

MCRO | Docket Anomaly Forensic Scan — CONTINUATION

Part 2: Findings 6, 8, 10–14, 18, 21–23, 26–31, 35

This document continues the Docket Anomaly Forensic Report with findings that required additional database queries. All statistics are freshly computed from the live database. Findings are numbered consistently with the Part 1 document.

PART 2 — INDEX SEQUENCE ANOMALIES (Continued)

Finding 6: Index Reference Cross-Check (#22, #29, #36)

Background

Guertin's Renewed Motion to Compel explicitly references three prior filings by docket index. These references serve as a self-consistency check against the DB docket.

Findings

Index	Date	Event Name	Filing Party	Status
#22	2024-01-05	Demand or Request for Discovery	Matthew David Guertin	CONFIRMED
#29	2024-04-04	Motion	Matthew David Guertin	CONFIRMED
#36	2024-05-03	Correspondence	Matthew David Guertin	CONFIRMED

All three index references match the DB docket exactly. Index #22 = Demand for Discovery (Jan 5, 2024), #29 = Motion (Apr 4, 2024), #36 = Correspondence (May 3, 2024). The event names and dates are consistent with the filing descriptions in the Renewed Motion to Compel.

PART 3 — DOCUMENT METADATA FORENSICS (Continued)

Finding 8: Notice of Hearing (Index #26) — Metadata Profile

Findings

Field	Value
Evidence UID	evidence:27-cr-23-1886:04496308060d05b7
Filename	MCRO_27-CR-23-1886_Notice of Remote Hearing...2024-01-16_20240430072352.pdf
Filing Date	2024-01-16
XMP Create Date	2024-01-16 22:19:59 UTC (4:19:59 PM CST)
XMP Metadata Date	(null — not populated)
XMP Title	Microsoft Word - Document in Unnamed
Creator Tool	PScript5.dll Version 5.2.2
Producer	Acrobat Distiller 23.0 (Windows); modified using iText® 7.1.16 (MN Judicial Branch)

The XMP title 'Microsoft Word - Document in Unnamed' is a generic title seen in 474 documents across 151 cases corpus-wide, indicating a standard hearing notice template. The Creator Tool (PScript5.dll) + Producer (Acrobat Distiller) combination indicates a print-to-PDF workflow, distinct from the Word-direct pipeline used for the incompetency order. The XMP Metadata Date field is null, meaning the e-file timestamp cannot be independently verified from XMP data alone — this is consistent with the claim that the time component is absent.

Finding 10: XMP Title Distribution — Template Forensics

Background

The claims compilation identifies 'barbj' and 'hernandezke' as PDF authors. The children table does not have a separate Author column; however, the metadata__xmp_title field reveals template lineage. This analysis maps the distinctive template titles found in Guertin's case across the corpus.

Findings

XMP Title	Docs	Cases	Earliest	Latest
Commitment Order (MI, DD)	110	95	2023-01-11	2024-04-04
Conservator (All Powers; Unlimited Duration)	2	1	2023-07-13	2023-07-13
Microsoft Word - Document in Unnamed	474	151	2020-04-23	2025-07-02

Key finding: The 'Commitment Order (MI, DD)' title is a **standard template used in 110 documents across 95 cases** — it is not unique to Guertin's case. However, the 'Conservator (All Powers; Unlimited Duration)' title appears in **only 2 documents, both from Guertin's case only (July 13, 2023)**. Both are the first incompetency order and its companion Order-Other, both authored using 'Acrobat PDFMaker 23 for Word'. This title is a conservatorship template, not a criminal competency template, and is unique to this defendant in the entire corpus.

Significance

The January 2024 incompetency order used a widespread template ('Commitment Order'). The July 2023 incompetency order used a template ('Conservator') that exists nowhere else in the corpus. The claims compilation originally attributed the 'Conservator' title to the Rogstad evaluation report; however, the .eml-extracted Rogstad report actually carries the title 'Guertin Report.pdf'. The 'Conservator' title belongs exclusively to the July 2023 court orders.

Finding 11: Post-Dated Signatures — Guertin Case + Corpus-Wide

Findings

Guertin case (27-CR-23-1886):

Three documents have non-MCRO signatures dated AFTER their filing date, all involving the ESolutions Development Certificate Authority:

Document	Filed	Signed (ESol)	Gap	Edits After
Order for Continuance (2023-06-14)	2023-06-14	2023-06-15 08:48	+1 day	true
Order Denying Fee Waiver (2024-05-23)	2024-05-23	2024-05-29 09:10	+6 days	true
Order to Recuse (2024-07-15)	2024-07-15	2024-07-16 08:52	+1 day	true

Corpus-wide:

Across the entire forensic corpus, **36 non-MCRO signatures across 20 documents in 16 cases** show signing timestamps dated after their filing date. The claims compilation stated 55 instances across 163 cases — the verified count from the full corpus is **36** (partially confirmed; lower count may reflect different counting methodology or different corpus scope).

Finding 12: Signature Image Hash Reuse — Guertin Case Documents

Findings

Image objects (PNG/JPG) extracted from Guertin case documents were cross-referenced against the full corpus by SHA256 hash. The following table shows the most widely reused image hashes found in Guertin's case documents:

Object SHA256 (first 16)	Type	Size	Corpus Docs	Corpus Cases	Likely Signer
3337154831c9c50f	.png	4,819	621	144	(header/logo)
777acb19e3b9b51a	.png	3,442	259	136	Danielle Mercurio
c09827ce81d98cbe	.png	5,220	236	129	Julia Dayton Klein
3aeb71e9d4066aba	.png	7,306	206	91	(sig image — unmatched)
d8e2b12e2fcd8207	.png	21,225	206	91	(sig image — unmatched)
515e291151ca14dc	.jpg	5,173	183	82	(sig image)
fbcb6023a7c0c6bd2	.png	89,934	168	142	(common element)
74de35edc4382772	.png	5,295	117	73	Danielle Mercurio

The most reused image hash from Guertin's case documents appears in 621 documents across 144 cases. Klein's signature image appears in 236 documents across 129 cases. Mercurio's appears in 259 and 117 documents respectively for her two image variants. These are consistent with the programmatic signature insertion pattern documented in the Initial Forensic Analysis Report (Finding 2).

PART 4 — TIMESTAMP ANOMALIES

Finding 13: Timestamp Clustering — Guertin Cases

Findings

Top 10 busiest single dates in 27-CR-23-1886 by event count:

Date	Events	Types	Rank†
2025-04-28	50	Affidavit-Other; Other Document	#1*
2025-05-29	18	Notice of Appeal	#6*
2024-05-15	15	Notice of Appeal; Other Document	
2024-05-10	11	Notice of Appeal; Other Document	
2023-01-25	7	Hearing/Statement of Rights/Rule 20 Order/Bond/Release	
2024-10-15	7	Hearing/Rule 20 Order/PD Grant/Forensic Nav/Prob Cause	
2024-05-23	6	Affidavit of Service; Fee Waiver; Motion; Order	
2024-10-01	5	Hearing/PD Grant/Order/Motion/Notice	
2025-04-29	5	Hearing/Notices/Rule 20 Order/Forensic Nav	
2024-05-28	5	Notice of Motion and Motion	

* **Corpus-wide rank:** April 28, 2025 (50 events) is the **single busiest day in the entire 2,903-case corpus**. May 29, 2025 (18 events) ranks #6 corpus-wide. Both dates represent Guertin's mass filing activity (exhibits and notices of appeal).

PART 5 — ATTORNEY / PARTY ROLE ANOMALIES (Continued)

Finding 18: Examiner Listings — Guertin Case

Findings

Three examiners appear in the parents_case_events_examiners table for case 27-CR-23-1886:

Examiner	Date	Event	Docket #
Dr. Jill Rogstad	2023-03-10	Rule 20 Evaluation Report + Distributed	#12
Dr. Adam Milz	2024-01-11	Rule 20 Evaluation Report + Distributed	#23
Dr. Katheryn Cranbrook	2024-12-20	Rule 20 Evaluation Report + Distributed	#112

Kristen Otte: NOT FOUND in the examiner records for 27-CR-23-1886. Additionally, a corpus-wide search for 'Otte' in all examiner records returned zero results. Otte does not appear in the parents_case_events_examiners table for any case. If she was assigned as an evaluator, this assignment exists only in the Odyssey backend system and was never recorded in a docket event visible through MCRO.

Finding 21: Klein/Mercurio/Borer Circular Handling — Corpus Context

Findings

Metric	Count	% of 2,903 Parents
Cases with Julia Dayton Klein	896	30.9%
Cases with Danielle Mercurio	703	24.2%
Cases with George Borer	434	15.0%
Cases with Klein + Mercurio (pair)	437	15.1%
Cases with ALL THREE	137	4.7%

137 cases in the 2,903-case parents corpus have all three of Klein, Mercurio, and Borer appearing as judicial officers on at least one event. Klein and Mercurio appear together in 437 cases (15.1%). Guertin's case is one of the 137 with all three. Whether this overlap rate is statistically anomalous depends on the base rates of case assignment within the 4th Judicial District's probate/mental health division, which cannot be computed from this corpus alone.

PART 7 — DISCOVERY CHAIN OF CUSTODY (Continued)

Finding 22: Discovery-Related Docket Entries — Gap Analysis

Findings

Between Index #22 (Demand for Discovery, Jan 5, 2024) and Index #29 (Motion to Compel, Apr 4, 2024), the following entries appear:

#	Date	Event	Filer	Discovery-Related?
#22	2024-01-05	Demand or Request for Discovery	Guertin	YES — request
#23	2024-01-11	Rule 20 Evaluation Report	(Dr. Milz)	NO
#24	2024-01-16	Waiver of Appearance	Unknown	NO
#25	2024-01-17	Finding of Incompetency and Order	Klein	NO
#26	2024-01-16	Notice of Remote Hearing	Gonsalves	NO
#27	2024-04-03	Petition to Proceed Pro Se	Guertin	NO
#28	2024-04-03	Notice of Motion and Motion	Guertin	NO
#29	2024-04-04	Motion (to Compel Discovery)	Guertin	YES — compel

CONFIRMED: Zero prosecution responses to the January 5, 2024 discovery request appear in the docket between Index #22 and #29. No discovery production notice, no court ruling on the request, and no prosecution response is recorded.

Finding 23: Pro Se Filing Activity vs. Court Response

Findings

Between January 2024 and August 2024, Guertin filed numerous pro se motions. The court response pattern:

Guertin Filing	Court Response	Gap (days)	Response Type
Discovery Request (Jan 5)	Finding of Incompetency (Jan 17)	12	Incomp. Order
Pro Se Petition + Motion (Apr 3)	Order Denying Motion (Apr 12)	9	Denial
Correspondence (May 3)	Rule 20 Eval Order (May 9)	6	New evaluation
Multiple filings (May 10+)	Fee Waiver Denial (May 23)	13	Denial

The pattern shows that each batch of Guertin's pro se filings received a court response within 3–13 days, but none of the responses addressed the substantive discovery request. The responses were: an incompetency order, a motion denial, a new competency evaluation order, and a fee waiver denial. The case status at the time of the April–May filings was 'Open' per the DB, not 'Dormant' as some compilation entries suggested.

PART 9 — CORPUS-WIDE SCANS

Finding 26: Same-Day Multi-Event Patterns — Corpus-Wide

Findings

Guertin's April 28, 2025 filing (50 events) is the **single-day record across the entire 2,903-case corpus**. His May 29, 2025 (18 events) ranks #6. These are attributable to Guertin's mass pro se exhibit and appeal filings, not to court system batch processing.

Finding 27: Attorney Role Conflict Scan — Corpus-Wide

Findings

36 cases across 25 unique attorneys show the same attorney appearing in both a defense table and a prosecution table for the same case_uid. This includes Raissa Carpenter (3 cases), Melissa Fraser (6 cases), Thomas Arneson (3 cases listed as defense), and others. This pattern is not unique to Guertin's case but represents a widespread data quality issue or a structural anomaly in how attorney roles are recorded.

PART 11 — ADDITIONAL ANOMALY MINING (Continued)

Finding 29: IronPDF / Non-Standard Producer Check

Findings

No documents in 27-CR-23-1886 were produced by IronPDF. Documents without the standard iText/MN Judicial Branch pipeline stamp fall into two categories: (a) Guertin's own pro se filings produced with PyPDF2 or LibreOffice (approximately 80+ documents), and (b) the misdated transcript produced with 'GPL Ghostscript 9.06'. All court-generated documents in this case carry the iText MN Judicial Branch pipeline modification stamp.

Finding 30: Signature Anomaly Scan — 27-CR-23-1886

Findings

Metric	Value
Total signatures	226
edits_after_sig_flag = true	41 (18.1%)
edits_after_sig_flag = false	185 (81.9%)
Signatures below 100% coverage	226 (100%)
Minimum coverage_pct	15.49% (Mercurio on incompetency order)
Maximum rev_count	11
Average rev_count	4.3
ESolutions Development CA signatures	24 (10.6%)

All 226 signatures are below 100% coverage, which is standard for multi-revision PDF documents where each successive signature covers only the incremental revision. The 15.49% minimum coverage belongs to Mercurio's signature on the January 2024 incompetency order, indicating her signature was applied early in a 9-revision document with substantial subsequent modification.

Finding 31: Cross-Cluster Linkage

Findings

Cluster_id 1570 ('MATTHEW GUERTIN') contains exactly 2 cases: (1) 27-CR-23-1886 (criminal, Open) and (2) 27-MH-PR-23-815 (civil commitment, Closed). No other cases in the corpus are linked to this cluster. This is consistent with a single-defendant case pair.

Finding 35: January 31, 2024 Waiver Document — Verification

Findings

The civil case docket confirms Index #38 (event_index 7) on January 31, 2024 is labeled 'Waiver'. The uploaded federal exhibit (gov.uscourts.mnd.216796.18.0.pdf, page 33) shows the waiver document: 'I do hereby knowingly and voluntarily consent to the Court extending my Stay of Commitment for a period of 9 months, without the hearing provided by Minn. Stat. §253B.05 subd.3, 08 and .09.' It is dated 1/31/2024 and identifies Matthew David Guertin as Respondent and Joel Fisher (Attorney ID# 29579) as counsel.

Joel Fisher in DB: NOT FOUND in any attorney table across all 2,903 cases. No 'Joel Fisher' appears in defense_active, defense_inactive, prosecution_active, or prosecution_inactive tables. Fisher's involvement is documented only on the waiver form itself. Since the civil case has no children documents in the MCRO corpus, and the waiver form is only available as a page within the federal exhibit, its metadata cannot be independently verified from the database.

February 1, 2024 hearing: The civil case docket shows Index #41 (February 1, 2024) = 'Order for Continued Commitment' by George Borer. No hearing record or transcript is filed. The waiver at Index #38 (January 31) appears to have substituted for the February 1 hearing, with the commitment order entered the following day.

KEY METRICS — WTF CALLOUT

Value	What It Measures
31 seconds	Time between incompetency order creation and Referee Mercurio's digital signature
~5 hours	Gap between order creation/signing (8:27 AM) and scheduled hearing time (1:30 PM)
~23 hours	Gap between order creation (Jan 16 AM) and docket filing (Jan 17 AM)
141 days	MSIP label pre-staging interval on the May 30, 2025 order (set Jan 9, 2025)
5	Total Rule 20.01 evaluation orders for a single defendant over 2.5 years
12	Distinct judicial officers involved in a single criminal case
50	Events on a single day (Apr 28, 2025) — corpus-wide record
0	Prosecution responses to Guertin's January 5, 2024 discovery request in the docket
0	Docket entries for the first discovery production (Biglow, Aug 3, 2023)
0	MCRO corpus matches for the Rogstad evaluation report SHA256
36	Cases corpus-wide where same attorney appears in both defense and prosecution tables
2	Documents in entire 4,251-document corpus with 'Conservator' template title (both Guertin's)
14 / 22	Text rows in Guertin response letter matching Vongsaphay response letter (63.6% overlap)
3	Cases where prosecutor Thomas Arneson is listed in defense attorney tables

APPENDIX | ADDITIONAL SQL QUERIES

A9 — XMP Title Template Distribution

```
SELECT metadata__xmp_title, COUNT(*) as n_docs, COUNT(DISTINCT case_uid) as n_cases FROM children WHERE
metadata__xmp_title IN ('Commitment Order (MI, DD)', 'Conservator (All Powers; Unlimited Duration)',
'Microsoft Word - Document in Unnamed') GROUP BY metadata__xmp_title ORDER BY n_docs DESC;
```

A10 — Post-Dated Signatures (Non-MCRO) — Corpus-Wide

```
SELECT COUNT(*) as total, COUNT(DISTINCT s.evidence_uid) as n_docs, COUNT(DISTINCT c.case_uid) as n_cases
FROM children_signatures_full_report s JOIN children c ON c.evidence_uid = s.evidence_uid WHERE
s.days_after_e_file_signed > 0 AND s.signer_name NOT ILIKE '%MCRO%';
```

A11 — Image Hash Reuse from Guertin Case Docs

```
WITH guertin_images AS ( SELECT DISTINCT co.object_sha256, co.object_size_bytes, co.object_type FROM
children_objects co JOIN children c ON c.evidence_uid = co.evidence_uid WHERE c.case_uid = 'case:27-cr-
23-1886' AND co.object_type IN ('.png', '.jpg') AND co.object_size_bytes BETWEEN 3000 AND 100000)
SELECT g.object_sha256, g.object_size_bytes, g.object_type, COUNT(DISTINCT co2.evidence_uid) as
total_doc_count, COUNT(DISTINCT c2.case_uid) as total_case_count FROM guertin_images g JOIN
children_objects co2 ON co2.object_sha256 = g.object_sha256 JOIN children c2 ON c2.evidence_uid =
co2.evidence_uid GROUP BY 1,2,3 HAVING COUNT(DISTINCT co2.evidence_uid) > 5 ORDER BY 4 DESC LIMIT 15;
```

A12 — Klein/Mercurio/Borer Overlap

```
WITH oc AS (SELECT DISTINCT case_uid, judicial_officer_json__judicial_officer_norm as o FROM
parents_case_events_judicial_officers WHERE judicial_officer_json__judicial_officer_norm IN ('Julia
Dayton Klein', 'Danielle Mercurio', 'George Borer')) SELECT (SELECT COUNT(*) FROM (SELECT case_uid FROM oc
WHERE o='Julia Dayton Klein' INTERSECT SELECT case_uid FROM oc WHERE o='Danielle Mercurio' INTERSECT
SELECT case_uid FROM oc WHERE o='George Borer')) s) as all_three;
```

A13 — Attorney Role Conflicts — Corpus-Wide

```
WITH d AS (SELECT case_uid, attorney_json__attorney_norm a FROM parents_attorneys_defense_active UNION
SELECT case_uid, attorney_json__attorney_norm FROM parents_attorneys_defense_inactive), p AS (SELECT
case_uid, attorney_json__attorney_norm a FROM parents_attorneys_prosecution_active UNION SELECT
case_uid, attorney_json__attorney_norm FROM parents_attorneys_prosecution_inactive) SELECT COUNT(*) as
total_conflicts, COUNT(DISTINCT d.case_uid) as n_cases, COUNT(DISTINCT d.a) as n_attys FROM d JOIN p ON
p.case_uid=d.case_uid AND p.a=d.a;
```

A14 — Correspondence Text Overlap (Guertin vs. Vongsaphay)

```
WITH g AS (SELECT row_sha256 FROM hashpack_rows WHERE evidence_uid='evidence:27-cr-23-
1886:2e8cb196b7dd1f18'), v AS (SELECT row_sha256 FROM hashpack_rows WHERE evidence_uid='evidence:27-cr-
23-2480:b068c07d154ebd9') SELECT (SELECT COUNT(*) FROM g) as guertin_rows, (SELECT COUNT(*) FROM v) as
vong_rows, (SELECT COUNT(*) FROM g JOIN v ON g.row_sha256=v.row_sha256) as matching;
```

A15 — Signature Stats — 27-CR-23-1886

```
SELECT COUNT(*) as total_sigs, COUNT(CASE WHEN edits_after_sig_flag='true' THEN 1 END) as edits_true,
COUNT(CASE WHEN signer_name ILIKE '%ESolutions%' THEN 1 END) as esolutions, MIN(coverage_pct::numeric)
as min_coverage, MAX(rev_count) as max_rev FROM children_signatures_full_report s JOIN children c ON
c.evidence_uid=s.evidence_uid WHERE c.case_uid='case:27-cr-23-1886';
```

A16 — Incompetency Order Text Search

```
SELECT row_index, page_num, text_clean FROM hashpack_rows WHERE evidence_uid='evidence:27-cr-23-
1886:d1c60e5543fb330a' AND (text_clean ILIKE '%prior to the hearing%' OR text_clean ILIKE
'%administrative%') ORDER BY row_index;
```