

```
Sentinel_Infrastructure_MVP-01_Auditability_And_Provenance — zsh — 92x24

timestamp = datetime.utcnow().isoformat().replace(":", "").replace("-", "") + "Z"
Submitting to remote calendar https://a.pool.opentimestamps.org
Submitting to remote calendar https://b.pool.opentimestamps.org
Submitting to remote calendar https://a.pool.eternitywall.com
Submitting to remote calendar https://ots.btc.catalaxy.com
❄️ OTS created → /Users/rosmontos/Desktop/Sorting/ots_BATCH-20250805T030559.540613Z/ordinal8ContentsCheck.md___20250805T030601.755995Z.hash.ots
✅ ordinal8ContentsCheck.md
SHA256 → 4c4e4bb8c1e6... → ordinal8ContentsCheck.md___20250805T030601.755995Z.hash
2HA → ddac378b9ee4... → ordinal8ContentsCheck.md___20250805T030601.755995Z.2ha
🧊 Frozen source → /Users/rosmontos/Desktop/Sorting/frozen_files_BATCH-20250805T030559.540613Z/ordinal8ContentsCheck.md___20250805T030601.755995Z

📁 Batch hashing complete.
📁 Files processed: 2
📁 Meta-ID: BATCH-20250805T030559.540613Z
📁 Outputs stored in:
- /Users/rosmontos/Desktop/Sorting/frozen_files_BATCH-20250805T030559.540613Z
- /Users/rosmontos/Desktop/Sorting/hash_BATCH-20250805T030559.540613Z
- /Users/rosmontos/Desktop/Sorting/2ha_BATCH-20250805T030559.540613Z
- /Users/rosmontos/Desktop/Sorting/ots_BATCH-20250805T030559.540613Z
- /Users/rosmontos/Desktop/Sorting/processed_originals_BATCH-20250805T030559.540613Z
rosmontos@mac Sentinel_Infrastructure_MVP-01_Auditability_And_Provenance %
```

```
ordinal8ContentsCheck.md___20250805T030601.755995Z.2ha

Users > rosmontos > Desktop > Sorting > 2ha_BATCH-20250805T030559.540613Z > ordinal8ContentsCheck.md___20250805T030601.755995Z.2ha
1 ddac378b9ee44173c9e8b6c16576bbf9a63514c0 > ddac378b9ee44173c9e8b6c16576bbf9a63514c0 1 of 1
```

Sorting	
Name	Date Modified
2ha_BATCH-20250805T030559.540613Z	Today at 1:06 pm
Ordinal 08 — Immutable Verification_downloaded_ordinals.com_.md___20250805T030559.542461Z.2ha	Today at 1:06 pm
ordinal8ContentsCheck.md___20250805T030601.755995Z.2ha	Today at 1:06 pm
frozen_files_BATCH-20250805T030559.540613Z	Today at 1:06 pm
hash_BATCH-20250805T030559.540613Z	Today at 1:06 pm
ots_BATCH-20250805T030559.540613Z	Today at 1:06 pm
processed_originals_BATCH-20250805T030559.540613Z	Today at 1:06 pm
Ordinal 08 — Immutable Verification_downloaded_ordinals.com_.md	Today at 12:52 pm
ordinal8ContentsCheck.md	Today at 12:51 pm

```
Ordinal 08 — Immutable Verification_downloaded_ordinals.com_.md

Users > rosmontos > Desktop > Sorting > processed_originals_BATCH-20250805T030559.540613Z > Ordinal 08 — Immutable Verification_downloaded_ordinals.com_.md
1 # Ordinal 08 — Immutable Verification of Pre-Audit Evidence
2 **Session:** `METAVAL-SESS001`
3 **Protocol:** Sentinel Protocol v3.1
4 **Version:** v2025-08-05 | `C1.2_SentinelFeedbackLoopProtocol_v3.1` Optimized
5 **System:** AI-Human Synergy™
6 **Purpose:**
7 This file was cryptographically dual-hashed (SHA256 → RIPEMD160) and timestamped (OTS) on 28 July 2025, before any validator audit.
8 Its purpose is to prove that the evidence used in the Sentinel Protocol METAVAL-SESS001 reproducibility audit was sealed before any outcome or inference.
9 This strategy enforces full compliance with `C5.7`, `C8.3`, and `C9.5`, ensuring zero post-hoc edits and absolute audit provenance.
10 Sentinel Protocol v3.1 Four-tier Reproducibility Structure Hash and Manifest Architecture Enabling Multi-Level Cryptographic `.2ha` and `.ots` verification:
11 - Per-Evidence (Evidence Target File) Executed by `batch_dualhasher_multi.py`
12 - Per-Batch (Batch Folder Level `.2ha`) Executed by `batch_dualhasher_multi.py` (`.2ha` only)
13 - Per-Log Executed by `auditlogger.py`
14 - Per-Session Executed by `session_logger.py`
15 ---
16
17
18 ## 🔑 Key Cryptographic Details (Individual Evidence Target File Level Reproducibility)
19 **Target File Name:** `METAVAL-SESS1_Sentinel Protocol v3.1 — Meta-Analysis Evidence Validation Audit Log.md___20250728T051601.390854Z.md`
20 **RIPEMD160(SHA256)** = `ddac378b9ee44173c9e8b6c16576bbf9a63514c0`
21 **OP_RETURN Payload:** `SENTINEL|ORDINAL08CONTENTS|ddac378b9ee44173c9e8b6c16576bbf9a63514c0`
22 **OP_RETURN TXID:** `968e1a67a7da25f0c31e468c6b9f0c3290ea3cb7bd45b84c4521c0f2bd6026b6`
23 **Inscription Purpose:** Immutable cryptographic anchoring of untouched pre-audit markdown
24
25 ### OTS Validation (Individual Evidence Target File Level)
26 - File Name: `METAVAL-SESS1_Sentinel Protocol v3.1 — Meta-Analysis Evidence Validation Audit Log.md___20250728T051601.390854Z.hash.ots`
27 - SHA256: `f69cd7b098dbfcc311e9ed1c9be15b6dcd274f07599268f5ac6c16a5603b63fc`
28 - Bitcoin TXID: `df60ccd7a83a80c80a45d53badf0c672852913a713f3ba51d50b20a4e4f5d665`
29 - Bitcoin Block: `907533`
30 - Timestamp: `2025-07-28 17:01:21`
31
```