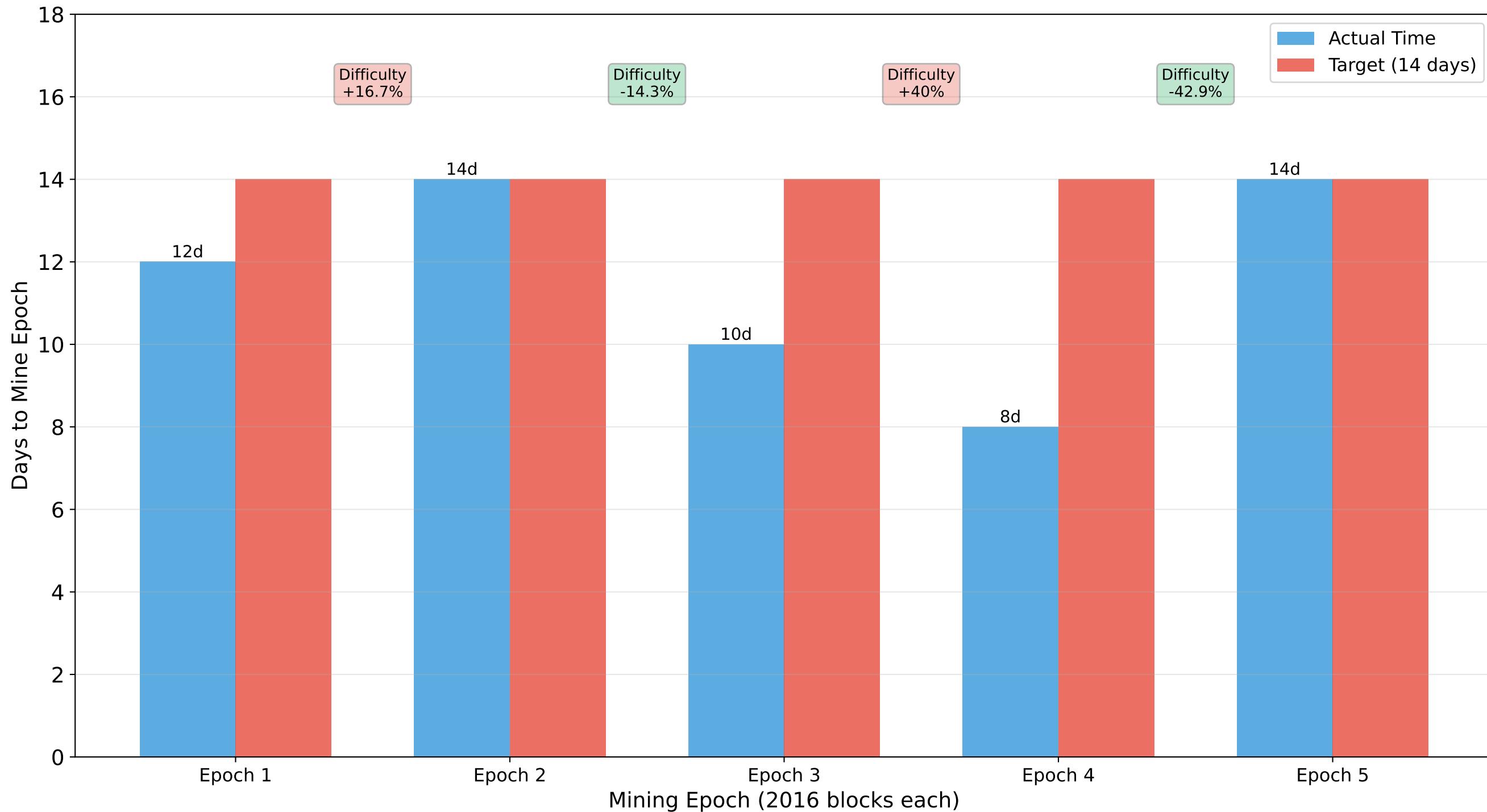


Bitcoin Difficulty Adjustment Mechanism



New Difficulty = Old Difficulty \times (Target Time / Actual Time)
Adjusts every 2016 blocks (~2 weeks) to maintain 10-minute block target
Source: Bitcoin Core Implementation, BIP-42 (2024)