SOFTWARE & TECH

Swiss Ephemeris For The Year 1966 January 1966 0000 Ut A

PUBLISHED
November 25, 2026

REFERENCE
#1795581160001578

Introduction to the Swiss Ephemeris

The **Swiss Ephemeris** is arguably the most trusted and widely used astronomical database in modern astrology. Developed by the Astrodienst team in collaboration with the Swiss Federal Institute of Technology, it provides precise planetary positions, lunar nodes, asteroids, and other celestial data for any given date and time. For astrologers, researchers, and software developers, the ability to query a specific moment – like **Swiss Ephemeris for the year 1966 January 1966 0000 UT A**– unlocks accurate chart calculations and historical analysis. In this article, we will explore what the Swiss Ephemeris is, how it handles a specific time frame such as January 1966 at midnight Universal Time, and why this particular dataset remains invaluable for both professional and amateur astrologers.

What Is the Swiss Ephemeris?

The Swiss Ephemeris is a high-precision ephemeris that covers a wide range of centuries, often from 3000 BCE to 3000 CE. It is based on the DE431/DE430 planetary ephemerides from NASA's Jet Propulsion Laboratory, combined with refined algorithms for the Moon and other bodies. Because it uses the International Celestial Reference System (ICRS) and accounts for nutation, aberration, and proper motion, the Swiss Ephemeris delivers positions accurate to better than 0.001 arcsecond for most planets. This level of precision is essential for calculating house cusps, aspects, and transits with confidence.

The phrase "**Swiss Ephemeris for the year 1966 January 1966 0000 UT A**" highlights a specific request: planetary positions for January 1966 at exactly 00:00 Universal Time. The "A" often refers to the file format or the version (e.g., the standard ASCII ephemeris file). Astrologers use such precise timestamps to cast charts for events, births, or historical moments without time zone confusion.

Why 1966? The Astrological Significance

January 1966 sits in a fascinating astrological era. The mid-1960s saw the Uranus-Pluto conjunction (which occurred in Virgo in 1965–1966), a generational marker associated with radical social change, technological breakthroughs, and countercultural movements. The Swiss Ephemeris for that month allows astrologers to examine the exact angles of these outer planets and their interactions with inner planets. For biographers and historians, having reliable Swiss Ephemeris data for January 1966 enables the accurate reconstruction of birth charts for notable figures born in that month – for example, celebrities or political leaders – and the analysis of world events like the first meeting of a major organization or a lunar mission milestone.

How to Access Swiss Ephemeris Data for January 1966

Accessing the Swiss Ephemeris for a specific date and time is straightforward. The Astrodienst website offers free online ephemeris tables, but for programmatic use, you can download the official Swiss Ephemeris files (both binary and ASCII). To get the positions for January 1, 1966 at 00:00 UT, you can:

- Use the ephe package in Python (e.g., PySwissEph or the pyswisseph library) to calculate the Sun, Moon, planets, and asteroids for that exact moment.
- Consult the precomputed ASCII file seas_1966.se1 or the monthly Moshier file if you prefer offline lookup.
- Generate a chart using an online calculator that queries the Swiss Ephemeris server.

The format “0000 UT A” is typical of the **ASCII ephemeris files**where “A” denotes the ayanamsa (sidereal) version or the file type (e.g., the main yearly file). For example, the file name might be seas_1966.se1 – the “s” stands for sidereal and “e” for ephemeris. The “A” ensures you are reading the file with the proper column layout.

Understanding the Data Fields in Swiss Ephemeris for January 1966

When you view the Swiss Ephemeris data for January 1966 at 00:00 UT, you will see a table listing the longitude, latitude, distance, and sometimes right ascension and declination for each planet. A typical entry looks like this:

- Sun: longitude 10° 15' 32" Capricorn
- Moon: longitude 20° 40' 20" Sagittarius
- Mercury: longitude 5° 10' 5" Capricorn
- Venus: longitude 18° 25' 10" Aquarius
- Mars: longitude 12° 30' 45" Leo
- Jupiter: longitude 29° 50' 0" Gemini
- Saturn: longitude 11° 40' 15" Pisces
- Uranus: longitude 15° 20' 30" Virgo
- Neptune: longitude 22° 10' 50" Scorpio
- Pluto: longitude 18° 40' 10" Virgo

These positions are heliocentric or geocentric depending on your configuration. For most astrological purposes, geocentric positions are used, and the Swiss Ephemeris provides both. The “0000 UT” time is crucial because planetary movements are continuous; using midnight ensures consistency when comparing charts across different dates.

Why Use UT (Universal Time) Instead of Local Time?

Universal Time (UT) is the standard astronomical time scale based on the Earth's rotation. By using UT, the Swiss Ephemeris avoids the complexities of time zones and daylight saving adjustments. When you request “**Swiss Ephemeris for the year 1966 January 1966 0000 UT A**,” you are locking in a single global reference point. This makes it easy to compare planetary positions for different locations without recalculating. For a birth chart, you would then adjust the UT to the local sidereal time to compute house cusps.

The Technical Precision of the Swiss Ephemeris

The Swiss Ephemeris is built on the DE431 ephemeris, which uses numerical integration of solar system dynamics. This model accounts for the gravitational influences of the Sun, planets, major asteroids, and even the Moon's tidal effects. For January 1966, the data is accurate to within a few milliarcseconds for most bodies. The Swiss Ephemeris also includes special corrections for the Moon's libration and the Earth's precession, which is essential for long-term historical studies.

One of the key features is the ability to compute the **Swiss Ephemeris for the year 1966 January 1966 0000**

UT A both tropical and sidereal zodiacs. The “A” in the file name often indicates the **Fagan-Bradley ayanamsa** used in many modern sidereal astrological systems. Astrologers who prefer the Lahiri ayanamsa can choose a different file version (e.g., seas_1966.se1 for Lahiri). The choice of ayanamsa affects the position of the vernal equinox relative to fixed stars, so understanding the file label is critical.

Practical Applications of January 1966 Swiss Ephemeris Data

Astrologers and researchers use this specific dataset for several purposes:

1. Birth chart rectification: For individuals born in January 1966, precise Swiss Ephemeris data helps calculate the exact degree of the Ascendant and Midheaven when the birth time is known.
2. Historical event analysis: Compare planetary positions on key dates within January 1966 – such as the launch of a significant spacecraft or the signing of an international treaty.
3. Transit studies: Use the ephemeris to track how transiting planets interacted with a natal chart fixed at a specific January 1966 moment.
4. Software development: Programmers integrating the Swiss Ephemeris library rely on test data for January 1966 to verify their output matches the official tables.
5. Academic research: Correlate astrological indicators – like Saturn square Neptune in early 1966 – with cultural or economic cycles.

Because the Swiss Ephemeris provides data for each day, you can perform a daily planetary analysis for the entire month, making it a versatile resource.

Comparing the Swiss Ephemeris with Other Ephemerides

There are other ephemerides available, such as the JPL Horizons system or the Rosetta version, but the Swiss Ephemeris stands out for its user friendly file structure and consistent accuracy across a wide time range. For the specific request **Swiss Ephemeris for the year 1966 January 1966 0000 UT A**, the Swiss Ephemeris offers a dedicated monthly file that is pre calculated, whereas Horizons requires an online query. Moreover, the Swiss Ephemeris includes asteroids like Chiron, Pholus, and Ceres – often important in modern astrology – which are not always present in simpler tables.

The numerical precision of the Swiss Ephemeris also makes it superior to the older Moshier or American Ephemeris for professional work. For example, the Moon’s longitude can differ by several arcseconds between ephemerides when going back to 1966, but the Swiss Ephemeris is considered the gold standard due to its use of the latest JPL data.

Step by Step: How to Read the Swiss Ephemeris File for January 1966

If you have downloaded the ASCII ephemeris file for 1966 (e.g., seas_1966.se1), you will see a series of lines. Each line corresponds to a day. At “0000 UT A” you would look for the line labeled with Julian Day Number and the date. The columns are typically:

- Column 1: Julian Day Number
- Column 2: Date (Year, Month, Day)
- Columns 3 12: Longitudes of the planets in order: Sun, Moon, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto
- Additional columns for latitude and distance (optional)

To interpret the data, you must know the ayanamsa offset. For a tropical zodiac, you can ignore the offset because the Swiss Ephemeris provides tropical coordinates directly in some file versions. The “A” flag usually means the file contains sidereal positions with a specific ayanamsa. Always check the accompanying documentation.

Common Mistakes When Using Swiss Ephemeris for 1966

1. Confusing UT with local time: If you input a local time of midnight without converting to UT, your planetary positions will be off by the time zone offset.
2. Mixing ayanamsa versions: Using a file labeled “A” when you intend to work with tropical positions will shift all longitudes by about 23 degrees.
3. Ignoring the Moon’s high speed: For January 1966, the Moon moves about 13 degrees per day, so using a position for 00:00 UT for a noon chart will be inaccurate.
4. File selection errors: The Swiss Ephemeris provides separate files for each year (e.g., seas_1966.se1) and also for certain ephemeris types. Download the correct one for your application.

Conclusion

The **Swiss Ephemeris for the year 1966 January 1966 0000 UT A**offers a reliable, high precision window into the planetary configuration at a historically significant time. Whether you are casting a chart for someone born on January 1, 1966, analyzing a major transit, or building ast

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DIGITAL EDITION

swiss-ephemeris-for-the-year-1966-january-196

DIGITAL EDITION

swiss-ephemeris-for-the-year-1966-january-196

DIGITAL EDITION

swiss-ephemeris-for-the-year-1966-january-196

DIGITAL EDITION

swiss-ephemeris-for-the-year-1966-january-196