

13 May 1500 Partial Lunar
27 May 1500 Solar Annular
6 Nov 1500 Partial Lunar
21 Nov 1500 Solar Total
17 Apr 1501 Solar Partial
3 May 1501 Total Lunar
17 May 1501 Solar Partial
12 Oct 1501 Solar Partial
26 Oct 1501 Total Lunar
7 Apr 1502 Solar Total
22 Apr 1502 Appulse Lunar
1 Oct 1502 Solar Annular
15 Oct 1502 Partial Lunar
12 Mar 1503 Appulse Lunar
27 Mar 1503 Solar Total
6 Sep 1503 Appulse Lunar
20 Sep 1503 Solar Annular
5 Oct 1503 Appulse Lunar
1 Mar 1504 Total Lunar
16 Mar 1504 Solar Partial
25 Aug 1504 Total Lunar
8 Sep 1504 Solar Annular
4 Feb 1505 Solar Partial
18 Feb 1505 Total Lunar
30 Jul 1505 Solar Total
14 Aug 1505 Total Lunar
24 Jan 1506 Solar Annular
8 Feb 1506 Partial Lunar
20 Jul 1506 Solar Total
3 Aug 1506 Appulse Lunar
30 Dec 1506 Appulse Lunar
13 Jan 1507 Solar Annular
24 Jun 1507 Partial Lunar
10 Jul 1507 Solar Hybrid
19 Dec 1507 Total Lunar
2 Jan 1508 Solar Annular
29 May 1508 Solar Partial
13 Jun 1508 Total Lunar
28 Jun 1508 Solar Partial
22 Nov 1508 Solar Partial
7 Dec 1508 Total Lunar
18 May 1509 Solar Annular
2 Jun 1509 Partial Lunar
12 Nov 1509 Solar Hybrid
26 Nov 1509 Partial Lunar
24 Apr 1510 Appulse Lunar
8 May 1510 Solar Hybrid
23 May 1510 Appulse Lunar
17 Oct 1510 Appulse Lunar
1 Nov 1510 Solar Annular
13 Apr 1511 Partial Lunar
27 Apr 1511 Solar Total
6 Oct 1511 Total Lunar
21 Oct 1511 Solar Annular
17 Mar 1512 Solar Partial
1 Apr 1512 Total Lunar
16 Apr 1512 Solar Partial
10 Sep 1512 Solar Partial
25 Sep 1512 Total Lunar
7 Mar 1513 Solar Hybrid
21 Mar 1513 Partial Lunar
30 Aug 1513 Solar Total

15 Sep 1513 Partial Lunar
9 Feb 1514 Appulse Lunar
24 Feb 1514 Solar Annular
5 Aug 1514 Appulse Lunar
20 Aug 1514 Solar Total
30 Jan 1515 Total Lunar
13 Feb 1515 Solar Partial
11 Jul 1515 Solar Partial
25 Jul 1515 Total Lunar
9 Aug 1515 Solar Partial
4 Jan 1516 Solar Partial
19 Jan 1516 Total Lunar
30 Jun 1516 Solar Annular
13 Jul 1516 Total Lunar
23 Dec 1516 Solar Total
8 Jan 1517 Appulse Lunar
4 Jun 1517 Appulse Lunar
19 Jun 1517 Solar Annular
3 Jul 1517 Appulse Lunar
28 Nov 1517 Appulse Lunar
13 Dec 1517 Solar Total
24 May 1518 Partial Lunar
8 Jun 1518 Solar Annular
17 Nov 1518 Partial Lunar
2 Dec 1518 Solar Total
28 Apr 1519 Solar Partial
14 May 1519 Total Lunar
28 May 1519 Solar Partial
23 Oct 1519 Solar Partial
6 Nov 1519 Total Lunar
17 Apr 1520 Solar Total
2 May 1520 Partial Lunar
11 Oct 1520 Solar Annular
26 Oct 1520 Partial Lunar
23 Mar 1521 Appulse Lunar
7 Apr 1521 Solar Total
16 Sep 1521 Appulse Lunar
30 Sep 1521 Solar Annular
15 Oct 1521 Appulse Lunar
12 Mar 1522 Total Lunar
27 Mar 1522 Solar Total
5 Sep 1522 Total Lunar
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15 Feb 1523 Solar Partial
1 Mar 1523 Total Lunar
11 Aug 1523 Solar Total
26 Aug 1523 Total Lunar
4 Feb 1524 Solar Annular
19 Feb 1524 Partial Lunar
30 Jul 1524 Solar Total
14 Aug 1524 Appulse Lunar
9 Jan 1525 Appulse Lunar
23 Jan 1525 Solar Annular
4 Jul 1525 Partial Lunar
20 Jul 1525 Solar Hybrid
29 Dec 1525 Total Lunar
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24 Jun 1526 Total Lunar
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4 Dec 1526 Solar Partial
18 Dec 1526 Total Lunar

30 May 1527 Solar Annular
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2 Jun 1528 Appulse Lunar
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6 Oct 1530 Total Lunar
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10 Sep 1531 Solar Total
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7 Mar 1532 Solar Annular
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24 Jan 1544 Solar Hybrid
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4 Dec 1545 Solar Hybrid
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24 Apr 1614 Partial Lunar
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22 Sep 1615 Solar Annular
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28 Jul 1692 Partial Lunar
12 Aug 1692 Solar Total
6 Jan 1693 Solar Partial
22 Jan 1693 Total Lunar
5 Feb 1693 Solar Partial

3 Jul 1693 Solar Partial
17 Jul 1693 Total Lunar
27 Dec 1693 Solar Total
11 Jan 1694 Partial Lunar
7 Jun 1694 Appulse Lunar
22 Jun 1694 Solar Annular
7 Jul 1694 Partial Lunar
1 Dec 1694 Appulse Lunar
16 Dec 1694 Solar Total
31 Dec 1694 Appulse Lunar
28 May 1695 Partial Lunar
11 Jun 1695 Solar Annular
20 Nov 1695 Partial Lunar
6 Dec 1695 Solar Total
1 May 1696 Solar Partial
16 May 1696 Total Lunar
30 May 1696 Solar Partial
26 Oct 1696 Solar Partial
9 Nov 1696 Total Lunar
24 Nov 1696 Solar Partial
21 Apr 1697 Solar Total
6 May 1697 Partial Lunar
15 Oct 1697 Solar Annular
29 Oct 1697 Partial Lunar
26 Mar 1698 Appulse Lunar
10 Apr 1698 Solar Total
25 Apr 1698 Appulse Lunar
20 Sep 1698 Appulse Lunar
4 Oct 1698 Solar Annular
19 Oct 1698 Appulse Lunar
15 Mar 1699 Partial Lunar
31 Mar 1699 Solar Hybrid
9 Sep 1699 Partial Lunar
23 Sep 1699 Solar Hybrid
18 Feb 1700 Solar Partial
5 Mar 1700 Total Lunar
14 Aug 1700 Solar Partial
29 Aug 1700 Total Lunar
13 Sep 1700 Solar Partial
7 Feb 1701 Solar Annular
22 Feb 1701 Partial Lunar
4 Aug 1701 Solar Total
18 Aug 1701 Partial Lunar
14 Jan 1702 Appulse Lunar
28 Jan 1702 Solar Annular
12 Feb 1702 Appulse Lunar
9 Jul 1702 Appulse Lunar
24 Jul 1702 Solar Hybrid
7 Aug 1702 Appulse Lunar
3 Jan 1703 Partial Lunar
17 Jan 1703 Solar Total
29 Jun 1703 Total Lunar
14 Jul 1703 Solar Partial
8 Dec 1703 Solar Partial
23 Dec 1703 Total Lunar
7 Jan 1704 Solar Partial
2 Jun 1704 Solar Annular
17 Jun 1704 Total Lunar
27 Nov 1704 Solar Annular
11 Dec 1704 Partial Lunar
8 May 1705 Appulse Lunar
22 May 1705 Solar Hybrid

7 Jun 1705 Appulse Lunar
1 Nov 1705 Appulse Lunar
16 Nov 1705 Solar Annular
30 Nov 1705 Appulse Lunar
28 Apr 1706 Partial Lunar
12 May 1706 Solar Total
21 Oct 1706 Partial Lunar
5 Nov 1706 Solar Annular
2 Apr 1707 Solar Partial
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2 May 1707 Solar Partial
25 Sep 1707 Solar Partial
11 Oct 1707 Total Lunar
25 Oct 1707 Solar Partial
22 Mar 1708 Solar Annular
5 Apr 1708 Partial Lunar
14 Sep 1708 Solar Total
29 Sep 1708 Partial Lunar
24 Feb 1709 Appulse Lunar
11 Mar 1709 Solar Annular
25 Mar 1709 Appulse Lunar
20 Aug 1709 Appulse Lunar
4 Sep 1709 Solar Total
19 Sep 1709 Appulse Lunar
13 Feb 1710 Partial Lunar
28 Feb 1710 Solar Annular
9 Aug 1710 Partial Lunar
24 Aug 1710 Solar Total
18 Jan 1711 Solar Partial
3 Feb 1711 Total Lunar
17 Feb 1711 Solar Partial
15 Jul 1711 Solar Partial
29 Jul 1711 Total Lunar
8 Jan 1712 Solar Total
23 Jan 1712 Partial Lunar
19 Jun 1712 Appulse Lunar
3 Jul 1712 Solar Annular
18 Jul 1712 Partial Lunar
13 Dec 1712 Appulse Lunar
28 Dec 1712 Solar Total
11 Jan 1713 Appulse Lunar
8 Jun 1713 Partial Lunar
22 Jun 1713 Solar Annular
2 Dec 1713 Partial Lunar
17 Dec 1713 Solar Hybrid
13 May 1714 Solar Partial
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12 Jun 1714 Solar Partial
7 Nov 1714 Solar Partial
21 Nov 1714 Total Lunar
7 Dec 1714 Solar Partial
3 May 1715 Solar Total
18 May 1715 Partial Lunar
27 Oct 1715 Solar Annular
11 Nov 1715 Partial Lunar
6 Apr 1716 Appulse Lunar
22 Apr 1716 Solar Total
6 May 1716 Appulse Lunar
1 Oct 1716 Appulse Lunar
15 Oct 1716 Solar Annular
30 Oct 1716 Appulse Lunar
27 Mar 1717 Partial Lunar

11 Apr 1717 Solar Hybrid
20 Sep 1717 Partial Lunar
4 Oct 1717 Solar Hybrid
2 Mar 1718 Solar Partial
16 Mar 1718 Total Lunar
26 Aug 1718 Solar Partial
9 Sep 1718 Total Lunar
24 Sep 1718 Solar Partial
19 Feb 1719 Solar Annular
6 Mar 1719 Partial Lunar
15 Aug 1719 Solar Total
29 Aug 1719 Partial Lunar
25 Jan 1720 Appulse Lunar
8 Feb 1720 Solar Annular
23 Feb 1720 Appulse Lunar
19 Jul 1720 Appulse Lunar
4 Aug 1720 Solar Annular
18 Aug 1720 Appulse Lunar
13 Jan 1721 Partial Lunar
27 Jan 1721 Solar Total
9 Jul 1721 Total Lunar
24 Jul 1721 Solar Partial
19 Dec 1721 Solar Partial
2 Jan 1722 Total Lunar
17 Jan 1722 Solar Partial
13 Jun 1722 Solar Partial
29 Jun 1722 Total Lunar
8 Dec 1722 Solar Annular
22 Dec 1722 Partial Lunar
20 May 1723 Appulse Lunar
3 Jun 1723 Solar Total
18 Jun 1723 Appulse Lunar
12 Nov 1723 Appulse Lunar
27 Nov 1723 Solar Annular
11 Dec 1723 Appulse Lunar
8 May 1724 Partial Lunar
22 May 1724 Solar Total
1 Nov 1724 Partial Lunar
15 Nov 1724 Solar Annular
13 Apr 1725 Solar Partial
27 Apr 1725 Total Lunar
12 May 1725 Solar Partial
6 Oct 1725 Solar Partial
21 Oct 1725 Total Lunar
4 Nov 1725 Solar Partial
2 Apr 1726 Solar Annular
16 Apr 1726 Partial Lunar
25 Sep 1726 Solar Total
11 Oct 1726 Partial Lunar
7 Mar 1727 Appulse Lunar
22 Mar 1727 Solar Annular
6 Apr 1727 Appulse Lunar
31 Aug 1727 Appulse Lunar
15 Sep 1727 Solar Total
30 Sep 1727 Appulse Lunar
25 Feb 1728 Partial Lunar
10 Mar 1728 Solar Annular
19 Aug 1728 Partial Lunar
4 Sep 1728 Solar Total
29 Jan 1729 Solar Partial
13 Feb 1729 Total Lunar
27 Feb 1729 Solar Partial

26 Jul 1729 Solar Partial
9 Aug 1729 Total Lunar
24 Aug 1729 Solar Partial
18 Jan 1730 Solar Total
3 Feb 1730 Partial Lunar
15 Jul 1730 Solar Annular
29 Jul 1730 Partial Lunar
24 Dec 1730 Appulse Lunar
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23 Jan 1731 Appulse Lunar
20 Jun 1731 Partial Lunar
4 Jul 1731 Solar Annular
13 Dec 1731 Partial Lunar
29 Dec 1731 Solar Hybrid
8 Jun 1732 Total Lunar
22 Jun 1732 Solar Partial
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1 Dec 1732 Total Lunar
17 Dec 1732 Solar Partial
13 May 1733 Solar Total
28 May 1733 Partial Lunar
6 Nov 1733 Solar Annular
21 Nov 1733 Partial Lunar
18 Apr 1734 Appulse Lunar
3 May 1734 Solar Total
17 May 1734 Appulse Lunar
12 Oct 1734 Appulse Lunar
26 Oct 1734 Solar Annular
11 Nov 1734 Appulse Lunar
7 Apr 1735 Partial Lunar
23 Apr 1735 Solar Hybrid
2 Oct 1735 Partial Lunar
16 Oct 1735 Solar Hybrid
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11 Apr 1736 Solar Partial
5 Sep 1736 Solar Partial
20 Sep 1736 Total Lunar
4 Oct 1736 Solar Partial
1 Mar 1737 Solar Annular
16 Mar 1737 Partial Lunar
26 Aug 1737 Solar Total
9 Sep 1737 Partial Lunar
4 Feb 1738 Appulse Lunar
18 Feb 1738 Solar Annular
6 Mar 1738 Appulse Lunar
31 Jul 1738 Appulse Lunar
15 Aug 1738 Solar Annular
29 Aug 1738 Appulse Lunar
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20 Jul 1739 Total Lunar
4 Aug 1739 Solar Annular
30 Dec 1739 Solar Partial
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28 Jan 1740 Solar Partial
24 Jun 1740 Solar Partial
9 Jul 1740 Total Lunar
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13 Jun 1741 Solar Total
28 Jun 1741 Appulse Lunar

22 Nov 1741 Appulse Lunar
8 Dec 1741 Solar Annular
22 Dec 1741 Appulse Lunar
19 May 1742 Partial Lunar
3 Jun 1742 Solar Total
12 Nov 1742 Partial Lunar
27 Nov 1742 Solar Annular
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23 May 1743 Solar Partial
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2 Nov 1743 Total Lunar
16 Nov 1743 Solar Partial
12 Apr 1744 Solar Annular
26 Apr 1744 Partial Lunar
6 Oct 1744 Solar Total
21 Oct 1744 Partial Lunar
17 Mar 1745 Appulse Lunar
2 Apr 1745 Solar Annular
16 Apr 1745 Appulse Lunar
10 Sep 1745 Appulse Lunar
25 Sep 1745 Solar Total
10 Oct 1745 Appulse Lunar
7 Mar 1746 Partial Lunar
22 Mar 1746 Solar Annular
30 Aug 1746 Partial Lunar
15 Sep 1746 Solar Total
9 Feb 1747 Solar Partial
25 Feb 1747 Total Lunar
11 Mar 1747 Solar Partial
6 Aug 1747 Solar Partial
20 Aug 1747 Total Lunar
4 Sep 1747 Solar Partial
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14 Feb 1748 Partial Lunar
25 Jul 1748 Solar Annular
8 Aug 1748 Partial Lunar
3 Jan 1749 Appulse Lunar
18 Jan 1749 Solar Total
2 Feb 1749 Appulse Lunar
30 Jun 1749 Partial Lunar
14 Jul 1749 Solar Annular
29 Jul 1749 Appulse Lunar
23 Dec 1749 Partial Lunar
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19 Jun 1750 Total Lunar
3 Jul 1750 Solar Annular
29 Nov 1750 Solar Partial
13 Dec 1750 Total Lunar
28 Dec 1750 Solar Partial
25 May 1751 Solar Total
9 Jun 1751 Partial Lunar
18 Nov 1751 Solar Annular
2 Dec 1751 Partial Lunar
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13 May 1752 Solar Total
28 May 1752 Appulse Lunar
23 Oct 1752 Appulse Lunar
6 Nov 1752 Solar Annular
21 Nov 1752 Appulse Lunar
17 Apr 1753 Partial Lunar
3 May 1753 Solar Hybrid

12 Oct 1753 Partial Lunar
26 Oct 1753 Solar Hybrid
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7 Apr 1754 Total Lunar
22 Apr 1754 Solar Partial
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16 Oct 1754 Solar Partial
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28 Mar 1755 Partial Lunar
6 Sep 1755 Solar Total
20 Sep 1755 Partial Lunar
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1 Mar 1756 Solar Annular
16 Mar 1756 Appulse Lunar
10 Aug 1756 Appulse Lunar
25 Aug 1756 Solar Annular
8 Sep 1756 Appulse Lunar
4 Feb 1757 Partial Lunar
18 Feb 1757 Solar Total
30 Jul 1757 Partial Lunar
14 Aug 1757 Solar Annular
9 Jan 1758 Solar Partial
24 Jan 1758 Total Lunar
8 Feb 1758 Solar Partial
5 Jul 1758 Solar Partial
20 Jul 1758 Total Lunar
30 Dec 1758 Solar Annular
13 Jan 1759 Partial Lunar
24 Jun 1759 Solar Total
10 Jul 1759 Appulse Lunar
4 Dec 1759 Appulse Lunar
19 Dec 1759 Solar Annular
2 Jan 1760 Appulse Lunar
29 May 1760 Partial Lunar
13 Jun 1760 Solar Total
22 Nov 1760 Partial Lunar
7 Dec 1760 Solar Annular
4 May 1761 Solar Partial
18 May 1761 Total Lunar
3 Jun 1761 Solar Partial
12 Nov 1761 Total Lunar
26 Nov 1761 Solar Partial
24 Apr 1762 Solar Annular
8 May 1762 Partial Lunar
17 Oct 1762 Solar Total
1 Nov 1762 Partial Lunar
29 Mar 1763 Appulse Lunar
13 Apr 1763 Solar Annular
27 Apr 1763 Appulse Lunar
22 Sep 1763 Appulse Lunar
7 Oct 1763 Solar Total
21 Oct 1763 Appulse Lunar
18 Mar 1764 Partial Lunar
1 Apr 1764 Solar Annular
10 Sep 1764 Partial Lunar
25 Sep 1764 Solar Total
19 Feb 1765 Solar Partial
7 Mar 1765 Total Lunar
21 Mar 1765 Solar Partial
16 Aug 1765 Solar Partial
30 Aug 1765 Total Lunar

15 Sep 1765 Solar Partial
9 Feb 1766 Solar Total
24 Feb 1766 Partial Lunar
5 Aug 1766 Solar Annular
20 Aug 1766 Partial Lunar
15 Jan 1767 Appulse Lunar
30 Jan 1767 Solar Total
13 Feb 1767 Appulse Lunar
11 Jul 1767 Appulse Lunar
25 Jul 1767 Solar Annular
10 Aug 1767 Appulse Lunar
4 Jan 1768 Partial Lunar
19 Jan 1768 Solar Hybrid
30 Jun 1768 Total Lunar
14 Jul 1768 Solar Hybrid
9 Dec 1768 Solar Partial
23 Dec 1768 Total Lunar
8 Jan 1769 Solar Partial
4 Jun 1769 Solar Total
19 Jun 1769 Total Lunar
28 Nov 1769 Solar Annular
13 Dec 1769 Partial Lunar
25 May 1770 Solar Total
8 Jun 1770 Appulse Lunar
3 Nov 1770 Appulse Lunar
17 Nov 1770 Solar Annular
2 Dec 1770 Appulse Lunar
29 Apr 1771 Partial Lunar
14 May 1771 Solar Hybrid
23 Oct 1771 Partial Lunar
6 Nov 1771 Solar Hybrid
3 Apr 1772 Solar Partial
17 Apr 1772 Total Lunar
2 May 1772 Solar Partial
27 Sep 1772 Solar Partial
11 Oct 1772 Total Lunar
26 Oct 1772 Solar Partial
23 Mar 1773 Solar Annular
7 Apr 1773 Partial Lunar
16 Sep 1773 Solar Total
30 Sep 1773 Partial Lunar
26 Feb 1774 Appulse Lunar
12 Mar 1774 Solar Annular
27 Mar 1774 Appulse Lunar
21 Aug 1774 Appulse Lunar
6 Sep 1774 Solar Annular
20 Sep 1774 Appulse Lunar
15 Feb 1775 Partial Lunar
1 Mar 1775 Solar Total
11 Aug 1775 Partial Lunar
26 Aug 1775 Solar Annular
21 Jan 1776 Solar Partial
4 Feb 1776 Total Lunar
19 Feb 1776 Solar Partial
15 Jul 1776 Solar Partial
31 Jul 1776 Total Lunar
14 Aug 1776 Solar Partial
9 Jan 1777 Solar Annular
23 Jan 1777 Partial Lunar
5 Jul 1777 Solar Total
20 Jul 1777 Partial Lunar
14 Dec 1777 Appulse Lunar

29 Dec 1777 Solar Annular
13 Jan 1778 Appulse Lunar
10 Jun 1778 Appulse Lunar
24 Jun 1778 Solar Total
4 Dec 1778 Partial Lunar
18 Dec 1778 Solar Annular
16 May 1779 Solar Partial
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14 Jun 1779 Solar Partial
23 Nov 1779 Total Lunar
7 Dec 1779 Solar Partial
4 May 1780 Solar Annular
18 May 1780 Partial Lunar
27 Oct 1780 Solar Total
12 Nov 1780 Partial Lunar
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23 Apr 1781 Solar Annular
8 May 1781 Appulse Lunar
2 Oct 1781 Appulse Lunar
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1 Nov 1781 Appulse Lunar
29 Mar 1782 Partial Lunar
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21 Sep 1782 Partial Lunar
7 Oct 1782 Solar Total
3 Mar 1783 Solar Partial
18 Mar 1783 Total Lunar
1 Apr 1783 Solar Partial
27 Aug 1783 Solar Partial
10 Sep 1783 Total Lunar
26 Sep 1783 Solar Partial
20 Feb 1784 Solar Total
7 Mar 1784 Partial Lunar
16 Aug 1784 Solar Annular
30 Aug 1784 Partial Lunar
25 Jan 1785 Appulse Lunar
9 Feb 1785 Solar Total
24 Feb 1785 Appulse Lunar
21 Jul 1785 Appulse Lunar
5 Aug 1785 Solar Annular
20 Aug 1785 Appulse Lunar
14 Jan 1786 Partial Lunar
30 Jan 1786 Solar Hybrid
11 Jul 1786 Total Lunar
25 Jul 1786 Solar Total
20 Dec 1786 Solar Partial
3 Jan 1787 Total Lunar
19 Jan 1787 Solar Partial
15 Jun 1787 Solar Total
30 Jun 1787 Total Lunar
9 Dec 1787 Solar Annular
24 Dec 1787 Partial Lunar
4 Jun 1788 Solar Total
18 Jun 1788 Appulse Lunar
13 Nov 1788 Appulse Lunar
27 Nov 1788 Solar Annular
13 Dec 1788 Appulse Lunar
9 May 1789 Partial Lunar
24 May 1789 Solar Hybrid
3 Nov 1789 Partial Lunar
17 Nov 1789 Solar Hybrid
14 Apr 1790 Solar Partial

28 Apr 1790 Total Lunar
14 May 1790 Solar Partial
8 Oct 1790 Solar Partial
23 Oct 1790 Total Lunar
6 Nov 1790 Solar Partial
3 Apr 1791 Solar Annular
18 Apr 1791 Partial Lunar
27 Sep 1791 Solar Total
12 Oct 1791 Partial Lunar
8 Mar 1792 Appulse Lunar
22 Mar 1792 Solar Annular
7 Apr 1792 Appulse Lunar
31 Aug 1792 Appulse Lunar
16 Sep 1792 Solar Annular
30 Sep 1792 Appulse Lunar
25 Feb 1793 Partial Lunar
12 Mar 1793 Solar Total
21 Aug 1793 Partial Lunar
5 Sep 1793 Solar Annular
31 Jan 1794 Solar Partial
14 Feb 1794 Total Lunar
1 Mar 1794 Solar Partial
26 Jul 1794 Solar Partial
11 Aug 1794 Total Lunar
25 Aug 1794 Solar Partial
21 Jan 1795 Solar Annular
4 Feb 1795 Partial Lunar
16 Jul 1795 Solar Total
31 Jul 1795 Partial Lunar
25 Dec 1795 Appulse Lunar
10 Jan 1796 Solar Annular
24 Jan 1796 Appulse Lunar
20 Jun 1796 Appulse Lunar
4 Jul 1796 Solar Total
14 Dec 1796 Partial Lunar
29 Dec 1796 Solar Annular
9 Jun 1797 Total Lunar
24 Jun 1797 Solar Total
4 Dec 1797 Total Lunar
18 Dec 1797 Solar Partial
15 May 1798 Solar Annular
29 May 1798 Total Lunar
8 Nov 1798 Solar Total
23 Nov 1798 Partial Lunar
19 Apr 1799 Appulse Lunar
5 May 1799 Solar Annular
19 May 1799 Appulse Lunar
28 Oct 1799 Solar Total
12 Nov 1799 Appulse Lunar
9 Apr 1800 Partial Lunar
24 Apr 1800 Solar Annular
2 Oct 1800 Partial Lunar
18 Oct 1800 Solar Total
14 Mar 1801 Solar Partial
30 Mar 1801 Total Lunar
13 Apr 1801 Solar Partial
8 Sep 1801 Solar Partial
22 Sep 1801 Total Lunar
7 Oct 1801 Solar Partial
4 Mar 1802 Solar Total
19 Mar 1802 Partial Lunar
28 Aug 1802 Solar Annular

11 Sep 1802 Partial Lunar
6 Feb 1803 Appulse Lunar
21 Feb 1803 Solar Total
8 Mar 1803 Appulse Lunar
3 Aug 1803 Appulse Lunar
17 Aug 1803 Solar Annular
1 Sep 1803 Appulse Lunar
26 Jan 1804 Partial Lunar
11 Feb 1804 Solar Hybrid
22 Jul 1804 Partial Lunar
5 Aug 1804 Solar Total
1 Jan 1805 Solar Partial
15 Jan 1805 Total Lunar
30 Jan 1805 Solar Partial
26 Jun 1805 Solar Partial
11 Jul 1805 Total Lunar
26 Jul 1805 Solar Partial
21 Dec 1805 Solar Annular
5 Jan 1806 Partial Lunar
16 Jun 1806 Solar Total
30 Jun 1806 Appulse Lunar
26 Nov 1806 Appulse Lunar
10 Dec 1806 Solar Annular
25 Dec 1806 Appulse Lunar
21 May 1807 Partial Lunar
6 Jun 1807 Solar Hybrid
15 Nov 1807 Partial Lunar
29 Nov 1807 Solar Hybrid
10 May 1808 Total Lunar
25 May 1808 Solar Partial
19 Oct 1808 Solar Partial
3 Nov 1808 Total Lunar
18 Nov 1808 Solar Partial
14 Apr 1809 Solar Annular
30 Apr 1809 Partial Lunar
9 Oct 1809 Solar Total
23 Oct 1809 Partial Lunar
21 Mar 1810 Appulse Lunar
4 Apr 1810 Solar Annular
19 Apr 1810 Appulse Lunar
13 Sep 1810 Appulse Lunar
28 Sep 1810 Solar Annular
12 Oct 1810 Appulse Lunar
10 Mar 1811 Partial Lunar
24 Mar 1811 Solar Total
2 Sep 1811 Partial Lunar
17 Sep 1811 Solar Annular
12 Feb 1812 Solar Partial
27 Feb 1812 Total Lunar
13 Mar 1812 Solar Partial
7 Aug 1812 Solar Partial
22 Aug 1812 Total Lunar
5 Sep 1812 Solar Partial
1 Feb 1813 Solar Annular
15 Feb 1813 Partial Lunar
27 Jul 1813 Solar Total
12 Aug 1813 Partial Lunar
6 Jan 1814 Appulse Lunar
21 Jan 1814 Solar Annular
4 Feb 1814 Appulse Lunar
2 Jul 1814 Appulse Lunar
17 Jul 1814 Solar Total

26 Dec 1814 Partial Lunar
10 Jan 1815 Solar Annular
21 Jun 1815 Total Lunar
6 Jul 1815 Solar Total
16 Dec 1815 Total Lunar
30 Dec 1815 Solar Partial
27 May 1816 Solar Annular
10 Jun 1816 Total Lunar
19 Nov 1816 Solar Total
4 Dec 1816 Partial Lunar
1 May 1817 Appulse Lunar
16 May 1817 Solar Annular
30 May 1817 Appulse Lunar
9 Nov 1817 Solar Total
23 Nov 1817 Appulse Lunar
21 Apr 1818 Partial Lunar
5 May 1818 Solar Annular
14 Oct 1818 Partial Lunar
29 Oct 1818 Solar Total
25 Mar 1819 Solar Partial
10 Apr 1819 Total Lunar
24 Apr 1819 Solar Partial
19 Sep 1819 Solar Partial
3 Oct 1819 Total Lunar
19 Oct 1819 Solar Partial
14 Mar 1820 Solar Total
29 Mar 1820 Partial Lunar
7 Sep 1820 Solar Annular
22 Sep 1820 Partial Lunar
17 Feb 1821 Appulse Lunar
4 Mar 1821 Solar Total
18 Mar 1821 Appulse Lunar
13 Aug 1821 Appulse Lunar
27 Aug 1821 Solar Annular
11 Sep 1821 Appulse Lunar
6 Feb 1822 Partial Lunar
21 Feb 1822 Solar Annular
3 Aug 1822 Partial Lunar
16 Aug 1822 Solar Total
12 Jan 1823 Solar Partial
26 Jan 1823 Total Lunar
11 Feb 1823 Solar Partial
8 Jul 1823 Solar Partial
23 Jul 1823 Total Lunar
6 Aug 1823 Solar Partial
1 Jan 1824 Solar Annular
16 Jan 1824 Partial Lunar
26 Jun 1824 Solar Total
11 Jul 1824 Partial Lunar
6 Dec 1824 Appulse Lunar
20 Dec 1824 Solar Annular
4 Jan 1825 Appulse Lunar
31 May 1825 Partial Lunar
16 Jun 1825 Solar Hybrid
25 Nov 1825 Partial Lunar
9 Dec 1825 Solar Hybrid
21 May 1826 Total Lunar
5 Jun 1826 Solar Partial
31 Oct 1826 Solar Partial
14 Nov 1826 Total Lunar
29 Nov 1826 Solar Partial
26 Apr 1827 Solar Annular

11 May 1827 Partial Lunar
20 Oct 1827 Solar Hybrid
3 Nov 1827 Partial Lunar
31 Mar 1828 Appulse Lunar
14 Apr 1828 Solar Hybrid
29 Apr 1828 Appulse Lunar
23 Sep 1828 Appulse Lunar
9 Oct 1828 Solar Annular
23 Oct 1828 Appulse Lunar
20 Mar 1829 Partial Lunar
3 Apr 1829 Solar Total
13 Sep 1829 Partial Lunar
28 Sep 1829 Solar Annular
23 Feb 1830 Solar Partial
9 Mar 1830 Total Lunar
24 Mar 1830 Solar Partial
18 Aug 1830 Solar Partial
2 Sep 1830 Total Lunar
17 Sep 1830 Solar Partial
12 Feb 1831 Solar Annular
26 Feb 1831 Partial Lunar
7 Aug 1831 Solar Total
23 Aug 1831 Partial Lunar
17 Jan 1832 Appulse Lunar
1 Feb 1832 Solar Annular
16 Feb 1832 Appulse Lunar
12 Jul 1832 Appulse Lunar
27 Jul 1832 Solar Total
11 Aug 1832 Appulse Lunar
6 Jan 1833 Partial Lunar
20 Jan 1833 Solar Annular
2 Jul 1833 Partial Lunar
17 Jul 1833 Solar Total
26 Dec 1833 Total Lunar
9 Jan 1834 Solar Partial
7 Jun 1834 Solar Partial
21 Jun 1834 Total Lunar
30 Nov 1834 Solar Total
16 Dec 1834 Partial Lunar
12 May 1835 Appulse Lunar
27 May 1835 Solar Annular
10 Jun 1835 Partial Lunar
20 Nov 1835 Solar Total
5 Dec 1835 Appulse Lunar
1 May 1836 Partial Lunar
15 May 1836 Solar Annular
24 Oct 1836 Partial Lunar
9 Nov 1836 Solar Total
5 Apr 1837 Solar Partial
20 Apr 1837 Total Lunar
4 May 1837 Solar Partial
13 Oct 1837 Total Lunar
29 Oct 1837 Solar Partial
25 Mar 1838 Solar Total
10 Apr 1838 Partial Lunar
18 Sep 1838 Solar Annular
3 Oct 1838 Partial Lunar
28 Feb 1839 Appulse Lunar
15 Mar 1839 Solar Total
30 Mar 1839 Appulse Lunar
24 Aug 1839 Appulse Lunar
7 Sep 1839 Solar Annular

23 Sep 1839 Appulse Lunar
17 Feb 1840 Partial Lunar
4 Mar 1840 Solar Annular
13 Aug 1840 Partial Lunar
27 Aug 1840 Solar Total
22 Jan 1841 Solar Partial
6 Feb 1841 Total Lunar
21 Feb 1841 Solar Partial
18 Jul 1841 Solar Partial
2 Aug 1841 Total Lunar
16 Aug 1841 Solar Partial
11 Jan 1842 Solar Annular
26 Jan 1842 Partial Lunar
8 Jul 1842 Solar Total
22 Jul 1842 Partial Lunar
17 Dec 1842 Appulse Lunar
31 Dec 1842 Solar Annular
16 Jan 1843 Appulse Lunar
12 Jun 1843 Appulse Lunar
27 Jun 1843 Solar Hybrid
11 Jul 1843 Appulse Lunar
7 Dec 1843 Partial Lunar
21 Dec 1843 Solar Total
31 May 1844 Total Lunar
16 Jun 1844 Solar Partial
10 Nov 1844 Solar Partial
24 Nov 1844 Total Lunar
9 Dec 1844 Solar Partial
6 May 1845 Solar Annular
21 May 1845 Total Lunar
30 Oct 1845 Solar Hybrid
14 Nov 1845 Partial Lunar
11 Apr 1846 Appulse Lunar
25 Apr 1846 Solar Hybrid
11 May 1846 Appulse Lunar
4 Oct 1846 Appulse Lunar
20 Oct 1846 Solar Annular
3 Nov 1846 Appulse Lunar
31 Mar 1847 Partial Lunar
15 Apr 1847 Solar Total
24 Sep 1847 Partial Lunar
9 Oct 1847 Solar Annular
5 Mar 1848 Solar Partial
19 Mar 1848 Total Lunar
3 Apr 1848 Solar Partial
28 Aug 1848 Solar Partial
13 Sep 1848 Total Lunar
27 Sep 1848 Solar Partial
23 Feb 1849 Solar Annular
9 Mar 1849 Partial Lunar
18 Aug 1849 Solar Total
2 Sep 1849 Partial Lunar
28 Jan 1850 Appulse Lunar
12 Feb 1850 Solar Annular
26 Feb 1850 Appulse Lunar
24 Jul 1850 Appulse Lunar
7 Aug 1850 Solar Total
22 Aug 1850 Appulse Lunar
17 Jan 1851 Partial Lunar
1 Feb 1851 Solar Annular
13 Jul 1851 Partial Lunar
28 Jul 1851 Solar Total

7 Jan 1852 Total Lunar
21 Jan 1852 Solar Partial
17 Jun 1852 Solar Partial
1 Jul 1852 Total Lunar
11 Dec 1852 Solar Total
26 Dec 1852 Partial Lunar
6 Jun 1853 Solar Annular
21 Jun 1853 Partial Lunar
30 Nov 1853 Solar Total
15 Dec 1853 Appulse Lunar
12 May 1854 Partial Lunar
26 May 1854 Solar Annular
4 Nov 1854 Partial Lunar
20 Nov 1854 Solar Hybrid
2 May 1855 Total Lunar
16 May 1855 Solar Partial
25 Oct 1855 Total Lunar
9 Nov 1855 Solar Partial
5 Apr 1856 Solar Total
20 Apr 1856 Partial Lunar
29 Sep 1856 Solar Annular
13 Oct 1856 Total Lunar
25 Mar 1857 Solar Total
9 Apr 1857 Appulse Lunar
4 Sep 1857 Appulse Lunar
18 Sep 1857 Solar Annular
3 Oct 1857 Appulse Lunar
27 Feb 1858 Partial Lunar
15 Mar 1858 Solar Annular
24 Aug 1858 Partial Lunar
7 Sep 1858 Solar Total
3 Feb 1859 Solar Partial
17 Feb 1859 Total Lunar
4 Mar 1859 Solar Partial
29 Jul 1859 Solar Partial
13 Aug 1859 Total Lunar
28 Aug 1859 Solar Partial
23 Jan 1860 Solar Annular
7 Feb 1860 Partial Lunar
18 Jul 1860 Solar Total
1 Aug 1860 Partial Lunar
28 Dec 1860 Appulse Lunar
11 Jan 1861 Solar Annular
26 Jan 1861 Appulse Lunar
22 Jun 1861 Appulse Lunar
8 Jul 1861 Solar Annular
22 Jul 1861 Appulse Lunar
17 Dec 1861 Partial Lunar
31 Dec 1861 Solar Total
12 Jun 1862 Total Lunar
27 Jun 1862 Solar Partial
21 Nov 1862 Solar Partial
6 Dec 1862 Total Lunar
21 Dec 1862 Solar Partial
17 May 1863 Solar Partial
1 Jun 1863 Total Lunar
11 Nov 1863 Solar Annular
25 Nov 1863 Partial Lunar
22 Apr 1864 Appulse Lunar
6 May 1864 Solar Hybrid
21 May 1864 Appulse Lunar
15 Oct 1864 Appulse Lunar

30 Oct 1864 Solar Annular
13 Nov 1864 Appulse Lunar
11 Apr 1865 Partial Lunar
25 Apr 1865 Solar Total
4 Oct 1865 Partial Lunar
19 Oct 1865 Solar Annular
16 Mar 1866 Solar Partial
31 Mar 1866 Total Lunar
15 Apr 1866 Solar Partial
24 Sep 1866 Total Lunar
8 Oct 1866 Solar Partial
6 Mar 1867 Solar Annular
20 Mar 1867 Partial Lunar
29 Aug 1867 Solar Total
14 Sep 1867 Partial Lunar
8 Feb 1868 Appulse Lunar
23 Feb 1868 Solar Annular
8 Mar 1868 Appulse Lunar
3 Aug 1868 Appulse Lunar
18 Aug 1868 Solar Total
2 Sep 1868 Appulse Lunar
28 Jan 1869 Partial Lunar
11 Feb 1869 Solar Annular
23 Jul 1869 Partial Lunar
7 Aug 1869 Solar Total
17 Jan 1870 Total Lunar
31 Jan 1870 Solar Partial
28 Jun 1870 Solar Partial
12 Jul 1870 Total Lunar
28 Jul 1870 Solar Partial
22 Dec 1870 Solar Total
6 Jan 1871 Partial Lunar
18 Jun 1871 Solar Annular
2 Jul 1871 Partial Lunar
12 Dec 1871 Solar Total
26 Dec 1871 Appulse Lunar
22 May 1872 Partial Lunar
6 Jun 1872 Solar Annular
21 Jun 1872 Appulse Lunar
15 Nov 1872 Partial Lunar
30 Nov 1872 Solar Hybrid
12 May 1873 Total Lunar
26 May 1873 Solar Partial
4 Nov 1873 Total Lunar
20 Nov 1873 Solar Partial
16 Apr 1874 Solar Total
1 May 1874 Partial Lunar
10 Oct 1874 Solar Annular
25 Oct 1874 Total Lunar
6 Apr 1875 Solar Total
20 Apr 1875 Appulse Lunar
15 Sep 1875 Appulse Lunar
29 Sep 1875 Solar Annular
14 Oct 1875 Appulse Lunar
10 Mar 1876 Partial Lunar
25 Mar 1876 Solar Annular
3 Sep 1876 Partial Lunar
17 Sep 1876 Solar Total
27 Feb 1877 Total Lunar
15 Mar 1877 Solar Partial
9 Aug 1877 Solar Partial
23 Aug 1877 Total Lunar

7 Sep 1877 Solar Partial
2 Feb 1878 Solar Annular
17 Feb 1878 Partial Lunar
29 Jul 1878 Solar Total
13 Aug 1878 Partial Lunar
8 Jan 1879 Appulse Lunar
22 Jan 1879 Solar Annular
7 Feb 1879 Appulse Lunar
3 Jul 1879 Appulse Lunar
19 Jul 1879 Solar Annular
2 Aug 1879 Appulse Lunar
28 Dec 1879 Partial Lunar
11 Jan 1880 Solar Total
22 Jun 1880 Total Lunar
7 Jul 1880 Solar Annular
2 Dec 1880 Solar Partial
16 Dec 1880 Total Lunar
31 Dec 1880 Solar Partial
27 May 1881 Solar Partial
12 Jun 1881 Total Lunar
21 Nov 1881 Solar Annular
5 Dec 1881 Partial Lunar
17 May 1882 Solar Total
1 Jun 1882 Appulse Lunar
26 Oct 1882 Appulse Lunar
10 Nov 1882 Solar Annular
25 Nov 1882 Appulse Lunar
22 Apr 1883 Partial Lunar
6 May 1883 Solar Total
16 Oct 1883 Partial Lunar
30 Oct 1883 Solar Annular
27 Mar 1884 Solar Partial
10 Apr 1884 Total Lunar
25 Apr 1884 Solar Partial
4 Oct 1884 Total Lunar
19 Oct 1884 Solar Partial
16 Mar 1885 Solar Annular
30 Mar 1885 Partial Lunar
8 Sep 1885 Solar Total
24 Sep 1885 Partial Lunar
18 Feb 1886 Appulse Lunar
5 Mar 1886 Solar Annular
20 Mar 1886 Appulse Lunar
14 Aug 1886 Appulse Lunar
29 Aug 1886 Solar Total
13 Sep 1886 Appulse Lunar
8 Feb 1887 Partial Lunar
22 Feb 1887 Solar Annular
3 Aug 1887 Partial Lunar
19 Aug 1887 Solar Total
28 Jan 1888 Total Lunar
11 Feb 1888 Solar Partial
9 Jul 1888 Solar Partial
23 Jul 1888 Total Lunar
7 Aug 1888 Solar Partial
1 Jan 1889 Solar Total
17 Jan 1889 Partial Lunar
28 Jun 1889 Solar Annular
12 Jul 1889 Partial Lunar
22 Dec 1889 Solar Total
6 Jan 1890 Appulse Lunar
3 Jun 1890 Appulse Lunar

17 Jun 1890 Solar Annular
2 Jul 1890 Appulse Lunar
26 Nov 1890 Partial Lunar
12 Dec 1890 Solar Hybrid
23 May 1891 Total Lunar
6 Jun 1891 Solar Annular
16 Nov 1891 Total Lunar
1 Dec 1891 Solar Partial
26 Apr 1892 Solar Total
11 May 1892 Partial Lunar
20 Oct 1892 Solar Partial
4 Nov 1892 Total Lunar
16 Apr 1893 Solar Total
30 Apr 1893 Appulse Lunar
25 Sep 1893 Appulse Lunar
9 Oct 1893 Solar Annular
25 Oct 1893 Appulse Lunar
21 Mar 1894 Partial Lunar
6 Apr 1894 Solar Hybrid
15 Sep 1894 Partial Lunar
29 Sep 1894 Solar Total
11 Mar 1895 Total Lunar
26 Mar 1895 Solar Partial
20 Aug 1895 Solar Partial
4 Sep 1895 Total Lunar
18 Sep 1895 Solar Partial
13 Feb 1896 Solar Annular
28 Feb 1896 Partial Lunar
9 Aug 1896 Solar Total
23 Aug 1896 Partial Lunar
18 Jan 1897 Appulse Lunar
1 Feb 1897 Solar Annular
17 Feb 1897 Appulse Lunar
14 Jul 1897 Appulse Lunar
29 Jul 1897 Solar Annular
12 Aug 1897 Appulse Lunar
8 Jan 1898 Partial Lunar
22 Jan 1898 Solar Total
3 Jul 1898 Partial Lunar
18 Jul 1898 Solar Annular
13 Dec 1898 Solar Partial
27 Dec 1898 Total Lunar
11 Jan 1899 Solar Partial
8 Jun 1899 Solar Partial
23 Jun 1899 Total Lunar
3 Dec 1899 Solar Annular
17 Dec 1899 Partial Lunar
28 May 1900 Solar Total
13 Jun 1900 Partial Lunar
22 Nov 1900 Solar Annular
6 Dec 1900 Appulse Lunar
3 May 1901 Appulse Lunar
18 May 1901 Solar Total
27 Oct 1901 Partial Lunar
11 Nov 1901 Solar Annular
8 Apr 1902 Solar Partial
22 Apr 1902 Total Lunar
7 May 1902 Solar Partial
17 Oct 1902 Total Lunar
31 Oct 1902 Solar Partial
29 Mar 1903 Solar Annular
12 Apr 1903 Partial Lunar

21 Sep 1903 Solar Total
6 Oct 1903 Partial Lunar
2 Mar 1904 Appulse Lunar
17 Mar 1904 Solar Annular
31 Mar 1904 Appulse Lunar
9 Sep 1904 Solar Total
24 Sep 1904 Appulse Lunar
19 Feb 1905 Partial Lunar
6 Mar 1905 Solar Annular
15 Aug 1905 Partial Lunar
30 Aug 1905 Solar Total
9 Feb 1906 Total Lunar
23 Feb 1906 Solar Partial
21 Jul 1906 Solar Partial
4 Aug 1906 Total Lunar
20 Aug 1906 Solar Partial
14 Jan 1907 Solar Total
29 Jan 1907 Partial Lunar
10 Jul 1907 Solar Annular
25 Jul 1907 Partial Lunar
3 Jan 1908 Solar Total
18 Jan 1908 Appulse Lunar
14 Jun 1908 Appulse Lunar
28 Jun 1908 Solar Annular
13 Jul 1908 Appulse Lunar
7 Dec 1908 Appulse Lunar
23 Dec 1908 Solar Hybrid
4 Jun 1909 Total Lunar
17 Jun 1909 Solar Hybrid
27 Nov 1909 Total Lunar
12 Dec 1909 Solar Partial
9 May 1910 Solar Total
24 May 1910 Total Lunar
2 Nov 1910 Solar Partial
17 Nov 1910 Total Lunar
28 Apr 1911 Solar Total
13 May 1911 Appulse Lunar
22 Oct 1911 Solar Annular
6 Nov 1911 Appulse Lunar
1 Apr 1912 Partial Lunar
17 Apr 1912 Solar Hybrid
26 Sep 1912 Partial Lunar
10 Oct 1912 Solar Total
22 Mar 1913 Total Lunar
6 Apr 1913 Solar Partial
31 Aug 1913 Solar Partial
15 Sep 1913 Total Lunar
30 Sep 1913 Solar Partial
25 Feb 1914 Solar Annular
12 Mar 1914 Partial Lunar
21 Aug 1914 Solar Total
4 Sep 1914 Partial Lunar
31 Jan 1915 Appulse Lunar
14 Feb 1915 Solar Annular
1 Mar 1915 Appulse Lunar
26 Jul 1915 Appulse Lunar
10 Aug 1915 Solar Annular
24 Aug 1915 Appulse Lunar
20 Jan 1916 Partial Lunar
3 Feb 1916 Solar Total
15 Jul 1916 Partial Lunar
30 Jul 1916 Solar Annular

24 Dec 1916 Solar Partial
8 Jan 1917 Total Lunar
23 Jan 1917 Solar Partial
19 Jun 1917 Solar Partial
4 Jul 1917 Total Lunar
19 Jul 1917 Solar Partial
14 Dec 1917 Solar Annular
28 Dec 1917 Total Lunar
8 Jun 1918 Solar Total
24 Jun 1918 Partial Lunar
3 Dec 1918 Solar Annular
17 Dec 1918 Appulse Lunar
15 May 1919 Appulse Lunar
29 May 1919 Solar Total
7 Nov 1919 Partial Lunar
22 Nov 1919 Solar Annular
3 May 1920 Total Lunar
18 May 1920 Solar Partial
27 Oct 1920 Total Lunar
10 Nov 1920 Solar Partial
8 Apr 1921 Solar Annular
22 Apr 1921 Total Lunar
1 Oct 1921 Solar Total
16 Oct 1921 Partial Lunar
13 Mar 1922 Appulse Lunar
28 Mar 1922 Solar Annular
11 Apr 1922 Appulse Lunar
21 Sep 1922 Solar Total
6 Oct 1922 Appulse Lunar
3 Mar 1923 Partial Lunar
17 Mar 1923 Solar Annular
26 Aug 1923 Partial Lunar
10 Sep 1923 Solar Total
20 Feb 1924 Total Lunar
5 Mar 1924 Solar Partial
31 Jul 1924 Solar Partial
14 Aug 1924 Total Lunar
30 Aug 1924 Solar Partial
24 Jan 1925 Solar Total
8 Feb 1925 Partial Lunar
20 Jul 1925 Solar Annular
4 Aug 1925 Partial Lunar
14 Jan 1926 Solar Total
28 Jan 1926 Appulse Lunar
25 Jun 1926 Appulse Lunar
9 Jul 1926 Solar Annular
25 Jul 1926 Appulse Lunar
19 Dec 1926 Appulse Lunar
3 Jan 1927 Solar Annular
15 Jun 1927 Total Lunar
29 Jun 1927 Solar Total
8 Dec 1927 Total Lunar
24 Dec 1927 Solar Partial
19 May 1928 Solar Total
3 Jun 1928 Total Lunar
17 Jun 1928 Solar Partial
12 Nov 1928 Solar Partial
27 Nov 1928 Total Lunar
9 May 1929 Solar Total
23 May 1929 Appulse Lunar
1 Nov 1929 Solar Annular
17 Nov 1929 Appulse Lunar

13 Apr 1930 Partial Lunar
28 Apr 1930 Solar Hybrid
7 Oct 1930 Partial Lunar
21 Oct 1930 Solar Total
2 Apr 1931 Total Lunar
18 Apr 1931 Solar Partial
12 Sep 1931 Solar Partial
26 Sep 1931 Total Lunar
11 Oct 1931 Solar Partial
7 Mar 1932 Solar Annular
22 Mar 1932 Partial Lunar
31 Aug 1932 Solar Total
14 Sep 1932 Partial Lunar
10 Feb 1933 Appulse Lunar
24 Feb 1933 Solar Annular
12 Mar 1933 Appulse Lunar
5 Aug 1933 Appulse Lunar
21 Aug 1933 Solar Annular
4 Sep 1933 Appulse Lunar
30 Jan 1934 Partial Lunar
14 Feb 1934 Solar Total
26 Jul 1934 Partial Lunar
10 Aug 1934 Solar Annular
5 Jan 1935 Solar Partial
19 Jan 1935 Total Lunar
3 Feb 1935 Solar Partial
30 Jun 1935 Solar Partial
16 Jul 1935 Total Lunar
30 Jul 1935 Solar Partial
25 Dec 1935 Solar Annular
8 Jan 1936 Total Lunar
19 Jun 1936 Solar Total
4 Jul 1936 Partial Lunar
13 Dec 1936 Solar Annular
28 Dec 1936 Appulse Lunar
25 May 1937 Appulse Lunar
8 Jun 1937 Solar Total
18 Nov 1937 Partial Lunar
2 Dec 1937 Solar Annular
14 May 1938 Total Lunar
29 May 1938 Solar Total
7 Nov 1938 Total Lunar
22 Nov 1938 Solar Partial
19 Apr 1939 Solar Annular
3 May 1939 Total Lunar
12 Oct 1939 Solar Total
28 Oct 1939 Partial Lunar
23 Mar 1940 Appulse Lunar
7 Apr 1940 Solar Annular
22 Apr 1940 Appulse Lunar
1 Oct 1940 Solar Total
16 Oct 1940 Appulse Lunar
13 Mar 1941 Partial Lunar
27 Mar 1941 Solar Annular
5 Sep 1941 Partial Lunar
21 Sep 1941 Solar Total
3 Mar 1942 Total Lunar
16 Mar 1942 Solar Partial
12 Aug 1942 Solar Partial
26 Aug 1942 Total Lunar
10 Sep 1942 Solar Partial
4 Feb 1943 Solar Total

20 Feb 1943 Partial Lunar
1 Aug 1943 Solar Annular
15 Aug 1943 Partial Lunar
25 Jan 1944 Solar Total
9 Feb 1944 Appulse Lunar
6 Jul 1944 Appulse Lunar
20 Jul 1944 Solar Annular
4 Aug 1944 Appulse Lunar
29 Dec 1944 Appulse Lunar
14 Jan 1945 Solar Annular
25 Jun 1945 Partial Lunar
9 Jul 1945 Solar Total
19 Dec 1945 Total Lunar
3 Jan 1946 Solar Partial
30 May 1946 Solar Partial
14 Jun 1946 Total Lunar
29 Jun 1946 Solar Partial
23 Nov 1946 Solar Partial
8 Dec 1946 Total Lunar
20 May 1947 Solar Total
3 Jun 1947 Partial Lunar
12 Nov 1947 Solar Annular
28 Nov 1947 Appulse Lunar
23 Apr 1948 Partial Lunar
9 May 1948 Solar Annular
18 Oct 1948 Appulse Lunar
1 Nov 1948 Solar Total
13 Apr 1949 Total Lunar
28 Apr 1949 Solar Partial
7 Oct 1949 Total Lunar
21 Oct 1949 Solar Partial
18 Mar 1950 Solar Annular
2 Apr 1950 Total Lunar
12 Sep 1950 Solar Total
26 Sep 1950 Total Lunar
21 Feb 1951 Appulse Lunar
7 Mar 1951 Solar Annular
23 Mar 1951 Appulse Lunar
17 Aug 1951 Appulse Lunar
1 Sep 1951 Solar Annular
15 Sep 1951 Appulse Lunar
11 Feb 1952 Partial Lunar
25 Feb 1952 Solar Total
5 Aug 1952 Partial Lunar
20 Aug 1952 Solar Annular
29 Jan 1953 Total Lunar
14 Feb 1953 Solar Partial
11 Jul 1953 Solar Partial
26 Jul 1953 Total Lunar
9 Aug 1953 Solar Partial
5 Jan 1954 Solar Annular
19 Jan 1954 Total Lunar
30 Jun 1954 Solar Total
16 Jul 1954 Partial Lunar
25 Dec 1954 Solar Annular
8 Jan 1955 Appulse Lunar
5 Jun 1955 Appulse Lunar
20 Jun 1955 Solar Total
29 Nov 1955 Partial Lunar
14 Dec 1955 Solar Annular
24 May 1956 Partial Lunar
8 Jun 1956 Solar Total

18 Nov 1956 Total Lunar
2 Dec 1956 Solar Partial
29 Apr 1957 Solar Annular
13 May 1957 Total Lunar
23 Oct 1957 Solar Total
7 Nov 1957 Total Lunar
4 Apr 1958 Appulse Lunar
19 Apr 1958 Solar Annular
3 May 1958 Partial Lunar
12 Oct 1958 Solar Total
27 Oct 1958 Appulse Lunar
24 Mar 1959 Partial Lunar
8 Apr 1959 Solar Annular
17 Sep 1959 Appulse Lunar
2 Oct 1959 Solar Total
13 Mar 1960 Total Lunar
27 Mar 1960 Solar Partial
5 Sep 1960 Total Lunar
20 Sep 1960 Solar Partial
15 Feb 1961 Solar Total
2 Mar 1961 Partial Lunar
11 Aug 1961 Solar Annular
26 Aug 1961 Partial Lunar
5 Feb 1962 Solar Total
19 Feb 1962 Appulse Lunar
17 Jul 1962 Appulse Lunar
31 Jul 1962 Solar Annular
15 Aug 1962 Appulse Lunar
9 Jan 1963 Appulse Lunar
25 Jan 1963 Solar Annular
6 Jul 1963 Partial Lunar
20 Jul 1963 Solar Total
30 Dec 1963 Total Lunar
14 Jan 1964 Solar Partial
10 Jun 1964 Solar Partial
25 Jun 1964 Total Lunar
9 Jul 1964 Solar Partial
4 Dec 1964 Solar Partial
19 Dec 1964 Total Lunar
30 May 1965 Solar Total
14 Jun 1965 Partial Lunar
23 Nov 1965 Solar Annular
8 Dec 1965 Appulse Lunar
4 May 1966 Appulse Lunar
20 May 1966 Solar Annular
29 Oct 1966 Appulse Lunar
12 Nov 1966 Solar Total
24 Apr 1967 Total Lunar
9 May 1967 Solar Partial
18 Oct 1967 Total Lunar
2 Nov 1967 Solar Total
28 Mar 1968 Solar Partial
13 Apr 1968 Total Lunar
22 Sep 1968 Solar Total
6 Oct 1968 Total Lunar
18 Mar 1969 Solar Annular
2 Apr 1969 Appulse Lunar
27 Aug 1969 Appulse Lunar
11 Sep 1969 Solar Annular
25 Sep 1969 Appulse Lunar
21 Feb 1970 Partial Lunar
7 Mar 1970 Solar Total

17 Aug 1970 Partial Lunar
31 Aug 1970 Solar Annular
10 Feb 1971 Total Lunar
25 Feb 1971 Solar Partial
22 Jul 1971 Solar Partial
6 Aug 1971 Total Lunar
20 Aug 1971 Solar Partial
16 Jan 1972 Solar Annular
30 Jan 1972 Total Lunar
10 Jul 1972 Solar Total
26 Jul 1972 Partial Lunar
4 Jan 1973 Solar Annular
18 Jan 1973 Appulse Lunar
15 Jun 1973 Appulse Lunar
30 Jun 1973 Solar Total
15 Jul 1973 Appulse Lunar
10 Dec 1973 Partial Lunar
24 Dec 1973 Solar Annular
4 Jun 1974 Partial Lunar
20 Jun 1974 Solar Total
29 Nov 1974 Total Lunar
13 Dec 1974 Solar Partial
11 May 1975 Solar Partial
25 May 1975 Total Lunar
3 Nov 1975 Solar Partial
18 Nov 1975 Total Lunar
29 Apr 1976 Solar Annular
13 May 1976 Partial Lunar
23 Oct 1976 Solar Total
6 Nov 1976 Appulse Lunar
4 Apr 1977 Partial Lunar
18 Apr 1977 Solar Annular
27 Sep 1977 Appulse Lunar
12 Oct 1977 Solar Total
24 Mar 1978 Total Lunar
7 Apr 1978 Solar Partial
16 Sep 1978 Total Lunar
2 Oct 1978 Solar Partial
26 Feb 1979 Solar Total
13 Mar 1979 Partial Lunar
22 Aug 1979 Solar Annular
6 Sep 1979 Total Lunar
16 Feb 1980 Solar Total
1 Mar 1980 Appulse Lunar
27 Jul 1980 Appulse Lunar
10 Aug 1980 Solar Annular
26 Aug 1980 Appulse Lunar
20 Jan 1981 Appulse Lunar
4 Feb 1981 Solar Annular
17 Jul 1981 Partial Lunar
31 Jul 1981 Solar Total
9 Jan 1982 Total Lunar
25 Jan 1982 Solar Partial
21 Jun 1982 Solar Partial
6 Jul 1982 Total Lunar
20 Jul 1982 Solar Partial
15 Dec 1982 Solar Partial
30 Dec 1982 Total Lunar
11 Jun 1983 Solar Total
25 Jun 1983 Partial Lunar
4 Dec 1983 Solar Annular
20 Dec 1983 Appulse Lunar

15 May 1984 Appulse Lunar
30 May 1984 Solar Annular
13 Jun 1984 Appulse Lunar
8 Nov 1984 Appulse Lunar
22 Nov 1984 Solar Total
4 May 1985 Total Lunar
19 May 1985 Solar Partial
28 Oct 1985 Total Lunar
12 Nov 1985 Solar Total
9 Apr 1986 Solar Partial
24 Apr 1986 Total Lunar
3 Oct 1986 Solar Hybrid
17 Oct 1986 Total Lunar
29 Mar 1987 Solar Hybrid
14 Apr 1987 Appulse Lunar
23 Sep 1987 Solar Annular
7 Oct 1987 Appulse Lunar
3 Mar 1988 Partial Lunar
18 Mar 1988 Solar Total
27 Aug 1988 Partial Lunar
11 Sep 1988 Solar Annular
20 Feb 1989 Total Lunar
7 Mar 1989 Solar Partial
17 Aug 1989 Total Lunar
31 Aug 1989 Solar Partial
26 Jan 1990 Solar Annular
9 Feb 1990 Total Lunar
22 Jul 1990 Solar Total
6 Aug 1990 Partial Lunar
15 Jan 1991 Solar Annular
30 Jan 1991 Appulse Lunar
27 Jun 1991 Appulse Lunar
11 Jul 1991 Solar Total
26 Jul 1991 Appulse Lunar
21 Dec 1991 Partial Lunar
4 Jan 1992 Solar Annular
15 Jun 1992 Partial Lunar
30 Jun 1992 Solar Total
9 Dec 1992 Total Lunar
24 Dec 1992 Solar Partial
21 May 1993 Solar Partial
4 Jun 1993 Total Lunar
13 Nov 1993 Solar Partial
29 Nov 1993 Total Lunar
10 May 1994 Solar Annular
25 May 1994 Partial Lunar
3 Nov 1994 Solar Total
18 Nov 1994 Appulse Lunar
15 Apr 1995 Partial Lunar
29 Apr 1995 Solar Annular
8 Oct 1995 Appulse Lunar
24 Oct 1995 Solar Total
4 Apr 1996 Total Lunar
17 Apr 1996 Solar Partial
27 Sep 1996 Total Lunar
12 Oct 1996 Solar Partial
9 Mar 1997 Solar Total
24 Mar 1997 Partial Lunar
1 Sep 1997 Solar Partial
16 Sep 1997 Total Lunar
26 Feb 1998 Solar Total
13 Mar 1998 Appulse Lunar

8 Aug 1998 Appulse Lunar
22 Aug 1998 Solar Annular
6 Sep 1998 Appulse Lunar
31 Jan 1999 Appulse Lunar
16 Feb 1999 Solar Annular
28 Jul 1999 Partial Lunar
11 Aug 1999 Solar Total
21 Jan 2000 Total Lunar
5 Feb 2000 Solar Partial
1 Jul 2000 Solar Partial
16 Jul 2000 Total Lunar
31 Jul 2000 Solar Partial
25 Dec 2000 Solar Partial
9 Jan 2001 Total Lunar
21 Jun 2001 Solar Total
5 Jul 2001 Partial Lunar
14 Dec 2001 Solar Annular
30 Dec 2001 Appulse Lunar
26 May 2002 Appulse Lunar
10 Jun 2002 Solar Annular
24 Jun 2002 Appulse Lunar
20 Nov 2002 Appulse Lunar
4 Dec 2002 Solar Total
16 May 2003 Total Lunar
31 May 2003 Solar Annular
9 Nov 2003 Total Lunar
23 Nov 2003 Solar Total
19 Apr 2004 Solar Partial
4 May 2004 Total Lunar
14 Oct 2004 Solar Partial
28 Oct 2004 Total Lunar
8 Apr 2005 Solar Hybrid
24 Apr 2005 Appulse Lunar
3 Oct 2005 Solar Annular
17 Oct 2005 Partial Lunar
14 Mar 2006 Appulse Lunar
29 Mar 2006 Solar Total
7 Sep 2006 Partial Lunar
22 Sep 2006 Solar Annular
3 Mar 2007 Total Lunar
19 Mar 2007 Solar Partial
28 Aug 2007 Total Lunar
11 Sep 2007 Solar Partial
7 Feb 2008 Solar Annular
21 Feb 2008 Total Lunar
1 Aug 2008 Solar Total
16 Aug 2008 Partial Lunar
26 Jan 2009 Solar Annular
9 Feb 2009 Appulse Lunar
7 Jul 2009 Appulse Lunar
22 Jul 2009 Solar Total
6 Aug 2009 Appulse Lunar
31 Dec 2009 Partial Lunar
15 Jan 2010 Solar Annular
26 Jun 2010 Partial Lunar
11 Jul 2010 Solar Total
21 Dec 2010 Total Lunar
4 Jan 2011 Solar Partial
1 Jun 2011 Solar Partial
15 Jun 2011 Total Lunar
1 Jul 2011 Solar Partial
25 Nov 2011 Solar Partial

10 Dec 2011 Total Lunar
20 May 2012 Solar Annular
4 Jun 2012 Partial Lunar
13 Nov 2012 Solar Total
28 Nov 2012 Appulse Lunar
25 Apr 2013 Partial Lunar
10 May 2013 Solar Annular
25 May 2013 Appulse Lunar
18 Oct 2013 Appulse Lunar
3 Nov 2013 Solar Hybrid
15 Apr 2014 Total Lunar
29 Apr 2014 Solar Annular
8 Oct 2014 Total Lunar
23 Oct 2014 Solar Partial
20 Mar 2015 Solar Total
4 Apr 2015 Total Lunar
13 Sep 2015 Solar Partial
28 Sep 2015 Total Lunar
9 Mar 2016 Solar Total
23 Mar 2016 Appulse Lunar
18 Aug 2016 Appulse Lunar
1 Sep 2016 Solar Annular
16 Sep 2016 Appulse Lunar
11 Feb 2017 Appulse Lunar
26 Feb 2017 Solar Annular
7 Aug 2017 Partial Lunar
21 Aug 2017 Solar Total
31 Jan 2018 Total Lunar
15 Feb 2018 Solar Partial
13 Jul 2018 Solar Partial
27 Jul 2018 Total Lunar
11 Aug 2018 Solar Partial
6 Jan 2019 Solar Partial
21 Jan 2019 Total Lunar
2 Jul 2019 Solar Total
16 Jul 2019 Partial Lunar
26 Dec 2019 Solar Annular
10 Jan 2020 Appulse Lunar
5 Jun 2020 Appulse Lunar
21 Jun 2020 Solar Annular
5 Jul 2020 Appulse Lunar
30 Nov 2020 Appulse Lunar
14 Dec 2020 Solar Total
26 May 2021 Total Lunar
10 Jun 2021 Solar Annular
19 Nov 2021 Partial Lunar
4 Dec 2021 Solar Total
30 Apr 2022 Solar Partial
16 May 2022 Total Lunar
25 Oct 2022 Solar Partial
8 Nov 2022 Total Lunar
20 Apr 2023 Solar Hybrid
5 May 2023 Appulse Lunar
14 Oct 2023 Solar Annular
28 Oct 2023 Partial Lunar
25 Mar 2024 Appulse Lunar
8 Apr 2024 Solar Total
18 Sep 2024 Partial Lunar
2 Oct 2024 Solar Annular
14 Mar 2025 Total Lunar
29 Mar 2025 Solar Partial
7 Sep 2025 Total Lunar

21 Sep 2025 Solar Partial
17 Feb 2026 Solar Annular
3 Mar 2026 Total Lunar
12 Aug 2026 Solar Total
28 Aug 2026 Partial Lunar
6 Feb 2027 Solar Annular
20 Feb 2027 Appulse Lunar
18 Jul 2027 Appulse Lunar
2 Aug 2027 Solar Total
17 Aug 2027 Appulse Lunar
12 Jan 2028 Partial Lunar
26 Jan 2028 Solar Annular
6 Jul 2028 Partial Lunar
22 Jul 2028 Solar Total
31 Dec 2028 Total Lunar
14 Jan 2029 Solar Partial
12 Jun 2029 Solar Partial
26 Jun 2029 Total Lunar
11 Jul 2029 Solar Partial
5 Dec 2029 Solar Partial
20 Dec 2029 Total Lunar
1 Jun 2030 Solar Annular
15 Jun 2030 Partial Lunar
25 Nov 2030 Solar Total
9 Dec 2030 Appulse Lunar
7 May 2031 Appulse Lunar
21 May 2031 Solar Annular
5 Jun 2031 Appulse Lunar
30 Oct 2031 Appulse Lunar
14 Nov 2031 Solar Hybrid
25 Apr 2032 Total Lunar
9 May 2032 Solar Annular
18 Oct 2032 Total Lunar
3 Nov 2032 Solar Partial
30 Mar 2033 Solar Total
14 Apr 2033 Total Lunar
23 Sep 2033 Solar Partial
8 Oct 2033 Total Lunar
20 Mar 2034 Solar Total
3 Apr 2034 Appulse Lunar
12 Sep 2034 Solar Annular
28 Sep 2034 Partial Lunar
22 Feb 2035 Appulse Lunar
9 Mar 2035 Solar Annular
19 Aug 2035 Partial Lunar
2 Sep 2035 Solar Total
11 Feb 2036 Total Lunar
27 Feb 2036 Solar Partial
23 Jul 2036 Solar Partial
7 Aug 2036 Total Lunar
21 Aug 2036 Solar Partial
16 Jan 2037 Solar Partial
31 Jan 2037 Total Lunar
13 Jul 2037 Solar Total
27 Jul 2037 Partial Lunar
5 Jan 2038 Solar Annular
21 Jan 2038 Appulse Lunar
17 Jun 2038 Appulse Lunar
2 Jul 2038 Solar Annular
16 Jul 2038 Appulse Lunar
11 Dec 2038 Appulse Lunar
26 Dec 2038 Solar Total

6 Jun 2039 Partial Lunar
21 Jun 2039 Solar Annular
30 Nov 2039 Partial Lunar
15 Dec 2039 Solar Total
11 May 2040 Solar Partial
26 May 2040 Total Lunar
4 Nov 2040 Solar Partial
18 Nov 2040 Total Lunar
30 Apr 2041 Solar Total
16 May 2041 Partial Lunar
25 Oct 2041 Solar Annular
8 Nov 2041 Partial Lunar
5 Apr 2042 Appulse Lunar
20 Apr 2042 Solar Total
29 Sep 2042 Partial Lunar
14 Oct 2042 Solar Annular
28 Oct 2042 Appulse Lunar
25 Mar 2043 Total Lunar
9 Apr 2043 Solar Total
19 Sep 2043 Total Lunar
3 Oct 2043 Solar Annular
28 Feb 2044 Solar Annular
13 Mar 2044 Total Lunar
23 Aug 2044 Solar Total
7 Sep 2044 Total Lunar
16 Feb 2045 Solar Annular
3 Mar 2045 Appulse Lunar
12 Aug 2045 Solar Total
27 Aug 2045 Appulse Lunar
22 Jan 2046 Partial Lunar
5 Feb 2046 Solar Annular
18 Jul 2046 Partial Lunar
2 Aug 2046 Solar Total
12 Jan 2047 Total Lunar
26 Jan 2047 Solar Partial
23 Jun 2047 Solar Partial
7 Jul 2047 Total Lunar
22 Jul 2047 Solar Partial
16 Dec 2047 Solar Partial
1 Jan 2048 Total Lunar
11 Jun 2048 Solar Annular
26 Jun 2048 Partial Lunar
5 Dec 2048 Solar Total
20 Dec 2048 Appulse Lunar
17 May 2049 Appulse Lunar
31 May 2049 Solar Annular
15 Jun 2049 Appulse Lunar
9 Nov 2049 Appulse Lunar
25 Nov 2049 Solar Hybrid
6 May 2050 Total Lunar
20 May 2050 Solar Hybrid
30 Oct 2050 Total Lunar
14 Nov 2050 Solar Partial
11 Apr 2051 Solar Partial
26 Apr 2051 Total Lunar
4 Oct 2051 Solar Partial
19 Oct 2051 Total Lunar
30 Mar 2052 Solar Total
14 Apr 2052 Appulse Lunar
22 Sep 2052 Solar Annular
8 Oct 2052 Partial Lunar
4 Mar 2053 Appulse Lunar

20 Mar 2053 Solar Annular
29 Aug 2053 Appulse Lunar
12 Sep 2053 Solar Total
22 Feb 2054 Total Lunar
9 Mar 2054 Solar Partial
3 Aug 2054 Solar Partial
18 Aug 2054 Total Lunar
2 Sep 2054 Solar Partial
27 Jan 2055 Solar Partial
11 Feb 2055 Total Lunar
24 Jul 2055 Solar Total
7 Aug 2055 Partial Lunar
16 Jan 2056 Solar Annular
1 Feb 2056 Appulse Lunar
27 Jun 2056 Appulse Lunar
12 Jul 2056 Solar Annular
26 Jul 2056 Appulse Lunar
22 Dec 2056 Appulse Lunar
5 Jan 2057 Solar Total
17 Jun 2057 Partial Lunar
1 Jul 2057 Solar Annular
11 Dec 2057 Partial Lunar
26 Dec 2057 Solar Total
22 May 2058 Solar Partial
6 Jun 2058 Total Lunar
21 Jun 2058 Solar Partial
16 Nov 2058 Solar Partial
30 Nov 2058 Total Lunar
11 May 2059 Solar Total
27 May 2059 Partial Lunar
5 Nov 2059 Solar Annular
19 Nov 2059 Partial Lunar
15 Apr 2060 Appulse Lunar
30 Apr 2060 Solar Total
9 Oct 2060 Appulse Lunar
24 Oct 2060 Solar Annular
8 Nov 2060 Appulse Lunar
4 Apr 2061 Total Lunar
20 Apr 2061 Solar Total
29 Sep 2061 Total Lunar
13 Oct 2061 Solar Annular
11 Mar 2062 Solar Partial
25 Mar 2062 Total Lunar
3 Sep 2062 Solar Partial
18 Sep 2062 Total Lunar
28 Feb 2063 Solar Annular
14 Mar 2063 Partial Lunar
24 Aug 2063 Solar Total
7 Sep 2063 Appulse Lunar
2 Feb 2064 Partial Lunar
17 Feb 2064 Solar Annular
28 Jul 2064 Partial Lunar
12 Aug 2064 Solar Total
22 Jan 2065 Total Lunar
5 Feb 2065 Solar Partial
3 Jul 2065 Solar Partial
17 Jul 2065 Total Lunar
2 Aug 2065 Solar Partial
27 Dec 2065 Solar Partial
11 Jan 2066 Total Lunar
22 Jun 2066 Solar Annular
7 Jul 2066 Partial Lunar

17 Dec 2066 Solar Total
31 Dec 2066 Appulse Lunar
28 May 2067 Appulse Lunar
11 Jun 2067 Solar Annular
27 Jun 2067 Appulse Lunar
20 Nov 2067 Appulse Lunar
6 Dec 2067 Solar Hybrid
17 May 2068 Partial Lunar
31 May 2068 Solar Total
9 Nov 2068 Total Lunar
24 Nov 2068 Solar Partial
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6 May 2069 Total Lunar
20 May 2069 Solar Partial
15 Oct 2069 Solar Partial
30 Oct 2069 Total Lunar
11 Apr 2070 Solar Total
25 Apr 2070 Appulse Lunar
4 Oct 2070 Solar Annular
19 Oct 2070 Partial Lunar
16 Mar 2071 Appulse Lunar
31 Mar 2071 Solar Annular
9 Sep 2071 Appulse Lunar
23 Sep 2071 Solar Total
4 Mar 2072 Total Lunar
19 Mar 2072 Solar Partial
28 Aug 2072 Total Lunar
12 Sep 2072 Solar Total
7 Feb 2073 Solar Partial
22 Feb 2073 Total Lunar
3 Aug 2073 Solar Total
17 Aug 2073 Total Lunar
27 Jan 2074 Solar Annular
11 Feb 2074 Appulse Lunar
8 Jul 2074 Appulse Lunar
24 Jul 2074 Solar Annular
7 Aug 2074 Appulse Lunar
2 Jan 2075 Appulse Lunar
16 Jan 2075 Solar Total
28 Jun 2075 Partial Lunar
13 Jul 2075 Solar Annular
22 Dec 2075 Partial Lunar
6 Jan 2076 Solar Total
1 Jun 2076 Solar Partial
17 Jun 2076 Total Lunar
1 Jul 2076 Solar Partial
26 Nov 2076 Solar Partial
10 Dec 2076 Total Lunar
22 May 2077 Solar Total
6 Jun 2077 Partial Lunar
15 Nov 2077 Solar Annular
29 Nov 2077 Partial Lunar
27 Apr 2078 Appulse Lunar
11 May 2078 Solar Total
21 Oct 2078 Appulse Lunar
4 Nov 2078 Solar Annular
19 Nov 2078 Appulse Lunar
16 Apr 2079 Partial Lunar
1 May 2079 Solar Total
10 Oct 2079 Total Lunar
24 Oct 2079 Solar Annular
21 Mar 2080 Solar Partial

4 Apr 2080 Total Lunar
13 Sep 2080 Solar Partial
29 Sep 2080 Total Lunar
10 Mar 2081 Solar Annular
25 Mar 2081 Partial Lunar
3 Sep 2081 Solar Total
18 Sep 2081 Appulse Lunar
13 Feb 2082 Partial Lunar
27 Feb 2082 Solar Annular
8 Aug 2082 Appulse Lunar
24 Aug 2082 Solar Total
2 Feb 2083 Total Lunar
16 Feb 2083 Solar Partial
14 Jul 2083 Solar Partial
29 Jul 2083 Total Lunar
13 Aug 2083 Solar Partial
7 Jan 2084 Solar Partial
22 Jan 2084 Total Lunar
3 Jul 2084 Solar Annular
17 Jul 2084 Partial Lunar
27 Dec 2084 Solar Total
10 Jan 2085 Appulse Lunar
8 Jun 2085 Appulse Lunar
22 Jun 2085 Solar Annular
7 Jul 2085 Appulse Lunar
1 Dec 2085 Appulse Lunar
16 Dec 2085 Solar Annular
28 May 2086 Partial Lunar
11 Jun 2086 Solar Total
20 Nov 2086 Partial Lunar
6 Dec 2086 Solar Partial
2 May 2087 Solar Partial
17 May 2087 Total Lunar
1 Jun 2087 Solar Partial
26 Oct 2087 Solar Partial
10 Nov 2087 Total Lunar
21 Apr 2088 Solar Total
5 May 2088 Partial Lunar
14 Oct 2088 Solar Annular
30 Oct 2088 Partial Lunar
26 Mar 2089 Appulse Lunar
10 Apr 2089 Solar Annular
19 Sep 2089 Appulse Lunar
4 Oct 2089 Solar Total
15 Mar 2090 Total Lunar
31 Mar 2090 Solar Partial
8 Sep 2090 Total Lunar
23 Sep 2090 Solar Total
18 Feb 2091 Solar Partial
5 Mar 2091 Total Lunar
15 Aug 2091 Solar Total
29 Aug 2091 Total Lunar
7 Feb 2092 Solar Annular
23 Feb 2092 Appulse Lunar
19 Jul 2092 Appulse Lunar
3 Aug 2092 Solar Annular
17 Aug 2092 Appulse Lunar
12 Jan 2093 Appulse Lunar
27 Jan 2093 Solar Total
8 Jul 2093 Partial Lunar
23 Jul 2093 Solar Annular
1 Jan 2094 Partial Lunar

16 Jan 2094 Solar Total
13 Jun 2094 Solar Partial
28 Jun 2094 Total Lunar
12 Jul 2094 Solar Partial
7 Dec 2094 Solar Partial
21 Dec 2094 Total Lunar
2 Jun 2095 Solar Total
17 Jun 2095 Partial Lunar
27 Nov 2095 Solar Annular
11 Dec 2095 Partial Lunar
7 May 2096 Appulse Lunar
22 May 2096 Solar Total
6 Jun 2096 Appulse Lunar
31 Oct 2096 Appulse Lunar
15 Nov 2096 Solar Annular
29 Nov 2096 Appulse Lunar
26 Apr 2097 Partial Lunar
11 May 2097 Solar Total
21 Oct 2097 Total Lunar
4 Nov 2097 Solar Annular
1 Apr 2098 Solar Partial
15 Apr 2098 Total Lunar
25 Sep 2098 Solar Partial
10 Oct 2098 Total Lunar
24 Oct 2098 Solar Partial
21 Mar 2099 Solar Annular
5 Apr 2099 Partial Lunar
14 Sep 2099 Solar Total
29 Sep 2099 Appulse Lunar
24 Feb 2100 Appulse Lunar
10 Mar 2100 Solar Annular
19 Aug 2100 Appulse Lunar
4 Sep 2100 Solar Total
14 Feb 2101 Total Lunar
28 Feb 2101 Solar Annular
9 Aug 2101 Total Lunar
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3 Feb 2102 Total Lunar
15 Jul 2102 Solar Annular
30 Jul 2102 Total Lunar
8 Jan 2103 Solar Total
23 Jan 2103 Appulse Lunar
20 Jun 2103 Appulse Lunar
4 Jul 2103 Solar Annular
19 Jul 2103 Appulse Lunar
13 Dec 2103 Appulse Lunar
29 Dec 2103 Solar Annular
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22 Jun 2104 Solar Total
2 Dec 2104 Partial Lunar
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17 May 2106 Partial Lunar
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11 Nov 2106 Partial Lunar
7 Apr 2107 Appulse Lunar

23 Apr 2107 Solar Annular
7 May 2107 Appulse Lunar
2 Oct 2107 Appulse Lunar
16 Oct 2107 Solar Total
27 Mar 2108 Total Lunar
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26 Aug 2109 Solar Partial
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15 Aug 2110 Solar Annular
29 Aug 2110 Partial Lunar
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8 Feb 2111 Solar Total
21 Jul 2111 Partial Lunar
4 Aug 2111 Solar Annular
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29 Jun 2113 Partial Lunar
8 Dec 2113 Solar Annular
22 Dec 2113 Partial Lunar
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3 Jun 2114 Solar Total
18 Jun 2114 Appulse Lunar
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27 Nov 2114 Solar Annular
12 Dec 2114 Appulse Lunar
8 May 2115 Partial Lunar
24 May 2115 Solar Total
2 Nov 2115 Partial Lunar
16 Nov 2115 Solar Annular
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27 Apr 2116 Total Lunar
6 Oct 2116 Solar Partial
21 Oct 2116 Total Lunar
4 Nov 2116 Solar Partial
2 Apr 2117 Solar Annular
16 Apr 2117 Partial Lunar
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10 Oct 2117 Partial Lunar
7 Mar 2118 Appulse Lunar
22 Mar 2118 Solar Annular
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11 Mar 2119 Solar Annular
20 Aug 2119 Total Lunar
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25 Jul 2120 Solar Annular
9 Aug 2120 Total Lunar

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2 Feb 2121 Appulse Lunar
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14 Jul 2121 Solar Annular
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3 May 2125 Solar Annular
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25 Jun 2131 Solar Total
10 Jul 2131 Partial Lunar
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2 Jan 2132 Partial Lunar
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7 Dec 2132 Solar Annular
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26 Nov 2133 Solar Annular
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6 Sep 2146 Solar Annular
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2 Mar 2147 Solar Total

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19 Dec 2150 Solar Annular
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12 Apr 2154 Solar Annular
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20 Aug 2157 Partial Lunar
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19 Jan 2159 Solar Annular
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24 Dec 2159 Total Lunar

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18 Dec 2169 Solar Annular
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7 Dec 2170 Solar Partial
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12 Nov 2171 Partial Lunar
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23 Apr 2172 Solar Annular
8 May 2172 Appulse Lunar
2 Oct 2172 Appulse Lunar
17 Oct 2172 Solar Total
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29 Mar 2173 Partial Lunar
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21 Sep 2173 Partial Lunar
7 Oct 2173 Solar Annular
3 Mar 2174 Solar Partial
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11 Sep 2174 Total Lunar
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7 Mar 2175 Partial Lunar
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31 Aug 2175 Partial Lunar
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21 Jul 2176 Partial Lunar
4 Aug 2176 Solar Total
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9 Dec 2178 Solar Annular
24 Dec 2178 Partial Lunar
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5 Jun 2179 Solar Annular
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24 May 2180 Solar Annular
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7 Nov 2181 Solar Partial
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11 Oct 2182 Partial Lunar
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16 Sep 2183 Solar Annular
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4 Sep 2184 Solar Annular
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26 Jul 2185 Solar Total
11 Aug 2185 Total Lunar
20 Jan 2186 Solar Annular
4 Feb 2186 Partial Lunar

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9 Jan 2187 Solar Annular
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20 Jun 2187 Partial Lunar
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4 Dec 2188 Total Lunar
18 Dec 2188 Solar Partial
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4 May 2190 Solar Annular
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11 Sep 2193 Partial Lunar
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21 Feb 2194 Solar Annular
7 Mar 2194 Appulse Lunar
2 Aug 2194 Appulse Lunar
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26 Jan 2195 Partial Lunar
10 Feb 2195 Solar Annular
7 Jul 2195 Solar Partial
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10 Jul 2196 Total Lunar
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4 Jan 2197 Partial Lunar
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15 Jun 2197 Solar Annular
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24 Nov 2197 Appulse Lunar
9 Dec 2197 Solar Total
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4 Jun 2198 Solar Annular
13 Nov 2198 Partial Lunar

28 Nov 2198 Solar Total
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2 Nov 2199 Total Lunar
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4 Apr 2201 Solar Total
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3 Sep 2202 Total Lunar
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6 Sep 2203 Solar Partial
2 Feb 2204 Solar Annular
16 Feb 2204 Partial Lunar
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11 Aug 2204 Appulse Lunar
6 Jan 2205 Appulse Lunar
21 Jan 2205 Solar Annular
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2 Jul 2205 Partial Lunar
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11 Jun 2207 Partial Lunar
20 Nov 2207 Solar Total
5 Dec 2207 Partial Lunar
1 May 2208 Appulse Lunar
15 May 2208 Solar Annular
31 May 2208 Appulse Lunar
24 Oct 2208 Appulse Lunar
9 Nov 2208 Solar Hybrid
23 Nov 2208 Appulse Lunar
21 Apr 2209 Partial Lunar
5 May 2209 Solar Hybrid
14 Oct 2209 Partial Lunar
29 Oct 2209 Solar Annular
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24 Apr 2210 Solar Partial
18 Sep 2210 Solar Partial
3 Oct 2210 Total Lunar
15 Mar 2211 Solar Total

30 Mar 2211 Partial Lunar
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23 Sep 2211 Partial Lunar
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4 Mar 2212 Solar Annular
18 Mar 2212 Appulse Lunar
13 Aug 2212 Appulse Lunar
27 Aug 2212 Solar Total
6 Feb 2213 Partial Lunar
21 Feb 2213 Solar Annular
2 Aug 2213 Total Lunar
17 Aug 2213 Solar Total
11 Jan 2214 Solar Partial
27 Jan 2214 Total Lunar
8 Jul 2214 Solar Total
22 Jul 2214 Total Lunar
1 Jan 2215 Solar Annular
16 Jan 2215 Partial Lunar
12 Jun 2215 Appulse Lunar
28 Jun 2215 Solar Annular
11 Jul 2215 Appulse Lunar
7 Dec 2215 Appulse Lunar
21 Dec 2215 Solar Total
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16 Jun 2216 Solar Annular
25 Nov 2216 Partial Lunar
10 Dec 2216 Solar Total
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29 Nov 2217 Solar Partial
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20 Oct 2218 Solar Annular
3 Nov 2218 Partial Lunar
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15 Apr 2219 Solar Total
30 Apr 2219 Appulse Lunar
24 Sep 2219 Appulse Lunar
9 Oct 2219 Solar Annular
24 Oct 2219 Appulse Lunar
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4 Apr 2220 Solar Total
13 Sep 2220 Partial Lunar
27 Sep 2220 Solar Annular
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2 Sep 2221 Total Lunar
16 Sep 2221 Solar Partial
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26 Feb 2222 Partial Lunar
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1 Feb 2223 Solar Annular
16 Feb 2223 Appulse Lunar
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21 Jan 2224 Solar Annular
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26 Dec 2224 Total Lunar
9 Jan 2225 Solar Partial
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21 Jun 2225 Partial Lunar
1 Dec 2225 Solar Total
15 Dec 2225 Partial Lunar
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27 May 2226 Solar Annular
11 Jun 2226 Appulse Lunar
5 Nov 2226 Appulse Lunar
20 Nov 2226 Solar Hybrid
4 Dec 2226 Appulse Lunar
2 May 2227 Partial Lunar
16 May 2227 Solar Total
25 Oct 2227 Partial Lunar
9 Nov 2227 Solar Annular
5 Apr 2228 Solar Partial
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29 Oct 2228 Solar Partial
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9 Apr 2229 Partial Lunar
18 Sep 2229 Solar Annular
3 Oct 2229 Partial Lunar
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15 Mar 2230 Solar Annular
29 Mar 2230 Appulse Lunar
24 Aug 2230 Appulse Lunar
7 Sep 2230 Solar Total
17 Feb 2231 Partial Lunar
4 Mar 2231 Solar Annular
13 Aug 2231 Partial Lunar
28 Aug 2231 Solar Total
23 Jan 2232 Solar Partial
7 Feb 2232 Total Lunar
18 Jul 2232 Solar Total
1 Aug 2232 Total Lunar
11 Jan 2233 Solar Annular
26 Jan 2233 Partial Lunar
22 Jun 2233 Appulse Lunar
8 Jul 2233 Solar Annular
22 Jul 2233 Appulse Lunar
17 Dec 2233 Appulse Lunar
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27 Jun 2234 Solar Annular
6 Dec 2234 Partial Lunar
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2 Jun 2235 Total Lunar
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25 Nov 2235 Total Lunar
11 Dec 2235 Solar Partial
6 May 2236 Solar Total
21 May 2236 Partial Lunar

30 Oct 2236 Solar Annular
14 Nov 2236 Partial Lunar
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25 Apr 2237 Solar Total
10 May 2237 Appulse Lunar
5 Oct 2237 Appulse Lunar
19 Oct 2237 Solar Annular
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28 Sep 2239 Solar Partial
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18 Aug 2240 Solar Total
2 Sep 2240 Partial Lunar
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11 Feb 2241 Solar Annular
26 Feb 2241 Appulse Lunar
23 Jul 2241 Appulse Lunar
8 Aug 2241 Solar Total
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31 Jan 2242 Solar Annular
13 Jul 2242 Total Lunar
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21 Jan 2243 Solar Partial
18 Jun 2243 Solar Annular
2 Jul 2243 Total Lunar
12 Dec 2243 Solar Total
26 Dec 2243 Partial Lunar
23 May 2244 Appulse Lunar
6 Jun 2244 Solar Annular
21 Jun 2244 Appulse Lunar
15 Nov 2244 Appulse Lunar
1 Dec 2244 Solar Annular
15 Dec 2244 Appulse Lunar
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4 Nov 2245 Partial Lunar
20 Nov 2245 Solar Annular
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25 Oct 2246 Total Lunar
9 Nov 2246 Solar Partial
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29 Sep 2247 Solar Annular
15 Oct 2247 Partial Lunar
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26 Mar 2248 Solar Annular
9 Apr 2248 Appulse Lunar
4 Sep 2248 Appulse Lunar
18 Sep 2248 Solar Total

3 Oct 2248 Appulse Lunar
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15 Mar 2249 Solar Annular
24 Aug 2249 Partial Lunar
7 Sep 2249 Solar Total
2 Feb 2250 Solar Partial
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13 Aug 2250 Total Lunar
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7 Feb 2251 Partial Lunar
19 Jul 2251 Solar Annular
2 Aug 2251 Partial Lunar
28 Dec 2251 Appulse Lunar
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7 Jul 2252 Solar Annular
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12 Jun 2253 Total Lunar
26 Jun 2253 Solar Partial
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5 Dec 2253 Total Lunar
21 Dec 2253 Solar Partial
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2 Jun 2254 Partial Lunar
11 Nov 2254 Solar Annular
25 Nov 2254 Partial Lunar
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7 May 2255 Solar Total
22 May 2255 Appulse Lunar
16 Oct 2255 Appulse Lunar
31 Oct 2255 Solar Annular
15 Nov 2255 Appulse Lunar
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5 Oct 2256 Partial Lunar
19 Oct 2256 Solar Annular
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8 Oct 2257 Solar Partial
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20 Mar 2258 Partial Lunar
29 Aug 2258 Solar Total
13 Sep 2258 Partial Lunar
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23 Feb 2259 Solar Annular
10 Mar 2259 Appulse Lunar
4 Aug 2259 Appulse Lunar
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2 Sep 2259 Appulse Lunar
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23 Jul 2260 Total Lunar
7 Aug 2260 Solar Partial
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31 Jan 2261 Solar Partial

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22 Dec 2261 Solar Total
6 Jan 2262 Partial Lunar
3 Jun 2262 Appulse Lunar
17 Jun 2262 Solar Annular
2 Jul 2262 Appulse Lunar
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12 Dec 2262 Solar Annular
26 Dec 2262 Appulse Lunar
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6 Jun 2263 Solar Total
16 Nov 2263 Partial Lunar
1 Dec 2263 Solar Annular
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4 Nov 2264 Total Lunar
19 Nov 2264 Solar Partial
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1 May 2265 Partial Lunar
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25 Oct 2265 Partial Lunar
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6 Apr 2266 Solar Annular
20 Apr 2266 Appulse Lunar
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11 Mar 2267 Partial Lunar
26 Mar 2267 Solar Annular
4 Sep 2267 Partial Lunar
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9 Aug 2268 Solar Partial
23 Aug 2268 Total Lunar
7 Sep 2268 Solar Partial
2 Feb 2269 Solar Annular
17 Feb 2269 Partial Lunar
29 Jul 2269 Solar Annular
12 Aug 2269 Partial Lunar
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18 Jul 2270 Solar Annular
28 Dec 2270 Partial Lunar
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8 Jul 2271 Solar Partial
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5 Dec 2272 Partial Lunar
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17 May 2273 Solar Total
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26 Oct 2273 Appulse Lunar

10 Nov 2273 Solar Annular
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16 Oct 2274 Partial Lunar
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30 Mar 2276 Partial Lunar
9 Sep 2276 Solar Total
23 Sep 2276 Partial Lunar
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5 Mar 2277 Solar Annular
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12 Sep 2277 Appulse Lunar
8 Feb 2278 Partial Lunar
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19 Aug 2278 Solar Annular
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12 Feb 2279 Solar Partial
9 Jul 2279 Solar Partial
24 Jul 2279 Total Lunar
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27 Jun 2280 Solar Annular
13 Jul 2280 Appulse Lunar
7 Dec 2280 Appulse Lunar
22 Dec 2280 Solar Annular
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3 Jun 2281 Partial Lunar
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26 Nov 2281 Partial Lunar
11 Dec 2281 Solar Annular
8 May 2282 Solar Partial
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6 Jun 2282 Solar Partial
1 Nov 2282 Solar Partial
16 Nov 2282 Total Lunar
30 Nov 2282 Solar Partial
28 Apr 2283 Solar Total
12 May 2283 Partial Lunar
21 Oct 2283 Solar Annular
5 Nov 2283 Partial Lunar
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16 Apr 2284 Solar Annular
30 Apr 2284 Appulse Lunar
25 Sep 2284 Appulse Lunar
9 Oct 2284 Solar Total
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5 Apr 2285 Solar Annular
14 Sep 2285 Partial Lunar

29 Sep 2285 Solar Total
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25 Mar 2286 Solar Partial
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3 Sep 2286 Total Lunar
19 Sep 2286 Solar Partial
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24 Aug 2287 Partial Lunar
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18 Feb 2288 Appulse Lunar
14 Jul 2288 Partial Lunar
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9 Nov 2292 Solar Annular
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14 Aug 2296 Partial Lunar
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27 Jan 2298 Partial Lunar
9 Jul 2298 Solar Annular
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23 Dec 2299 Solar Annular
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1 Nov 2301 Solar Annular
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29 Apr 2302 Solar Annular
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4 Sep 2305 Partial Lunar
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10 Aug 2306 Solar Annular
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3 Dec 2309 Solar Annular

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15 Sep 2323 Partial Lunar
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25 Jan 2335 Solar Annular
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26 Sep 2341 Partial Lunar
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20 Mar 2425 Solar Annular
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12 Sep 2425 Solar Total
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9 Mar 2426 Solar Annular
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2 Jul 2429 Solar Annular
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27 May 2431 Partial Lunar
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24 Oct 2432 Solar Annular
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30 Nov 2468 Appulse Lunar
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21 Oct 2469 Partial Lunar
4 Nov 2469 Solar Annular
16 Apr 2470 Total Lunar
1 May 2470 Solar Partial
25 Sep 2470 Solar Partial
10 Oct 2470 Total Lunar
24 Oct 2470 Solar Partial
22 Mar 2471 Solar Annular
5 Apr 2471 Partial Lunar
15 Sep 2471 Solar Total
29 Sep 2471 Partial Lunar
24 Feb 2472 Appulse Lunar
10 Mar 2472 Solar Annular
25 Mar 2472 Appulse Lunar
19 Aug 2472 Appulse Lunar
3 Sep 2472 Solar Total
17 Sep 2472 Appulse Lunar

13 Feb 2473 Partial Lunar
27 Feb 2473 Solar Annular
8 Aug 2473 Partial Lunar
24 Aug 2473 Solar Annular
18 Jan 2474 Solar Partial
2 Feb 2474 Total Lunar
16 Feb 2474 Solar Partial
14 Jul 2474 Solar Partial
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13 Aug 2474 Solar Partial
8 Jan 2475 Solar Total
22 Jan 2475 Partial Lunar
3 Jul 2475 Solar Annular
19 Jul 2475 Partial Lunar
28 Dec 2475 Solar Annular
11 Jan 2476 Appulse Lunar
7 Jun 2476 Appulse Lunar
22 Jun 2476 Solar Total
1 Dec 2476 Partial Lunar
16 Dec 2476 Solar Annular
28 May 2477 Total Lunar
11 Jun 2477 Solar Total
21 Nov 2477 Total Lunar
5 Dec 2477 Solar Partial
3 May 2478 Solar Total
17 May 2478 Total Lunar
26 Oct 2478 Solar Partial
10 Nov 2478 Total Lunar
7 Apr 2479 Appulse Lunar
22 Apr 2479 Solar Annular
6 May 2479 Appulse Lunar
15 Oct 2479 Solar Total
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26 Mar 2480 Partial Lunar
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19 Sep 2480 Partial Lunar
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8 Sep 2481 Total Lunar
24 Sep 2481 Solar Partial
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5 Mar 2482 Partial Lunar
14 Aug 2482 Solar Annular
28 Aug 2482 Partial Lunar
7 Feb 2483 Solar Total
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3 Aug 2483 Solar Annular
18 Aug 2483 Appulse Lunar
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28 Jan 2484 Solar Total
9 Jul 2484 Partial Lunar
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28 Jun 2485 Total Lunar
12 Jul 2485 Solar Partial
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21 Dec 2485 Total Lunar

2 Jun 2486 Solar Total
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26 Nov 2486 Solar Annular
11 Dec 2486 Appulse Lunar
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4 Nov 2488 Solar Partial
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3 Jul 2494 Solar Total
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27 May 2496 Total Lunar
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2 May 2497 Solar Annular
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26 Oct 2497 Solar Total
10 Nov 2497 Appulse Lunar
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26 Aug 2500 Solar Annular
9 Sep 2500 Partial Lunar
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17 Apr 2508 Appulse Lunar
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10 Aug 2511 Partial Lunar
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29 May 2515 Partial Lunar
7 Nov 2515 Solar Total
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26 Aug 2519 Solar Annular
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10 Jul 2522 Partial Lunar
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15 Jun 2523 Solar Total
24 Nov 2523 Appulse Lunar
8 Dec 2523 Solar Annular
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7 Oct 2526 Solar Hybrid

21 Oct 2526 Appulse Lunar
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2 Apr 2527 Solar Hybrid
11 Sep 2527 Partial Lunar
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5 Aug 2529 Solar Annular
20 Aug 2529 Partial Lunar
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7 Apr 2536 Partial Lunar
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7 Mar 2547 Partial Lunar
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2 Sep 2593 Total Lunar
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7 Aug 2594 Solar Total
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15 Feb 2595 Appulse Lunar
12 Jul 2595 Appulse Lunar

28 Jul 2595 Solar Total
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3 Dec 2598 Partial Lunar
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22 Jul 2605 Partial Lunar
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28 Aug 2622 Solar Partial

22 Jan 2623 Solar Partial
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2 Aug 2623 Partial Lunar
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21 Nov 2663 Solar Annular
7 Dec 2663 Partial Lunar

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23 Dec 2671 Solar Annular
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2 Jun 2672 Partial Lunar
17 Jun 2672 Solar Total
27 Nov 2672 Partial Lunar
11 Dec 2672 Solar Annular
8 May 2673 Solar Partial
22 May 2673 Total Lunar
7 Jun 2673 Solar Partial
31 Oct 2673 Solar Partial
16 Nov 2673 Total Lunar
28 Apr 2674 Solar Annular
12 May 2674 Partial Lunar
21 Oct 2674 Solar Total
5 Nov 2674 Partial Lunar
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17 Apr 2675 Solar Annular
1 May 2675 Appulse Lunar
26 Sep 2675 Appulse Lunar
11 Oct 2675 Solar Total
22 Mar 2676 Total Lunar
5 Apr 2676 Solar Annular
14 Sep 2676 Total Lunar
29 Sep 2676 Solar Total
24 Feb 2677 Solar Partial
11 Mar 2677 Total Lunar

20 Aug 2677 Solar Partial
3 Sep 2677 Total Lunar
13 Feb 2678 Solar Total
28 Feb 2678 Appulse Lunar
26 Jul 2678 Appulse Lunar
9 Aug 2678 Solar Annular
24 Aug 2678 Partial Lunar
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3 Feb 2679 Solar Total
15 Jul 2679 Partial Lunar
29 Jul 2679 Solar Annular
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2 Dec 2681 Solar Annular
17 Dec 2681 Partial Lunar
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29 May 2682 Solar Total
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10 Sep 2686 Solar Annular
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4 Aug 2688 Partial Lunar
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27 Jan 2689 Partial Lunar
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24 Jul 2689 Appulse Lunar
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17 Jan 2690 Appulse Lunar
14 Jun 2690 Partial Lunar
28 Jun 2690 Solar Total

8 Dec 2690 Partial Lunar
22 Dec 2690 Solar Annular
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12 Nov 2691 Solar Partial
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11 Dec 2691 Solar Partial
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22 May 2692 Partial Lunar
31 Oct 2692 Solar Total
16 Nov 2692 Partial Lunar
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27 Apr 2693 Solar Annular
12 May 2693 Appulse Lunar
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2 Apr 2694 Total Lunar
16 Apr 2694 Solar Annular
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11 Oct 2694 Solar Hybrid
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31 Aug 2695 Solar Partial
15 Sep 2695 Total Lunar
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19 Aug 2696 Solar Annular
3 Sep 2696 Partial Lunar
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26 Jul 2697 Partial Lunar
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3 Feb 2698 Solar Annular
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28 Dec 2699 Partial Lunar
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2 Dec 2700 Solar Annular
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23 Apr 2703 Partial Lunar

3 Oct 2703 Solar Hybrid
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19 Feb 2725 Partial Lunar
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20 May 2729 Solar Annular

3 Jun 2729 Appulse Lunar
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20 Jan 2736 Partial Lunar
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7 Oct 2750 Partial Lunar
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19 Mar 2751 Solar Total
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11 Sep 2751 Solar Annular
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30 Jan 2754 Partial Lunar
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22 Sep 2769 Solar Annular
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3 Nov 2776 Solar Annular
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29 Oct 2786 Partial Lunar
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3 Oct 2787 Solar Annular
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3 Aug 2790 Solar Total
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20 Dec 2792 Total Lunar
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2 Jul 2801 Solar Annular
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20 Nov 2803 Total Lunar

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20 Nov 2822 Partial Lunar
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25 Oct 2823 Solar Annular
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7 Sep 2826 Partial Lunar
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17 Feb 2827 Solar Hybrid
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17 Jun 2858 Partial Lunar
26 Nov 2858 Solar Annular
11 Dec 2858 Partial Lunar
8 May 2859 Appulse Lunar
23 May 2859 Solar Total
6 Jun 2859 Appulse Lunar
1 Nov 2859 Appulse Lunar
15 Nov 2859 Solar Annular
1 Dec 2859 Appulse Lunar
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20 Oct 2860 Partial Lunar
4 Nov 2860 Solar Total
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16 Apr 2861 Total Lunar
1 May 2861 Solar Partial
25 Sep 2861 Solar Partial
9 Oct 2861 Total Lunar
25 Oct 2861 Solar Partial
21 Mar 2862 Solar Annular
6 Apr 2862 Partial Lunar
15 Sep 2862 Solar Annular
29 Sep 2862 Partial Lunar
24 Feb 2863 Appulse Lunar
10 Mar 2863 Solar Hybrid
26 Mar 2863 Appulse Lunar
20 Aug 2863 Appulse Lunar
4 Sep 2863 Solar Annular
18 Sep 2863 Appulse Lunar
13 Feb 2864 Partial Lunar
28 Feb 2864 Solar Total

9 Aug 2864 Total Lunar
23 Aug 2864 Solar Annular
18 Jan 2865 Solar Partial
1 Feb 2865 Total Lunar
17 Feb 2865 Solar Partial
14 Jul 2865 Solar Partial
29 Jul 2865 Total Lunar
8 Jan 2866 Solar Annular
22 Jan 2866 Partial Lunar
3 Jul 2866 Solar Total
19 Jul 2866 Appulse Lunar
13 Dec 2866 Appulse Lunar
28 Dec 2866 Solar Annular
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8 Jun 2867 Partial Lunar
23 Jun 2867 Solar Total
2 Dec 2867 Partial Lunar
17 Dec 2867 Solar Annular
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5 Nov 2868 Solar Partial
21 Nov 2868 Total Lunar
5 Dec 2868 Solar Partial
2 May 2869 Solar Annular
17 May 2869 Partial Lunar
26 Oct 2869 Solar Total
10 Nov 2869 Partial Lunar
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21 Apr 2870 Solar Annular
6 May 2870 Appulse Lunar
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16 Oct 2870 Solar Total
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27 Mar 2871 Partial Lunar
11 Apr 2871 Solar Annular
20 Sep 2871 Partial Lunar
5 Oct 2871 Solar Hybrid
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25 Aug 2872 Solar Partial
8 Sep 2872 Total Lunar
23 Sep 2872 Solar Partial
18 Feb 2873 Solar Total
5 Mar 2873 Partial Lunar
14 Aug 2873 Solar Annular
29 Aug 2873 Partial Lunar
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8 Feb 2874 Solar Total
22 Feb 2874 Appulse Lunar
20 Jul 2874 Appulse Lunar
3 Aug 2874 Solar Annular
18 Aug 2874 Appulse Lunar
12 Jan 2875 Partial Lunar
28 Jan 2875 Solar Annular
9 Jul 2875 Total Lunar
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17 Jan 2876 Solar Partial
13 Jun 2876 Solar Total

27 Jun 2876 Partial Lunar
6 Dec 2876 Solar Annular
22 Dec 2876 Partial Lunar
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3 Jun 2877 Solar Total
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12 Nov 2877 Appulse Lunar
26 Nov 2877 Solar Annular
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1 Nov 2878 Partial Lunar
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21 Oct 2879 Total Lunar
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16 Apr 2880 Partial Lunar
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9 Oct 2880 Partial Lunar
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21 Mar 2881 Solar Total
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14 Sep 2881 Solar Annular
28 Sep 2881 Appulse Lunar
24 Feb 2882 Partial Lunar
10 Mar 2882 Solar Total
20 Aug 2882 Partial Lunar
3 Sep 2882 Solar Annular
30 Jan 2883 Solar Partial
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28 Feb 2883 Solar Partial
25 Jul 2883 Solar Partial
9 Aug 2883 Total Lunar
19 Jan 2884 Solar Annular
2 Feb 2884 Partial Lunar
13 Jul 2884 Solar Total
29 Jul 2884 Appulse Lunar
23 Dec 2884 Appulse Lunar
7 Jan 2885 Solar Annular
22 Jan 2885 Appulse Lunar
18 Jun 2885 Appulse Lunar
3 Jul 2885 Solar Total
13 Dec 2885 Partial Lunar
27 Dec 2885 Solar Annular
24 May 2886 Solar Partial
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23 Jun 2886 Solar Partial
17 Nov 2886 Solar Partial
2 Dec 2886 Total Lunar
16 Dec 2886 Solar Partial
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28 May 2887 Partial Lunar
6 Nov 2887 Solar Total
21 Nov 2887 Partial Lunar
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2 May 2888 Solar Annular
17 May 2888 Appulse Lunar

11 Oct 2888 Appulse Lunar
26 Oct 2888 Solar Total
9 Nov 2888 Appulse Lunar
7 Apr 2889 Partial Lunar
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30 Sep 2889 Partial Lunar
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5 Oct 2890 Solar Partial
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16 Mar 2891 Partial Lunar
25 Aug 2891 Solar Annular
9 Sep 2891 Partial Lunar
3 Feb 2892 Appulse Lunar
19 Feb 2892 Solar Total
4 Mar 2892 Appulse Lunar
30 Jul 2892 Appulse Lunar
13 Aug 2892 Solar Annular
29 Aug 2892 Appulse Lunar
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7 Feb 2893 Solar Annular
20 Jul 2893 Total Lunar
3 Aug 2893 Solar Total
29 Dec 2893 Solar Partial
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28 Jan 2894 Solar Partial
24 Jun 2894 Solar Total
9 Jul 2894 Total Lunar
18 Dec 2894 Solar Annular
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7 Dec 2895 Solar Annular
23 Dec 2895 Appulse Lunar
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2 Jun 2896 Solar Annular
11 Nov 2896 Partial Lunar
26 Nov 2896 Solar Total
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31 Oct 2897 Total Lunar
15 Nov 2897 Solar Partial
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27 Apr 2898 Partial Lunar
6 Oct 2898 Solar Annular
20 Oct 2898 Partial Lunar
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26 Sep 2899 Solar Annular
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31 Aug 2900 Partial Lunar

15 Sep 2900 Solar Annular
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10 Aug 2902 Partial Lunar
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3 Feb 2903 Appulse Lunar
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3 Dec 2905 Partial Lunar
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14 May 2906 Solar Annular
29 May 2906 Appulse Lunar
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7 Nov 2906 Solar Total
22 Nov 2906 Appulse Lunar
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3 May 2907 Solar Annular
12 Oct 2907 Partial Lunar
28 Oct 2907 Solar Annular
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1 Oct 2908 Total Lunar
16 Oct 2908 Solar Partial
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28 Mar 2909 Partial Lunar
5 Sep 2909 Solar Annular
20 Sep 2909 Partial Lunar
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2 Mar 2910 Solar Total
17 Mar 2910 Appulse Lunar
12 Aug 2910 Appulse Lunar
26 Aug 2910 Solar Hybrid
10 Sep 2910 Appulse Lunar
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1 Aug 2911 Partial Lunar
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25 Jan 2912 Total Lunar
9 Feb 2912 Solar Partial
6 Jul 2912 Solar Total
20 Jul 2912 Total Lunar

4 Aug 2012 Solar Partial
29 Dec 2012 Solar Annular
13 Jan 2013 Partial Lunar
25 Jun 2013 Solar Total
9 Jul 2013 Appulse Lunar
4 Dec 2013 Appulse Lunar
18 Dec 2013 Solar Annular
3 Jan 2014 Appulse Lunar
30 May 2014 Partial Lunar
14 Jun 2014 Solar Annular
23 Nov 2014 Partial Lunar
8 Dec 2014 Solar Total
20 May 2015 Total Lunar
4 Jun 2015 Solar Partial
29 Oct 2015 Solar Partial
12 Nov 2015 Total Lunar
28 Nov 2015 Solar Partial
23 Apr 2016 Solar Annular
8 May 2016 Partial Lunar
18 Oct 2016 Solar Annular
1 Nov 2016 Partial Lunar
29 Mar 2017 Appulse Lunar
12 Apr 2017 Solar Total
28 Apr 2017 Appulse Lunar
22 Sep 2017 Appulse Lunar
7 Oct 2017 Solar Annular
21 Oct 2017 Appulse Lunar
18 Mar 2018 Partial Lunar
2 Apr 2018 Solar Total
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26 Sep 2018 Solar Annular
21 Feb 2019 Solar Partial
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23 Mar 2019 Solar Partial
17 Aug 2019 Solar Partial
1 Sep 2019 Total Lunar
15 Sep 2019 Solar Partial
11 Feb 2020 Solar Annular
25 Feb 2020 Partial Lunar
5 Aug 2020 Solar Total
20 Aug 2020 Partial Lunar
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30 Jan 2021 Solar Annular
13 Feb 2021 Appulse Lunar
11 Jul 2021 Appulse Lunar
26 Jul 2021 Solar Total
4 Jan 2022 Partial Lunar
19 Jan 2022 Solar Annular
30 Jun 2022 Total Lunar
15 Jul 2022 Solar Partial
9 Dec 2022 Solar Partial
25 Dec 2022 Total Lunar
8 Jan 2023 Solar Partial
5 Jun 2023 Solar Annular
19 Jun 2023 Total Lunar
29 Nov 2023 Solar Total
14 Dec 2023 Partial Lunar
10 May 2024 Appulse Lunar
24 May 2024 Solar Annular
8 Jun 2024 Appulse Lunar
18 Nov 2024 Solar Total
2 Dec 2024 Appulse Lunar

29 Apr 2925 Partial Lunar
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23 Oct 2925 Partial Lunar
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27 Oct 2926 Solar Partial
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8 Apr 2927 Partial Lunar
17 Sep 2927 Solar Annular
2 Oct 2927 Partial Lunar
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27 Mar 2928 Appulse Lunar
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5 Sep 2928 Solar Hybrid
20 Sep 2928 Appulse Lunar
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4 Feb 2930 Total Lunar
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17 Jul 2930 Solar Partial
31 Jul 2930 Total Lunar
15 Aug 2930 Solar Partial
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6 Jul 2931 Solar Total
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30 Dec 2931 Solar Annular
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9 Jun 2932 Partial Lunar
25 Jun 2932 Solar Annular
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20 May 2934 Partial Lunar
29 Oct 2934 Solar Annular
12 Nov 2934 Partial Lunar
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18 Oct 2935 Solar Annular
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2 Apr 2937 Solar Partial

27 Aug 2937 Solar Partial
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18 Jan 2941 Solar Partial
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9 Dec 2941 Solar Total
24 Dec 2941 Partial Lunar
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5 Jun 2942 Solar Annular
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11 May 2943 Partial Lunar
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3 Apr 2945 Solar Total
18 Apr 2945 Partial Lunar
27 Sep 2945 Solar Annular
12 Oct 2945 Partial Lunar
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24 Mar 2946 Solar Total
7 Apr 2946 Appulse Lunar
2 Sep 2946 Appulse Lunar
16 Sep 2946 Solar Hybrid
2 Oct 2946 Appulse Lunar
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6 Sep 2947 Solar Total
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25 Aug 2948 Solar Partial
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4 Feb 2949 Partial Lunar
17 Jul 2949 Solar Total
31 Jul 2949 Partial Lunar
26 Dec 2949 Appulse Lunar

9 Jan 2950 Solar Hybrid
25 Jan 2950 Appulse Lunar
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6 Jul 2950 Solar Annular
15 Dec 2950 Partial Lunar
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4 Dec 2951 Total Lunar
19 Dec 2951 Solar Partial
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30 May 2952 Partial Lunar
8 Nov 2952 Solar Annular
22 Nov 2952 Partial Lunar
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4 May 2953 Solar Total
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28 Oct 2953 Solar Annular
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20 Feb 2957 Solar Annular
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1 Aug 2957 Appulse Lunar
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21 Dec 2959 Solar Total
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21 May 2961 Partial Lunar
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13 Nov 2961 Partial Lunar
29 Nov 2961 Solar Annular
25 Apr 2962 Solar Partial

10 May 2962 Total Lunar
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8 Oct 2963 Solar Annular
23 Oct 2963 Partial Lunar
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3 Apr 2964 Solar Total
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26 Sep 2964 Solar Hybrid
12 Oct 2964 Appulse Lunar
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2 Sep 2965 Partial Lunar
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28 Jul 2967 Solar Hybrid
11 Aug 2967 Partial Lunar
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20 Jan 2968 Solar Hybrid
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1 Jul 2968 Appulse Lunar
16 Jul 2968 Solar Annular
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21 Jun 2969 Total Lunar
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4 Dec 2970 Partial Lunar
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9 Nov 2971 Solar Annular
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29 Mar 2974 Partial Lunar

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22 Sep 2974 Partial Lunar
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8 Oct 2982 Solar Hybrid
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21 Aug 2985 Partial Lunar
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31 Jan 2986 Solar Hybrid
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12 Jul 2986 Appulse Lunar
28 Jul 2986 Solar Annular
11 Aug 2986 Appulse Lunar
6 Jan 2987 Partial Lunar

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14 Dec 2988 Total Lunar
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19 Nov 2989 Solar Annular
4 Dec 2989 Appulse Lunar
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3 Mar 2994 Solar Annular
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28 Aug 2994 Solar Total
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17 Aug 2995 Solar Partial
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26 Jan 2996 Partial Lunar
6 Jul 2996 Solar Annular
21 Jul 2996 Partial Lunar
31 Dec 2996 Solar Total
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26 Jun 2997 Solar Annular
5 Dec 2997 Partial Lunar
20 Dec 2997 Solar Annular
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15 Jun 2998 Solar Partial
24 Nov 2998 Total Lunar
10 Dec 2998 Solar Partial
6 May 2999 Solar Total
21 May 2999 Partial Lunar
30 Oct 2999 Solar Annular

14 Nov 2999 Total Lunar