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1 * HOROSCOPE CLI - COMPLETE USER MANUAL *

* * HOROSCOPE CLI * *

COMPLETE USER MANUAL & GUIDE

(crystal ball) THE MOST COMPREHENSIVE COMMAND-LINE (crystal ball)
ASTROLOGY TOOLKIT EVER CREATED

Sun Professional Astronomical Calculations Sun
Multi-Cultural Calendar Systems
(building) Historical BC Era Support (6000 BC+) (building)

(chart) Swiss Ephemeris Integration (chart)
(target) Birth Charts & Vedic Astrology (target)
(calendar) Hindu & Myanmar Calendars (calendar)
Moon Eclipse & Conjunction Analysis Moon
(numbers) KP System & Ephemeris Tables (numbers)

* Over 100 Practical Examples *
(lightning) Professional-Grade Accuracy (lightning)
(art) Beautiful ASCII Chart Visualizations (art)

(book) Complete Feature Documentation (book)

(rocket) From Beginner to Expert Level (rocket)

VERSION 2.0.0 JULY 2025

(galaxy) Created with by HoroscopeCLI Team (galaxy)
Powered by Swiss Ephemeris
Licensed under MIT

(crystal ball) The Most Comprehensive Command-Line Astrology Toolkit (crystal ball)

Professional astronomical calculations Multi-cultural calendar systems Historical BC era support

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Basic Usage	House Systems	Monthly Calendars	KP System
Parameters	Planetary Data	Calendar Search	Ephemeris Tables

1.2 (rocket) QUICK START

1.2.1 (lightning) 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
```

1.2.2 (target) 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
```

1.3 (clipboard) REQUIRED PARAMETERS

1.3.1 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`	`+/-DD.DDDD`	Latitude (+/-90 degrees)	`40.7128` (NYC), `-33.8688` (Sydney)
`--lon`	`+/-DDD.DDDD`	Longitude (+/-180 degrees)	`-74.0060` (NYC), `151.2093` (Sydney)
`--timezone`	`+/-H.H`	UTC offset	`-5` (EST), `5.5` (India), `9` (JST)

1.3.2 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
```

1.4   (crystal ball) BIRTH CHART GENERATION

1.4.1   (art) Chart Styles

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

1.4.1.1   (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:

```
* WESTERN ASTROLOGICAL CHART *

MC (29 degrees Sagittarius)
|
Capricorn Aquarius | Pisces Aries
Jupiter Moon | Mercury Venus
Aquarius Taurus
| | |
Pluto | | | Sun
Pisces Gemini
|
Scorpio Libra | Virgo Leo
|
IC (29 degrees Gemini)

* PLANETARY POSITIONS:
```

```
Sun Sun: 25 degrees42' Capricorn Capricorn (House 5)
Moon Moon: 12 degrees18' Scorpio Scorpio (House 3)
Mercury Mercury: 05 degrees33' Aquarius Aquarius (House 6)
Venus Venus: 18 degrees25' Pisces Pisces (House 7)
Mars Mars: 22 degrees17' Sagittarius Sagittarius (House 4)
Jupiter Jupiter: 08 degrees44' Cancer Cancer (House 11)
Saturn Saturn: 15 degrees32' Capricorn Capricorn (House 5)
Uranus Uranus: 07 degrees28' Capricorn Capricorn (House 5)
Neptune Neptune: 13 degrees15' Capricorn Capricorn (House 5)
Pluto Pluto: 16 degrees38' Scorpio Scorpio (House 3)
```

1.4.1.2   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
Sagittarius Capricorn Aquarius Pisces
Sun,Saturn,Uranus,Neptune Moon

11 4
Scorpio RASI Aries
Pluto

10 5
Libra Taurus
Venus

9 8 7 6
Virgo Leo Cancer Gemini
Mars Jupiter Mercury

* PLANETARY POSITIONS (Sidereal):
Sun Sun: 01 degrees18' Capricorn Capricorn (House 1)
Moon Moon: 17 degrees54' Aquarius Aquarius (House 2)
Mercury Mercury: 11 degrees09' Gemini Gemini (House 6)
Venus Venus: 24 degrees01' Taurus Taurus (House 5)
Mars Mars: 27 degrees53' Virgo Virgo (House 9)
Jupiter Jupiter: 14 degrees20' Cancer Cancer (House 7)
Saturn Saturn: 21 degrees08' Sagittarius Sagittarius (House 12)
```

1.4.2 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 degrees 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
```

1.4.3 Zodiac Modes & Ayanamsa

1.4.3.1 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
```

1.4.3.2 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

1.5 (calendar) MONTHLY CALENDARS

1.5.1 Hindu Monthly Calendar

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

1.5.1.1 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
```

1.5.1.2 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-

# 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
```

1.5.1.3 Sample Output

```
ENHANCED HINDU CALENDAR

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

Week SUN MON TUE WED THU FRI SAT

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

```
Gregorian Tithi+Paksha Special Star Info Combination Half-Tithi Events

1 01T01SB 02T02SB 03T03SB 04T04SB 05T05SB
. Pu Ash F * Ek Bha W . Am Kri w ! Sa Roh N . Ga Ush W

2 06T06SB 07T07SB 08T08SB 09T09SB 10T10SB 11T11SB 12T12SB
. Na Mag W . Pu Mag w ! Ch Ati F . Sw Vis W * Vy Sha w # Sa Sha N . Si Bra F

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)

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

Moon LUNAR PHASES: Full Moon=Full, Waxing Moon=Waxing, New Moon=New, Waning Moon=Waning
(target) SPECIAL EVENTS: Festival days, Vratams, and significant observances
```

1.5.2 Myanmar Monthly Calendar

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

1.5.2.1 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
```

1.6 HINDU CALENDAR (PANCHANGA)

1.6.1 * 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

1.6.2 (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
```

1.6.3 (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
```

1.6.4 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)

* PANCHANGAM (FIVE LIMBS):
1. Moon Tithi: Chaturthi (4th day) Krishna Paksha
(time) Ends: July 26, 2025 at 03:24 AM

2. (calendar) Vara: Shukravar (Friday) - Venus Day
(planet) Day Lord: Venus Venus

3. * Nakshatra: Uttara Ashadha ( )
* Lord: Sun Sun | Symbol: Elephant tusk
(time) Ends: July 25, 2025 at 11:47 PM

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

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

Sun CELESTIAL POSITIONS:
Sun in: Karkata (Cancer) Cancer (3 degrees42')
Moon in: Makara (Capricorn) Capricorn (18 degrees15')
Lunar Phase: Waning (Krishna Paksha)

* SPECIAL OBSERVANCES:
Normal day - No major festivals
Krishna Paksha - Good for introspection
Uttara Ashadha - Favorable for completion of projects

1:00 MUHURTA ASSESSMENT:
Status: YES Shubha (Auspicious)
Note: Good day for routine activities and spiritual practices
```

1.7 (search) CALENDAR SEARCH

1.7.1 Hindu Calendar Search

(target) SEARCH BY: - (calendar) Year, Month, Date Range - Moon Tithi, Paksha - * Nakshatra, Yoga, Karana - (calendar) Weekday, Special Days - (numbers) Julian Day Numbers - Varna Days

1.7.1.1 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
```

1.7.1.2 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
```

1.7.1.3 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
```

1.7.1.4 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
```

1.7.2   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
```

1.7.3   (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
```

1.8 Moon ECLIPSE ANALYSIS

*** FEATURES:** - Sun Solar & Lunar Eclipses - Global Visibility Calculations - (calendar) Historical Coverage (6000 BC - 7000 AD) - (search) Custom Date Range Search - (chart) Multiple Output Formats

1.8.1 Basic Eclipse Search

```
# Eclipses near birth date (+/-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
```

1.8.2 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
```

1.8.3 Sample Eclipse Output

```
Moon ECLIPSE ANALYSIS Sun
Swiss Ephemeris Professional Calculations

LOCATION: 40.7128 degreesN, 74.0060 degreesW (New York City)
(calendar) SEARCH PERIOD: January 1, 2025 - December 31, 2025
```

```
DATE TYPE MAX. TIME MAGNITUDE VISIBILITY DURATION

2025-03-14 Total 02:58 UTC 1.0285 Visible 4m 09s
Solar 21:58 EST 88% max

2025-03-29 Partial 10:58 UTC 0.0681 Not Visible -
Lunar 05:58 EST Below Horiz.

2025-09-07 Total 18:11 UTC 1.2816 Visible 1h 23m
Lunar 13:11 EST Perfect

* 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

(crystal ball) ASTROLOGICAL SIGNIFICANCE:
Solar eclipses: New beginnings, major life changes
Lunar eclipses: Emotional revelations, completion of cycles
Effects typically manifest +/-6 months from eclipse date
```

1.9 (planet) PLANETARY CONJUNCTIONS

*** FEATURES:** - (target) Multi-Planet Alignment Detection - Customizable Orb Settings (0.1 degrees - 15 degrees) - (trending up) Historical Analysis - Graha Yuddha (Planetary Wars) - Aspect Relationship Mapping

1.9.1 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
```

1.9.2 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
```

1.9.3 Sample Conjunction Output

```
(planet) PLANETARY CONJUNCTIONS (planet)
High-Precision Analysis

LOCATION: 28.6139 degreesN, 77.2090 degreesE (New Delhi)
(calendar) SEARCH PERIOD: January 1, 2025 - December 31, 2025
(target) MAXIMUM ORB: 3.0 degrees

DATE PLANETS ORB ( degrees) TIME SIGNIFICANCE

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

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

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

* 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: +/-2 days from exact conjunction
Recommendation: Focus on higher learning, spiritual pursuits

(crystal ball) ASTROLOGICAL INTERPRETATION:
Venus-Mercury: Excellent for creative projects, negotiations
Mars-Jupiter: Dynamic energy for new ventures, leadership
Close conjunctions (<1 degrees): Intense blending of planetary energies
```

1.10 (numbers) KP SYSTEM

** Krishnamurti Paddhati System**

*** FEATURES:** - (abacus) 5-Level Sub-Lord Calculations - * 27 Nakshatra Integration - (chart) Planetary Transition Tracking - (clipboard) Complete KP Tables

1.10.1 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
```

1.10.2 Sample KP Output

```
(numbers) KP SYSTEM ANALYSIS (numbers)
Krishnamurti Paddhati Method

(calendar) BIRTH DATA: January 15, 1990, 14:30:00 IST
LOCATION: 28.6139 degreesN, 77.2090 degreesE (New Delhi)
* AYANAMSA: Krishnamurti (23 degrees54'21")

PLANET LONGITUDE SIGN STAR SUB SUB-SUB KP NOTATION

Sun Sun 01 degrees18'42" 1 21 3 7 1-21-3-7
Capricorn Capricorn U.Ash Mars Venus

Moon Moon 17 degrees54'18" 11 23 1 4 11-23-1-4
Aquarius Aquarius Dhan Sun Rahu

Mercury Merc 11 degrees09'33" 3 7 4 2 3-7-4-2
Gemini Gemini Puna Rahu Moon
```

```
Venus Venus 24 degrees01'27" 2 6 2 6 2-6-2-6
Taurus Taurus Mrig Moon Jupiter
```

```
* 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
```

```
(crystal ball) KP PREDICTIONS:
Primary Significators: 1st, 5th, 9th houses
Secondary Significators: 2nd, 11th houses
Key Periods: Jupiter Sub-periods favorable
Career: Technology, Communication, Creative Arts
```

1.11 (chart) EPHEMERIS TABLES

*** FEATURES:** - Daily/Weekly/Monthly Positions - (trending up) Arc-Second Precision - (save) Multiple Export Formats - Color-Coded Motion - (calendar) Calendar Integration

1.11.1 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
```

1.11.2 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
```

1.11.3 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
```

1.11.4 Sample Ephemeris Output

```
(chart) EPHEMERIS TABLE (chart)
Swiss Ephemeris Professional Data

ZODIAC MODE: Tropical | (calendar) PERIOD: July 1-31, 2025 | (time) INTERVAL: Daily

DATE DAY Sun Moon Mercury Venus Mars Jupiter Saturn GST
SUN MOON MERCURY VENUS MARS JUPITER SATURN

07/01 Tue 09Cancer38' 18Virgo42' 15Cancer28' 02Leo18' 22Leo35' 07Gemini12' 19Pisces14' 18h40
07/02 Wed 10Cancer39' 01Libra15' 16Cancer41' 03Leo29' 23Leo18' 07Gemini13' 19Pisces15' 18h44
07/03 Thu 11Cancer40' 13Libra52' 17Cancer55' 04Leo40' 24Leo01' 07Gemini14' 19Pisces16' 18h48
07/04 Fri 12Cancer41' 26Libra33' 19Cancer10' 05Leo52' 24Leo44' 07Gemini15' 19Pisces17' 18h52
07/05 Sat 13Cancer42' 09Scorpio18' 20Cancer26' 07Leo04' 25Leo27' 07Gemini16' 19Pisces18' 18h
07/06 Sun 14Cancer43' 22Scorpio07' 21Cancer43' 08Leo16' 26Leo10' 07Gemini17' 19Pisces19' 19h
07/07 Mon 15Cancer44' 05Sagittarius00' 23Cancer01' 09Leo29' 26Leo53' 07Gemini18' 19Pisces20'
```

```
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: +/-0.1 arc-second
Calendar: Gregorian (post-1582), Julian (pre-1582)
```

1.12   (galaxy) ADVANCED FEATURES

1.12.1   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
```

1.12.2   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
```

1.12.3 (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
```

1.13 (target) PRACTICAL EXAMPLES

1.13.1 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
```

1.13.2 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
```

1.13.3   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
```

1.14   (tools) TROUBLESHOOTING

1.14.1   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
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

1.14.2   (wrench) 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/
```

1.14.3   (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
```

1.15   (book) APPENDICES

1.15.1   * 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

1.15.2   House System Details

System	Calculation Method	Strengths	Traditional Use
Placidus	Trisects diurnal arcs	Precise timing	Modern Western

System	Calculation Method	Strengths	Traditional Use
Koch	Birthplace-dependent	Local accuracy	German tradition
Equal House	30 degrees from Ascendant	Simple, reliable	Ancient systems
Whole Sign	Sign = House	Traditional accuracy	Hellenistic
Campanus	Prime vertical	Spatial relationships	Medieval

1.15.3 (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

1.16 COMMAND REFERENCE QUICK GUIDE

1.16.1 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
```

1.16.2 (target) 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

1.17 * 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.

1.17.1 (rocket) Start Your Cosmic Journey Today!

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

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

# Join the cosmic community
# * Star us on GitHub
# Report issues
# Suggest features
```

** Support:** GitHub Issues | **(book) Documentation:** README.md | *** Star:** github.com/BlacMeW/horoscope_cli

** May the stars guide your path ***

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Version 2.0.0 | Last Updated: July 2025