

Yearly ephemeris for Leleākūhonua, end of 1299 to 2050

	Long			Long			Long
Dec 25 1299	"03°Cp04"		Dec 25 1569 OS	"15°Cp53"		Dec 25 1839 NS	"10°Aq36"
Dec 25 1300	"03°Cp06"		Dec 25 1570 OS	"15°Cp57"		Dec 25 1840 NS	"10°Aq46"
Dec 25 1301	"03°Cp09"		Dec 25 1571 OS	"16°Cp00"		Dec 25 1841 NS	"10°Aq55"
Dec 25 1302	"03°Cp11"		Dec 25 1572 OS	"16°Cp04"		Dec 25 1842 NS	"11°Aq04"
Dec 25 1303	"03°Cp13"		Dec 25 1573 OS	"16°Cp07"		Dec 25 1843 NS	"11°Aq13"
Dec 25 1304	"03°Cp16"		Dec 25 1574 OS	"16°Cp11"		Dec 25 1844 NS	"11°Aq23"
Dec 25 1305	"03°Cp18"		Dec 25 1575 OS	"16°Cp14"		Dec 25 1845 NS	"11°Aq32"
Dec 25 1306	"03°Cp20"		Dec 25 1576 OS	"16°Cp18"		Dec 25 1846 NS	"11°Aq41"
Dec 25 1307	"03°Cp23"		Dec 25 1577 OS	"16°Cp22"		Dec 25 1847 NS	"11°Aq51"
Dec 25 1308	"03°Cp25"		Dec 25 1578 OS	"16°Cp26"		Dec 25 1848 NS	"12°Aq00"
Dec 25 1309	"03°Cp27"		Dec 25 1579 OS	"16°Cp29"		Dec 25 1849 NS	"12°Aq10"
Dec 25 1310	"03°Cp30"		Dec 25 1580 OS	"16°Cp33"		Dec 25 1850 NS	"12°Aq19"
Dec 25 1311	"03°Cp32"		Dec 25 1581 OS	"16°Cp37"		Dec 25 1851 NS	"12°Aq28"
Dec 25 1312	"03°Cp34"		Dec 25 1582 NS	"16°Cp39"		Dec 25 1852 NS	"12°Aq38"
Dec 25 1313	"03°Cp37"		Dec 25 1583 NS	"16°Cp42"		Dec 25 1853 NS	"12°Aq48"
Dec 25 1314	"03°Cp39"		Dec 25 1584 NS	"16°Cp46"		Dec 25 1854 NS	"12°Aq58"
Dec 25 1315	"03°Cp41"		Dec 25 1585 NS	"16°Cp50"		Dec 25 1855 NS	"13°Aq08"
Dec 25 1316	"03°Cp44"		Dec 25 1586 NS	"16°Cp53"		Dec 25 1856 NS	"13°Aq18"
Dec 25 1317	"03°Cp46"		Dec 25 1587 NS	"16°Cp57"		Dec 25 1857 NS	"13°Aq28"
Dec 25 1318	"03°Cp49"		Dec 25 1588 NS	"17°Cp00"		Dec 25 1858 NS	"13°Aq38"
Dec 25 1319	"03°Cp51"		Dec 25 1589 NS	"17°Cp04"		Dec 25 1859 NS	"13°Aq49"
Dec 25 1320	"03°Cp54"		Dec 25 1590 NS	"17°Cp08"		Dec 25 1860 NS	"13°Aq59"
Dec 25 1321	"03°Cp56"		Dec 25 1591 NS	"17°Cp11"		Dec 25 1861 NS	"14°Aq09"
Dec 25 1322	"03°Cp59"		Dec 25 1592 NS	"17°Cp15"		Dec 25 1862 NS	"14°Aq19"
Dec 25 1323	"04°Cp01"		Dec 25 1593 NS	"17°Cp19"		Dec 25 1863 NS	"14°Aq30"
Dec 25 1324	"04°Cp03"		Dec 25 1594 NS	"17°Cp23"		Dec 25 1864 NS	"14°Aq40"
Dec 25 1325	"04°Cp06"		Dec 25 1595 NS	"17°Cp27"		Dec 25 1865 NS	"14°Aq51"
Dec 25 1326	"04°Cp08"		Dec 25 1596 NS	"17°Cp31"		Dec 25 1866 NS	"15°Aq01"
Dec 25 1327	"04°Cp10"		Dec 25 1597 NS	"17°Cp35"		Dec 25 1867 NS	"15°Aq12"
Dec 25 1328	"04°Cp13"		Dec 25 1598 NS	"17°Cp38"		Dec 25 1868 NS	"15°Aq22"
Dec 25 1329	"04°Cp15"		Dec 25 1599 NS	"17°Cp42"		Dec 25 1869 NS	"15°Aq33"
Dec 25 1330	"04°Cp17"		Dec 25 1600 NS	"17°Cp46"		Dec 25 1870 NS	"15°Aq44"
Dec 25 1331	"04°Cp20"		Dec 25 1601 NS	"17°Cp50"		Dec 25 1871 NS	"15°Aq55"
Dec 25 1332	"04°Cp22"		Dec 25 1602 NS	"17°Cp54"		Dec 25 1872 NS	"16°Aq06"
Dec 25 1333	"04°Cp25"		Dec 25 1603 NS	"17°Cp58"		Dec 25 1873 NS	"16°Aq17"
Dec 25 1334	"04°Cp27"		Dec 25 1604 NS	"18°Cp02"		Dec 25 1874 NS	"16°Aq28"
Dec 25 1335	"04°Cp30"		Dec 25 1605 NS	"18°Cp05"		Dec 25 1875 NS	"16°Aq39"
Dec 25 1336	"04°Cp32"		Dec 25 1606 NS	"18°Cp09"		Dec 25 1876 NS	"16°Aq51"
Dec 25 1337	"04°Cp35"		Dec 25 1607 NS	"18°Cp13"		Dec 25 1877 NS	"17°Aq02"
Dec 25 1338	"04°Cp37"		Dec 25 1608 NS	"18°Cp17"		Dec 25 1878 NS	"17°Aq14"

Dec 25 1339	"04°Cp40""		Dec 25 1609 NS	"18°Cp21""		Dec 25 1879 NS	"17°Aq25""
Dec 25 1340	"04°Cp42""		Dec 25 1610 NS	"18°Cp25""		Dec 25 1880 NS	"17°Aq37""
Dec 25 1341	"04°Cp45""		Dec 25 1611 NS	"18°Cp28""		Dec 25 1881 NS	"17°Aq49""
Dec 25 1342	"04°Cp47""		Dec 25 1612 NS	"18°Cp33""		Dec 25 1882 NS	"18°Aq00""
Dec 25 1343	"04°Cp49""		Dec 25 1613 NS	"18°Cp37""		Dec 25 1883 NS	"18°Aq12""
Dec 25 1344	"04°Cp52""		Dec 25 1614 NS	"18°Cp41""		Dec 25 1884 NS	"18°Aq24""
Dec 25 1345	"04°Cp54""		Dec 25 1615 NS	"18°Cp45""		Dec 25 1885 NS	"18°Aq35""
Dec 25 1346	"04°Cp57""		Dec 25 1616 NS	"18°Cp49""		Dec 25 1886 NS	"18°Aq47""
Dec 25 1347	"04°Cp59""		Dec 25 1617 NS	"18°Cp53""		Dec 25 1887 NS	"18°Aq59""
Dec 25 1348	"05°Cp02""		Dec 25 1618 NS	"18°Cp57""		Dec 25 1888 NS	"19°Aq11""
Dec 25 1349	"05°Cp04""		Dec 25 1619 NS	"19°Cp01""		Dec 25 1889 NS	"19°Aq24""
Dec 25 1350	"05°Cp06""		Dec 25 1620 NS	"19°Cp05""		Dec 25 1890 NS	"19°Aq36""
Dec 25 1351	"05°Cp09""		Dec 25 1621 NS	"19°Cp09""		Dec 25 1891 NS	"19°Aq49""
Dec 25 1352	"05°Cp11""		Dec 25 1622 NS	"19°Cp13""		Dec 25 1892 NS	"20°Aq01""
Dec 25 1353	"05°Cp14""		Dec 25 1623 NS	"19°Cp17""		Dec 25 1893 NS	"20°Aq14""
Dec 25 1354	"05°Cp17""		Dec 25 1624 NS	"19°Cp21""		Dec 25 1894 NS	"20°Aq27""
Dec 25 1355	"05°Cp19""		Dec 25 1625 NS	"19°Cp25""		Dec 25 1895 NS	"20°Aq39""
Dec 25 1356	"05°Cp22""		Dec 25 1626 NS	"19°Cp29""		Dec 25 1896 NS	"20°Aq53""
Dec 25 1357	"05°Cp24""		Dec 25 1627 NS	"19°Cp33""		Dec 25 1897 NS	"21°Aq06""
Dec 25 1358	"05°Cp27""		Dec 25 1628 NS	"19°Cp37""		Dec 25 1898 NS	"21°Aq19""
Dec 25 1359	"05°Cp29""		Dec 25 1629 NS	"19°Cp41""		Dec 25 1899 NS	"21°Aq32""
Dec 25 1360	"05°Cp32""		Dec 25 1630 NS	"19°Cp45""		Dec 25 1900 NS	"21°Aq45""
Dec 25 1361	"05°Cp34""		Dec 25 1631 NS	"19°Cp49""		Dec 25 1901	"21°Aq58""
Dec 25 1362	"05°Cp37""		Dec 25 1632 NS	"19°Cp54""		Dec 25 1902	"22°Aq11""
Dec 25 1363	"05°Cp39""		Dec 25 1633 NS	"19°Cp58""		Dec 25 1903	"22°Aq25""
Dec 25 1364	"05°Cp42""		Dec 25 1634 NS	"20°Cp02""		Dec 25 1904	"22°Aq39""
Dec 25 1365	"05°Cp44""		Dec 25 1635 NS	"20°Cp06""		Dec 25 1905	"22°Aq52""
Dec 25 1366	"05°Cp46""		Dec 25 1636 NS	"20°Cp11""		Dec 25 1906	"23°Aq06""
Dec 25 1367	"05°Cp49""		Dec 25 1637 NS	"20°Cp15""		Dec 25 1907	"23°Aq20""
Dec 25 1368	"05°Cp52""		Dec 25 1638	"20°Cp19""		Dec 25 1908	"23°Aq34""
Dec 25 1369	"05°Cp54""		Dec 25 1639 NS	"20°Cp23""		Dec 25 1909	"23°Aq48""
Dec 25 1370	"05°Cp57""		Dec 25 1640 NS	"20°Cp28""		Dec 25 1910	"24°Aq02""
Dec 25 1371	"05°Cp59""		Dec 25 1641 NS	"20°Cp32""		Dec 25 1911	"24°Aq17""
Dec 25 1372	"06°Cp02""		Dec 25 1642 NS	"20°Cp36""		Dec 25 1912	"24°Aq32""
Dec 25 1373	"06°Cp05""		Dec 25 1643 NS	"20°Cp40""		Dec 25 1913	"24°Aq46""
Dec 25 1374	"06°Cp07""		Dec 25 1644 NS	"20°Cp45""		Dec 25 1914	"25°Aq01""
Dec 25 1375	"06°Cp10""		Dec 25 1645 NS	"20°Cp49""		Dec 25 1915	"25°Aq16""
Dec 25 1376	"06°Cp13""		Dec 25 1646 NS	"20°Cp53""		Dec 25 1916	"25°Aq31""
Dec 25 1377	"06°Cp15""		Dec 25 1647 NS	"20°Cp57""		Dec 25 1917	"25°Aq46""
Dec 25 1378	"06°Cp18""		Dec 25 1648 NS	"21°Cp02""		Dec 25 1918	"26°Aq01""
Dec 25 1379	"06°Cp20""		Dec 25 1649 NS	"21°Cp06""		Dec 25 1919	"26°Aq17""
Dec 25 1380	"06°Cp23""		Dec 25 1650 NS	"21°Cp10""		Dec 25 1920	"26°Aq32""
Dec 25 1381	"06°Cp25""		Dec 25 1651 NS	"21°Cp15""		Dec 25 1921	"26°Aq47""

Dec 25 1382	"06°Cp28"		Dec 25 1652 NS	"21°Cp19"		Dec 25 1922	"27°Aq03"
Dec 25 1383	"06°Cp30"		Dec 25 1653 NS	"21°Cp24"		Dec 25 1923	"27°Aq19"
Dec 25 1384	"06°Cp33"		Dec 25 1654 NS	"21°Cp28"		Dec 25 1924	"27°Aq35"
Dec 25 1385	"06°Cp35"		Dec 25 1655 NS	"21°Cp33"		Dec 25 1925	"27°Aq51"
Dec 25 1386	"06°Cp38"		Dec 25 1656 NS	"21°Cp37"		Dec 25 1926	"28°Aq07"
Dec 25 1387	"06°Cp40"		Dec 25 1657 NS	"21°Cp42"		Dec 25 1927	"28°Aq23"
Dec 25 1388	"06°Cp43"		Dec 25 1658 NS	"21°Cp46"		Dec 25 1928	"28°Aq40"
Dec 25 1389	"06°Cp46"		Dec 25 1659 NS	"21°Cp50"		Dec 25 1929	"28°Aq57"
Dec 25 1390	"06°Cp48"		Dec 25 1660 NS	"21°Cp55"		Dec 25 1930	"29°Aq13"
Dec 25 1391	"06°Cp51"		Dec 25 1661 NS	"21°Cp59"		Dec 25 1931	"29°Aq30"
Dec 25 1392	"06°Cp54"		Dec 25 1662 NS	"22°Cp04"		Dec 25 1932	"29°Aq47"
Dec 25 1393	"06°Cp57"		Dec 25 1663 NS	"22°Cp08"		Dec 25 1933	"00°Pi05"
Dec 25 1394	"06°Cp59"		Dec 25 1664 NS	"22°Cp13"		Dec 25 1934	"00°Pi22"
Dec 25 1395	"07°Cp02"		Dec 25 1665 NS	"22°Cp17"		Dec 25 1935	"00°Pi39"
Dec 25 1396	"07°Cp05"		Dec 25 1666 NS	"22°Cp22"		Dec 25 1936	"00°Pi57"
Dec 25 1397	"07°Cp07"		Dec 25 1667 NS	"22°Cp26"		Dec 25 1937	"01°Pi15"
Dec 25 1398	"07°Cp10"		Dec 25 1668 NS	"22°Cp31"		Dec 25 1938	"01°Pi33"
Dec 25 1399	"07°Cp12"		Dec 25 1669 NS	"22°Cp36"		Dec 25 1939	"01°Pi51"
Dec 25 1400	"07°Cp15"		Dec 25 1670 NS	"22°Cp40"		Dec 25 1940	"02°Pi09"
Dec 25 1401	"07°Cp18"		Dec 25 1671 NS	"22°Cp45"		Dec 25 1941	"02°Pi28"
Dec 25 1402	"07°Cp20"		Dec 25 1672 NS	"22°Cp50"		Dec 25 1942	"02°Pi46"
Dec 25 1403	"07°Cp23"		Dec 25 1673 NS	"22°Cp54"		Dec 25 1943	"03°Pi04"
Dec 25 1404	"07°Cp26"		Dec 25 1674 NS	"22°Cp59"		Dec 25 1944	"03°Pi23"
Dec 25 1405	"07°Cp28"		Dec 25 1675 NS	"23°Cp04"		Dec 25 1945	"03°Pi42"
Dec 25 1406	"07°Cp31"		Dec 25 1676 NS	"23°Cp09"		Dec 25 1946	"04°Pi02"
Dec 25 1407	"07°Cp33"		Dec 25 1677 NS	"23°Cp13"		Dec 25 1947	"04°Pi21"
Dec 25 1408	"07°Cp36"		Dec 25 1678 NS	"23°Cp18"		Dec 25 1948	"04°Pi41"
Dec 25 1409	"07°Cp39"		Dec 25 1679 NS	"23°Cp23"		Dec 25 1949	"05°Pi01"
Dec 25 1410	"07°Cp42"		Dec 25 1680 NS	"23°Cp27"		Dec 25 1950	"05°Pi21"
Dec 25 1411	"07°Cp45"		Dec 25 1681 NS	"23°Cp32"		Dec 25 1951	"05°Pi41"
Dec 25 1412	"07°Cp47"		Dec 25 1682 NS	"23°Cp37"		Dec 25 1952	"06°Pi02"
Dec 25 1413	"07°Cp50"		Dec 25 1683 NS	"23°Cp41"		Dec 25 1953	"06°Pi22"
Dec 25 1414	"07°Cp53"		Dec 25 1684 NS	"23°Cp46"		Dec 25 1954	"06°Pi43"
Dec 25 1415	"07°Cp56"		Dec 25 1685 NS	"23°Cp51"		Dec 25 1955	"07°Pi03"
Dec 25 1416	"07°Cp58"		Dec 25 1686 NS	"23°Cp56"		Dec 25 1956	"07°Pi25"
Dec 25 1417	"08°Cp01"		Dec 25 1687 NS	"24°Cp01"		Dec 25 1957	"07°Pi46"
Dec 25 1418	"08°Cp04"		Dec 25 1688 NS	"24°Cp06"		Dec 25 1958	"08°Pi07"
Dec 25 1419	"08°Cp06"		Dec 25 1689 NS	"24°Cp11"		Dec 25 1959	"08°Pi29"
Dec 25 1420	"08°Cp09"		Dec 25 1690 NS	"24°Cp16"		Dec 25 1960	"08°Pi51"
Dec 25 1421	"08°Cp12"		Dec 25 1691 NS	"24°Cp21"		Dec 25 1961	"09°Pi13"
Dec 25 1422	"08°Cp14"		Dec 25 1692 NS	"24°Cp26"		Dec 25 1962	"09°Pi35"
Dec 25 1423	"08°Cp17"		Dec 25 1693 NS	"24°Cp31"		Dec 25 1963	"09°Pi58"
Dec 25 1424	"08°Cp20"		Dec 25 1694 NS	"24°Cp36"		Dec 25 1964	"10°Pi21"

Dec 25 1425	"08°Cp22"		Dec 25 1695 NS	"24°Cp40"		Dec 25 1965	"10°Pi44"
Dec 25 1426	"08°Cp25"		Dec 25 1696 NS	"24°Cp46"		Dec 25 1966	"11°Pi07"
Dec 25 1427	"08°Cp28"		Dec 25 1697 NS	"24°Cp50"		Dec 25 1967	"11°Pi30"
Dec 25 1428	"08°Cp31"		Dec 25 1698 NS	"24°Cp55"		Dec 25 1968	"11°Pi54"
Dec 25 1429	"08°Cp34"		Dec 25 1699 NS	"25°Cp00"		Dec 25 1969	"12°Pi18"
Dec 25 1430	"08°Cp37"		Dec 25 1700 NS	"25°Cp05"		Dec 25 1970	"12°Pi42"
Dec 25 1431	"08°Cp39"		Dec 25 1701 NS	"25°Cp10"		Dec 25 1971	"13°Pi07"
Dec 25 1432	"08°Cp42"		Dec 25 1702 NS	"25°Cp15"		Dec 25 1972	"13°Pi32"
Dec 25 1433	"08°Cp45"		Dec 25 1703 NS	"25°Cp20"		Dec 25 1973	"13°Pi57"
Dec 25 1434	"08°Cp48"		Dec 25 1704 NS	"25°Cp25"		Dec 25 1974	"14°Pi22"
Dec 25 1435	"08°Cp51"		Dec 25 1705 NS	"25°Cp31"		Dec 25 1975	"14°Pi47"
Dec 25 1436	"08°Cp54"		Dec 25 1706 NS	"25°Cp36"		Dec 25 1976	"15°Pi13"
Dec 25 1437	"08°Cp56"		Dec 25 1707 NS	"25°Cp41"		Dec 25 1977	"15°Pi39"
Dec 25 1438	"08°Cp59"		Dec 25 1708 NS	"25°Cp46"		Dec 25 1978	"16°Pi05"
Dec 25 1439	"09°Cp02"		Dec 25 1709 NS	"25°Cp52"		Dec 25 1979	"16°Pi31"
Dec 25 1440	"09°Cp04"		Dec 25 1710 NS	"25°Cp57"		Dec 25 1980	"16°Pi58"
Dec 25 1441	"09°Cp07"		Dec 25 1711 NS	"26°Cp02"		Dec 25 1981	"17°Pi25"
Dec 25 1442	"09°Cp10"		Dec 25 1712 NS	"26°Cp08"		Dec 25 1982	"17°Pi52"
Dec 25 1443	"09°Cp13"		Dec 25 1713 NS	"26°Cp13"		Dec 25 1983	"18°Pi20"
Dec 25 1444	"09°Cp16"		Dec 25 1714 NS	"26°Cp18"		Dec 25 1984	"18°Pi48"
Dec 25 1445	"09°Cp19"		Dec 25 1715 NS	"26°Cp23"		Dec 25 1985	"19°Pi16"
Dec 25 1446	"09°Cp21"		Dec 25 1716 NS	"26°Cp29"		Dec 25 1986	"19°Pi45"
Dec 25 1447	"09°Cp24"		Dec 25 1717 NS	"26°Cp34"		Dec 25 1987	"20°Pi14"
Dec 25 1448	"09°Cp27"		Dec 25 1718 NS	"26°Cp39"		Dec 25 1988	"20°Pi43"
Dec 25 1449	"09°Cp30"		Dec 25 1719 NS	"26°Cp44"		Dec 25 1989	"21°Pi13"
Dec 25 1450	"09°Cp33"		Dec 25 1720 NS	"26°Cp50"		Dec 25 1990	"21°Pi43"
Dec 25 1451	"09°Cp36"		Dec 25 1721 NS	"26°Cp55"		Dec 25 1991	"22°Pi13"
Dec 25 1452	"09°Cp39"		Dec 25 1722 NS	"27°Cp00"		Dec 25 1992	"22°Pi43"
Dec 25 1453	"09°Cp42"		Dec 25 1723 NS	"27°Cp06"		Dec 25 1993	"23°Pi14"
Dec 25 1454	"09°Cp45"		Dec 25 1724 NS	"27°Cp12"		Dec 25 1994	"23°Pi45"
Dec 25 1455	"09°Cp47"		Dec 25 1725 NS	"27°Cp17"		Dec 25 1995	"24°Pi16"
Dec 25 1456	"09°Cp50"		Dec 25 1726 NS	"27°Cp23"		Dec 25 1996	"24°Pi48"
Dec 25 1457	"09°Cp53"		Dec 25 1727 NS	"27°Cp28"		Dec 25 1997	"25°Pi20"
Dec 25 1458	"09°Cp56"		Dec 25 1728 NS	"27°Cp34"		Dec 25 1998	"25°Pi52"
Dec 25 1459	"09°Cp59"		Dec 25 1729 NS	"27°Cp40"		Dec 25 1999	"26°Pi25"
Dec 25 1460	"10°Cp02"		Dec 25 1730 NS	"27°Cp45"		Dec 25 2000	"26°Pi59"
Dec 25 1461	"10°Cp05"		Dec 25 1731 NS	"27°Cp51"		Dec 25 2001	"27°Pi32"
Dec 25 1462	"10°Cp07"		Dec 25 1732 NS	"27°Cp57"		Dec 25 2002	"28°Pi06"
Dec 25 1463	"10°Cp10"		Dec 25 1733 NS	"28°Cp02"		Dec 25 2003	"28°Pi40"
Dec 25 1464	"10°Cp14"		Dec 25 1734 NS	"28°Cp08"		Dec 25 2004	"29°Pi15"
Dec 25 1465	"10°Cp17"		Dec 25 1735 NS	"28°Cp13"		Dec 25 2005	"29°Pi50"
Dec 25 1466	"10°Cp20"		Dec 25 1736 NS	"28°Cp19"		Dec 25 2006	"00°Ar25"
Dec 25 1467	"10°Cp23"		Dec 25 1737 NS	"28°Cp25"		Dec 25 2007	"01°Ar01"

Dec 25 1468	"10°Cp26"		Dec 25 1738 NS	"28°Cp30"		Dec 25 2008	"01°Ar38"
Dec 25 1469	"10°Cp29"		Dec 25 1739 NS	"28°Cp36"		Dec 25 2009	"02°Ar14"
Dec 25 1470	"10°Cp32"		Dec 25 1740 NS	"28°Cp42"		Dec 25 2010	"02°Ar51"
Dec 25 1471	"10°Cp34"		Dec 25 1741 NS	"28°Cp48"		Dec 25 2011	"03°Ar29"
Dec 25 1472	"10°Cp38"		Dec 25 1742 NS	"28°Cp53"		Dec 25 2012	"04°Ar07"
Dec 25 1473	"10°Cp40"		Dec 25 1743 NS	"28°Cp59"		Dec 25 2013	"04°Ar45"
Dec 25 1474	"10°Cp43"		Dec 25 1744 NS	"29°Cp05"		Dec 25 2014	"05°Ar23"
Dec 25 1475	"10°Cp46"		Dec 25 1745 NS	"29°Cp11"		Dec 25 2015	"06°Ar02"
Dec 25 1476	"10°Cp49"		Dec 25 1746 NS	"29°Cp17"		Dec 25 2016	"06°Ar41"
Dec 25 1477	"10°Cp52"		Dec 25 1747 NS	"29°Cp23"		Dec 25 2017	"07°Ar21"
Dec 25 1478	"10°Cp55"		Dec 25 1748 NS	"29°Cp30"		Dec 25 2018	"08°Ar01"
Dec 25 1479	"10°Cp58"		Dec 25 1749 NS	"29°Cp36"		Dec 25 2019	"08°Ar42"
Dec 25 1480	"11°Cp01"		Dec 25 1750 NS	"29°Cp42"		Dec 25 2020	"09°Ar23"
Dec 25 1481	"11°Cp04"		Dec 25 1751 NS	"29°Cp48"		Dec 25 2021	"10°Ar05"
Dec 25 1482	"11°Cp07"		Dec 25 1752 NS	"29°Cp54"		Dec 25 2022	"10°Ar47"
Dec 25 1483	"11°Cp10"		Dec 25 1753 NS	"00°Aq00"		Dec 25 2023	"11°Ar30' R"
Dec 25 1484	"11°Cp13"		Dec 25 1754 NS	"00°Aq06"		Dec 25 2024	"12°Ar13"
Dec 25 1485	"11°Cp16"		Dec 25 1755 NS	"00°Aq12"		Dec 25 2025	"12°Ar57"
Dec 25 1486	"11°Cp20"		Dec 25 1756 NS	"00°Aq18"		Dec 25 2026	"13°Ar41"
Dec 25 1487	"11°Cp23"		Dec 25 1757 NS	"00°Aq24"		Dec 25 2027	"14°Ar25"
Dec 25 1488	"11°Cp26"		Dec 25 1758 NS	"00°Aq30"		Dec 25 2028	"15°Ar09"
Dec 25 1489	"11°Cp29"		Dec 25 1759 NS	"00°Aq36"		Dec 25 2029	"15°Ar55"
Dec 25 1490	"11°Cp32"		Dec 25 1760 NS	"00°Aq43"		Dec 25 2030	"16°Ar40"
Dec 25 1491	"11°Cp35"		Dec 25 1761 NS	"00°Aq49"		Dec 25 2031	"17°Ar26"
Dec 25 1492	"11°Cp38"		Dec 25 1762 NS	"00°Aq55"		Dec 25 2032	"18°Ar13"
Dec 25 1493	"11°Cp41"		Dec 25 1763 NS	"01°Aq02"		Dec 25 2033	"19°Ar00"
Dec 25 1494	"11°Cp44"		Dec 25 1764 NS	"01°Aq08"		Dec 25 2034	"19°Ar47"
Dec 25 1495	"11°Cp47"		Dec 25 1765 NS	"01°Aq15"		Dec 25 2035	"20°Ar35"
Dec 25 1496	"11°Cp50"		Dec 25 1766 NS	"01°Aq21"		Dec 25 2036	"21°Ar23"
Dec 25 1497	"11°Cp53"		Dec 25 1767 NS	"01°Aq28"		Dec 25 2037	"22°Ar12"
Dec 25 1498	"11°Cp56"		Dec 25 1768 NS	"01°Aq34"		Dec 25 2038	"23°Ar01"
Dec 25 1499	"11°Cp59"		Dec 25 1769 NS	"01°Aq41"		Dec 25 2039	"23°Ar51"
Dec 25 1500 OS	"12°Cp02"		Dec 25 1770 NS	"01°Aq47"		Dec 25 2040	"24°Ar41"
Dec 25 1501 OS	"12°Cp06"		Dec 25 1771 NS	"01°Aq53"		Dec 25 2041	"25°Ar31"
Dec 25 1502 OS	"12°Cp09"		Dec 25 1772 NS	"02°Aq00"		Dec 25 2042	"26°Ar22"
Dec 25 1503 OS	"12°Cp12"		Dec 25 1773 NS	"02°Aq07"		Dec 25 2043	"27°Ar14"
Dec 25 1504 OS	"12°Cp15"		Dec 25 1774 NS	"02°Aq13"		Dec 25 2044	"28°Ar06"
Dec 25 1505 OS	"12°Cp18"		Dec 25 1775 NS	"02°Aq20"		Dec 25 2045	"28°Ar58"
Dec 25 1506 OS	"12°Cp22"		Dec 25 1776 NS	"02°Aq26"		Dec 25 2046	"29°Ar51"
Dec 25 1507 OS	"12°Cp25"		Dec 25 1777 NS	"02°Aq33"		Dec 25 2047	"00°Ta44"
Dec 25 1508 OS	"12°Cp28"		Dec 25 1778 NS	"02°Aq40"		Dec 25 2048	"01°Ta38"
Dec 25 1509 OS	"12°Cp31"		Dec 25 1779 NS	"02°Aq46"		Dec 25 2049	"02°Ta31"
Dec 25 1510 OS	"12°Cp34"		Dec 25 1780 NS	"02°Aq53"		Dec 25 2050	"03°Ta26"

Dec 25 1511 OS	"12°Cp37"		Dec 25 1781 NS	"03°Aq00"	
Dec 25 1512 OS	"12°Cp41"		Dec 25 1782 NS	"03°Aq07"	
Dec 25 1513 OS	"12°Cp44"		Dec 25 1783 NS	"03°Aq14"	
Dec 25 1514 OS	"12°Cp47"		Dec 25 1784 NS	"03°Aq21"	
Dec 25 1515 OS	"12°Cp50"		Dec 25 1785 NS	"03°Aq28"	
Dec 25 1516 OS	"12°Cp53"		Dec 25 1786 NS	"03°Aq35"	
Dec 25 1517 OS	"12°Cp56"		Dec 25 1787 NS	"03°Aq42"	
Dec 25 1518 OS	"12°Cp59"		Dec 25 1788 NS	"03°Aq50"	
Dec 25 1519 OS	"13°Cp03"		Dec 25 1789 NS	"03°Aq56"	
Dec 25 1520 OS	"13°Cp06"		Dec 25 1790 NS	"04°Aq03"	
Dec 25 1521 OS	"13°Cp09"		Dec 25 1791 NS	"04°Aq10"	
Dec 25 1522 OS	"13°Cp13"		Dec 25 1792 NS	"04°Aq18"	
Dec 25 1523 OS	"13°Cp16"		Dec 25 1793 NS	"04°Aq25"	
Dec 25 1524 OS	"13°Cp20"		Dec 25 1794 NS	"04°Aq32"	
Dec 25 1525 OS	"13°Cp23"		Dec 25 1795 NS	"04°Aq39"	
Dec 25 1526 OS	"13°Cp26"		Dec 25 1796 NS	"04°Aq47"	
Dec 25 1527 OS	"13°Cp29"		Dec 25 1797 NS	"04°Aq54"	
Dec 25 1528 OS	"13°Cp33"		Dec 25 1798 NS	"05°Aq01"	
Dec 25 1529 OS	"13°Cp36"		Dec 25 1799 NS	"05°Aq09"	
Dec 25 1530 OS	"13°Cp39"		Dec 25 1800 NS	"05°Aq16"	
Dec 25 1531 OS	"13°Cp42"		Dec 25 1801 NS	"05°Aq23"	
Dec 25 1532 OS	"13°Cp46"		Dec 25 1802 NS	"05°Aq31"	
Dec 25 1533 OS	"13°Cp49"		Dec 25 1803 NS	"05°Aq38"	
Dec 25 1534 OS	"13°Cp52"		Dec 25 1804 NS	"05°Aq46"	
Dec 25 1535 OS	"13°Cp55"		Dec 25 1805 NS	"05°Aq54"	
Dec 25 1536 OS	"13°Cp59"		Dec 25 1806 NS	"06°Aq01"	
Dec 25 1537 OS	"14°Cp02"		Dec 25 1807 NS	"06°Aq09"	
Dec 25 1538 OS	"14°Cp05"		Dec 25 1808 NS	"06°Aq17"	
Dec 25 1539 OS	"14°Cp09"		Dec 25 1809 NS	"06°Aq25"	
Dec 25 1540 OS	"14°Cp12"		Dec 25 1810 NS	"06°Aq32"	
Dec 25 1541 OS	"14°Cp16"		Dec 25 1811 NS	"06°Aq40"	
Dec 25 1542 OS	"14°Cp19"		Dec 25 1812 NS	"06°Aq48"	
Dec 25 1543 OS	"14°Cp23"		Dec 25 1813 NS	"06°Aq56"	
Dec 25 1544 OS	"14°Cp26"		Dec 25 1814 NS	"07°Aq03"	
Dec 25 1545 OS	"14°Cp30"		Dec 25 1815 NS	"07°Aq11"	
Dec 25 1546 OS	"14°Cp33"		Dec 25 1816 NS	"07°Aq20"	
Dec 25 1547 OS	"14°Cp36"		Dec 25 1817 NS	"07°Aq28"	
Dec 25 1548 OS	"14°Cp40"		Dec 25 1818 NS	"07°Aq36"	
Dec 25 1549 OS	"14°Cp43"		Dec 25 1819 NS	"07°Aq44"	
Dec 25 1550 OS	"14°Cp46"		Dec 25 1820 NS	"07°Aq53"	
Dec 25 1551 OS	"14°Cp50"		Dec 25 1821 NS	"08°Aq01"	
Dec 25 1552 OS	"14°Cp53"		Dec 25 1822 NS	"08°Aq09"	

Dec 25 1553 OS	"14°Cp57'"		Dec 25 1823 NS	"08°Aq17'"	
Dec 25 1554 OS	"15°Cp00'"		Dec 25 1824 NS	"08°Aq26'"	
Dec 25 1555 OS	"15°Cp03'"		Dec 25 1825 NS	"08°Aq34'"	
Dec 25 1556 OS	"15°Cp07'"		Dec 25 1826 NS	"08°Aq43'"	
Dec 25 1557 OS	"15°Cp11'"		Dec 25 1827 NS	"08°Aq51'"	
Dec 25 1558 OS	"15°Cp14'"		Dec 25 1828 NS	"08°Aq59'"	
Dec 25 1559 OS	"15°Cp18'"		Dec 25 1829 NS	"09°Aq08'"	
Dec 25 1560 OS	"15°Cp21'"		Dec 25 1830 NS	"09°Aq16'"	
Dec 25 1561 OS	"15°Cp25'"		Dec 25 1831 NS	"09°Aq25'"	
Dec 25 1562 OS	"15°Cp29'"		Dec 25 1832 NS	"09°Aq34'"	
Dec 25 1563 OS	"15°Cp32'"		Dec 25 1833 NS	"09°Aq43'"	
Dec 25 1564 OS	"15°Cp36'"		Dec 25 1834 NS	"09°Aq51'"	
Dec 25 1565 OS	"15°Cp39'"		Dec 25 1835 NS	"10°Aq00'"	
Dec 25 1566 OS	"15°Cp43'"		Dec 25 1836 NS	"10°Aq09'"	
Dec 25 1567 OS	"15°Cp46'"		Dec 25 1837 NS	"10°Aq18'"	
Dec 25 1568 OS	"15°Cp50'"		Dec 25 1838 NS	"10°Aq27'"	