HOROSCOPE CLI - Complete User Manual

Professional Astronomical Calculations & Multi-Cultural Calendar Systems

HoroscopeCLI Team

July 2025
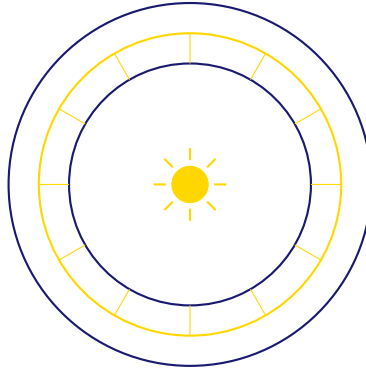
Contents

HOROSCOPE CLI

COMPLETE USER MANUAL & GUIDE

THE MOST COMPREHENSIVE COMMAND-LINE ASTROLOGY TOOLKIT EVER CREATED

KEY FEATURES
Professional Astronomical Calculations
Multi-Cultural Calendar Systems
Historical BC Era Support (6000 BC+)
Swiss Ephemeris Integration
Birth Charts & Vedic Astrology
Hindu & Myanmar Calendars
Eclipse & Conjunction Analysis
KP System & Ephemeris Tables
Over 100 Practical Examples
Professional-Grade Accuracy

VERSION 2.0.0 • JULY 2025

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Contents

0.1   TABLE OF CONTENTS

0.2   Advanced QUICK START

0.2.1   Fast Installation (2 Minutes)

```
# Clone the repository
git clone https://github.com/BlacMeW/horoscope_cli.git
cd horoscope_cli


# Build (choose one method)
make                         # Simple Makefile build
# OR
mkdir build && cd build && cmake .. && make      # CMake build
```

0.2.2   Your First Chart (30 Seconds)

```
# Basic birth chart
./bin/horoscope_cli --date 1990-01-15 --time 14:30:00 \
                --lat 40.7128 --lon -74.0060 --timezone -5


# With visual chart
./bin/horoscope_cli --date 1990-01-15 --time 14:30:00 \
                --lat 40.7128 --lon -74.0060 --timezone -5 \
                --chart-style western


# Today's Hindu calendar
./bin/horoscope_cli --panchanga \
                --lat 28.6139 --lon 77.2090 --timezone 5.5 \
                --date $(date +%Y-%m-%d) --time 12:00:00
```

0.3   List REQUIRED PARAMETERS

0.3.1   Location & Time Essentials

Parameter	Format	Description	Examples
--date	YYYY-MM-DD	Birth date (supports BC)	1990-01-15, 44BC-03-15, -0043-03-15
--time	HH:MM:SS	Birth time (24-hour)	14:30:00, 09:15:30, 23:45:12
--lat	$\pm$DD.DDDD	Latitude $(\pm90°)$|`40.7128`$(NYC),$ `$-33.8688$`$(Sydney)$||`$--lon$`|`$\pm DDD.DDDD$`|$Longitude(\pm180°)$|`$-74.0060$`$(NYC),$`$151.2093$`$(Sydney)$||`$--timezone$`|`$\pm$$H.H$| UTC offset |-5(EST),5.5(India),9` (JST)

0.3.2   Quick Location Setup

```
# Use predefined locations
./bin/horoscope_cli --location "New York" --date 1990-01-15 --time 14:30:00

# Search available locations
./bin/horoscope_cli --search-location "London"
./bin/horoscope_cli --list-locations
```

0.4   BIRTH CHART GENERATION

0.4.1   Design Chart Styles

Style	Command	Best For
Western	`--chart-style western`	Western astrology, psychological analysis
North Indian	`--chart-style north-indian`	Vedic astrology, traditional Indian
Classical **South Indian**	`--chart-style south-indian`	Tamil Nadu, Karnataka, Andhra Pradesh
East Indian	`--chart-style east-indian`	Bengali, Oriya traditions
Cosmic **Solar System**	`--chart-style solar-system`	Orbital mechanics, astronomy

0.4.1.1 Chart Western Chart Example

```
./bin/horoscope_cli --date 1990-01-15 --time 14:30:00 \
                --lat 40.7128 --lon -74.0060 --timezone -5 \
                --chart-style western --house-system placidus
```

Sample Output:

```
            \textcolor{gold}{} WESTERN ASTROLOGICAL CHART \textcolor{gold}{}


                    MC (29° \textcolor{darkblue}{Sagittarius})
                         |
            \textcolor{darkblue}{Capricorn}    \textcolor{darkblue}{Aquarius}  |  \tex
        Jupiter      \textcolor{darkblue}{Moon}    |   Mercury    Venus
    \textcolor{darkblue}{Aquarius}                    \textcolor{darkblue}{Taurus}
             |  |  |
         Pluto  |  |  |  \textcolor{gold}{Sun}
    \textcolor{darkblue}{Pisces}                    \textcolor{darkblue}{Gemini}
                    |
        \textcolor{darkblue}{Scorpio}    \textcolor{darkblue}{Libra}  |  \textcol
                    |
              IC (29° \textcolor{darkblue}{Gemini})

\textcolor{gold}{} PLANETARY POSITIONS:
\textcolor{gold}{Sun} Sun:        25°42' \textcolor{darkblue}{Capricorn} Capricorn    (House 5)
\textcolor{darkblue}{Moon} Moon:      12°18' \textcolor{darkblue}{Scorpio} Scorpio      (House
Mercury Mercury:   05°33' \textcolor{darkblue}{Aquarius} Aquarius     (House 6)
Venus Venus:     18°25' \textcolor{darkblue}{Pisces} Pisces       (House 7)
Mars Mars:      22°17' \textcolor{darkblue}{Sagittarius} Sagittarius  (House 4)
Jupiter Jupiter:   08°44' \textcolor{darkblue}{Cancer} Cancer       (House 11)
Saturn Saturn:    15°32' \textcolor{darkblue}{Capricorn} Capricorn    (House 5)
Uranus Uranus:    07°28' \textcolor{darkblue}{Capricorn} Capricorn    (House 5)
Neptune Neptune:   13°15' \textcolor{darkblue}{Capricorn} Capricorn    (House 5)
Pluto Pluto:     16°38' \textcolor{darkblue}{Scorpio} Scorpio      (House 3)
```

0.4.1.2 North Indian Vedic Chart Example

```
./bin/horoscope_cli --date 1990-01-15 --time 14:30:00 \
                    --lat 28.6139 --lon 77.2090 --timezone 5.5 \
                    --chart-style north-indian --zodiac-mode sidereal
```

Sample Output:

```
                    NORTH INDIAN VEDIC CHART




    12              1               2               3
    \textcolor{darkblue}{Sagittarius}          \textcolor{darkblue}{Capricorn}
            \textcolor{gold}{Sun},Saturn,Uranus,Neptune       \textcolor{darkblue}{Moon}



    11                                      4
    \textcolor{darkblue}{Scorpio}               RASI             \textcolor{darkblue}
    Pluto



    10                                      5
    \textcolor{darkblue}{Libra}                                         \textcolor{darkblue}{T
                                    Venus



    9               8               7               6
    \textcolor{darkblue}{Virgo}           \textcolor{darkblue}{Leo}           \textcolor{d
    Mars                    Jupiter         Mercury


\textcolor{gold}{} PLANETARY POSITIONS (Sidereal):
\textcolor{gold}{Sun} Sun:        01°18' \textcolor{darkblue}{Capricorn} Capricorn     (House 1)
\textcolor{darkblue}{Moon} Moon:       17°54' \textcolor{darkblue}{Aquarius} Aquarius       (Hous
Mercury Mercury:    11°09' \textcolor{darkblue}{Gemini} Gemini        (House 6)
Venus Venus:        24°01' \textcolor{darkblue}{Taurus} Taurus        (House 5)
Mars Mars:          27°53' \textcolor{darkblue}{Virgo} Virgo          (House 9)
Jupiter Jupiter:    14°20' \textcolor{darkblue}{Cancer} Cancer        (House 7)
Saturn Saturn:      21°08' \textcolor{darkblue}{Sagittarius} Sagittarius  (House 12)
```

0.4.2 House Systems

System	Code	Description	Best For
Placidus	P	Time-based, unequal houses	Modern Western astrology
Koch	K	Birthplace-based	European traditions
Equal House	E	30° equal divisions	Simple, traditional
Whole Sign	W	Sign = House	Ancient Hellenistic
Campanus	C	Prime vertical	Medieval traditions
Regiomontanus	R	Celestial equator	Renaissance era

```
# Compare house systems
./bin/horoscope_cli --date 1990-01-15 --time 14:30:00 \
                --lat 40.7128 --lon -74.0060 --timezone -5 \
                --house-system placidus

./bin/horoscope_cli --date 1990-01-15 --time 14:30:00 \
                --lat 40.7128 --lon -74.0060 --timezone -5 \
                --house-system whole-sign
```

0.4.3   Zodiac Modes & Ayanamsa

0.4.3.1   Tropical vs Sidereal

```
# Tropical (Western) - Season-based
./bin/horoscope_cli --date 1990-01-15 --time 14:30:00 \
                --lat 40.7128 --lon -74.0060 --timezone -5 \
                --zodiac-mode tropical

# Sidereal (Vedic) - Star-based
./bin/horoscope_cli --date 1990-01-15 --time 14:30:00 \
                --lat 40.7128 --lon -74.0060 --timezone -5 \
                --zodiac-mode sidereal --ayanamsa lahiri
```

0.4.3.2   Ayanamsa Options

Ayanamsa	Code	Traditional Use
Lahiri	lahiri	Most common in India
Krishnamurti	krishnamurti	KP System Numbers
Raman	raman	B.V. Raman school
Fagan-Bradley	fagan-bradley	Western sidereal
Yukteshwar	yukteshwar	Kriya Yoga tradition

0.5 Calendar MONTHLY CALENDARS

0.5.1 Hindu Monthly Calendar

FEATURES: - BC Era Support (6000 BC - 7000 AD) - Complete Panchanga (5 elements) - Festival Detection - Varna Day Classification - Julian Day References

0.5.1.1 Basic Usage

```
# Current month
./bin/horoscope_cli --hindu-monthly $(date +%Y-%m)

# Specific month
./bin/horoscope_cli --hindu-monthly 2025-07

# BC Era examples
./bin/horoscope_cli --hindu-monthly 500BC-03      # Buddha's time
./bin/horoscope_cli --hindu-monthly -0499-03      # Astronomical notation
```

0.5.1.2 Output Formats

```
# Traditional Panchanga layout
./bin/horoscope_cli --hindu-monthly 2025-07 --hindu-monthly-format traditional

# Detailed with muhurta timings
./bin/horoscope_cli --hindu-monthly 2025-07 --hindu-monthly-format detailed --hindu-monthly-mul

# Focus on festivals
./bin/horoscope_cli --hindu-monthly 2025-12 --hindu-monthly-format festivals

# Data export
./bin/horoscope_cli --hindu-monthly 2025-07 --hindu-monthly-format json
./bin/horoscope_cli --hindu-monthly 2025-07 --hindu-monthly-format csv
```

0.5.1.3 Sample Output

```
                    ENHANCED HINDU CALENDAR

   July 2025 CE | Shravana 2082 VS | Grishma (Uttarayana)


Week      SUN          MON          TUE          WED          THU          FRI

Fmt  [GG][T##][P]   Hindu Day      Tithi/       Nakshatra/    Yoga/        Karana/
```

	Gregorian	Tithi+Paksha	Special	Star Info	Combination	Half-Tithi
1			01T01SB	02T02SB	03T03SB	04T04SB
			. Pu Ash F	* Ek Bha W	. Am Kri w	! Sa Roh N
2	06T06SB	07T07SB	08T08SB	09T09SB	10T10SB	11T11SB
	. Na Mag W	. Pu Mag w	! Ch Ati F	. Sw Vis W	* Vy Sha w	# Sa Sha N

```
ENHANCED HINDU CALENDAR LEGEND:

Day Format: [GG][T##][P][V] = Gregorian / Hindu Tithi+Paksha / Varna
            GG = Gregorian day (1-31)
            T## = Tithi number (1-15 in each Paksha)
            P = Paksha (S=Shukla/Waxing, K=Krishna/Waning)
            V = Varna Day (B=Brahmin, K=Kshatriya, V=Vaishya, S=Shudra)
```

\textcolor{gold}{} PANCHANGA INDICATORS:
   Special Days: Ek=Ekadashi, Pu=Purnima, Am=Amavasya, Sa=Sankranti
   Nakshatra: First 3 letters of current Nakshatra
   Quality: \textcolor{gold}{} = Highly Auspicious, * = Auspicious, ! = Caution, # = Festival,
   Yoga: Combination of Sun and Moon positions
   Karana: Half-Tithi periods

\textcolor{darkblue}{} LUNAR PHASES: Full Moon=Full, Waxing Moon=Waxing, New Moon=New, Waning
\textcolor{darkblue}{ } SPECIAL EVENTS: Festival days, Vratams, and significant observances

0.5.2 Myanmar Monthly Calendar

FEATURES: - Traditional Myanmar Era (ME) - Buddhist Sasana Era (SE) - Astrological Days (Yatyaza, Pyathada) - Buddhist Sabbath Detection - Moon Phase Tracking

0.5.2.1 Basic Usage

```
# Current month
./bin/horoscope_cli --myanmar-monthly $(date +%Y-%m)
# Short form
./bin/horoscope_cli -m 2025-07

# Different formats
./bin/horoscope_cli --myanmar-monthly 2025-07 --myanmar-monthly-format traditional
./bin/horoscope_cli --myanmar-monthly 2025-07 --myanmar-monthly-format blog-style
./bin/horoscope_cli --myanmar-monthly 2025-07 --myanmar-monthly-format multi-calendar
```

0.6   HINDU CALENDAR (PANCHANGA)

0.6.1   Five Elements of Panchanga

Element	Sanskrit	Meaning	Significance
1. Tithi		Lunar day	Moon's angular distance from Sun
2. Vara		Weekday	Planetary day rulership
3. Nakshatra		Star mansion	Moon's zodiacal position
4. Yoga		Union	Combined movement of Sun & Moon
5. Karana		Half-tithi	Half of lunar day period

0.6.2   Calendar Daily Panchanga

```
# Today's Panchanga
./bin/horoscope_cli --panchanga \
                --lat 28.6139 --lon 77.2090 --timezone 5.5 \
                --date $(date +%Y-%m-%d) --time 12:00:00

# Date range (3 days)
./bin/horoscope_cli --panchanga-range 2025-07-25 2025-07-27 \
                --lat 28.6139 --lon 77.2090 --timezone 5.5

# Festivals only
./bin/horoscope_cli --panchanga --festivals-only \
                --lat 28.6139 --lon 77.2090 --timezone 5.5 \
                --date 2025-03-14 --time 12:00:00
```

0.6.3   Chart Panchanga Output Formats

```
# Detailed table format
./bin/horoscope_cli --panchanga --panchanga-format table

# Traditional compact format (like Pancanga3.14.pl)
./bin/horoscope_cli --panchanga --panchanga-format compact

# JSON for API integration
./bin/horoscope_cli --panchanga --panchanga-format json
```

```
# CSV for spreadsheet analysis
./bin/horoscope_cli --panchanga-range 2025-07-01 2025-07-31 \
                    --panchanga-format csv
```

0.6.4 Sample Panchanga Output

```
                            HINDU PANCHANGA


Calendar DATE INFORMATION:
   Gregorian Date: Friday, July 25, 2025
   Hindu Year (Vikram Samvat): 2082
   Hindu Month: Shravana (   )
   Paksha: Krishna (Waning)

\textcolor{gold}{} PANCHANGAM (FIVE LIMBS):
   1. \textcolor{darkblue}{} Tithi:     Chaturthi (4th day) Krishna Paksha
                    Ends: July 26, 2025 at 03:24 AM

   2. Calendar Vara:       Shukravar (Friday) - Venus Day
                    Planet Day Lord: Venus Venus

   3. \textcolor{gold}{} Nakshatra: Uttara Ashadha (     )
                    \textcolor{gold}{} Lord: Sun \textcolor{gold}{Sun} | Symbol: Elephant tusk
                      Ends: July 25, 2025 at 11:47 PM

   4.  Yoga:       Shukla (  )
                      Ends: July 26, 2025 at 07:33 AM

   5.  Karana:    Taitila (  )
                      Ends: July 26, 2025 at 03:24 AM

\textcolor{gold}{} CELESTIAL POSITIONS:
   Sun in:   Karkata (Cancer) \textcolor{darkblue}{Cancer} (3°42')
   Moon in:  Makara (Capricorn) \textcolor{darkblue}{Capricorn} (18°15')
   Lunar Phase: Waning (Krishna Paksha)

\textcolor{gold}{} SPECIAL OBSERVANCES:
   • Normal day - No major festivals
   • Krishna Paksha - Good for introspection
   • Uttara Ashadha - Favorable for completion of projects

 MUHURTA ASSESSMENT:
   Status: \textcolor{darkblue}{} Shubha (Auspicious)
```

```
Note: Good day for routine activities and spiritual practices
```

0.7   Search CALENDAR SEARCH

0.7.1   Hindu Calendar Search

SEARCH BY: - Calendar Year, Month, Date Range - Tithi, Paksha - Nakshatra, Yoga, Karana - Calendar Weekday, Special Days - Numbers Julian Day Numbers - Varna Days

0.7.1.1   Basic Search Examples

```
# Find all Ekadashi days in 2025
./bin/horoscope_cli --hindu-search 2025-01-01 2025-12-31 \
                    --hindu-search-ekadashi


# Find all full moons (Purnima) in July 2025
./bin/horoscope_cli --hindu-search 2025-07-01 2025-07-31 \
                    --hindu-search-purnima


# Find specific Tithi (e.g., 11th lunar day)
./bin/horoscope_cli --hindu-search 2025-01-01 2025-12-31 \
                    --search-tithi 11


# Find specific Nakshatra days
./bin/horoscope_cli --hindu-search 2025-07-01 2025-07-31 \
                    --hindu-search-nakshatra 21   # Uttara Ashadha
```

0.7.1.2   Advanced Multi-Criteria Search

```
# Ekadashi on Sunday (spiritual combination)
./bin/horoscope_cli --hindu-search 2025-01-01 2025-12-31 \
                    --hindu-search-ekadashi --search-weekday 0 \
                    --hindu-search-logic and


# Full moon OR Ekadashi (auspicious days)
./bin/horoscope_cli --hindu-search 2025-07-01 2025-07-31 \
                    --hindu-search-purnima --hindu-search-ekadashi \
                    --hindu-search-logic or


# Varna day search (spiritual classification)
./bin/horoscope_cli --hindu-search 2025-07-01 2025-07-31 \
                    --search-varna-day brahmin
```

0.7.1.3   Historical BC Era Search

```
# Buddha's lifetime (563-483 BC)
./bin/horoscope_cli --hindu-search 563BC-05-01 563BC-05-31 \
                    --hindu-search-purnima


# Julius Caesar era (50-40 BC)
./bin/horoscope_cli --hindu-search -0049-01-01 -0040-12-31 \
                    --search-tithi-range 14 16  # Around full moon
```

0.7.1.4   Julian Day Search

```
# Simple JD search (exact day)
./bin/horoscope_cli --search-jd 1555550


# JD range search within date range
./bin/horoscope_cli --hindu-search 563BC-05-01 563BC-05-31 \
                    --search-julian-day-range 1555550 1555580
```

0.7.2   Myanmar Calendar Search

```
# Buddhist sabbath days
./bin/horoscope_cli --myanmar-search 2025-07-01 2025-07-31 \
                    --myanmar-search-sabbath


# Full moon in Myanmar calendar
./bin/horoscope_cli --myanmar-search 2025-01-01 2025-12-31 \
                    --myanmar-search-moon-phase 1


# Yatyaza (inauspicious) days
./bin/horoscope_cli --myanmar-search 2025-07-01 2025-07-31 \
                    --myanmar-search-yatyaza


# Multi-criteria: Full moon AND sabbath
./bin/horoscope_cli --myanmar-search 2025-01-01 2025-12-31 \
                    --myanmar-search-moon-phase 1 --myanmar-search-sabbath \
                    --myanmar-search-logic and
```

0.7.3   Chart Search Output Formats

```
# Table format (default)
./bin/horoscope_cli --hindu-search 2025-07-01 2025-07-31 \
                    --hindu-search-ekadashi --hindu-search-format table
```

```
# List format (for scripting)
./bin/horoscope_cli --hindu-search 2025-07-01 2025-07-31 \
                    --hindu-search-purnima --hindu-search-format list

# CSV for data analysis
./bin/horoscope_cli --hindu-search 2025-01-01 2025-12-31 \
                    --hindu-search-ekadashi --hindu-search-format csv

# JSON for API integration
./bin/horoscope_cli --myanmar-search 2025-07-01 2025-07-31 \
                    --myanmar-search-sabbath --myanmar-search-format json
```

0.8   ECLIPSE ANALYSIS

FEATURES: - Solar & Lunar Eclipses - Global Visibility Calculations - Calendar Historical Coverage (6000 BC - 7000 AD) - Search Custom Date Range Search - Chart Multiple Output Formats

0.8.1   Basic Eclipse Search

```
# Eclipses near birth date ($\pm$1 year)
./bin/horoscope_cli --date 1990-01-15 --time 14:30:00 \
                    --lat 40.7128 --lon -74.0060 --timezone -5 \
                    --eclipses

# Custom time range
./bin/horoscope_cli --eclipse-range 2025-01-01 2025-12-31 \
                    --lat 28.6139 --lon 77.2090

# Historical eclipses (Julius Caesar era)
./bin/horoscope_cli --eclipse-range -0050-01-01 -0040-12-31 \
                    --lat 41.9028 --lon 12.4964  # Rome coordinates
```

0.8.2   Eclipse Output Formats

```
# Professional table format
./bin/horoscope_cli --eclipse-range 2025-01-01 2026-12-31 \
                    --lat 40.7128 --lon -74.0060 \
                    --eclipse-format table

# CSV for data analysis
```

```
./bin/horoscope_cli --eclipse-range 2025-01-01 2025-12-31 \
                    --lat 28.6139 --lon 77.2090 \
                    --eclipse-format csv

# JSON for API integration
./bin/horoscope_cli --eclipse-range 2025-01-01 2025-12-31 \
                    --lat 51.5074 --lon -0.1278 \
                    --eclipse-format json
```

0.8.3 Sample Eclipse Output

```
                    \textcolor{darkblue}{} ECLIPSE ANALYSIS \textcolor{gold}{}
                    Swiss Ephemeris Professional Calculations


 LOCATION: 40.7128°N, 74.0060°W (New York City)
Calendar SEARCH PERIOD: January 1, 2025 - December 31, 2025
```

DATE	TYPE	MAX. TIME	MAGNITUDE	VISIBILITY	DURATION
2025-03-14	Total Solar	02:58 UTC 21:58 EST	1.0285	Visible 88% max	4m 09s
2025-03-29	Partial Lunar	10:58 UTC 05:58 EST	0.0681	Not Visible Below Horiz.	-
2025-09-07	Total Lunar	18:11 UTC 13:11 EST	1.2816	Visible Perfect	1h 23m

```
\textcolor{gold}{} VISIBILITY SUMMARY:
```
- Total Solar Eclipse (March 14): Maximum 88% coverage in NYC
- Total Lunar Eclipse (September 7): Fully visible, perfect viewing
- Peak viewing times adjusted for Eastern Time Zone

```
\textcolor{starblue}{ } ASTROLOGICAL SIGNIFICANCE:
```
- Solar eclipses: New beginnings, major life changes
- Lunar eclipses: Emotional revelations, completion of cycles
- Effects typically manifest $\pm$6 months from eclipse date

0.9 Planet PLANETARY CONJUNCTIONS

FEATURES: - Multi-Planet Alignment Detection - Customizable Orb Settings (0.1° - 15°) - Analytics Historical Analysis - Graha Yuddha (Planetary Wars) - Aspect Relationship Mapping

0.9.1 Basic Conjunction Analysis

```
# Conjunctions near birth
./bin/horoscope_cli --date 1990-01-15 --time 14:30:00 \
                    --lat 40.7128 --lon -74.0060 --timezone -5 \
                    --conjunctions

# Custom date range with tight orb
./bin/horoscope_cli --conjunction-range 2025-01-01 2025-12-31 \
                    --lat 28.6139 --lon 77.2090 \
                    --conjunction-orb 2.0

# Graha Yuddha (Planetary Wars) - very close conjunctions
./bin/horoscope_cli --graha-yuddha-range 2025-01-01 2025-12-31 \
                    --lat 28.6139 --lon 77.2090 \
                    --graha-yuddha-orb 1.0
```

0.9.2 Advanced Conjunction Search

```
# Filter by planetary latitude range
./bin/horoscope_cli --conjunction-range 2025-01-01 2025-12-31 \
                    --lat 40.7128 --lon -74.0060 \
                    --conjunction-latitude-range -5.0 5.0

# Historical conjunctions (Ancient Rome)
./bin/horoscope_cli --conjunction-range -0050-01-01 -0040-12-31 \
                    --lat 41.9028 --lon 12.4964 \
                    --conjunction-orb 5.0
```

0.9.3 Sample Conjunction Output

```
                Planet PLANETARY CONJUNCTIONS Planet
                       High-Precision Analysis
```

```
 LOCATION: 28.6139°N, 77.2090°E (New Delhi)
Calendar SEARCH PERIOD: January 1, 2025 - December 31, 2025
\textcolor{darkblue}{ } MAXIMUM ORB: 3.0°


    DATE            PLANETS          ORB (°)      TIME         SIGNIFICANCE

  2025-02-28      Venus Venus          1.2°       15:34       Love & Communication
                  Mercury Mercury                 IST           Artistic Expression

  2025-05-17      Jupiter Jupiter      0.8°       08:22         GRAHA YUDDHA
                  Mercury Mercury                 IST           Jupiter Wins

  2025-10-03      Mars Mars            2.7°       22:15       Energy & Action
                  Jupiter Jupiter                 IST           Powerful Motivation
```

\textcolor{gold}{} GRAHA YUDDHA DETAILS (May 17, 2025):
- Jupiter Jupiter vs Mercury Mercury in Gemini
- Winner: Jupiter (larger apparent diameter)
- Effect: Jupiter's wisdom overcomes Mercury's logic
- Duration: $\pm$2 days from exact conjunction
- Recommendation: Focus on higher learning, spiritual pursuits

\textcolor{starblue}{ } ASTROLOGICAL INTERPRETATION:
- Venus-Mercury: Excellent for creative projects, negotiations
- Mars-Jupiter: Dynamic energy for new ventures, leadership
- Close conjunctions (<1°): Intense blending of planetary energies

---

0.10 Numbers KP SYSTEM

** Krishnamurti Paddhati System**

FEATURES: - Calculator 5-Level Sub-Lord Calculations - 27 Nakshatra Integration - Chart Planetary Transition Tracking - List Complete KP Tables

0.10.1 KP Analysis Commands

```
# Complete KP table for birth chart
./bin/horoscope_cli --date 1990-01-15 --time 14:30:00 \
                --lat 28.6139 --lon 77.2090 --timezone 5.5 \
                --kp-table


# KP transitions in date range
```

```
./bin/horoscope_cli --kp-transition-range 2025-07-01 2025-07-31 \
                    --lat 28.6139 --lon 77.2090

# Specific planet transitions
./bin/horoscope_cli --kp-transition-range 2025-01-01 2025-12-31 \
                    --kp-transition-planet JUPITER \
                    --kp-transition-level star

# Different KP output formats
./bin/horoscope_cli --kp-table --kp-format json
```

0.10.2 Sample KP Output

```
            Numbers KP SYSTEM ANALYSIS Numbers
              Krishnamurti Paddhati Method


Calendar BIRTH DATA: January 15, 1990, 14:30:00 IST
 LOCATION: 28.6139°N, 77.2090°E (New Delhi)
\textcolor{gold}{} AYANAMSA: Krishnamurti (23°54'21")


 PLANET    LONGITUDE     SIGN       STAR      SUB      SUB-SUB    KP NOTATION

 \textcolor{gold}{Sun} Sun    01°18'42"      1         21         3         7      1-21-3-7
         Capricorn     \textcolor{darkblue}{Capricorn}      U.Ash       Mars     Venus

 \textcolor{darkblue}{Moon} Moon    17°54'18"     11        23         1         4      11-23-1
         Aquarius      \textcolor{darkblue}{Aquarius}       Dhan        Sun      Rahu

 Mercury Merc    11°09'33"      3         7          4         2      3-7-4-2
         Gemini        \textcolor{darkblue}{Gemini}        Puna        Rahu     Moon

 Venus Venus    24°01'27"      2         6          2         6      2-6-2-6
         Taurus        \textcolor{darkblue}{Taurus}        Mrig        Moon     Jupiter


\textcolor{gold}{} SUB-LORD SIGNIFICANCE:
    • Sun's Sub-Lord (Mars): Leadership through action
    • Moon's Sub-Lord (Sun): Strong willpower, royal nature
    • Mercury's Sub-Lord (Rahu): Innovative thinking, technology
    • Venus's Sub-Lord (Moon): Emotional creativity, nurturing love

\textcolor{starblue}{ } KP PREDICTIONS:
```

- Primary Significators: 1st, 5th, 9th houses
- Secondary Significators: 2nd, 11th houses
- Key Periods: Jupiter Sub-periods favorable
- Career: Technology, Communication, Creative Arts

0.11   Chart EPHEMERIS TABLES

FEATURES: - Daily/Weekly/Monthly Positions - Analytics Arc-Second Precision - Save Multiple Export Formats - Color-Coded Motion - Calendar Calendar Integration

0.11.1   Basic Ephemeris

```
# Standard ephemeris table
./bin/horoscope_cli --ephemeris-range 2025-07-01 2025-07-31

# Compact Astrodienst-style format
./bin/horoscope_cli --ephemeris-range 2025-07-01 2025-07-31 \
                    --ephemeris-compact

# Weekly intervals
./bin/horoscope_cli --ephemeris-range 2025-01-01 2025-12-31 \
                    --ephemeris-interval 7

# Include sidereal time
./bin/horoscope_cli --ephemeris-range 2025-07-01 2025-07-07 \
                    --ephemeris-sidereal-time
```

0.11.2   Advanced Ephemeris Options

```
# Declination instead of longitude
./bin/horoscope_cli --ephemeris-range 2025-07-01 2025-07-31 \
                    --ephemeris-declination

# Both longitude and declination
./bin/horoscope_cli --ephemeris-range 2025-07-01 2025-07-07 \
                    --ephemeris-coordinates both

# Sidereal zodiac with Lahiri ayanamsa
./bin/horoscope_cli --ephemeris-range 2025-07-01 2025-07-31 \
                    --zodiac-mode sidereal --ayanamsa lahiri \
                    --ephemeris-compact
```

```
# Historical BC era ephemeris
./bin/horoscope_cli --ephemeris-range -0043-03-01 -0043-03-31 \
                    --ephemeris-format table
```

0.11.3 Calendar Display Options

```
# Julian calendar only (for historical dates)
./bin/horoscope_cli --ephemeris-range 1500-07-01 1500-07-31 \
                    --ephemeris-julian-calendar

# Both Julian and Gregorian calendars
./bin/horoscope_cli --ephemeris-range 1582-10-01 1582-10-31 \
                    --ephemeris-calendar both

# No color coding (for printing)
./bin/horoscope_cli --ephemeris-range 2025-07-01 2025-07-31 \
                    --ephemeris-no-colors
```

0.11.4 Sample Ephemeris Output

```
                    Chart EPHEMERIS TABLE Chart
                 Swiss Ephemeris Professional Data


 ZODIAC MODE: Tropical | Calendar PERIOD: July 1-31, 2025 |   INTERVAL: Daily


 DATE   DAY     \textcolor{gold}{Sun}        \textcolor{darkblue}{Moon}        Mercury        Ve
            SUN     MOON   MERCURY  VENUS   MARS   JUPITER  SATURN

 07/01  Tue  09\textcolor{darkblue}{Cancer}38'   18\textcolor{darkblue}{Virgo}42'   15\textcolor
 07/02  Wed  10\textcolor{darkblue}{Cancer}39'   01\textcolor{darkblue}{Libra}15'   16\textcolor
 07/03  Thu  11\textcolor{darkblue}{Cancer}40'   13\textcolor{darkblue}{Libra}52'   17\textcolor
 07/04  Fri  12\textcolor{darkblue}{Cancer}41'   26\textcolor{darkblue}{Libra}33'   19\textcolor
 07/05  Sat  13\textcolor{darkblue}{Cancer}42'   09\textcolor{darkblue}{Scorpio}18'   20\textcol
 07/06  Sun  14\textcolor{darkblue}{Cancer}43'   22\textcolor{darkblue}{Scorpio}07'   21\textcol
 07/07  Mon  15\textcolor{darkblue}{Cancer}44'   05\textcolor{darkblue}{Sagittarius}00'   23\tex


 COLOR LEGEND:
   • Red = Retrograde motion
```

- Green = Fast direct motion
- Yellow = Slow direct motion
- Blue = Nearly stationary
- White = Normal motion

 NOTES:
- All positions at 00:00 UTC
- GST = Greenwich Sidereal Time
- Precision: $\pm$0.1 arc-second
- Calendar: Gregorian (post-1582), Julian (pre-1582)

0.12   Cosmic ADVANCED FEATURES

0.12.1   Solar System Views

```
# Solar system orbital view (no birth data needed)
./bin/horoscope_cli --solar-system

# Different perspectives
./bin/horoscope_cli --date 1990-01-15 --time 14:30:00 \
                    --lat 40.7128 --lon -74.0060 --timezone -5 \
                    --chart-style solar-system --perspective heliocentric

./bin/horoscope_cli --date 1990-01-15 --time 14:30:00 \
                    --lat 40.7128 --lon -74.0060 --timezone -5 \
                    --chart-style solar-system --perspective mars-centric
```

0.12.2   Location Management

```
# Search for locations
./bin/horoscope_cli --search-location "New York"
./bin/horoscope_cli --search-location "Delhi"

# List all predefined locations
./bin/horoscope_cli --list-locations

# Use location by name
./bin/horoscope_cli --location "London" \
                    --date 1990-01-15 --time 14:30:00
```

0.12.3   Save Output Formats

```
# JSON output for API integration
./bin/horoscope_cli --date 1990-01-15 --time 14:30:00 \
                    --lat 40.7128 --lon -74.0060 --timezone -5 \
                    --output json

# Astronomical coordinates only
./bin/horoscope_cli --date 1990-01-15 --time 14:30:00 \
                    --lat 40.7128 --lon -74.0060 --timezone -5 \
                    --astronomical

# No visual charts (data only)
./bin/horoscope_cli --date 1990-01-15 --time 14:30:00 \
                    --lat 40.7128 --lon -74.0060 --timezone -5 \
                    --no-drawing
```

0.13   PRACTICAL EXAMPLES

0.13.1   Historical Research

```
# Buddha's possible birth dates (563 BC)
./bin/horoscope_cli --hindu-search 563BC-04-01 563BC-06-30 \
                    --hindu-search-purnima \
                    --lat 27.5 --lon 83.3  # Lumbini coordinates

# Julius Caesar's assassination (44 BC)
./bin/horoscope_cli --date -0043-03-15 --time 12:00:00 \
                    --lat 41.9028 --lon 12.4964 --timezone 1 \
                    --chart-style western

# Ancient eclipse research
./bin/horoscope_cli --eclipse-range -0500-01-01 -0400-12-31 \
                    --lat 32.5 --lon 44.4  # Babylon coordinates
```

0.13.2 Festival Planning

```
# Find all major Hindu festivals in 2025
./bin/horoscope_cli --hindu-search 2025-01-01 2025-12-31 \
                    --hindu-search-ekadashi --hindu-search-purnima \
                    --hindu-search-amavasya --hindu-search-logic or

# Myanmar Buddhist sabbath planning
./bin/horoscope_cli --myanmar-search 2025-07-01 2025-07-31 \
                    --myanmar-search-sabbath

# Wedding date planning (auspicious days)
./bin/horoscope_cli --hindu-search 2025-11-01 2025-12-31 \
                    --search-varna-day brahmin --hindu-search-purnima \
                    --hindu-search-logic or
```

0.13.3 Astronomical Research

```
# Planetary conjunctions in ancient times
./bin/horoscope_cli --conjunction-range -0100-01-01 0100-12-31 \
                    --lat 32.5 --lon 44.4 \
                    --conjunction-orb 1.0

# Eclipse cycles analysis
./bin/horoscope_cli --eclipse-range 2000-01-01 2030-12-31 \
                    --lat 0 --lon 0 \
                    --eclipse-format csv > eclipses_21st_century.csv

# Retrograde motion tracking
./bin/horoscope_cli --ephemeris-range 2025-01-01 2025-12-31 \
                    --ephemeris-interval 7 \
                    --ephemeris-colors
```

0.14 Tools TROUBLESHOOTING

0.14.1 Common Issues

Issue	Cause	Solution
Binary not found	Not built properly	Run `make clean && make`
Swiss Ephemeris error	Missing data files	Check `./data/` directory exists

Issue	Cause	Solution
BC date errors	Wrong format	Use -YYYY-MM-DD or YYYYBC-MM-DD
Timezone issues	Wrong offset	Check local timezone at birth time
Location errors	Invalid coordinates	Lat: -90 to +90, Lon: -180 to +180

0.14.2   Configuration Debugging Commands

```
# Test with simple command
./bin/horoscope_cli --version

# Check available features
./bin/horoscope_cli --features

# Test with known location
./bin/horoscope_cli --location "New York" --date 2000-01-01 --time 12:00:00

# Verify ephemeris data
ls -la ./data/
```

0.14.3   Chart Performance Tips

```
# For large date ranges, use appropriate intervals
./bin/horoscope_cli --ephemeris-range 2000-01-01 2030-12-31 \
                --ephemeris-interval 30  # Monthly instead of daily

# Use specific output formats for scripting
./bin/horoscope_cli --hindu-search 2025-01-01 2025-12-31 \
                --hindu-search-ekadashi \
                --hindu-search-format list | head -10

# For API integration, use JSON output
./bin/horoscope_cli --panchanga --panchanga-format json \
                --lat 28.6139 --lon 77.2090 --timezone 5.5 \
                --date 2025-07-25 --time 12:00:00
```

0.15   Manual APPENDICES

0.15.1 Nakshatra Reference

No.	Sanskrit Name	English	Lord	Characteristics
1	Ashwini	Horse Twins	Ketu	Speed, healing
2	Bharani	Bearer	Venus	Transformation
3	Krittika	Cutter	Sun	Sharpness, fire
4	Rohini	Growing One	Moon	Beauty, growth
5	Mrigashira	Deer Head	Mars	Searching nature
...	...	...	...	...
27	Revati	Wealthy	Mercury	Completion, travel

0.15.2 House System Details

System	Calculation Method	Strengths	Traditional Use
Placidus	Trisects diurnal arcs	Precise timing	Modern Western
Koch	Birthplace-dependent	Local accuracy	German tradition
Equal House	30° from Ascendant	Simple, reliable	Ancient systems
Whole Sign	Sign = House	Traditional accuracy	Hellenistic
Campanus	Prime vertical	Spatial relationships	Medieval

0.15.3 Calendar Calendar System Comparison

Calendar	Year Zero	New Year	Month Count	Lunar/Solar
Gregorian	1 AD	January 1	12	Solar
Hindu (Vikram)	57 BC	Chaitra	12	Luni-Solar
Myanmar	639 AD	Tagu	12-13	Luni-Solar
Buddhist	544 BC	Varies	Varies	Lunar

0.16 COMMAND REFERENCE QUICK GUIDE

0.16.1   Mars Most Common Commands

```
# Birth chart with Western style
./bin/horoscope_cli --date YYYY-MM-DD --time HH:MM:SS \
                    --lat LAT --lon LON --timezone TZ \
                    --chart-style western

# Hindu calendar for current month
./bin/horoscope_cli --hindu-monthly $(date +%Y-%m)

# Myanmar calendar for current month
./bin/horoscope_cli --myanmar-monthly $(date +%Y-%m)

# Today's Panchanga
./bin/horoscope_cli --panchanga --lat LAT --lon LON --timezone TZ \
                    --date $(date +%Y-%m-%d) --time 12:00:00

# Eclipse search for current year
./bin/horoscope_cli --eclipse-range $(date +%Y)-01-01 $(date +%Y)-12-31 \
                    --lat LAT --lon LON

# Find Ekadashi days this year
./bin/horoscope_cli --hindu-search $(date +%Y)-01-01 $(date +%Y)-12-31 \
                    --hindu-search-ekadashi
```

0.16.2   Short Options

Short	Long	Description
-h	--help	Show help
-v	--version	Show version
-f	--features	Show features
-m	--myanmar-monthly	Myanmar monthly calendar
-hm	--hindu-monthly	Hindu monthly calendar

0.17   CONCLUSION

Horoscope CLI is your gateway to professional astronomical calculations with cultural authenticity. From birth charts to historical research, festival planning to scientific analysis - everything is possible with Swiss Ephemeris precision.

0.17.1   Advanced Start Your Cosmic Journey Today!

```
# Your first command
./bin/horoscope_cli --features

# Get help anytime
./bin/horoscope_cli --help

# Join the cosmic community
# \textcolor{gold}{} Star us on GitHub
#  Report issues
#  Suggest features
```

** Support:** GitHub Issues | **Manual Documentation:** README.md | **Star:** github.com/BlacMeW/horoscope

 May the stars guide your path

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