|---------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 999 | 1886 | Henry Brothers | Saturn. | Planets | Zodiacal | 12.8" Photographic Refractor, Meudon, Paris |
| | 1888 | Williamina Paton Stevens Fleming | B33 Horsehead | Nebulae | Orion | In 1888 Williamina Paton Stevens Fleming was to make a discovery which Astrophotographers all around the world will thank her for (and curse her just as much!). The dark nebula Barnard 33 was first noticed that year by her on photographic plate No. B2312; taken at the Harvard College Observatory by William Henry Pickering. It was afterwards to become universally known as the 'Horsehead' Nebula. Plate 2312 was taken with 90 minute exposure using the Harvard Observatory's 8-inch Bache Telescope. The plate covered an area of sky about 10 degrees square, of which the inner 7 degrees provides good definition. This was the first ever photograph taken of the most iconic all astronomical objects – the famous 'Horsehead' Nebula in Orion. 90 minute exposure taken by William Henry Pickering, using the 8-inch Bache Astrograph then at Harvard but later transferred to Arequipa, Peru. It has a focal length of 44-inches. |
| See. 1 | 1890 | Henry Brothers | Theophilus. | Moon | Zodiacal | 24" (60cm) Equatorial Coude Refractor, Meudon, Paris |
| | 1891 | Isaac Roberts | M2 NGC7089 | Globular Cluster | Aquarius | 30th October 1891; 88 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1892 | Edward Emerson Barnard | Aquila. | Constellation | Aquila | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |

| 1892 | Edward Emerson Barnard | Auriga. | Constellation | Auriga | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
|------|------------------------------|----------------------------|---------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 1892 | Edward Emerson Barnard | NGC7000 C20/ H V-37. | Nebulae | Cygnus | North American Nebula. Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| 1892 | Edward Emerson Barnard | NGC6960 C34. | Supernova | Cygnus | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| 1892 | Edward Emerson Barnard | Mel25 C41. | Open Cluster | Taurus. | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| 1892 | Edward Emerson Barnard | Cassiopeia. | Constellation | Cassiopeia | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| 1892 | Edward Emerson Barnard | Cepheus. | Constellation | Cepheus | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |

| 1892 | Edward Emerson Barnard | Cetus. | Constellation | Cetus | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
|------|------------------------------|-----------|---------------|----------|---------------------------------------------------------------------------------------------------------------------|
| 1892 | Edward Emerson Barnard | Comet. | Planets | Zodiacal | Comet Holmes; 8th December 1892; Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| 1892 | Edward Emerson Barnard | Comet. | Planets | Zodiacal | Comet Swift; 4th April 1892, Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| 1892 | Edward Emerson Barnard | Cygnus. | Constellation | Cygnus | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| 1892 | Edward Emerson Barnard | Eridanus. | Constellation | Eridanus | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| 1892 | Edward Emerson Barnard | Gemini. | Constellation | Gemini | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |

| 1892 | Edward Emerson Barnard | Rho Ophiuchii. | Star Field | Ophiuchus | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
|----------|------------------------------|----------------|---------------|-------------|---------------------------------------------------------------------------------------------------------------------|
| 1892 | Edward Emerson Barnard | Lyra. | Constellation | Lyra | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| 1892 | Edward Emerson Barnard | M11 NGC6705 | Open Cluster | Scutum | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| 1892 | Edward Emerson Barnard | M24 NGC6603 | Star Field | Sagittarius | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| 1892 | Edward Emerson Barnard | M31 NGC224 | Galaxy. | Andromeda | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| 1892 | Edward Emerson Barnard | M35 NGC2168 | Open Cluster | Gemini | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |

| • | 1892 | Edward Emerson Barnard | M41 NGC2287 | Open Cluster | Canis Major | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
|-----|------|------------------------------|----------------|---------------|-------------|---------------------------------------------------------------------------------------------------------------------|
| 4.1 | 1892 | Edward Emerson Barnard | M42 NGC1976 | Nebulae | Orion | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| | 1892 | Edward Emerson Barnard | M45 NGC1432 | Open Cluster | Taurus. | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| | 1892 | Edward Emerson Barnard | M8 NGC6523 | Nebulae | Sagittarius | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| | 1892 | Edward Emerson Barnard | Monoceros | Constellation | Monoceros | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| | 1892 | Edward Emerson Barnard | Ophiuchus. | Constellation | Ophiuchus | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |

| * | 1892 | Edward Emerson Barnard | Orion. | Constellation | Orion | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
|---|------|------------------------------|------------|---------------|-----------|---------------------------------------------------------------------------------------------------------------------|
| | 1892 | Edward Emerson Barnard | Perseus. | Constellation | Perseus | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| | 1892 | Edward Emerson Barnard | Sagitta. | Constellation | Sagitta | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| | 1892 | Edward Emerson Barnard | Scorpius. | Constellation | Scorpius | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| | 1892 | Edward Emerson Barnard | Taurus. | Constellation | Taurus. | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
| | 1892 | Edward Emerson Barnard | Vulpecula. | Constellation | Vulpecula | Exact Date Unknown sometime between 1892-95; 6" Crocker Telescope, Lick Observatory, Mount Hamilton, California. |

| 1893 | Edward Emerson Barnard | Comet. | Planets | Zodiacal | Comet Brooks; 18th October 1893, Crocker Telescope, Lick Observatory, Mount Hamilton, California. |
|----------|------------------------------|-----------------------------|--------------|----------------|------------------------------------------------------------------------------------------------------|
| 1893 | Isaac Roberts | NGC654 H VII-46. | Open Cluster | Cassiopeia | 15th January 1893; 1 hour exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| 1893 | Isaac Roberts | M74 NGC628 | Galaxy. | Pisces | 9th December 1893; 3 hours 40 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| 1893 | Isaac Roberts | NGC1528 X25 H VII-61. | Open Cluster | Perseus | 15th January 1893; 1 hour exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| 1894 | Isaac Roberts | NGC4631 C32 H V-42. | Galaxy. | Canes Venatici | 29th March 1894; 3 hours exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| 1894 | Isaac Roberts | NGC2506 C54 H VI-37. | Open Cluster | Monoceros | 27th February 1894; 1 hour 30 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| 1894 | Edward Emerson Barnard | Comet. | Planets | Zodiacal | Comet Gale; 29th April 1894; Crocker Telescope, Lick Observatory, Mount Hamilton, California. |

| | 1894 | Isaac Roberts | NGC4900 H I-143. | Galaxy. | Virgo | 9th April 1894; 3 hours exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
|---|------|-------------------------|---------------------|---------------------|-----------|----------------------------------------------------------------------------------------------------|
| • | 1894 | Isaac Roberts | NGC2438 H IV-39. | Planetary Nebula | Puppis | 24th February 1894; 90 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| 0 | 1894 | Isaac Roberts | NGC4536 H V-2. | Galaxy. | Virgo | 25th March 1894; 3 hours exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1894 | Isaac Roberts | M46 NGC2437 | Open Cluster | Puppis | 24th February 1894; 1 hour 30 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1894 | Isaac Roberts | M65 NGC3623 | Galaxy. | Leo Major | 28th February 1894; 3 hours 40 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| 6 | 1894 | Isaac Roberts | M66 NGC3627 | Galaxy. | Leo Major | 28th February 1894; 3 hours 40 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1894 | Pierre Henri Puiseux | Mare Vaporum. | Moon | Zodiacal | 24" (60cm) Equatorial Coude Refractor, Meudon, Paris |

| 65 | 1894 | Pierre Henri Puiseux | Maurolycus. | Moon | Zodiacal | 24" (60cm) Equatorial Coude Refractor, Meudon, Paris |
|----|------|-------------------------|----------------------------|--------------|----------------|----------------------------------------------------------------------------------------------------|
| _ | 1894 | Isaac Roberts | NGC3628 X58 H V-8. | Galaxy. | Leo Major | 28th February 1894; 3 hours 45 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1894 | Isaac Roberts | NGC4656 X67 H I-176. | Galaxy. | Canes Venatici | 29th March 1894; 3 hours exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1895 | Isaac Roberts | NGC2976 H I-285. | Galaxy. | Ursa Major | 28th March 1895; 1 hour 30 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| 1 | 1895 | Isaac Roberts | NGC3079 H V-47. | Galaxy. | Ursa Major | 14th April 1895; 90 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1895 | Isaac Roberts | NGC7086 H VI-32. | Open Cluster | Cygnus | 21st September 1895; 90 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1895 | Isaac Roberts | NGC7142 H VII-66. | Open Cluster | Cepheus | 25th September 1895; 3 hours exposure; 20" Reflector; Starfield, Crowborough, Sussex. |

| | 1895 | Isaac Roberts | M1 NGC1952 | Supernova | Taurus. | 25th January 1895; 60 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
|---|------|---------------|-----------------|---------------------|-------------|----------------------------------------------------------------------------------------------------|
| | 1895 | Isaac Roberts | M108 NGC3556 | Galaxy. | Ursa Major | 20th April 1895; 4 hours exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1895 | Isaac Roberts | M13 NGC6205 | Globular Cluster | Hercules | 28th May 1895; 60 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1895 | Isaac Roberts | M24 NGC6603 | Star Field | Sagittarius | 14th August 1895; 2hours exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1895 | Isaac Roberts | M31 NGC224 | Galaxy. | Andromeda | 17th October 1895; 90 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1895 | Isaac Roberts | M33 NGC598 | Galaxy. | Triangulum. | 14th November 1895; 2 hours 15 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| 0 | 1895 | Isaac Roberts | M97 NGC3587 | Planetary Nebula | Ursa Major | 20th April 1895; 4 hours exposure; 20" Reflector; Starfield, Crowborough, Sussex. |

| | 1895 | Isaac Roberts | NGC6866 X100 H VII-59. | Open Cluster | Cygnus | 12th September 1895; 60 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
|----|------|-------------------------|------------------------------|--------------|-------------------|---------------------------------------------------------------------------------------------------|
| | 1896 | Isaac Roberts | NGC6946 C12 H IV-76. | Galaxy. | Cepheus | 9th October 1896; 2 hours 55 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1896 | Isaac Roberts | NGC7000 C20 H V-37. | Nebulae | Cygnus | 10th October 1896; 2 hours 55 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| A. | 1896 | Isaac Roberts | NGC6992 C33. | Supernova | Cygnus | 4th November 1896; 2 hours 55 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| / | 1896 | Isaac Roberts | NGC4565 C38 H V-24. | Galaxy. | Coma Berenices | 11th May 1896; 2 hours 53 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1896 | Pierre Henri Puiseux | Clavius. | Moon | Zodiacal | 24" (60cm) Equatorial Coude Refractor, Meudon, Paris |
| | 1896 | Isaac Roberts | NGC3631 H I-226. | Galaxy. | Ursa Major | 29th April 1896; 2 hours 49 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |

| | 1896 | Isaac Roberts | NGC7044 H VI-24. | Open Cluster | Cygnus | 4th October 1896; 90 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
|---|------|---------------|---------------------|--------------|-------------------|-------------------------------------------------------------------------------------------------|
| 6 | 1896 | Isaac Roberts | M100 NGC4321 | Galaxy. | Coma Berenices | 9th May 1896; 2 hours 57 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1896 | Isaac Roberts | M11 NGC6705 | Open Cluster | Scutum | 10th August 1896; 1 hour 30 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| * | 1896 | Isaac Roberts | M42 NGC1976 | Nebulae | Orion | 15th January 1896; 90 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| 6 | 1896 | Isaac Roberts | M51 NGC5194 | Galaxy. | Canes Venatici | 15th April 1896; 90 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1896 | Isaac Roberts | M63 NGC5055 | Galaxy. | Canes Venatici | 14th May 1896; 2 hours 55 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1896 | Isaac Roberts | M64 NGC4826 | Galaxy. | Coma Berenices | 10th May 1896; 2 hours 56 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |

| ~ | 1896 | Isaac Roberts | M99 NGC4254 | Galaxy. | Coma Berenices | 4th May 1896; 2 hours 57 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
|---|------|---------------|--------------------|---------------------|-------------------|----------------------------------------------------------------------------------------------------|
| | 1896 | Isaac Roberts | NGC281 X3. | Nebulae | Cassiopeia | 6th November 1896; 2 hours 55 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| ~ | 1897 | Isaac Roberts | NGC4244 C26. | Galaxy. | Canes Venatici | 28th April 1897; 90 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1897 | Isaac Roberts | NGC6888 C27. | Nebulae | Cygnus | 3rd September 1897; 2 hours 51 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1897 | Isaac Roberts | NGC2194 H VI-5. | Open Cluster | Orion | 23rd February 1897; 1 hour exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| - | 1897 | Isaac Roberts | M104 NGC4594 | Galaxy. | Virgo | 27th April 1897; 90 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1897 | Isaac Roberts | M14 NGC6402 | Globular Cluster | Ophiuchus | 2nd August 1897; 2 hours 18 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |

| . | 1897 | Isaac Roberts | M16 NGC6611 | Nebulae | Serpens Cauda | 4th August 1897; 2 hours exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
|----------|------|-----------------------------|----------------------------|--------------|----------------|--------------------------------------------------------------------------------------------------------------------|
| 2 | 1897 | William Edward Wilson | M42 NGC1976 | Nebulae | Orion | Taken on the 22nd January 1897 with a 20 minute exposure; 24" Grubb Reflector, Daramona, Ireland |
| | 1897 | Isaac Roberts | M45 NGC1432 | Open Cluster | Taurus. | 22nd, 23rd, 25th December 1897; 610 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1897 | Moritz Loewy | Mare Fecundiatis. | Moon | Zodiacal | 24" (60cm) Equatorial Coude Refractor, Meudon, Paris |
| St. A | 1897 | Isaac Roberts | NGC1499. | Nebulae | Perseus | 18th December 1897; 90 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| * | 1898 | Isaac Roberts | NGC4449 C21 H I-213. | Galaxy. | Canes Venatici | 24t April 1898; 90 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1898 | Isaac Roberts | NGC7023 C4. | Nebulae | Cepheus | 18th September 1898; 90 minutes exposure; 20" Reflector; 'Starfield Observatory', Crowborough, Sussex, England. |

| - 101 | 1898 | Isaac Roberts | NGC2403 C7 H V-44. | Galaxy. | Camelopardalis | 21st March 1898; 1 hour 30 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
|-------|------|---------------------------|--------------------------|---------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| | 1898 | Isaac Roberts | Cygnus. | Constellation | Cygnus | 10th September 1898; 2 hours 35 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1898 | Isaac Roberts | NGC3198 H I-199. | Galaxy. | Ursa Major | 17th April 1898; 2 hours 20 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1898 | Pierre Henri Puiseux | Lacus Somniorum. | Moon | Zodiacal | 24" (60cm) Equatorial Coude Refractor, Meudon, Paris |
| | 1898 | James Edward Keeler | M42 NGC1976 | Nebulae | Orion | 16th November 1898; 40 minutes exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
| • | 1898 | Isaac Roberts | M57 NGC6720 | Planetary Nebula | Lyra | 10th July 1898; 20 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1898 | Isaac Roberts | M71 NGC6838 | Globular Cluster | Sagitta | 20th July 1898; 90 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |

| | 1898 | Isaac Roberts | NGC7789 X108 H VI-30. | Open Cluster | Cassiopeia | 7th December 1898; 90 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
|-----|------|---------------------------|-----------------------------|--------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------|
| | 1898 | Isaac Roberts | NGC4490 X63 H I-198. | Galaxy. | Canes Venatici | 23rd April 1898; 2 hours exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| à | 1899 | James Edward Keeler | NGC6946 C12 H IV-76. | Galaxy. | Cepheus | 8th August 1899; 4 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
| | 1899 | James Edward Keeler | NGC891 C23 H V-19. | Galaxy. | Andromeda | 6th November 1899; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California |
| | 1899 | James Edward Keeler | NGC7331 C30 H I-53. | Galaxy. | Pegasus | 11th August 1899; 4 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
| A A | 1899 | James Edward Keeler | NGC6992 C33. | Supernova | Cygnus | 29th August 1899; 4 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |

| | 1899 | James Edward Keeler | NGC7814 C43 H II-240. | Galaxy. | Pegasus | 30th September 1899; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
|---|------|---------------------------|-----------------------------|-----------|------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| ø | 1899 | James Edward Keeler | NGC7479 C44 H I-55. | Galaxy. | Pegasus | 9th August 1899; 2 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
| | 1899 | Isaac Roberts | NGC2237 C49. | Nebulae | Monoceros | 5th March 1899; 2 hours 45 minutes exposure; 20" Reflector; Starfield, Crowborough, Sussex. |
| | 1899 | James Edward Keeler | NGC7217 H II-207. | Galaxy. | Pegasus | 12th August 1899; 4 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
| | 1899 | James Edward Keeler | M1 NGC1952 | Supernova | Taurus. | 24th December 1899; 2 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California |
| | 1899 | James Edward Keeler | M101 NGC5457 | Galaxy. | Ursa Major | 8th June 1899; 4 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California |

| * | 1899 | James Edward Keeler | M12 NGC6218 | Globular Cluster | Ophiuchus | 11th July 1899; 2 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California |
|------------|------|---------------------------|----------------|---------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| a the | 1899 | James Edward Keeler | M17 NGC6618 | Nebulae | Sagittarius | 9th July 1899; 4 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
| 1 2 | 1899 | James Edward Keeler | M20 NGC6514 | Nebulae | Sagittarius | 6th July 1899; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California |
| 3 | 1899 | James Edward Keeler | M27 NGC6853 | Planetary Nebula | Vulpecula | 31st July 1899; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California |
| | 1899 | James Edward Keeler | M31 NGC224 | Galaxy. | Andromeda | September 7th 1899, 3 hours exposure; Orientation West at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
| felt. | 1899 | James Edward Keeler | M33 NGC598 | Galaxy. | Triangulum. | 12th September 1899; 3 hours exposure; Orientation West at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California |

| | 1899 | James Edward Keeler | M45 NGC1432 | Open Cluster | Taurus. | 28th December 1899; 4 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
|----|------|---------------------------|----------------|---------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 0, | 1899 | James Edward Keeler | M51 NGC5194 | Galaxy. | Canes Venatici | 10th May 1899; 4 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
| 0 | 1899 | James Edward Keeler | M57 NGC6720 | Planetary Nebula | Lyra | 14th July 1899; 10 minutes exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California |
| | 1899 | James Edward Keeler | M74 NGC628 | Galaxy. | Pisces | 31st October 1899; 4 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
| | 1899 | James Edward Keeler | M76 NGC651 | Planetary Nebula | Perseus | 11th September 1899; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California |
| | 1899 | James Edward Keeler | M8 NGC6523 | Nebulae | Sagittarius | 7th July 1899; 4 hours exposure; Orientation West at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |

| | 1899 | Pierre Henri Puiseux | Mare Nectaris. | Moon | Zodiacal | 24" (60cm) Equatorial Coude Refractor, Meudon, Paris |
|-----|------|---------------------------|--------------------------|---------|----------------|------------------------------------------------------------------------------------------------------------------------------------------|
| | 1899 | Pierre Henri Puiseux | Mare Tranquillatis. | Moon | Zodiacal | 24" (60cm) Equatorial Coude Refractor, Meudon, Paris |
| | 1899 | Pierre Henri Puiseux | Tycho. | Moon | Zodiacal | 10.5" Equatorial Coude Refractor, Meudon, Paris |
| | 1900 | James Edward Keeler | NGC4244 C26. | Galaxy. | Canes Venatici | March 30th 1900; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
| . 🥙 | 1900 | James Edward Keeler | NGC2403 C7 H V-44. | Galaxy. | Camelopardalis | 27th February 1900; 4 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
| | 1900 | Moritz Loewy | Furnerius. | Moon | Zodiacal | 24" (60cm) Equatorial Coude Refractor, Meudon, Paris |

| • | 1900 | James Edward Keeler | NGC3198 H I-199. | Galaxy. | Ursa Major | 24th March 1900; 4 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
|---|------|---------------------------|---------------------|---------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| | 1900 | James Edward Keeler | M13 NGC6205 | Globular Cluster | Hercules | 22nd June 1900; 2 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
| | 1900 | James Edward Keeler | M3 NGC5272 | Globular Cluster | Canes Venatici | 22nd May 1900; 1 hour 30 minutes exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California |
| | 1900 | James Edward Keeler | M61 NGC4303 | Galaxy. | Virgo | 27th April 1900; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
| | 1900 | James Edward Keeler | M64 NGC4826 | Galaxy. | Coma Berenices | 27th May 1900; 2 hours 30 minutes exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California |
| 1 | 1900 | James Edward Keeler | M65 NGC3623 | Galaxy. | Leo Major | 23rd April 1900; 3 hours 30 minutes exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |

| 6 | 1900 | James Edward Keeler | M66 NGC3627 | Galaxy. | Leo Major | 23rd April 1900; 3 hours 30 minutes exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California |
|---|------|---------------------------|-----------------|---------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| • | 1900 | James Edward Keeler | M77 NGC1068 | Galaxy. | Cetus | 3rd December 1900; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. Taken after Keeler's Death. |
| 0 | 1900 | James Edward Keeler | M81 NGC3031 | Galaxy. | Ursa Major | 21st March 1900; 3 hours 55 minutes exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California |
| ٠ | 1900 | James Edward Keeler | M97 NGC3587 | Planetary Nebula | Ursa Major | 28th March 1900; 4 hours exposure; Orientation South at top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California |
| | 1900 | Moritz Loewy | Mare Crisium. | Moon | Zodiacal | 24" (60cm) Equatorial Coude Refractor, Meudon, Paris |
| | 1900 | James Edward Keeler | NGC1977 X32. | Nebulae | Orion | 21st January 1900; 2 hours 50 minutes exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |

| X | 1900 | James Edward Keeler | NGC2683 X47 H I-200. | Galaxy. | Lynx | 23rd February 1900; 3 hours 20 minutes exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. |
|---|------|---------------------------|----------------------------|---------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 1901 | Charles Dillon Perrine | NGC4559 C36/H I-92. | Galaxy. | Coma Berenices | 9th May, 1901; 3 hours exposure; Orientation, South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |
| | 1901 | Charles Dillon Perrine | NGC4565 C38 H V-24. | Galaxy. | Coma Berenices | 21st April 1901; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |
| | 1901 | Charles Dillon Perrine | NGC3115 C53 H I-163. | Galaxy. | Sextans | 9th April 1901; 2 hours 30 minutes exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |
| | 1901 | Charles Dillon Perrine | NGC3226 H II-28. | Galaxy. | Leo Major | 10th April 1901; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |
| - | 1901 | Charles Dillon Perrine | M100/NGC4321 | Galaxy. | Coma Berenices | 19th April 1901; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |

| 1901 | Moritz Loewy | Mare Frigoris. | Moon | Zodiacal | 24" (60cm) Equatorial Coude Refractor, Meudon, Paris |
|----------|---------------------------|---------------------------|---------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1901 | Pierre Henri Puiseux | Santbech. | Moon | Zodiacal | 24" (60cm) Equatorial Coude Refractor, Meudon, Paris |
| 1902 | Charles Dillon Perrine | NGC4631 C32 H V-42. | Galaxy. | Canes Venatici | 6th June 1902; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |
| 1902 | Charles Dillon Perrine | NGC253 C65 H V-1. | Galaxy. | Sculptor | 18th-20th December 1902; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |
| 1902 | Charles Dillon Perrine | M108 NGC3556 | Galaxy. | Ursa Major | 3rd May 1902; 4 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |
| 1902 | Charles Dillon Perrine | M63 NGC5055 | Galaxy. | Canes Venatici | 5th July 1902; 3 hours 30 minutes exposure; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |

| | 1902 | Charles Dillon Perrine | M78 NGC2068 | Nebulae | Orion | 26th November 1902; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |
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| | 1902 | Charles Dillon Perrine | M94 NGC4736 | Galaxy. | Canes Venatici | 4th July 1902; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. Taken after Keeler's death. |
| | 1902 | Charles Dillon Perrine | M99 NGC4254 | Galaxy. | Coma Berenices | 7th June 1902; 3 hours 19 minutes; Orientation South at top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |
| a de presente de la compañía de la compa | 1902 | Charles Dillon Perrine | NGC2024 X34 H V-28. | Nebulae | Orion | 28th January 1902; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |
| | 1902 | Charles Dillon Perrine | NGC4725 X69 H I-84. | Galaxy. | Coma Berenices | 30th June - 2nd July 1902; 3 hours 32 minutes exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. Taken after Keeler's death. |
| | 1902 | Charles Dillon Perrine | NGC5866 X75 H I-215. | Galaxy. | Draco | 28th July 1902; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |

| 120 | 1903 | Charles Dillon Perrine | NGC7023 C4. | Nebulae | Cepheus | 19-20th August 1903; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |
|-----|------|----------------------------------|-----------------------------|--------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 1903 | Charles Dillon Perrine | NGC4536 H V-2. | Galaxy. | Virgo | 27th May 1903; 3 hours 30 minutes exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |
| 4 | 1903 | Charles Dillon Perrine | M106 NGC4258 | Galaxy. | Canes Venatici | 23rd May 1903; 3 hours 53 minutes exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |
| | 1903 | Pierre Jules Cesar Janssen | Sun. | Sun | Zodiacal | |
| 70 | 1903 | Charles Dillon Perrine | NGC2264 X38 H VIII-5. | Open Cluster | Monoceros | 23rd February 1903; 3 hours exposure; Orientation South at Top; 36" Crossley Reflector, Lick Observatory, Mount Hamilton, California. His Deep Space Object project was completed after Keeler's death by Charles Dillon Perrine. |
| | 1904 | Moritz Loewy | Mare Humorum. | Moon | Zodiacal | 24" (60cm) Equatorial Coude Refractor, Meudon, Paris |

| | 1905 | Edward Emerson Barnard | Rho Ophiuchii. | Star Field | Ophiuchus | |
|---|------|------------------------------|-----------------------------|---------------|-------------------|-----------------------------------------|
| | 1905 | Edward Emerson Barnard | Ophiuchus. | Constellation | Ophiuchus | |
| | 1910 | George Willis Ritchey | NGC6960 C34. | Supernova | Cygnus | 60" Reflector, Mount Wilson, California |
| 1 | 1910 | George Willis Ritchey | NGC4565 C38 H V-24. | Galaxy. | Coma Berenices | 60" Reflector; Mount Wilson, California |
| | 1910 | George Willis Ritchey | NGC7814 C43 H II-240. | Galaxy. | Pegasus | 60" Reflector; Mount Wilson, California |
| | 1910 | George Willis Ritchey | Copernicus. | Moon | Zodiacal | 60" Reflector, Mount Wilson, California |

| | 1910 | George Willis Ritchey | M101 NGC5457 | Galaxy. | Ursa Major | 60" Reflector; Mount Wilson, California |
|-------|------|------------------------------|-----------------|---------------------|----------------|-----------------------------------------------------------------------------------------|
| | 1910 | George Willis Ritchey | M20 NGC6514 | Nebulae | Sagittarius | 60" Reflector, Mount Wilson, California |
| • | 1910 | George Willis Ritchey | M3 NGC5272 | Globular Cluster | Canes Venatici | 9th April 1910; exposure 3 hours 30 minutes; 60" Reflector, Mount Wilson, California |
| | 1910 | George Willis Ritchey | M33 NGC598 | Galaxy. | Triangulum. | 60" Reflector; Mount Wilson, California |
| 6 | 1910 | George Willis Ritchey | M51 NGC5194 | Galaxy. | Canes Venatici | 60" Reflector, Mount Wilson; 7th and 8th April 1910; exposure of 10 hours 45 minutes. |
| • • • | 1911 | Edward Emerson Barnard | Saturn. | Planets | Zodiacal | 60" Reflector Mount Wilson Observatory 1911. |
| 123 | 1915 | George Willis Ritchey | M31 NGC224 | Galaxy. | Andromeda | 60" Reflector; Mount Wilson, California |

| 0 | 1917 | George Willis Ritchey | M81 NGC3031 | Galaxy. | Ursa Major | 60" Reflector, Mount Wilson, California; 3 hours exposure. |
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| | 1949 | Edwin Hubble | NGC2261 C46. | Nebulae | Monoceros | 200 inch Reflector; Mount Palomar Observatory, California; 26 January 1949 |