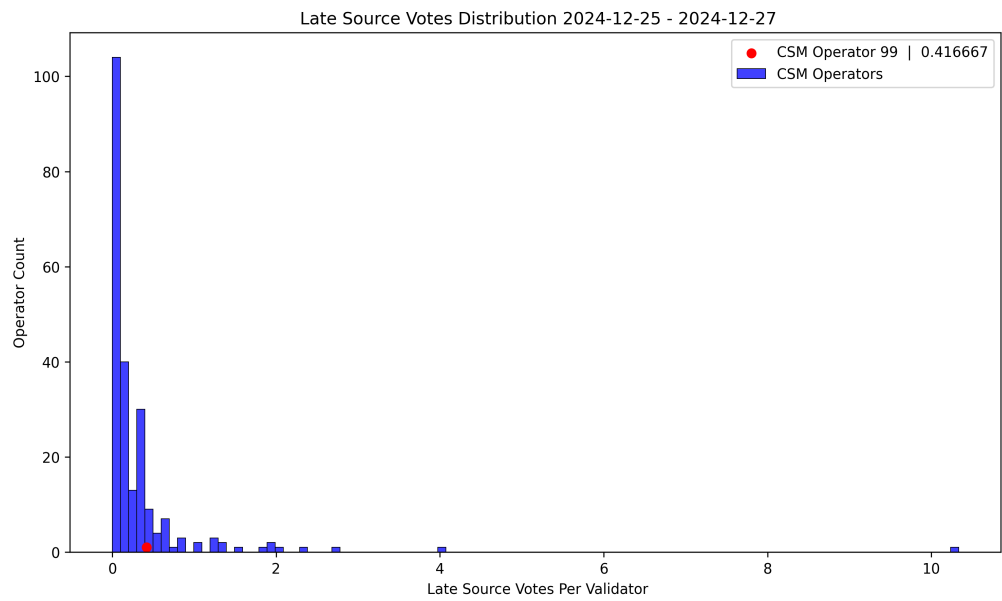# Operator 99 - Lido Community Staking Module - Late Source Votes Per Validator Analysis for 2024-12-25 - 2024-12-27

Late Source Votes Distribution 2024-12-25 - 2024-12-27

Metric	Value	Z-Score	Description
Late Source Votes	0.417	0.118	A late source vote occurs when a validator attests to a source checkpoint after the optimal time window, which is within 1 to 5 slots after the checkpoint's creation. Validators are expected to submit their source votes promptly to maintain network efficiency and security. Late source votes can result from network delays, synchronization issues, or misconfigurations. While there is no direct penalty for a late source vote, it can lead to missed target votes, which are penalized.
% Total Attestations	0.186%	0.114	
CSM Operators Avg	0.32		
CSM Operators Median	0.111		
Standard Deviation	0.821		
# Validators	12		
Total Attestations	8084		