

TANGIBLE_FACETS

Tangible Facets

The Concrete Elements of This Project

This document describes everything you can see, touch, count, and measure-the physical and digital artifacts that make up this work at both the production stage (now) and the finished stage (the polished book).

PART ONE: The Production Stage (These Files)

What This System Physically Consists Of

1. The Database

****Location**:** PostgreSQL database named `biblos_logou`

****Contains**:**

Table	Records	Purpose
`canonical_books`	73	Master list of all biblical books with metadata
`verses`	37,454+	Every verse with text, analysis, senses, status
`events`	~3,200	Biblical events for narrative arrangement
`motifs`	10	Primary orbital motifs with trajectories
`motif_activations`	Variable	Individual appearances of each motif
`typological_correspondences`	Variable	Type-antitype relationships
`sensory_vocabulary`	~500+	Sensory phrase codex by category
`patristic_sources`	~200+	Church Fathers commentary entries
`hermeneutical_principles`	7	Tonal ordering rules
`cross_references`	30,000+	Verse-to-verse connections
`thread_density_log`	Variable	Density tracking per page span
`processing_batches`	Variable	Batch processing records

****Key Data Fields Per Verse**:**

- * `verse_reference`: "Genesis 1:1" format
- * `text_kjv`, `text_lxx`, `text_mt`, `text_vulgate`: Multiple language versions
- * `sense_literal`, `sense_allegorical`, `sense_tropological`, `sense_anagogical`: Four senses
- * `emotional_valence`, `theological_weight`, `sensory_intensity`: Nine-matrix values (0-1)

* `narrative_function`, `breath_rhythm`, `register_baseline`: Prose specifications
* `tonal_weight`, `dread_amplification`: Hermeneutical positioning
* `status`: Processing stage (raw -> parsed -> analyzed -> stratified -> fleshed_out -> tonally_adjusted -> refined -> verified)

2. The File System

```
BIBLOS LOGOU/
|
+-- main.py # Command-line interface (612 lines)
+-- requirements.txt # Python dependencies
+-- .env.example # Configuration template
+-- bible_refinement_db.sql # Database schema (1,200+ lines)
|
+-- config/
| +-- settings.py # Configuration management (589 lines)
|
+-- scripts/ # Processing engines
| +-- database.py # Database connection and repositories
| +-- ingestion.py # Data intake pipeline
| +-- processing.py # Verse processing (fourfold, matrix, tonal)
| +-- output_generator.py # Markdown and JSON export
| +-- analytics.py # Progress metrics
| +-- orchestration.py # Batch management
| +-- validation.py # Quality checks
| +-- integrity.py # Data integrity
| +-- narrative_engine.py # Narrative generation
|
+-- tools/ # Integration modules
| +-- ai_integration.py # OpenAI/Claude/local AI
| +-- bible_api.py # Bible text retrieval
| +-- cross_references.py # Reference network
| +-- patristic_integration.py # Church Fathers integration
| +-- sensory_vocabulary.py # Sensory codex management
|
+-- data/ # Pre-computed data
| +-- character_voices.py # Seven register specifications
| +-- cross_references.py # Reference data
| +-- liturgical_calendar.py # Feast/fast mappings
| +-- morphology.py # Hebrew/Greek word data
| +-- narrative_order.py # Non-chronological event sequence
| +-- nine_matrix.py # Matrix calculation specifications
| +-- offline_bible.py # Embedded biblical text
| +-- orthodox_study_bible.py # OSB annotations
| +-- patristic_data.py # Embedded patristic commentary
| +-- precomputed.py # Pre-calculated values
| +-- sensory_vocabulary.py # Sensory phrase codex
| +-- unified.py # Unified access layer
|
+-- docs/ # Documentation
| +-- IMPLEMENTATION_GUIDE.md
| +-- WORKFLOW_GUIDE.md
| +-- [these new files]
|
+-- output/ # Generated files
+-- logs/ # Processing logs
```

3. The Command-Line Interface

****Available Commands**:**

Command	Function	Example
`init`	Initialize database schema and data	`python main.py init --all`
`ingest`	Import verse text	`python main.py ingest --verses data/verses.txt`
`process`	Process verses through pipeline	`python main.py process --batch 100`
`export`	Generate output files	`python main.py export --book "Genesis"`
`status`	Show system status	`python main.py status`
`fetch`	Retrieve verse text from API	`python main.py fetch --verse "Genesis 1:1"`
`validate`	Run quality checks	`python main.py validate --full`
`analytics`	Generate reports	`python main.py analytics --report`
`orchestrate`	Manage batch processing	`python main.py orchestrate --run`
`patristic`	Access Church Fathers data	`python main.py patristic --list-fathers`
`crossref`	Manage cross-references	`python main.py crossref --stats`

4. The Pre-Computed Data

****What Is Hard-Coded (Not Calculated at Runtime)**:**

- * **Fourfold Sense Templates** by book category (pentateuch, gospel, apocalyptic, etc.)
- * **Nine-Matrix Base Values** by category and verse position
- * **Breath Rhythm Patterns** by narrative function
- * **Register Specifications** (all seven registers with syntactic style, vocabulary, etc.)
- * **Primary Motifs** (all ten with planting/convergence pages, vocabulary, modalities)
- * **Harmonic Ratios** (0.5, 0.833, 0.9375 for orbital resonance)
- * **Intensity Curve** (95% -> 90% -> 60% -> 30% -> 100%)
- * **Canonical Book Order** with categories and volume assignments
- * **Church Fathers Metadata** (dates, traditions, emphases)
- * **Embedded Patristic Commentary** for key verses
- * **Sensory Vocabulary Codex** by category and modality
- * **Complete Narrative Order** (non-chronological event sequence)

5. The Validation System

****Automated Checks**:**

Check	Target	Method
Invisibility	Machinery not visible	Scan for forbidden labels/patterns
Thread Density	18-22 at all pages	Calculate weighted sum per page span
Fourfold Completeness	All 4 senses present	Check for null values
Vocabulary Variation	10%+ between activations	Compare word sets
Motif Trajectory	Harmonic positions maintained	Verify page numbers match calculations

6. Output Files Generated

****Per Book**:**

- * `[Book]_Commentary.md`: Full commentary in Markdown

- * `[Book]_Commentary.json`: Structured data export
- **System-Wide****:
- * `Progress_Dashboard.md`: Completion status overview
 - * `Analytics_Report.md`: Processing metrics
 - * `Hermeneutical_Arrangement.md`: Narrative order documentation
 - * `Motif_Registry.md`: All motifs with status
 - * `full_database_export.json`: Complete data dump
-

PART TWO: The Finished Book

What the Reader Will Physically Hold

1. Physical Specifications

Attribute	Specification
Volumes	40
Total Pages	~2,500
Pages per Volume	~60-65 average
Verses Covered	37,454+
Books Covered	73 (Eastern Orthodox canon)
Format	Print-ready (LaTeX/PDF)

2. Volume Division

Volume	Content
1	Genesis
2	Exodus
3	Leviticus
4	Numbers
5	Deuteronomy
6	Joshua, Judges, Ruth
7	1-2 Samuel
8	1-2 Kings
9	1-2 Chronicles
10	Ezra, Nehemiah, Esther
11	Job
12	Psalms
13	Proverbs, Ecclesiastes, Song of Solomon

14	Isaiah
15	Jeremiah, Lamentations
16	Ezekiel, Daniel
17	Minor Prophets (12 books)
18-20	Deuterocanonical
21-24	Four Gospels (one per volume)
25	Acts
26-32	Epistles
40	Revelation

3. Page Elements

****What Appears on Each Page**:**

- * Continuous prose narrative
- * No verse numbers in running text (available in index)
- * No chapter divisions in running text
- * No commentary boxes or sidebars
- * No footnotes or endnotes in standard edition
- * Clean margins

****What Does NOT Appear**:**

- * Fourfold sense labels
- * Motif markers
- * Thread density indicators
- * Patristic attributions in running text
- * Any meta-commentary

4. Front Matter

Per volume:

- * Title page
- * Table of contents
- * Brief introduction (if any)

For complete set:

- * Master index of all verse references
- * Glossary of terms (optional scholarly edition)
- * Guide to the narrative ordering (optional scholarly edition)

5. Typography

- * Serif font for body text
- * Clear paragraph breaks
- * Generous line spacing
- * Quality paper stock
- * Durable binding for 40-volume set

6. Reading Experience

****What the Reader Encounters**:**

- * Opens to Genesis 1:1
- * Reads continuous prose-Scripture as story
- * Recognizes patterns emerging (lamb, wood, blood) without being told
- * Feels growing unease about narrative direction
- * Encounters Resurrection and Revelation BEFORE the Passion
- * Arrives at the Cross having already seen the glory
- * Reads final words: "He bowed his head, and gave up the ghost."
- * Closes the book in silence

****What the Reader Does NOT Encounter**:**

- * Commentary explaining what they should think
- * Labels telling them which sense they're reading
- * Markers indicating motif appearances
- * Explanations of why events are ordered non-chronologically
- * Any visible apparatus

PART THREE: Measurable Progress

How We Know Where We Are

Status Indicators

****Per Verse**:**

Status	Meaning
raw	Just ingested
parsed	Text normalized
analyzed	Nine-matrix calculated
stratified	Foundation layers assigned
fleshed_out	Fourfold senses generated
tonally_adjusted	Hermeneutical positioning complete
refined	Final polish done
verified	All checks passed

****Per Book**:**

- * % of verses at "verified" status
- * % of fourfold senses complete
- * Thread density compliance %

****Per Motif**:**

- * Current status (planted/reinforcing/approaching/converging/completed)
- * Last activation page

- * Next scheduled activation page
- * Trajectory health (on-track/behind/ahead)

Dashboard Metrics

The system provides real-time visibility into:

- * Overall completion percentage
- * Book-by-book progress bars
- * Processing velocity (verses per day)
- * Motif status overview
- * Density compliance rate
- * Validation pass rate
- * Batch processing status

Quality Gates

Before any verse reaches "verified":

- * All four senses present and non-empty
- * Nine-matrix values within valid ranges
- * Tonal weight assigned
- * Register specified
- * Invisibility check passed
- * Vocabulary variation threshold met

Before any book is marked complete:

- * 100% of verses at "verified"
- * Thread density within bounds for all page spans
- * Motif activations properly placed
- * Human review sample completed

Summary: What You Can Count

****In the System Now**:**

- * 16 database tables
- * 73 canonical books defined
- * 10 primary motifs configured
- * 7 hermeneutical principles encoded
- * 7 register specifications
- * 500+ sensory vocabulary entries
- * 200+ patristic commentary entries
- * 30,000+ cross-references
- * 1 terminal event (the Cross)

****In the Finished Work**:**

- * 40 volumes
- * 2,500 pages
- * 37,454 verses

- * 0 visible machinery
- * 1 continuous narrative
- * 1 terminal point