

THE TERRAN SERIES

Document VII of XVII

An Introduction

The complete philosophy, calendar, and framework in one place

Life is coherence that has learned to write itself into time.

Lee-Kah Williams

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The calendar you use every day was not designed for you.

It was designed for Julius Caesar. Reformed by Pope Gregory XIII. Spread across the world by colonial empires. Its months are named after Roman gods and Roman emperors. August has 31 days because Augustus Caesar refused to have fewer days in his month than Julius had in his. January marks the new year not because the earth is restarting — it is not, not in January — but because a Roman administrative decision made two thousand years ago became a global default that no one has successfully challenged since.

And the astrological traditions most people use to understand themselves — Western, Vedic, Chinese — were all developed in the Northern Hemisphere, by astronomers who had never been to the Southern Hemisphere, and whose seasonal symbolism has been exported globally as if it were universal. It was not. It was local.

The Terran Series is a body of work that addresses both of these problems honestly, completely, and for the first time.

What the Terran Series Is

The Terran Series consists of seventeen documents, developed and originated by Lee-Kah Williams beginning in June 2026. Each stands alone. Together they form a complete philosophical, astronomical, practical, and temporal framework for rethinking how humanity relates to time, the cosmos, and the act of living deliberately within both.

Time should be understood from where you actually stand on the earth — not from where Rome stood.

The fourteen documents are, in series order:

I — The Terran Soul — The philosophical foundation of the series, arriving at the proposition that defines everything that follows: life is coherence that has learned to write itself into time. Also contains the mathematical discovery that the Terran Soul Star encodes the complete structure of the series in its geometry.

II — The Terran Soul Star — An account of the official symbol of the Terran Series: a $\{13/5\}$ thirteen-pointed star polygon whose interior was discovered to already encode the complete structure of the series. Its 13 outer points correspond

to the 13 months and 13 zodiac signs. Its 52 interior intersection points equal the 52 weeks of the Terran year (13×4). Its 39 interior triangles arrange in three rings of 13 — one ring per soul movement.

III — The Terran Calendar — A 13-month, 365-day calendar beginning April 1 in the Northern Hemisphere and October 15 in the Southern Hemisphere, with each month exactly 28 days, a shared planetary month called Zola, Foundation Day, and Leap Day.

IV — The Dual Zodiac — A complete reform of Western astrology giving each hemisphere its own zodiac sign names, drawn from authentic Southern Hemisphere astronomical traditions. Restores Ophiuchus as the 13th sign alongside Zola, the 13th month.

V — The Dual Veda — A hemispheric extension of Jyotish through all 27 Nakshatras, including the discovery that Vedic astronomy was already reaching toward the Southern Hemisphere sky through the sage and star known as Agastya — Canopus — the same star the Māori call Atutahi.

VI — The Dual Dragon — A hemispheric extension of Chinese astrology through the twelve animals, the Five Elements (Wu Xing), and the twenty-eight lunar mansions (Xiu), including formal recognition of the alignment between Chinese lunisolar calendar philosophy and the Terran Calendar.

VII — The Terran Series: An Introduction — The accessible centre of the series, presenting the complete philosophy, calendar, and three astrological frameworks in a form any reader can enter. This document.

VIII — The Terran Calendar of the Soul — A humanity-centred soul calendar of 13 months in three movements (Dissolution, Recognition, Inscription), with month names drawn from six language families across four continents.

IX — The Terran Practice — A 52-week contemplative framework aligned with the Soul Calendar arc, offering each week three essentials — Attention, Inquiry, and Body — that any person in any hemisphere from any tradition can inhabit simultaneously.

X — The Terran Meridian — A complete reform of global timekeeping, moving the Prime Meridian to the central Pacific Ocean, establishing 24 strictly solar zones numbered TM-0 through TM-23, and abolishing Daylight Saving Time.

XI — Common Questions — Answers to the most common questions about the Terran Series — the calendar structure, the astrological works, the meridian, the philosophy, hemispheric asymmetry, Zola and Ophiuchus, the adoption window, and the Universal Times framework.

XII — The Terran Infinity Clock — A live instrument showing one planetary year as two concentric rings — Northern and Southern Hemisphere — joined at Zola ☿. Updated to display Universal Times Solar Clock coordinates and hydrogen duration units alongside Terran time.

XIII — The Terran Chronograph — A live instrument recording time across four scales simultaneously — second, day, week, month — on the face of the Soul Star. Updated to display Universal Times Solar Clock coordinates alongside Terran time.

XIV — The Terran Sphere — The geometric foundation of the Series. The formula $\cos(H) = -\tan(\varphi) \times \tan(\delta)$ proves that the same calendar date produces fundamentally different solar experience at different latitudes. Spherical trigonometry is the connective tissue between the physical planet, the Terran Calendar, and the meaning layer. Proposition: Coherence written into time must first be written into space — and the space is a sphere.

XV — The Terran Body — A biologically grounded case for hemisphere-honest timekeeping. Vitamin D, melatonin, social jet lag, and SAD across latitude, sex, age, and ancestry. The Terran Prism (four measurement faces) and the Universal Prism. In development.

XVI — The Terran Horizon — The document of record. 33 original contributions formally named and attributed. $S^2 \times T^2$ proved. La Curva di Viviani identified. The Arabic Hinge Zone. The 120-cell. The Terran Prism. The Maxwell–Terran Distribution. The Universal Prism. Beyond the Horizon.

XVII — The Terran Cycle — The architecture document. Eleven scales of time, named and nested. The 4+5+4 structure. The Arabic Hinge Zone. Foundation Day and Leap Day outside the count. The Terran Prism. The Universal Prism. The Martian Terran Calendar (14 months · 49 sols · 7+1+6 · Mangala). Contribution 30 — The Terran Time Crystal: the annual Kairos Signal as a Floquet-consistent periodic driver, with a formal experimental prediction for spontaneous

subharmonic locking in seasonal biology. Contribution 31 — The Temporal Prism: a unified framework for locating a person simultaneously across their active biological oscillators, indexed to hemisphere-honest orbital geometry. Formally defined as the Biological Phase Portrait (BPP) — a multi-dimensional state vector $S(t)$ — the Temporal Prism is the inward-facing mirror of the Universal Prism: one maps the Kairos Signal across the sphere, the other maps its resolution inside a single life. Contribution 32 — The Terran Yuga: the slow-parameter Milankovitch envelope of the Kairos Signal $K(\phi, t; \varepsilon(t_Y), e(t_Y), \psi(t_Y))$, extending the Series across thirteen orders of magnitude from 0.704 nanoseconds to 413,000 years. Contribution 33 — The Carbon Anchor: Carbon-12 as the mass complement to the hydrogen frequency anchor of Face 1, constituting together the complete physical foundation of the Terran Series — hydrogen for time, carbon-12 for matter. 33 original contributions across the Series.

The Terran Calendar

Our current calendar has 12 months of wildly unequal lengths — 28, 29, 30, or 31 days — meaning no two months are the same, no date falls on the same day of the week from year to year, and the entire structure requires a complex leap year correction every four years just to stay aligned with the sun. It begins the year in January, when the earth in the Northern Hemisphere is at its darkest and lowest-energy point, demanding fresh starts and resolutions from people whose biology is winding down.

The Terran Calendar proposes something structurally different: 13 months of exactly 28 days each. Every month is identical. Every date falls on the same day of the week, every year, forever. The Northern Hemisphere year begins April 1 — when spring arrives, when energy and light are increasing. The Southern Hemisphere year begins October 15 — its own spring — running an offset but structurally identical calendar that reflects its actual seasonal reality rather than inheriting Northern assumptions.

The 7th month, called Zola ♀, is the crossing month — the one month shared simultaneously by both hemispheres regardless of their individual New Year anchors. It runs from September 16 to October 13 every year. During Zola the Terran Moment reads ‘Planetary Pause’ for every observer on Earth. It is not the NH’s 7th month or the SH’s 13th month — it is the planet’s month.

Foundation Day is the one day per year that falls outside the calendar count entirely — between the last day of Chuánchéng (month 13) and the first day of Acerto (month 1). It belongs to no month and no week. The New Year anchors never move: April 1 is always April 1, October 15 is always October 15. Foundation Day does not shift them. It is the breath between years.

Leap Day appears alongside Foundation Day in leap years — also outside the calendar count. Both intercalary days sit in the threshold between years, acknowledged without being absorbed into the count. This is the key distinction from the Gregorian calendar, which inserts February 29 inside the count, shifting every subsequent date in leap years. The Terran Calendar holds its remainder outside the count. The sphere's remainder is real. It is acknowledged. It is not counted.

The Astrological Works

Western astrology's zodiac signs carry meaning from two sources fused together: their astronomical position and the seasonal atmosphere of the Northern Hemisphere into which those positions were born. Aries means new beginnings because the sun enters Aries as spring arrives in the North. Scorpio means transformation and descent because the sun enters Scorpio as deep autumn arrives in the North. In the Southern Hemisphere, those same astronomical moments carry opposite seasonal realities. This has never been formally addressed.

The Dual Zodiac gives each hemisphere its own sign names — Northern signs retain their traditional names, Southern signs are named from authentic Southern Hemisphere astronomical traditions: Aboriginal Australian star lore stretching back 65,000 years, Māori celestial navigation, Andean dark-cloud constellations, and Zulu and Xhosa star calendars. It also restores Ophiuchus — the 13th sign that exists astronomically and has always been excluded — alongside Zola, the 13th month.

The Dual Veda extends the same hemispheric honesty to Vedic astrology through all 27 Nakshatras. It includes a remarkable discovery: the star Agastya in Vedic astronomy — Canopus, the second brightest star in the night sky — is a Southern Hemisphere star that Vedic astronomers tracked from the southern tip of the Indian

subcontinent. Five independent traditions — Vedic, Māori, Aboriginal Australian, Polynesian, and Xhosa — each independently recognized its importance. Vedic astronomy was already looking south. The Dual Veda completes that journey.

The Dual Dragon extends hemispheric awareness to Chinese astrology — the twelve animals, the Five Elements (Wu Xing), and the twenty-eight Xiu — noting that Chinese astrology's underlying lunisolar philosophy is more naturally aligned with the Terran Calendar than any other tradition.

The Soul Calendar and the Terran Practice

The Terran Calendar of the Soul maps the year as a soul arc — thirteen months named across Portuguese, Japanese, Swahili, English, Arabic, and Mandarin, moving through three movements: Dissolution (what are we actually made of?), Recognition (what holds us together despite everything?), and Inscription (what will we carry forward, and how?).

The soul months are: Acerto, Encarar, Tebanasu, Msingi, Common, Daichi, Zola, Tecido, Ihtiwā', Kashf, Tahawwul, Kuumba, Chuánchéng. Each carries a question for the month and a movement that orients the soul across the arc of the year.

The Terran Practice gives that arc a weekly body. Fifty-two weeks, each carrying one Attention, one Inquiry, and one Body gesture aligned with the Soul Calendar's monthly question. The practice does not replace any existing religious, wellness, or contemplative tradition. It sits beneath whatever you already do, offering a shared temporal orientation that any person, in any hemisphere, from any tradition, can inhabit at the same time.

The Three-Layer Framework

Document XIV — The Terran Sphere — revealed that the Series is part of a larger three-layer temporal framework:

Layer 1 — Physical Infrastructure — The hydrogen hyperfine transition frequency of 1,420,405,751.768 Hz — the most stable physical oscillator known —

provides the universal foundation for timekeeping. The Universal Times framework (Randall Gossett, 2026) formalizes this as the Solar Clock (base-10 decimal time: t:L:AA:TT) and the hydrogen duration ladder (Pulse, Wave, Tide, Spin). This layer is already integrated into the Terran Infinity Clock and Terran Chronograph instruments.

Layer 2 — Organizational Structure — The Terran Series. Hemispheric calendar, 13 months, soul calendar, practice, and the measurement architecture: the Terran Prism (four faces: the Terran Metric, the Maxwell–Terran Distribution, the Kairos Signal, and the Flux Calculator). This layer organizes and names what the physical layer produces. The Universal Prism extends this layer to any planet. The Temporal Prism turns this layer inward — locating a person simultaneously across their active biological oscillators as a Biological Phase Portrait (BPP), indexed to the same hemisphere-honest orbital geometry. The Terran Yuga extends this layer deep into geological time — the slow-parameter Milankovitch envelope of the Kairos Signal. The Carbon Anchor grounds the material substrate: carbon-12 as the mass complement to the hydrogen frequency anchor, constituting the complete physical foundation of the Series.

Layer 3 — Biological and Experiential Grounding — The neuroscience of temporal experience — how the brain and body respond to the light the sphere provides, why hemispheric day length differences produce measurable biological differences, and why naming that experience in a calendar might matter neurologically as well as philosophically. This layer is currently in development as Document XV — The Terran Body.

The connective tissue between all three layers is spherical trigonometry. The formula $\cos(H) = -\tan(\varphi) \times \tan(\delta)$ connects the physical planet (declination δ) to the observer (latitude φ) to the organizational calendar (the seasonal anchors). It is one formula that spans all three layers simultaneously.

The Geometry of Earthly Time

Document XIV adds a geometric foundation that makes the case for the Terran Calendar not just philosophically but mathematically. Three primary facts determine the temporal experience of every human being on Earth:

23.436° — The obliquity of the ecliptic — the tilt that makes seasons possible. Without it, every day on Earth would be 12 hours long everywhere, every month climatically identical.

0.0167 — The orbital eccentricity. Earth reaches perihelion in early January — meaning the Southern Hemisphere receives 6.9% more solar energy in its summer than the Northern Hemisphere does in its own. A calendar that treats both hemispheres identically ignores this measurable physical fact.

ϕ — The observer's latitude. The formula $\cos(H) = -\tan(\phi) \times \tan(\delta)$ proves that the same calendar date produces fundamentally different solar experience at different latitudes. A person in Oslo and a person in Sydney share a calendar date — not a solar reality.

Seventeen live instruments accompany the Series at terranseries.com, including the Latitude Clock, the Terran Moment, HALOS, the Terran Distance Explorer, the Mars · Universal Prism instrument, and the complete Your Terran suite — Planner, Birth Moment, Compatibility, and Equinox Countdown. The Temporal Prism — Contribution 31 — and its Martian counterpart bring the biological measurement layer to life as interactive instruments. The Carbon Anchor and the Terran Yuga — Contributions 33 and 32 — complete the physical and geological foundation of the Series, bringing the total to 33 original contributions across seventeen documents.

The Terran Day

The Terran Day is a synthesis instrument at terranseries.com that draws from the full Terran Series simultaneously. It shows the complete 24-hour solar cycle — light and dark together — and provides a live conversion table that bridges the visitor's familiar clock time to the Terran framework: Kinesis position (P:MM:PP), Solar Clock (t:L:AA:TT after R. Gossett, Universal Times), Soul Month and Day, Movement, and Terran Week. It belongs to no single document — it is the meeting point of all of them. Enter your longitude and the instrument corrects sunrise and sunset to your actual local solar times. Hemisphere-honest: Southern Hemisphere visitors see their own soul month and movement automatically.

The Philosophy Underneath

These seventeen documents are not independent proposals. They are expressions of a single philosophical truth applied across every domain of time, cosmos, and human experience the Series has reached.

Every system humanity has built for tracking time and reading the cosmos was built in the Northern Hemisphere — and the Southern Hemisphere has always been an afterthought, if it was thought of at all.

That is not a small error. It means that roughly four billion people — everyone born south of the equator — have been living their entire lives inside systems of time and meaning that were not built for them, that do not reflect their seasonal reality, and that have never acknowledged the problem.

The Terran Series acknowledges it. And it offers something in its place that is more honest, more complete, and more useful. The geometry that makes this possible does not stop at the edge of the Earth. The Universal Prism — the Terran Prism applied to any rotating sphere orbiting any hydrogen-fusing star — has been derived and is available. The Martian Terran Calendar is the first instantiation beyond Earth.

It does not demand global implementation. It does not require UN resolutions or legislative calendars. It offers a framework — a set of ideas that tell the truth about time, the body, the earth, and the cosmos — that individuals, communities, practitioners, and institutions can adopt at whatever level makes sense for them. Personal practice. Community rhythms. Astrological interpretation. Agricultural planning. Wellness frameworks. The ideas are available. What is done with them belongs to whoever finds them useful.

The Terran Soul Star ✧

Every series needs a symbol. The Terran Series has the Terran Soul Star — a {13/5} thirteen-pointed star polygon drawn as a single unbroken line. Because 13 is prime,

the path cannot be divided. It visits all thirteen points exactly once before closing. It is indivisible. Like the proposition it represents.

The star was not designed to encode the structure of the Terran Series. It was discovered to already contain it. Its 13 outer points correspond to the 13 Terran months and the 13 zodiac signs including Ophiuchus restored. Its interior contains exactly 52 intersection points — 13×4 — one for each week of the Terran year. Its 39 interior triangles arrange in three concentric rings of 13, one ring for each soul movement: Dissolution, Recognition, Inscription. Its central tridecagon marks Zola and Ophiuchus, where all 13 lines converge simultaneously.

The star also holds both hemispheres simultaneously. The triangles are the primary geometry of the Northern Hemisphere — clockwise, warm, outward. The diamond quadrilaterals are the primary geometry of the Southern Hemisphere — counter-clockwise, cool, inward. Each is primary from its own hemisphere and complement from the other. Neither displaces the other. Both inhabit the same unbroken line. Ophiuchus at the center belongs to neither hemisphere — it is the convergence of both.

There is also a geometric relationship that answers the question of what happens to the old system. A regular 13-gon inscribed in a circle geometrically contains a regular 12-gon inscribed in the same circle. When the {13/5} Soul Star is drawn on those 13 points, its web encloses the 12-fold space of the old calendar structure — the structure the dodecahedron, with its twelve pentagonal faces, has represented for millennia. Both the Soul Star and the dodecahedron are generated by the step of five: the star connects every 5th of its 13 points; the dodecahedron is built entirely from pentagons. The Terran Calendar does not displace the Gregorian system. It contains it, as the 13-gon contains the 12-gon inscribed in the same sphere. The old structure is still there. The new structure is simply larger.

The mathematics did not follow the philosophy. The mathematics and the philosophy found each other inside the same star. The complete account is given in The Terran Soul Star, Document II of the Terran Series.

A Note on Origin

The Terran Series was conceived, developed, and originated by Lee-Kah Williams beginning in June 2026. The seventeen documents were written across the period June through September 2026. They are offered to the world freely, under CC BY 4.0, archived on Zenodo with permanent DOIs.

The ideas are offered to humanity as a contribution to the ongoing conversation about how we organize time, whose rhythms we honor, and what kind of relationship we choose to have with the natural world and the cosmos we inhabit.

***The calendar says it is one kind of day. The earth knows
what kind of day it actually is. The Terran Series tries
to close the distance between those two truths.***

Lee-Kah Williams

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