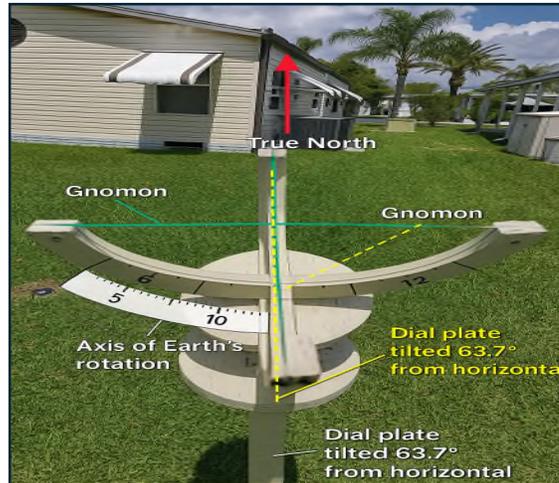


# THE ENOCH EQUATORIAL SUNDIAL

*A Practical Instrument for the Creator's 364-Day Solar Calendar*



## Introduction

The Enoch Solar Calendar is governed by the **sun alone**—its rising, its setting, its seasonal turning points, and its divinely appointed cycles (Genesis 1:14).

To follow this system faithfully, we use simple observational tools that reveal the path of the sun exactly as Enoch, Jubilees, and the ancient priesthood did.

The sundial shown on this page is a **custom-built equatorial (armillary-style) sundial**, constructed to track:

- Tequphah (Equinox)
- Day counts
- Seasonal Gates
- 364-Day alignment
- The daily path of the sun's shadow

This design is lightweight, accurate, and easy to build — yet powerful enough to track the Father's time with precision.

# WHAT THIS SUNDIAL IS

This is an **equatorial sundial** where the string acts as the **gnomon** — the shadow-casting element.

Your version uses **green nylon string**, which creates a razor-sharp shadow ideal for marking days and seasonal transitions.

## Key Features

- Two curved meridian arcs
- Crossed tension strings forming the gnomon
- A circular base aligned at your latitude
- Light, accurate, and durable

This model can be aligned anywhere in the world.

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# PURPOSE IN THE ENOCH CALENDAR

Unlike modern sundials built for “time of day,” this one tracks:

## 1. The Tequphah (Spring & Fall Equinox)

At the equinox, the shadow travels **perfectly straight** across the center line. This single moment marks:

- The end of the previous year
- The reset point for the 364-day count
- The transition of seasonal gates

## 2. Daily Shadow Movement

Each day’s shadow crosses the plate at a slightly different angle, revealing:

- The lengthening or shortening of days
- The progression of seasons
- The position of the sun in its annual circuit

### 3. Sabbath Cycles

When tracked consistently, the shadow's progression divides naturally into:

- 4 seasons
- 52 Sabbaths
- 364 total days ( $52 \times 7$ )

Exactly as Enoch delivered.

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## HOW TO ALIGN THE SUNDIAL (Northern Hemisphere)

### Step 1 — Point the Strings Toward Celestial North

Aim the crossed strings toward **Polaris (North Star)**.  
This aligns the sundial with the Earth's axis.

If you can't see Polaris, use a compass and correct for magnetic declination:

- Coconut Creek, FL declination  $\approx -6^\circ$

### Step 2 — Tilt the Gnomon to Your Latitude

Set the strings to  **$26^\circ$  above level** (your latitude).  
This matches your position on Earth.

### Step 3 — Level the Base

Use a bubble level to ensure the circular plate is perfectly flat.

### Step 4 — Mark Solar Noon

Solar noon is when the shadow is the shortest and points true north-south.  
This becomes your reference line for:

- Equinox markings
  - Seasonal gates
  - Day arcs
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## Lining Up the Sundial in Cape Town, South Africa (Southern Hemisphere)



Although Cape Town cannot see **Polaris**, aligning the Enoch equatorial sundial is **just as easy** — you simply aim the gnomon (the strings) toward the **South Celestial Pole (SCP)** instead.

Here are the simple steps.

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### 1. Understand What Changes in the Southern Hemisphere

In Florida, the strings point upward toward **true north** (Polaris).  
In South Africa, the strings must point toward **true south**, where the Earth's axis points into the sky.

Key differences:

<b>Location</b>	<b>Where You Aim the Strings</b>	<b>Elevation Angle</b>
Florida (26° N)	Toward Polaris	26° above horizon
Cape Town (34° S)	Toward South Celestial Pole	34° above horizon

The same sundial works — you simply **reverse the direction**.

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## **2. Aim the Strings Toward TRUE SOUTH**

**There is no bright star at the South Celestial Pole, but you can locate it easily.**

You can use:

### **Method A — Southern Cross (Crux) + Pointer Stars**

Crux points directly toward the SCP.

1. Locate the **Southern Cross** constellation
2. Extend the long axis of the Cross **4.5 × its length**
3. That point in the sky = **South Celestial Pole**
4. Rotate the entire sundial so the strings aim exactly at that point

This is the ancient method used in South Africa, Australia, and New Zealand.

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## **3. Set the Latitude Tilt for Cape Town**

Cape Town latitude  $\approx$  **34° South**

Tilt the gnomon (string crossing) **34° UP from the horizontal** — but pointing **SOUTH** instead of north.

This is the most important part.

Your sundial will now match the Earth's axis in Cape Town.

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#### 4. Level the Dial Plate

Make sure the round base plate is completely level.

Use:

- Bubble level
- Smartphone level app
- Clear container of water

A level base ensures accurate equinox lines and day arcs.

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#### 5. Find and Mark SOLAR Noon

Solar noon is *not* the same as 12:00 on a clock.

In Cape Town:

- The sun reaches its highest point to the **NORTH** (because you are in the Southern Hemisphere)
- The shadow falls perfectly **southward**
- This gives you your **true north-south line** on the base

Mark this line permanently — it is your alignment reference.

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#### 6. Reading the Sundial in Cape Town

Once aligned:

##### ✓ On the Equinox (Tequphah)

The shadow runs **straight east–west** across the dial — no curve.

##### ✓ In Winter (June)

The noon shadow is **shorter**, because the sun is higher in the sky.

##### ✓ In Summer (December)

The noon shadow is **longer**, because the sun is lower in the sky.

### ✓ Daily arcs shift left/right

Just like in the Northern Hemisphere — but mirrored southward.

The system remains identical; only the direction reverses.

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## 7. Why This Still Works for the Enoch Calendar

Enoch's 364-day system is **global**.

The sun's:

- rising points
- setting points
- equinox
- solstices
- seasonal gates

...remain the same **worldwide** because the motion of the sun is universal.

Only the *orientation* of the sundial changes, not the days or seasons.

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# HOW TO READ THE EQUINOX (TEQUPHAH)

On the equinox:

- The shadow casts a perfectly **straight line**
- It does **not** curve left or right
- The entire day stays centered on the meridian line

This confirms the **zero-point of the year**, as described in:

- **Enoch 72**
- **Enoch 82**
- **Jubilees 6**

The day *after* the Spring Tequphah is **Day 1 of Month 1**.

# HOW IT MATCHES ENOCH'S TEACHINGS

## 1. The Sun Alone Governs the Calendar

Enoch was the first to “write down the signs of heaven” (Jubilees 4:17–18). This sundial directly measures those signs.

## 2. The Four Leaders (Seasonal Markers)

Enoch describes four days that stand “alone” and are not counted within the months. Your sundial identifies these through:

- Straight-line equinox paths
- Solstice extremes
- Turning points of the sun

## 3. A Perfect 364-Day System

$52 \text{ Sabbaths} \times 7 \text{ days} = 364$

This sundial visually confirms the solar progression exactly as Enoch recorded.

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# WHY THIS MODEL IS SO EFFECTIVE

### ✓ Razor-thin shadow for precise marking

Strings create a cleaner shadow than metal rods.

### ✓ Durable and portable

Ideal for teaching and field observation.

### ✓ Accurate across seasons

The equatorial alignment matches Earth's tilt.

### ✓ Works anywhere

Simply adjust the tilt to your latitude.

## ✓ Perfect for Enoch Calendar studies

Designed specifically to observe:

- Daily paths
- Seasonal gates
- Equinox events
- Scriptural timing cycles

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# PHOTO GALLERY

Here is the sundial exactly as built and used in Coconut Creek, Florida.

(If you want, I can insert *your actual images* in the correct gallery format for WordPress.)

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# CLOSING THOUGHTS

This sundial is not merely a scientific tool — it is a witness.  
It demonstrates with simplicity and clarity that the Creator's timekeeping is built into the heavens, observable by anyone willing to look.

Enoch preserved it.  
Jubilees reinforced it.  
The priesthood once guarded it.  
Today, we restore it.

**The Besorah Seed exists to plant this original seed of timekeeping back into the hands of His people.**