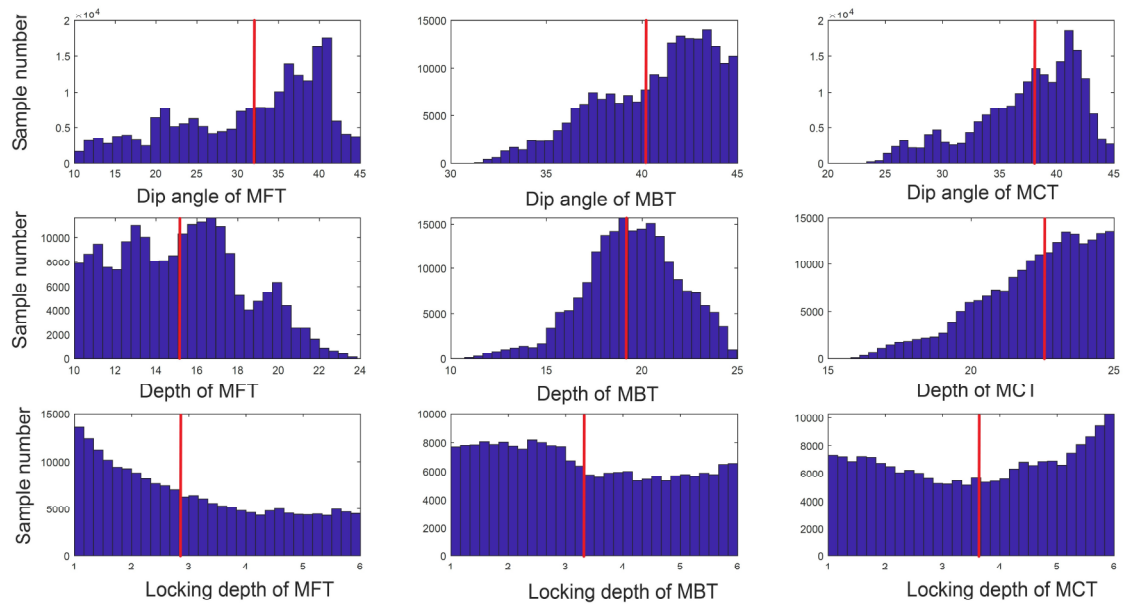


Appendix A

Supplementary information for Chapter 4



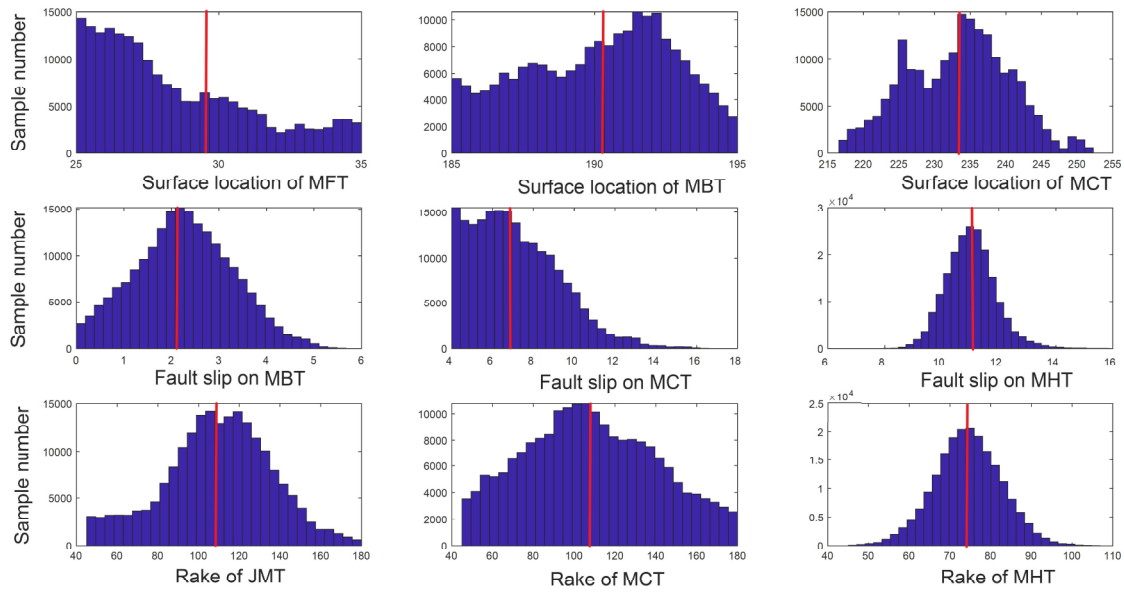


Fig. A1 Posterior probability distributions for the inversion of 2-D fault model in A-A' profile. Red vertical lines indicate the mean values. MHT: Main Himalayan Thrust, MCT: Main Central Thrust, MFT: Main Frontal Thrust.

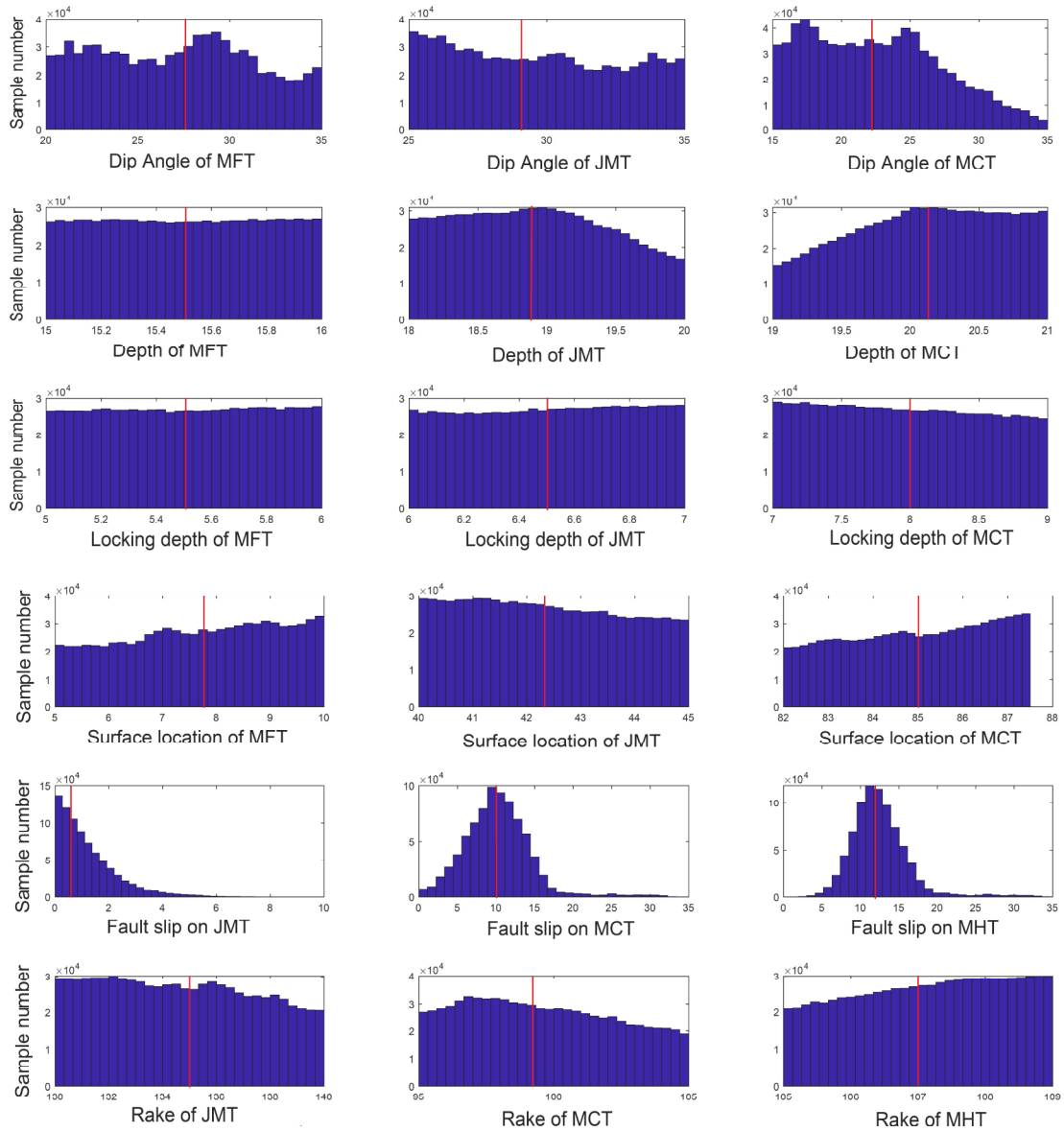


Fig. A2 Posterior probability distributions for the inversion of 2-D fault model in B-B' profile. MHT: Main Himalayan Thrust, MCT: Main Central Thrust, MFT: Main Frontal Thrust, JMT: Jawalamukhi Thrust.

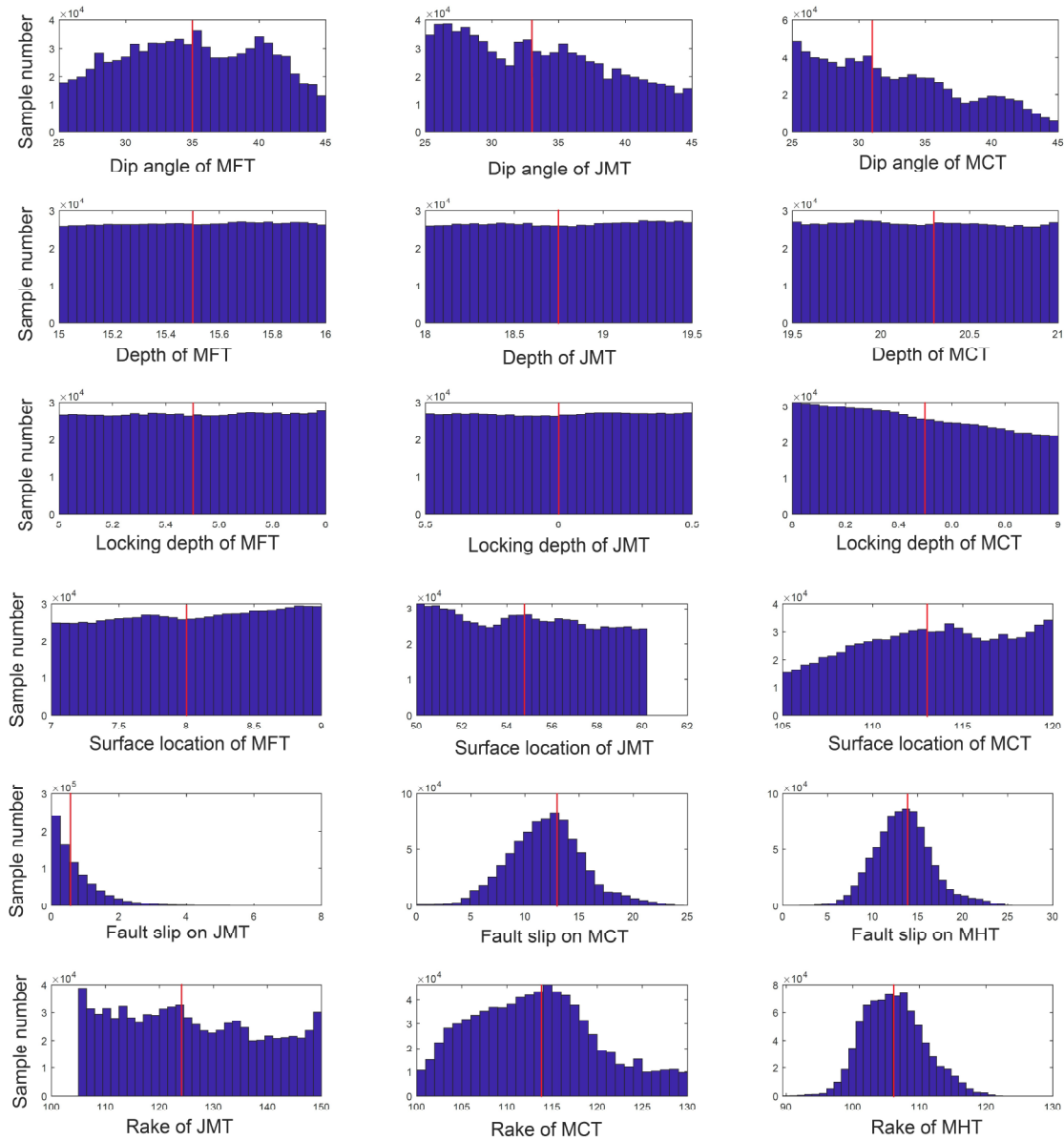


Fig. A3 Posterior probability distributions for the inversion of 2-D fault model in C-C' profile. MHT: Main Himalayan Thrust, MCT: Main Central Thrust, MFT: Main Frontal Thrust, JMT: Jawalamukhi Thrust.

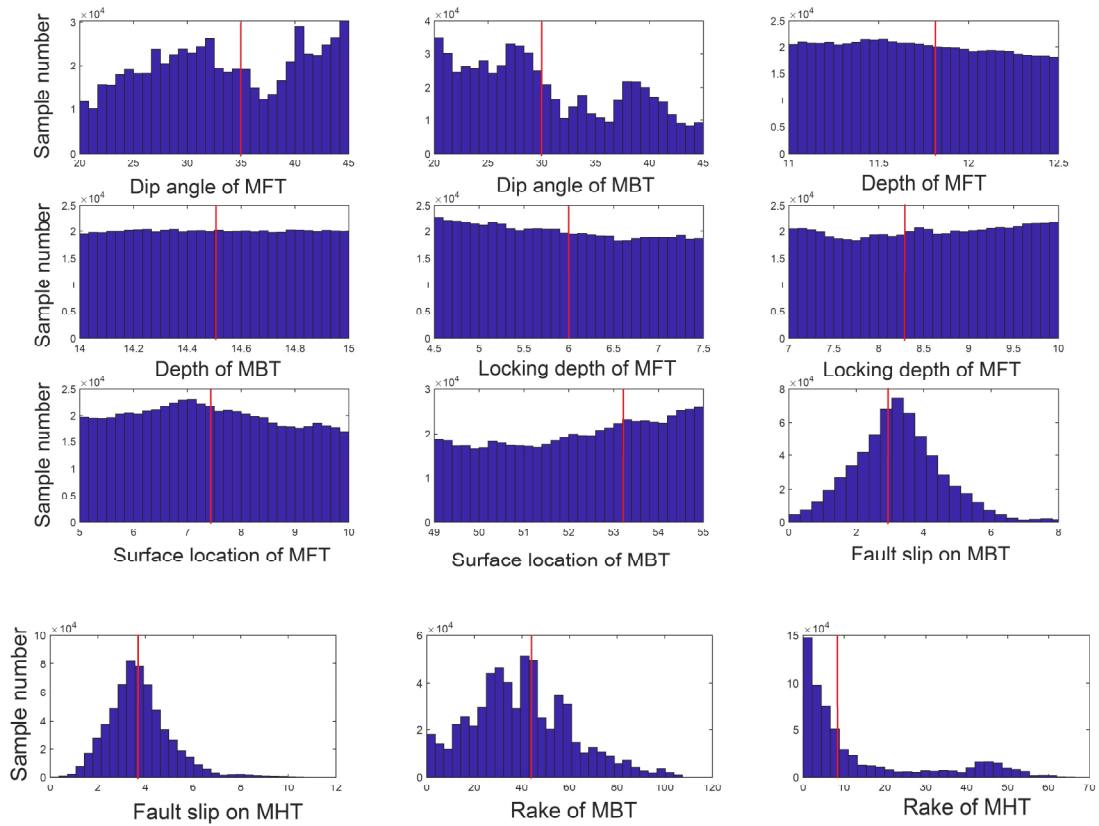


Fig. A4 Posterior probability distributions for the inversion of 2-D fault model in D-D' profile. MHT: Main Himalayan Thrust, MBT: Main Boundary Thrust, MCT: Main Central Thrust, MFT: Main Frontal Thrust.

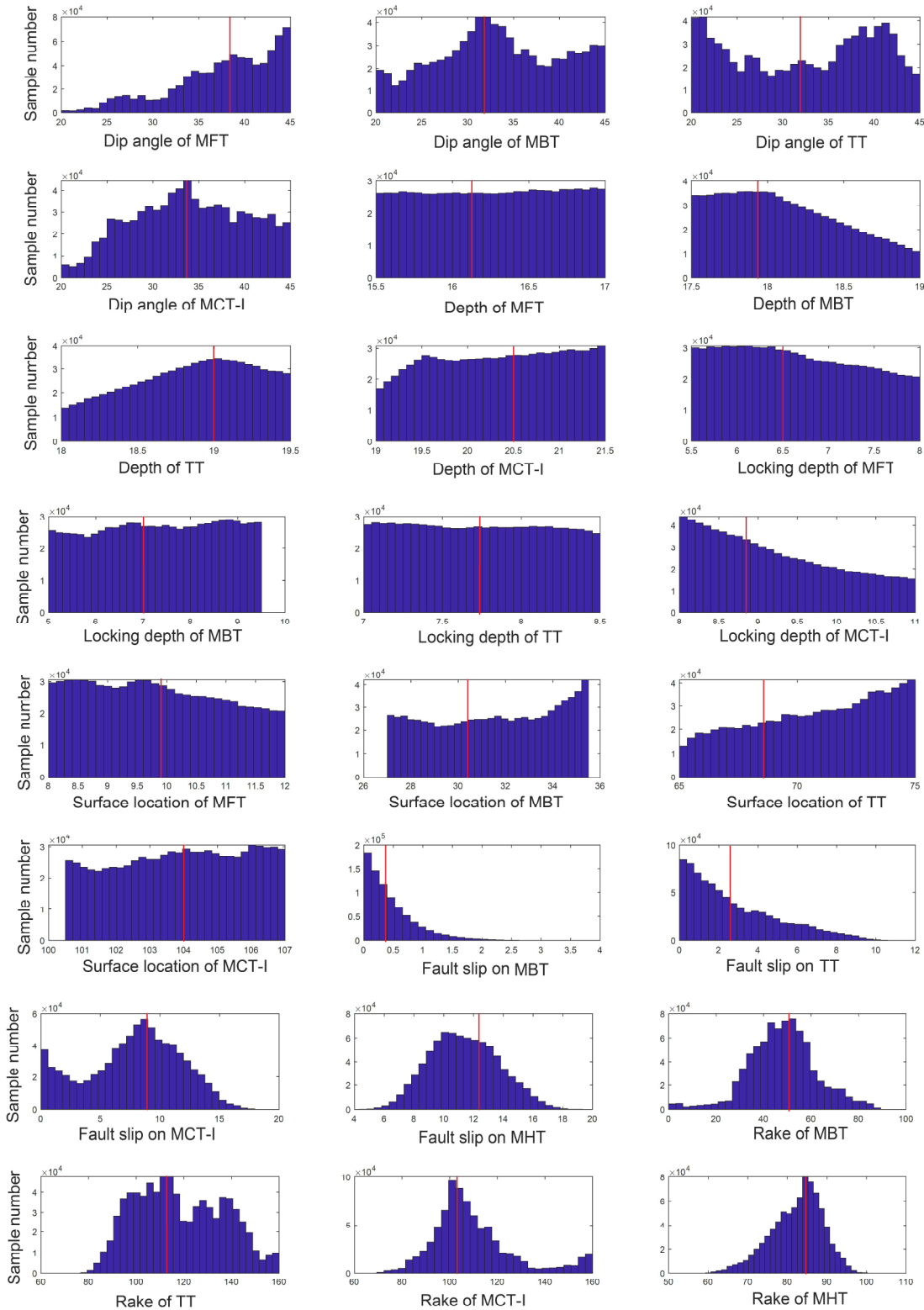


Fig. A5 Posterior probability distributions for the inversion of 2-D fault model in E-E' profile. MHT: Main Himalayan Thrust, MBT: Main Boundary Thrust, MCT: Main Central Thrust, MFT: Main Frontal Thrust, TT: Tones Thrust.

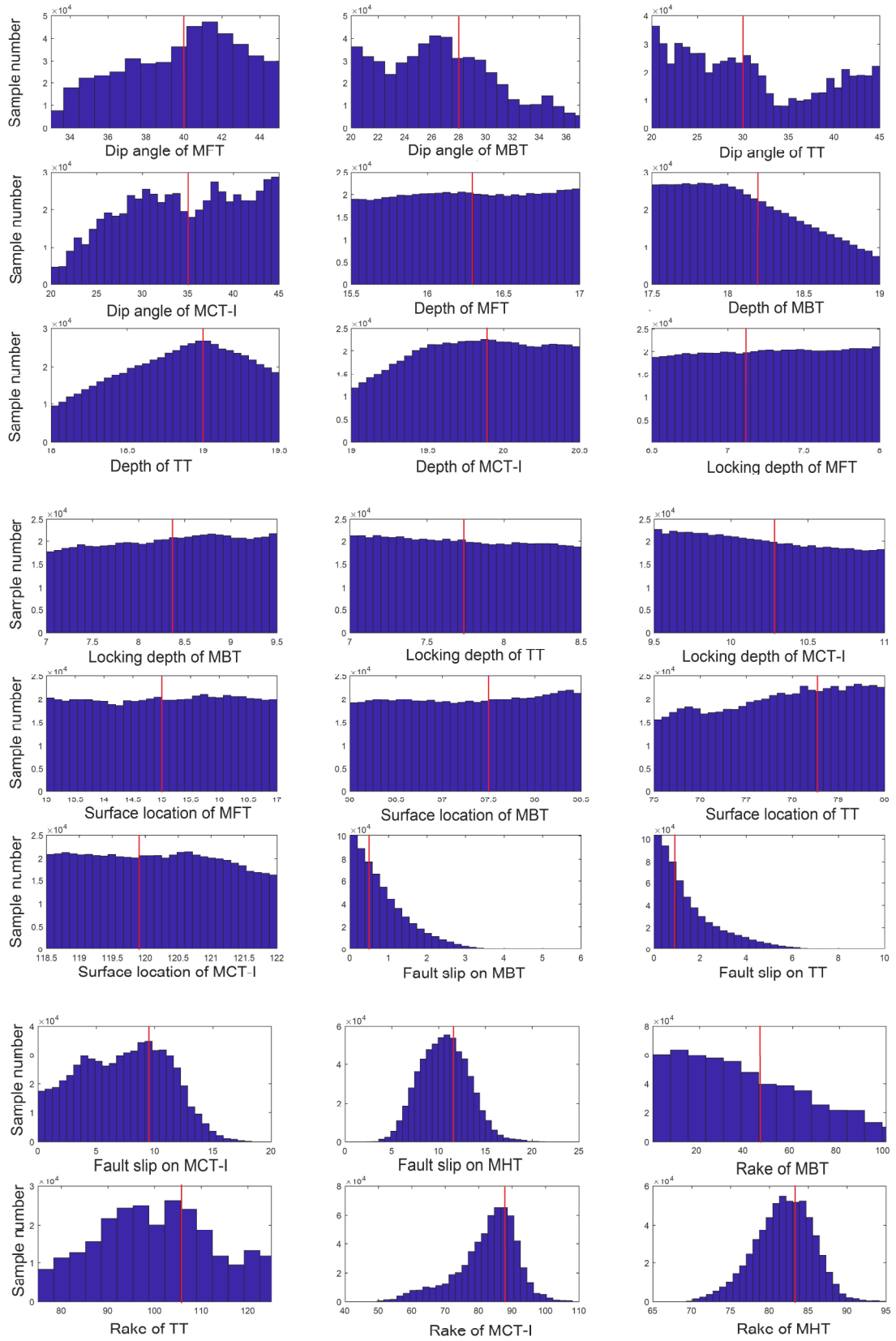


Fig. A6 Posterior probability distributions for the inversion of 2-D fault model in F-F' profile. MHT: Main Himalayan Thrust, MBT: Main Boundary Thrust, MCT: Main Central Thrust, MFT: Main Frontal Thrust, TT: Tones Thrust.

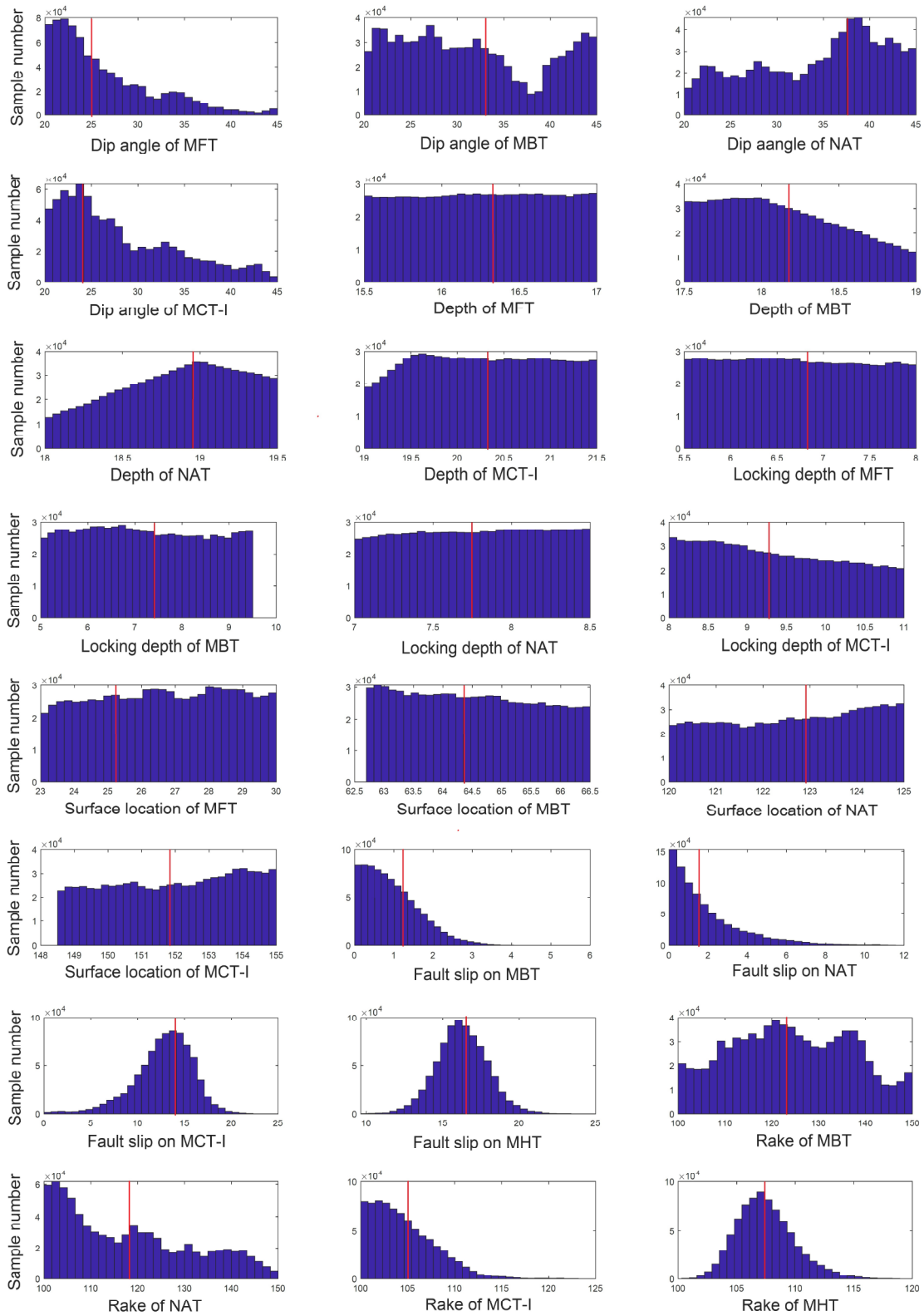


Fig. A7 Posterior probability distributions for the inversion of 2-D fault model in G-G' profile. MHT: Main Himalayan Thrust, MBT: Main Boundary Thrust, MCT: Main Central Thrust, MFT: Main Frontal Thrust, TT: Tones Thrust.

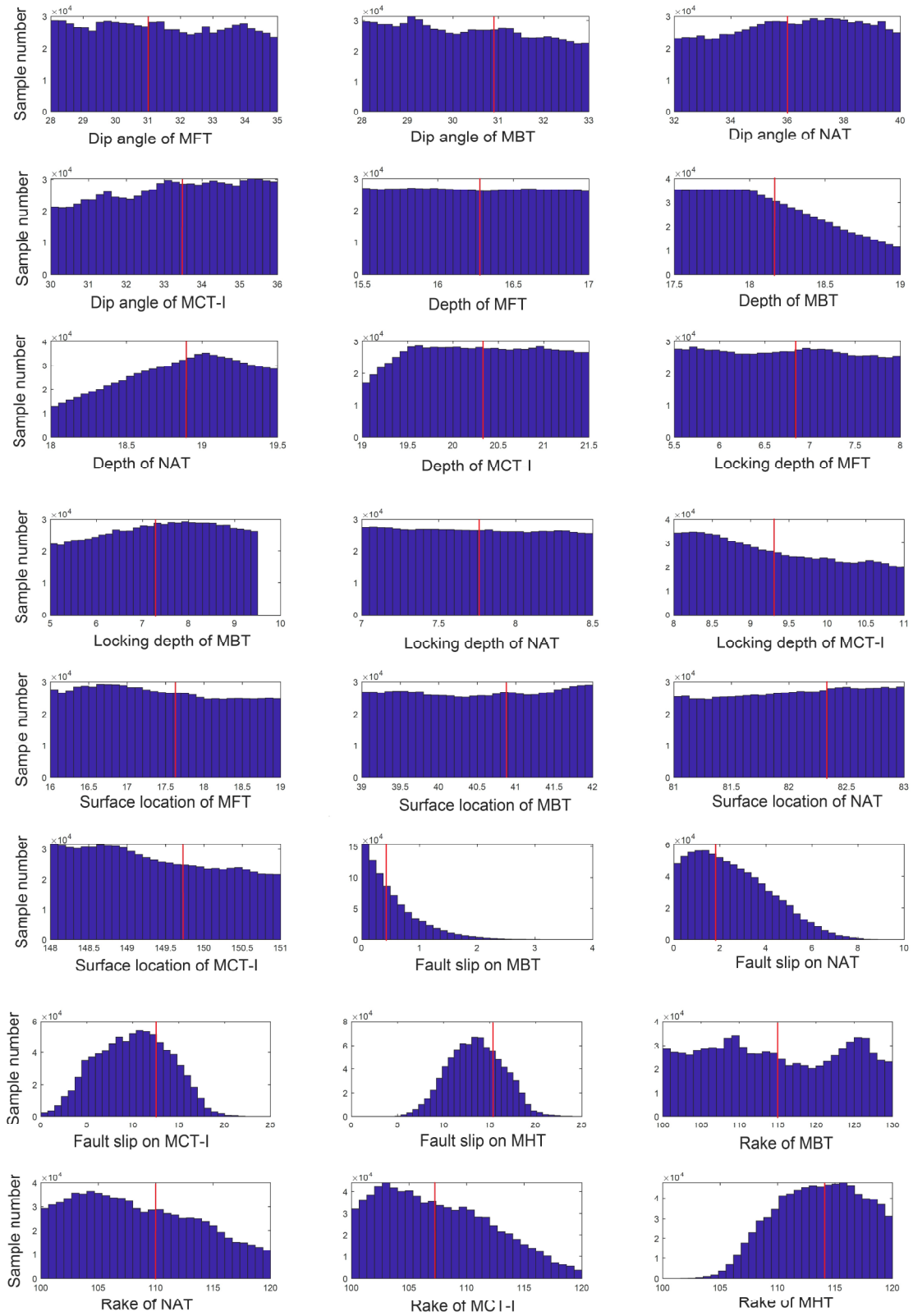


Fig. A8 Posterior probability distributions for the inversion of 2-D fault model in H-H' profile. MHT: Main Himalayan Thrust, MBT: Main Boundary Thrust, MCT: Main Central Thrust, MFT: Main Frontal Thrust, TT: Tones Thrust.

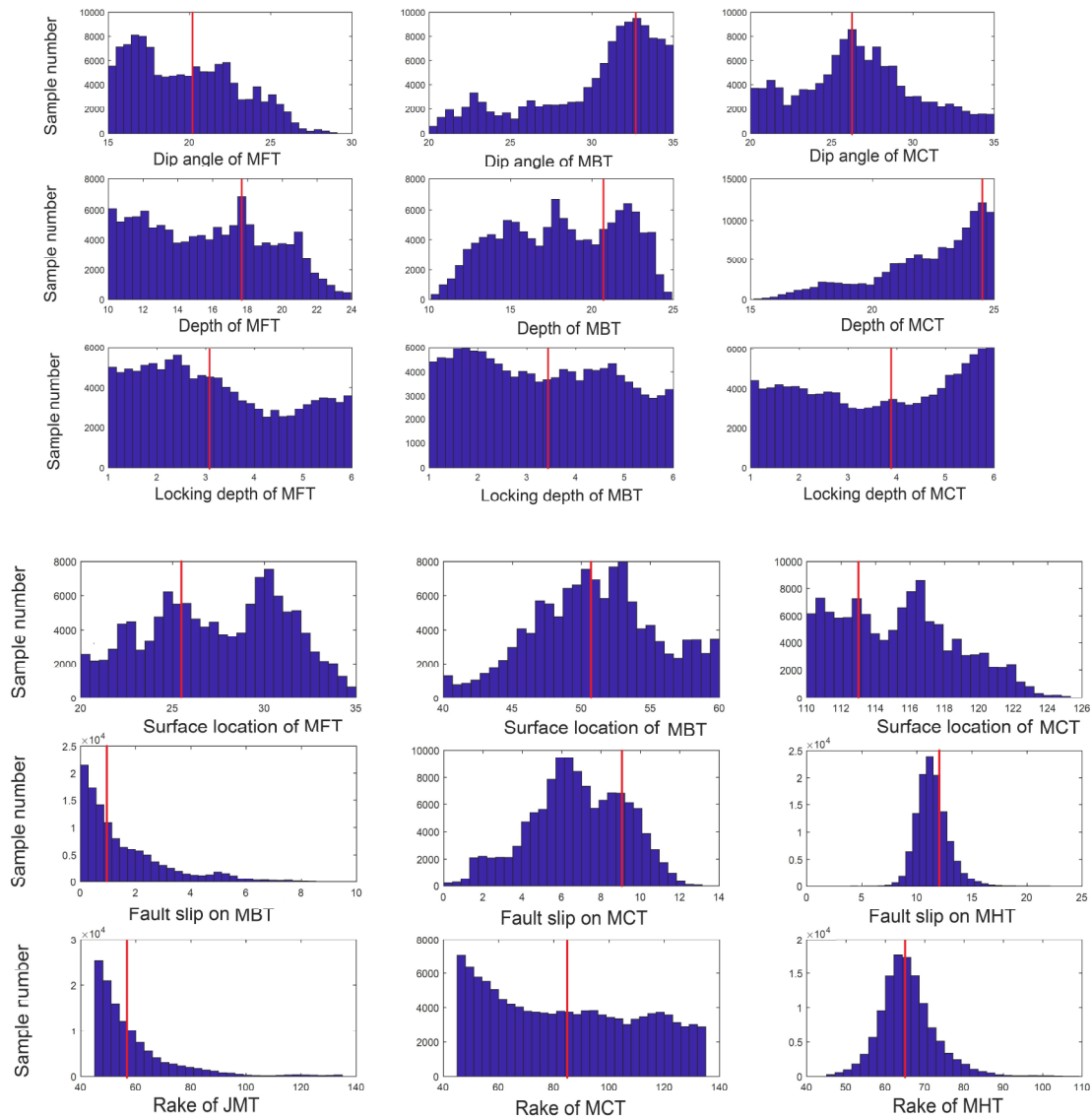


Fig. A9 Posterior probability distributions for the inversion of 2-D fault model in I-I' profile. MHT: Main Himalayan Thrust, MBT: Main Boundary Thrust, MCT: Main Central Thrust, MFT: Main Frontal Thrust, TT: Tones Thrust.

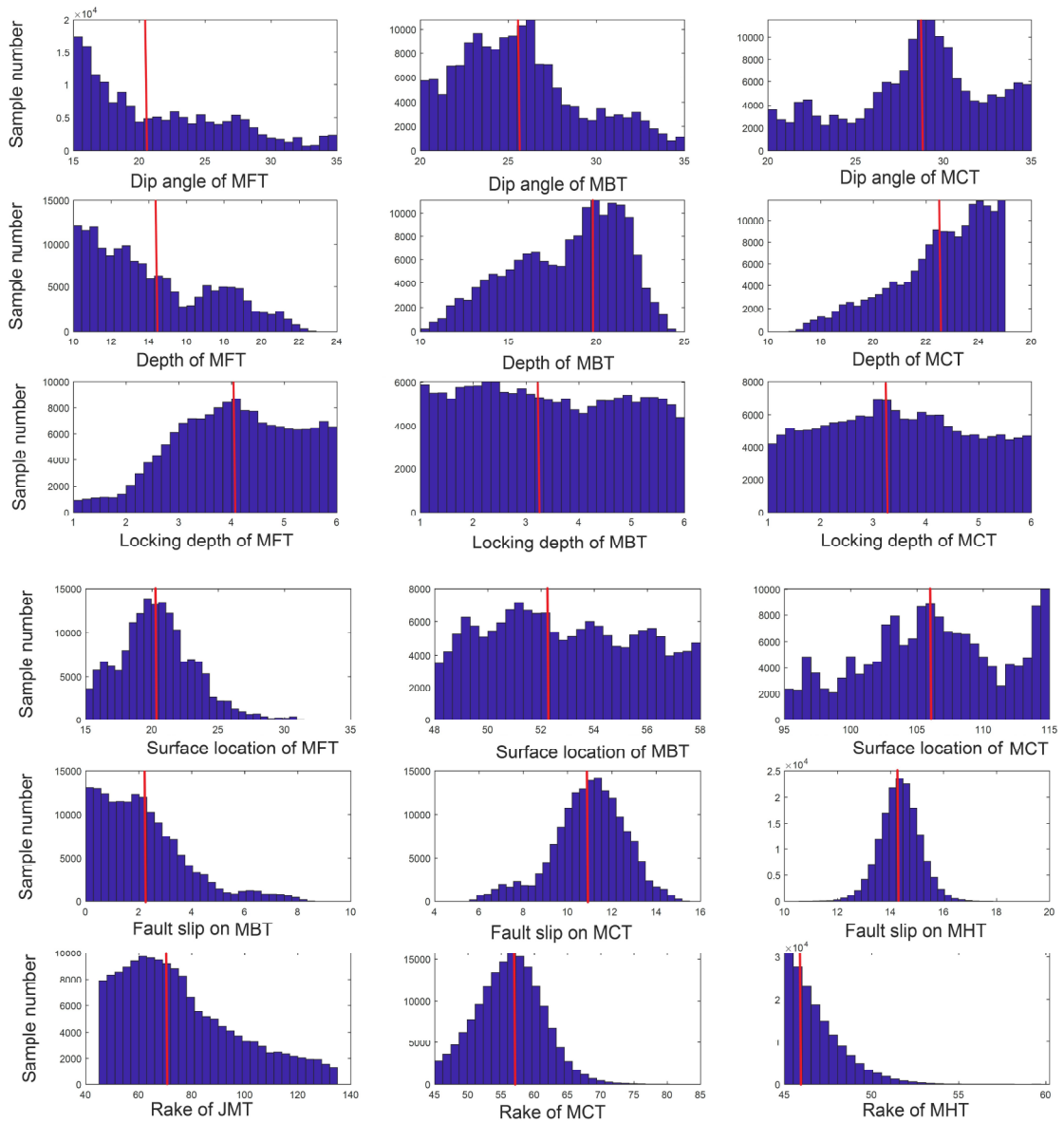


Fig. A10 Posterior probability distributions for the inversion of 2-D fault model in J-J' profile. MHT: Main Himalayan Thrust, MBT: Main Boundary Thrust, MCT: Main Central Thrust, MFT: Main Frontal Thrust.

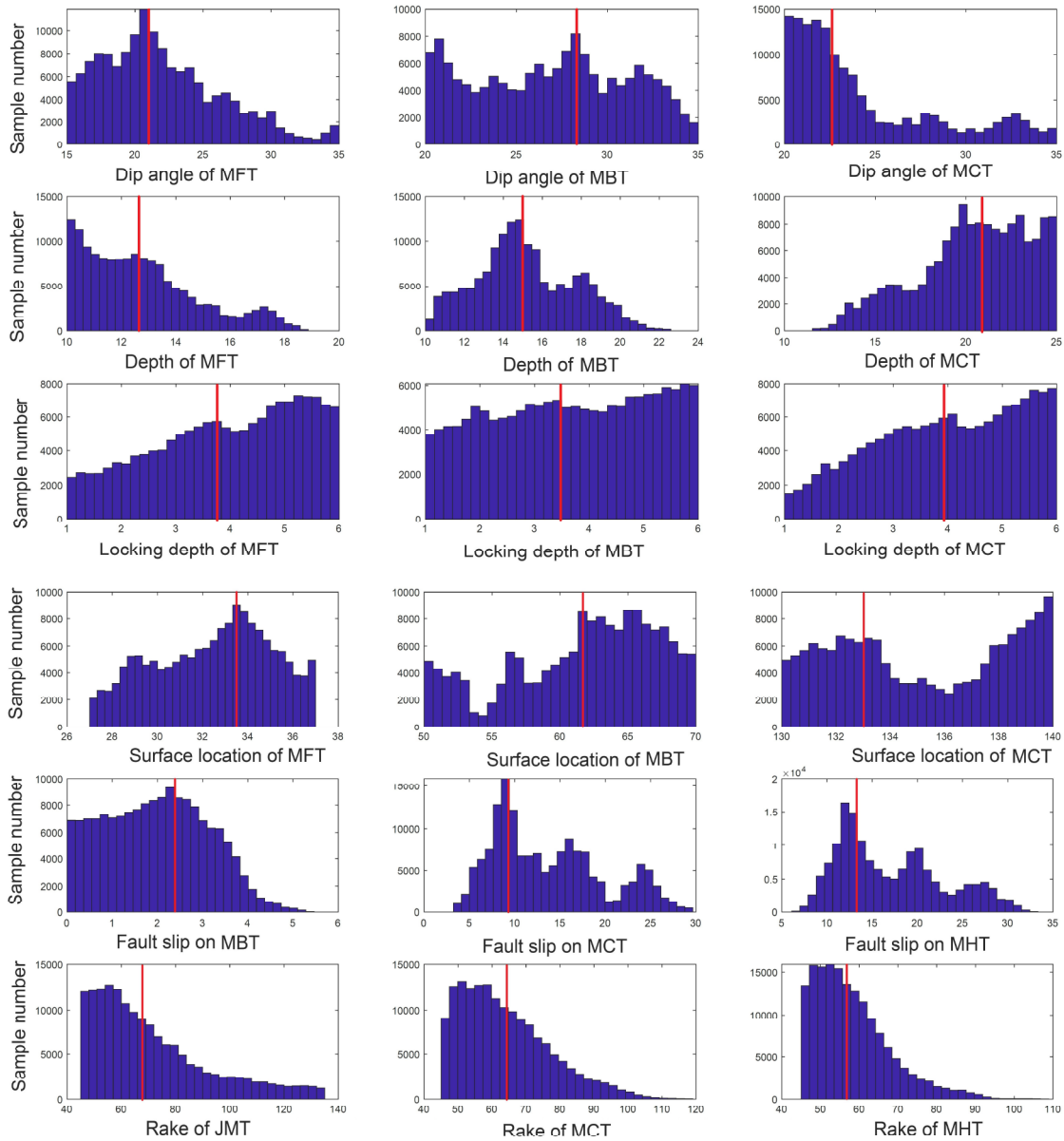


Fig. A11 Posterior probability distributions for the inversion of 2-D fault model in K-K' profile. MHT: Main Himalayan Thrust, MBT: Main Boundary Thrust, MCT: Main Central Thrust, MFT: Main Frontal Thrust.

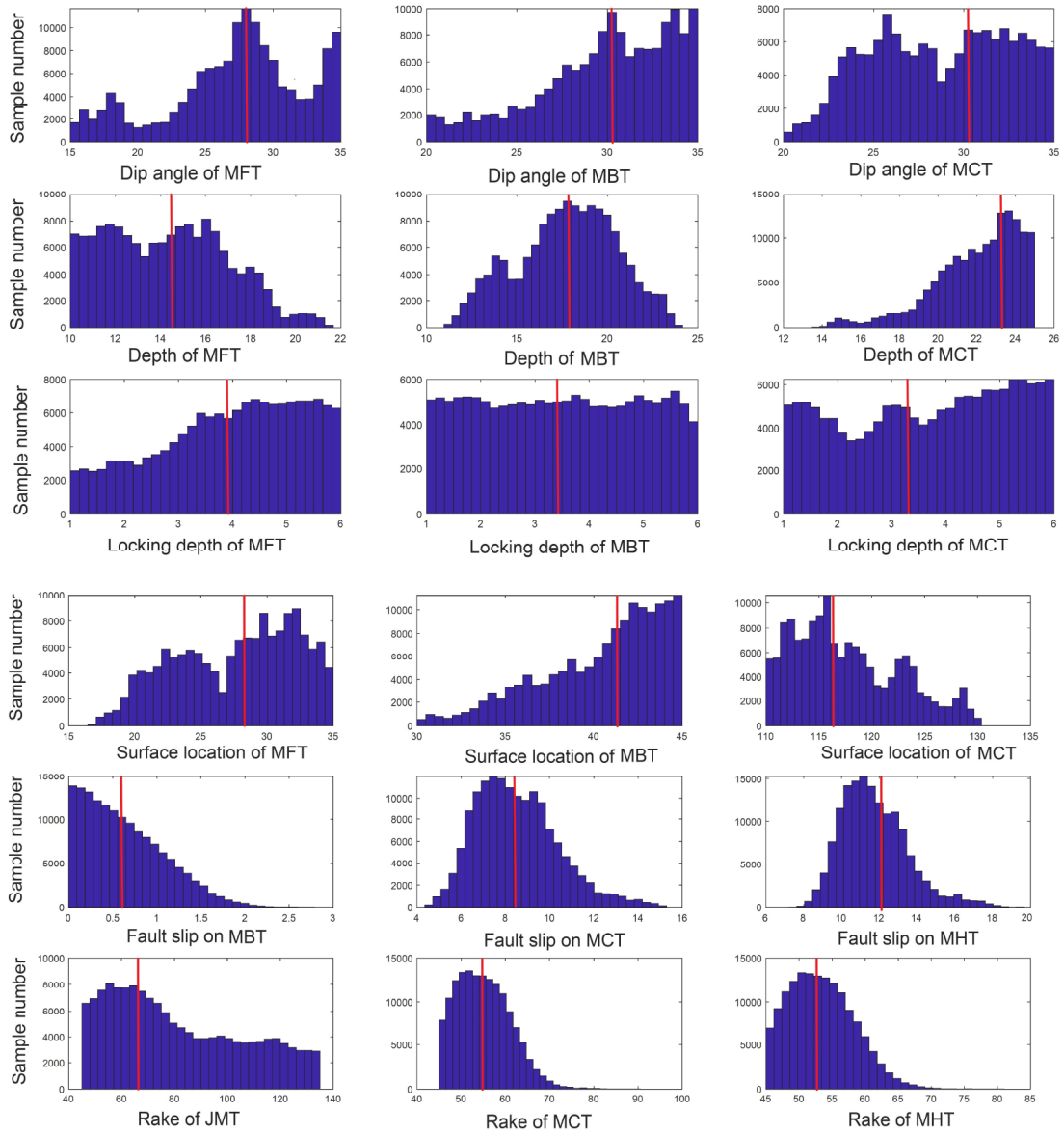


Fig. A12 Posterior probability distributions for the inversion of 2-D fault model in L-L' profile. MHT: Main Himalayan Thrust, MBT: Main Boundary Thrust, MCT: Main Central Thrust, MFT: Main Frontal Thrust.

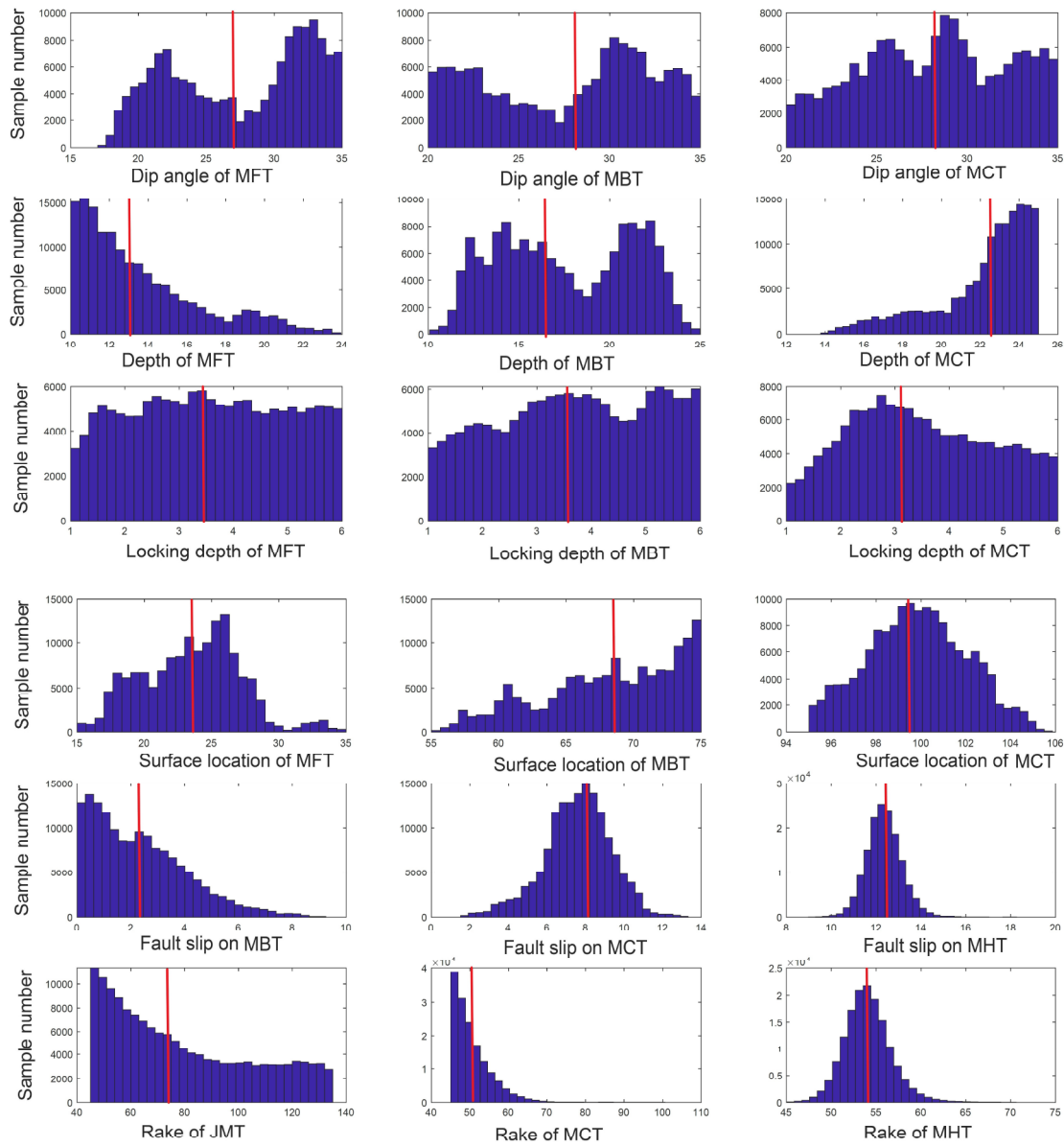


Fig. A13 Posterior probability distributions for the inversion of 2-D fault model in M-M' profile. MHT: Main Himalayan Thrust, MBT: Main Boundary Thrust, MCT: Main Central Thrust, MFT: Main Frontal Thrust.

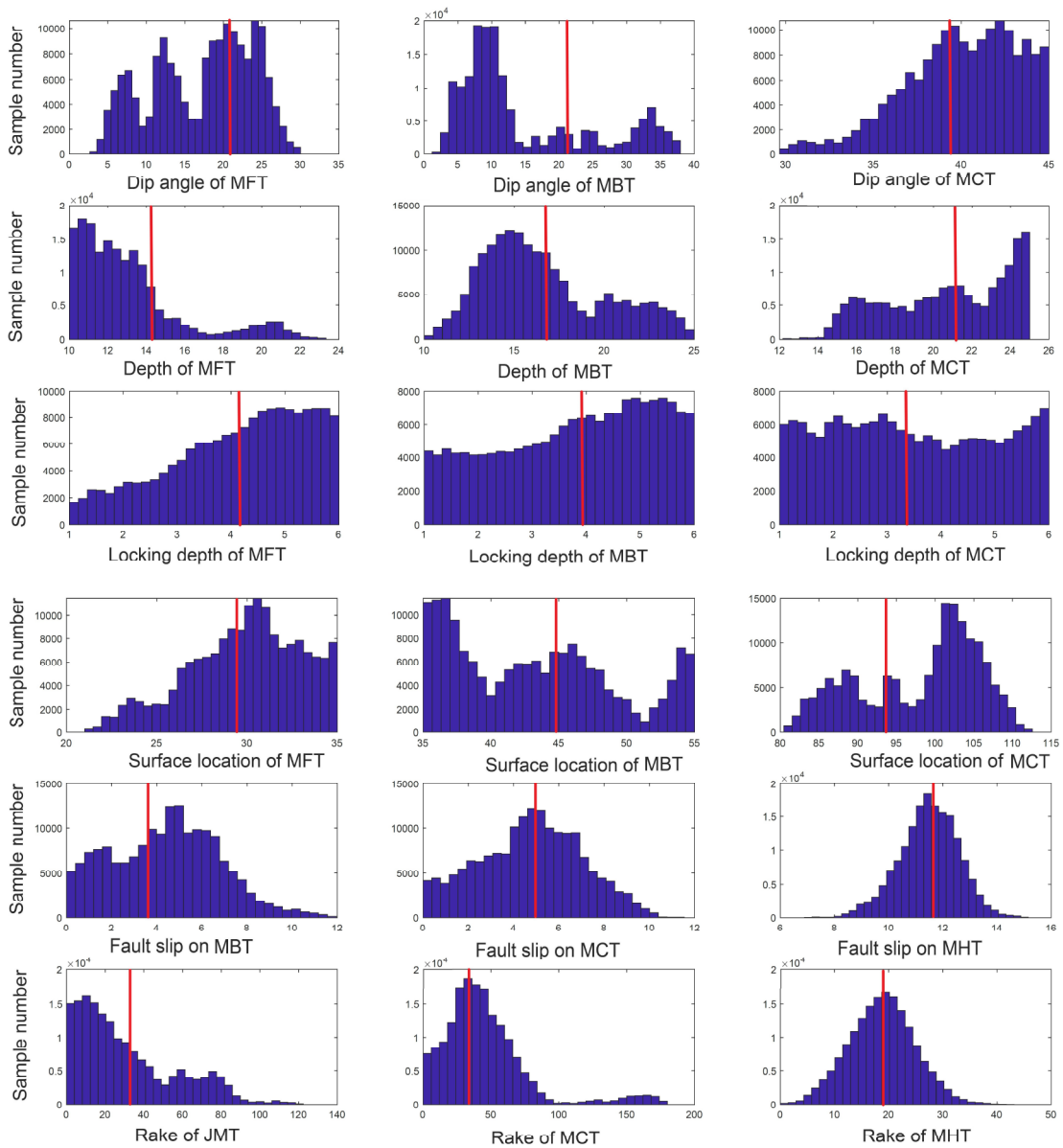


Fig. A14 Posterior probability distributions for the inversion of 2-D fault model in N-N' profile. MHT: Main Himalayan Thrust, MBT: Main Boundary Thrust, MCT: Main Central Thrust, MFT: Main Frontal Thrust.

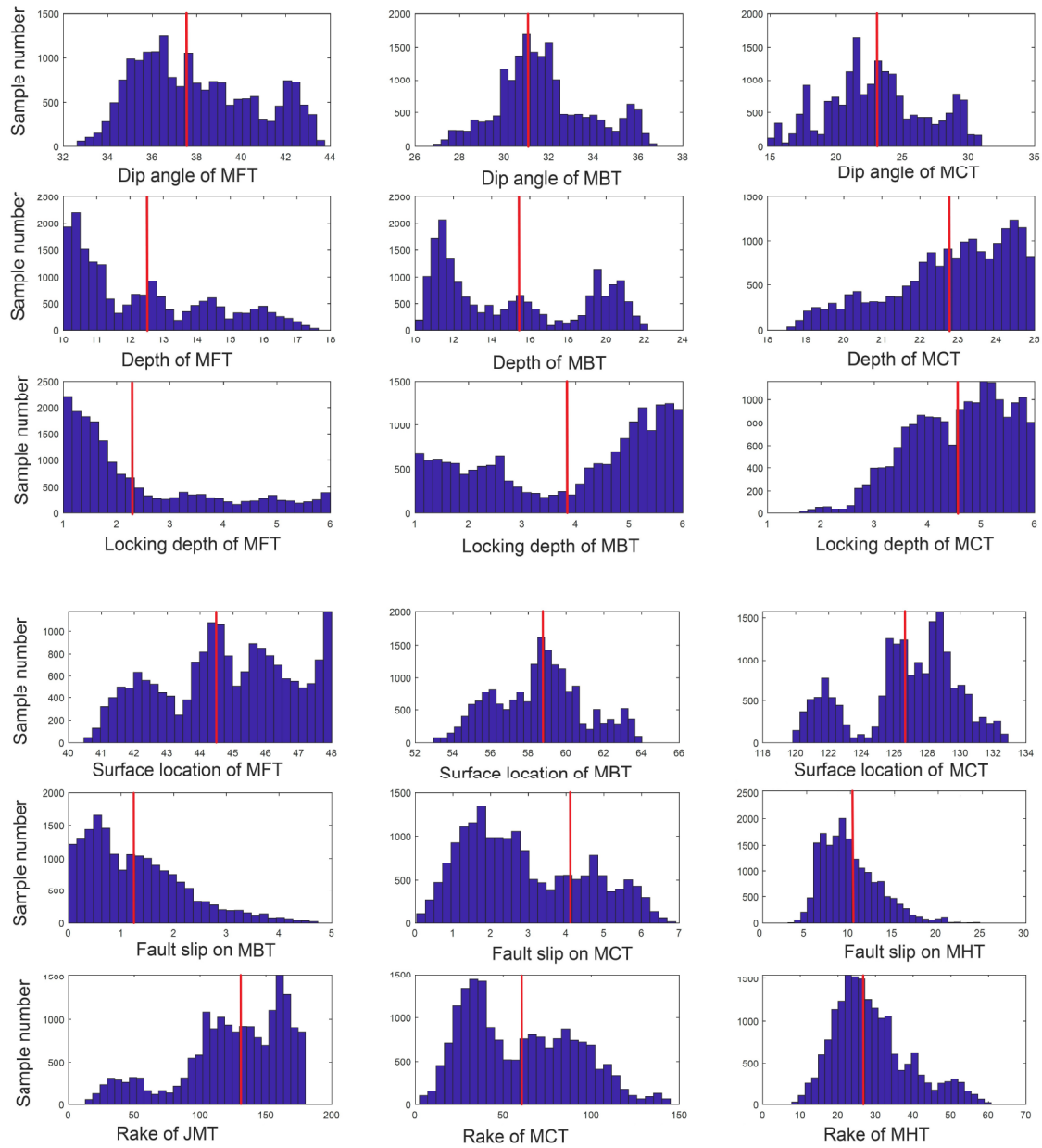


Fig. A15 Posterior probability distributions for the inversion of 2-D fault model in O-O' profile. MHT: Main Himalayan Thrust, MBT: Main Boundary Thrust, MCT: Main Central Thrust, MFT: Main Frontal Thrust.