

## Operator 107 - Lido Community Staking Module - Wrong Head Votes Analysis for 2025-01-12 - 2025-01-16

| Metric                       | Value  | Z-Score | Description   |
|------------------------------|--------|---------|---|
| Wrong Head Votes / Val / Day | 2.583  | -0.216  | A wrong head vote in Ethereum consensus refers to a validator incorrectly voting for a block that is not the canonical head of the chain according to the LMD-GHOST fork-choice rule. Validators are expected to vote for the block with the highest accumulated attestations as the chain's head. Wrong head votes can result from network delays, client issues, or outdated views of the chain. Frequent wrong head votes reduce validator rewards and can degrade network performance by delaying finality. |
| % Total Attestations         | 1.148% | -0.217  |   |
| Total Wrong Head Votes       | 155    | -       |   |
| Total Attestations           | 13499  | -       |   |
| # Validators                 | 12     | -       |   |
| CSM Operators Avg            | 4.19   | -       |   |
| CSM Operators Median         | 1.625  | -       |   |
| CSM Standard Deviation       | 7.435  | -       |   |
| Curated Avg                  | 1.942  | -       |   |
| Curated Median               | 1.4    | -       |   |
| SDVT Avg                     | 1.966  | -       |   |
| SDVT Median                  | 1.547  | -       |   |

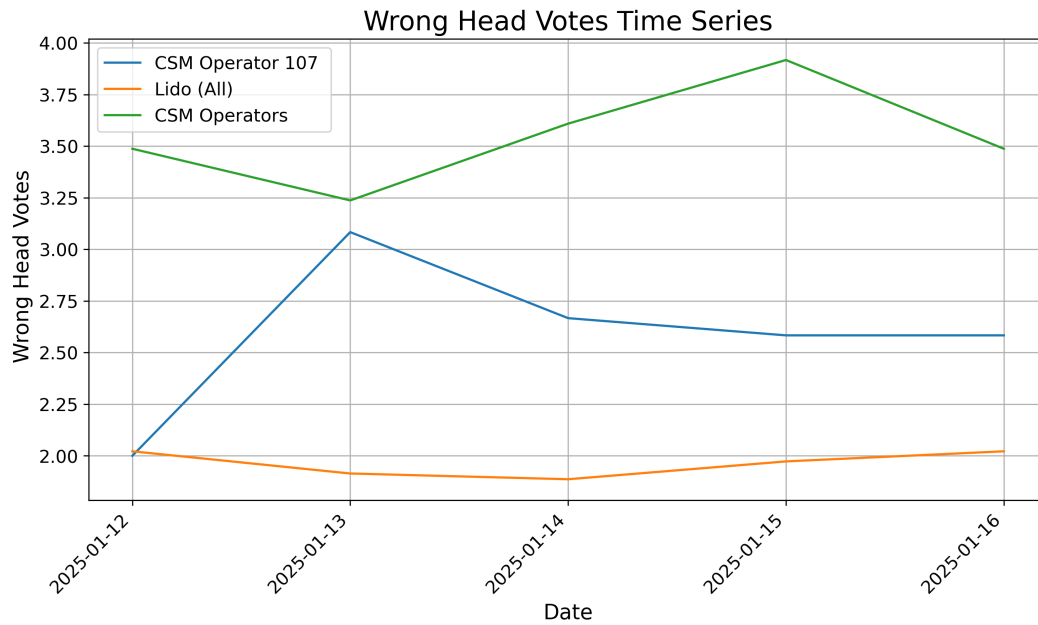


Figure 1: Metric Trends

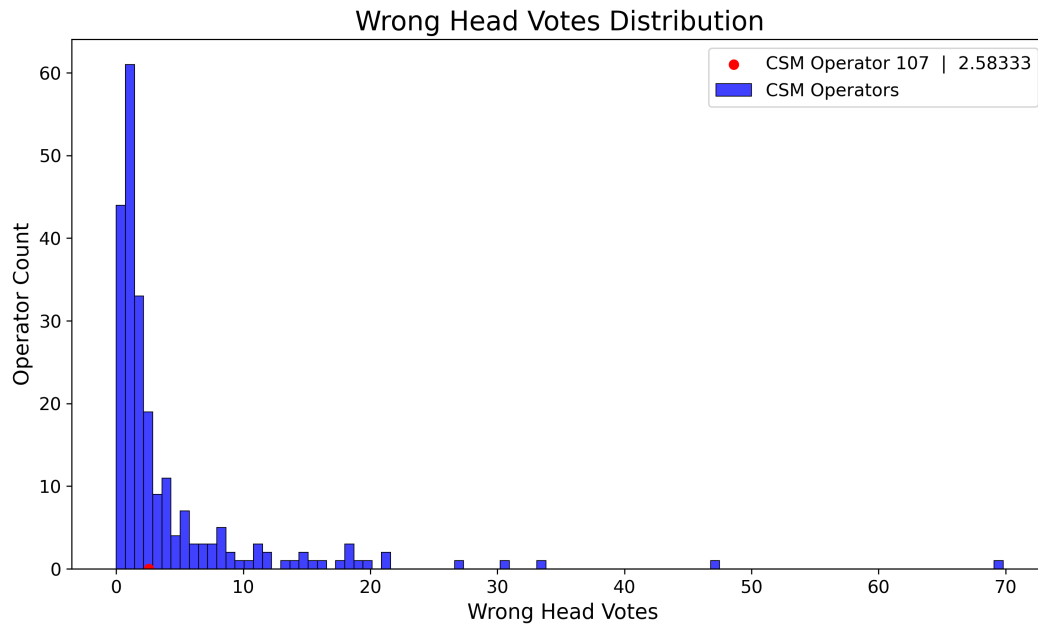


Figure 2: Additional Trends

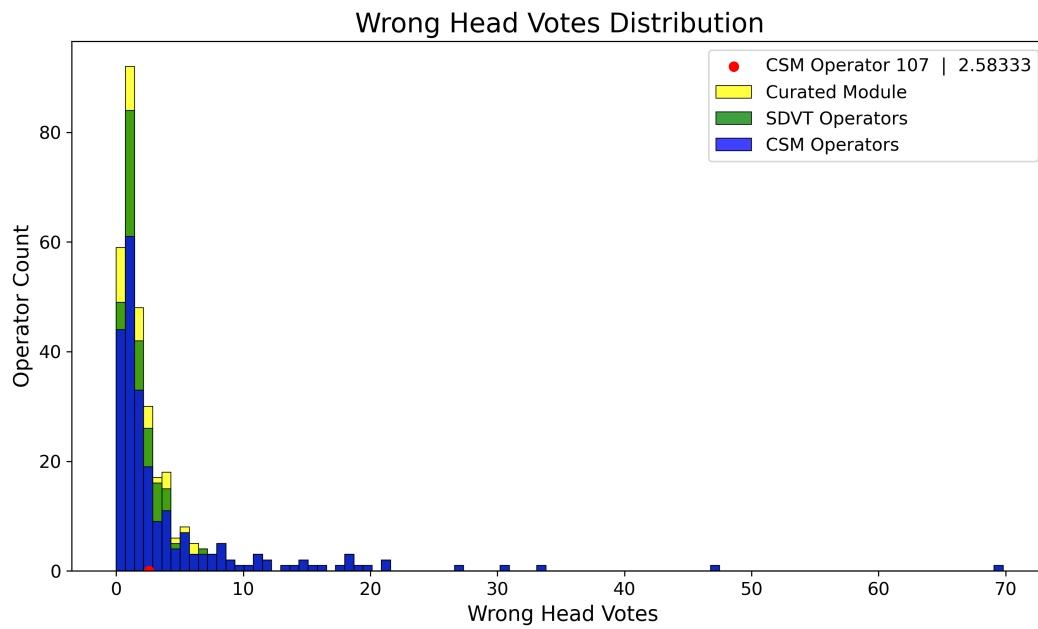


Figure 3: Additional Trends

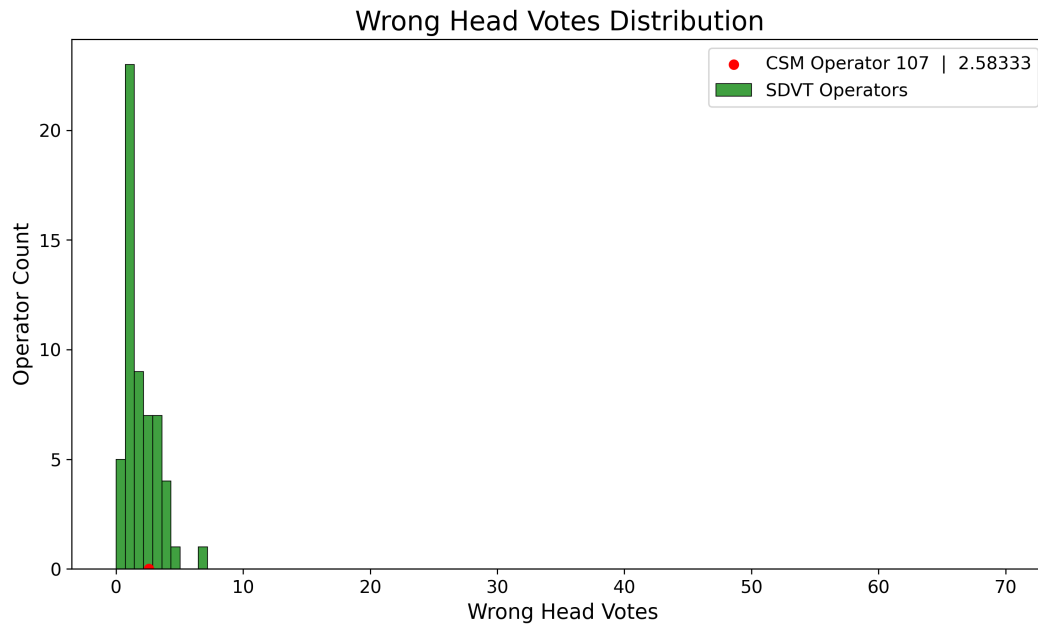


Figure 4: Additional Trends

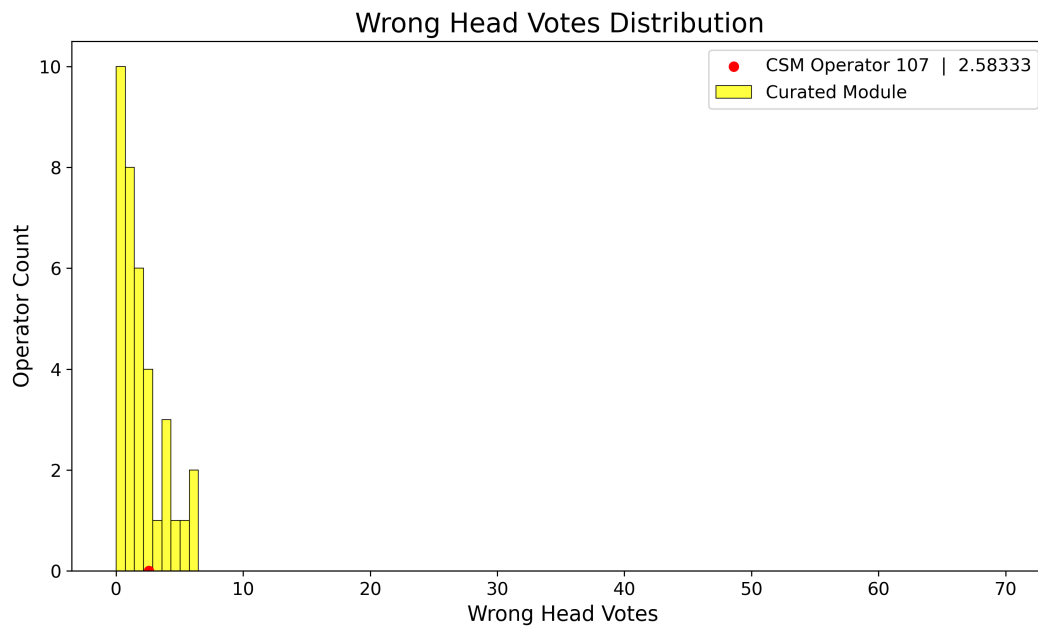


Figure 5: Additional Trends

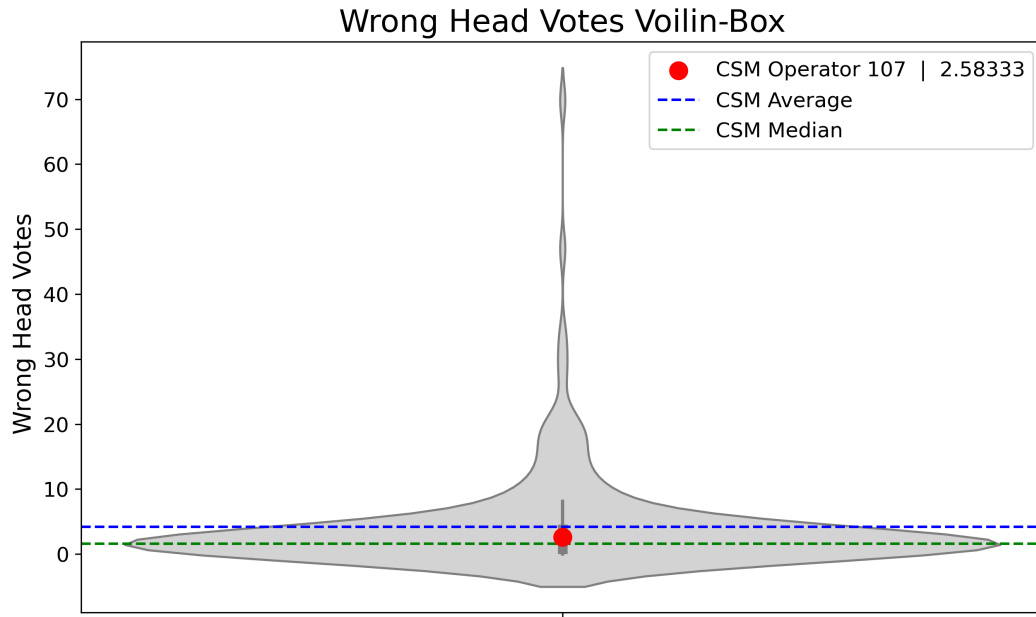


Figure 6: Additional Trends

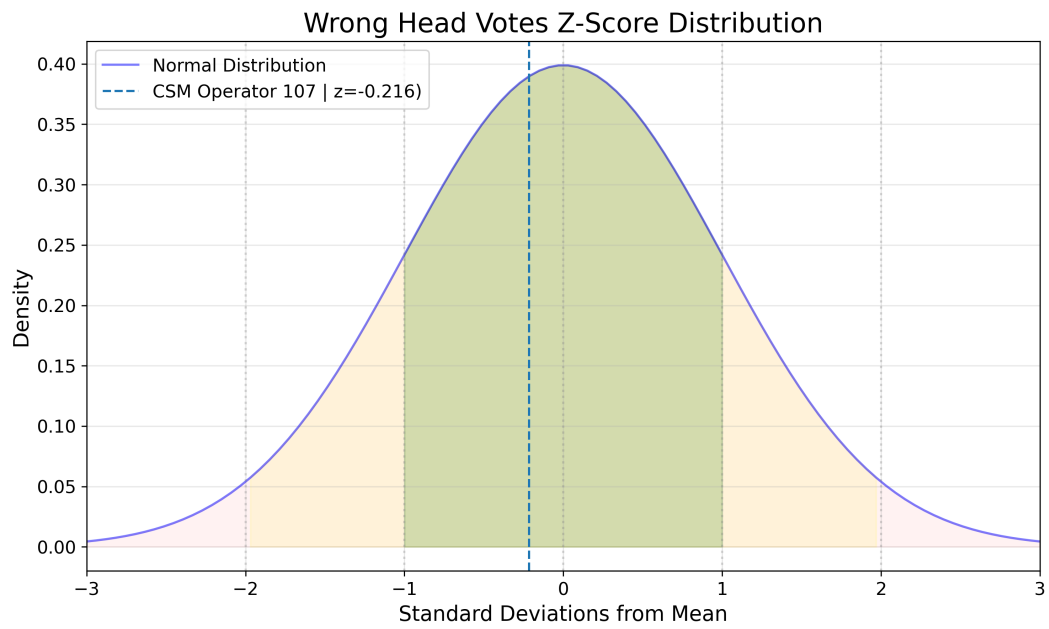


Figure 7: Additional Trends