Contents of this file

Figures S1, S2

Table S1

Introduction

Figure S1 shows the convergence of model parameters in the Bayesian search for the south- and north-dipping fault models. Figure S2 presents the determination of the smoothing factor in the distributed slip inversion. Table S1 lists the interferogram weights for weighted averaging.

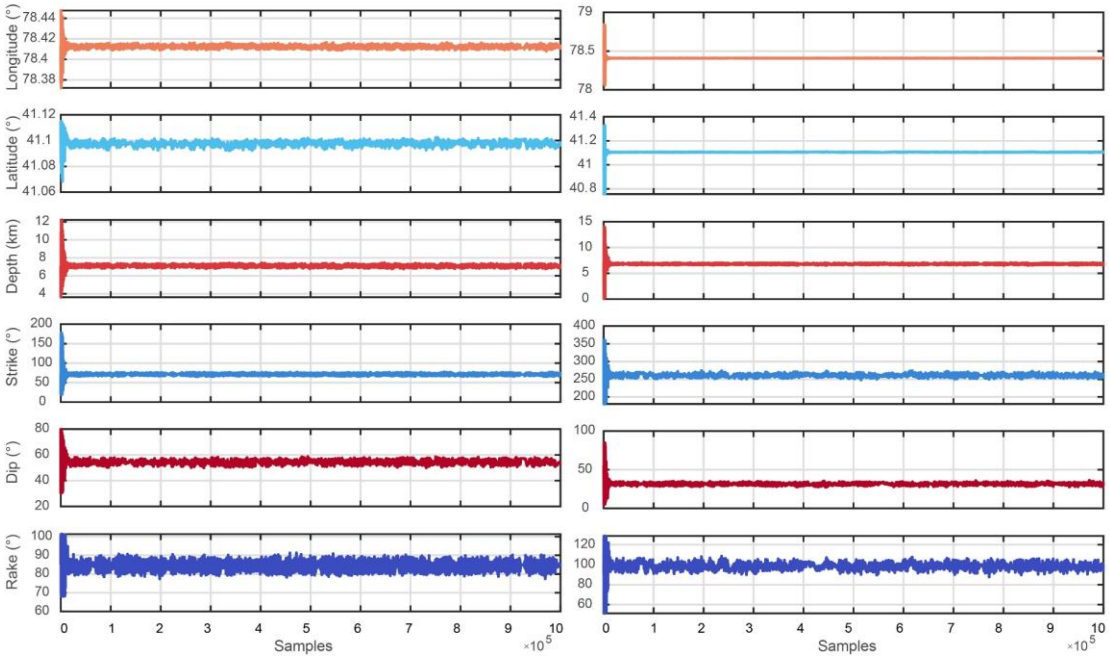


Figure S1 Convergence of MCMC samples. The left and right columns correspond to the south-dipping and north-dipping model scenarios, respectively.

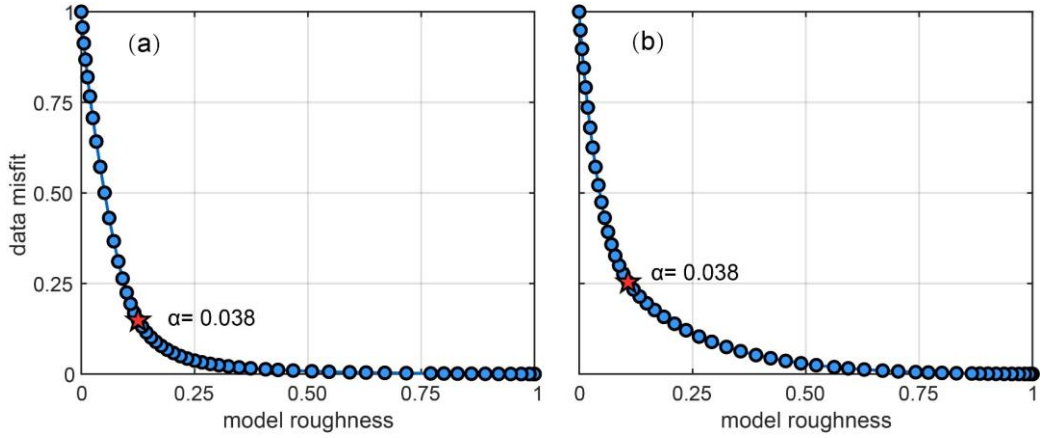


Figure S2 Determination of the smoothing factor used in slip distribution inversion, (a) South-dipping model (b) North-dipping model

Table S1 Weights assigned to interferograms based on variogram fitting.

Track number	Image pairs	Sill variance (mm^2)	Weight
T56	20251116-20251210	5.69	0.13
	20251116-20251222	1.42	0.51
	20251128-20251210	5.56	0.13
	20251128-20251222	3.21	0.23
T34	20251115-20251209	4.91	0.23
	20251115-20251221	4.82	0.23
	20251127-20251209	4.74	0.23
	20251127-20251221	3.61	0.31
T136	20251122-20251216	2.94	0.32
	20251122-20251228	3.86	0.24
	20251204-20251216	3.91	0.24
	20251204-20251228	4.59	0.20