Supplementary Material

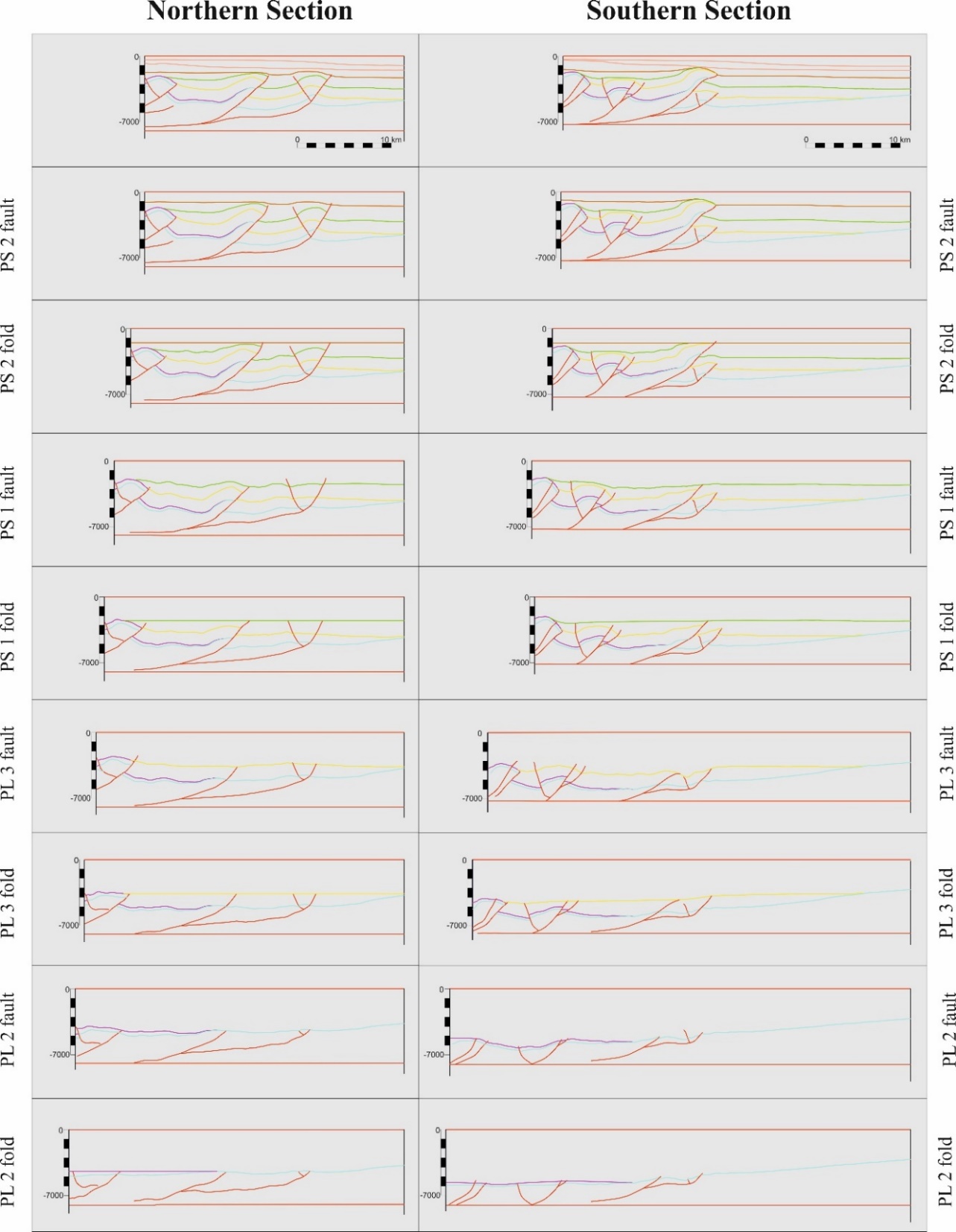
# Supplementary Figures and References

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**Supplementary Figure 1.**

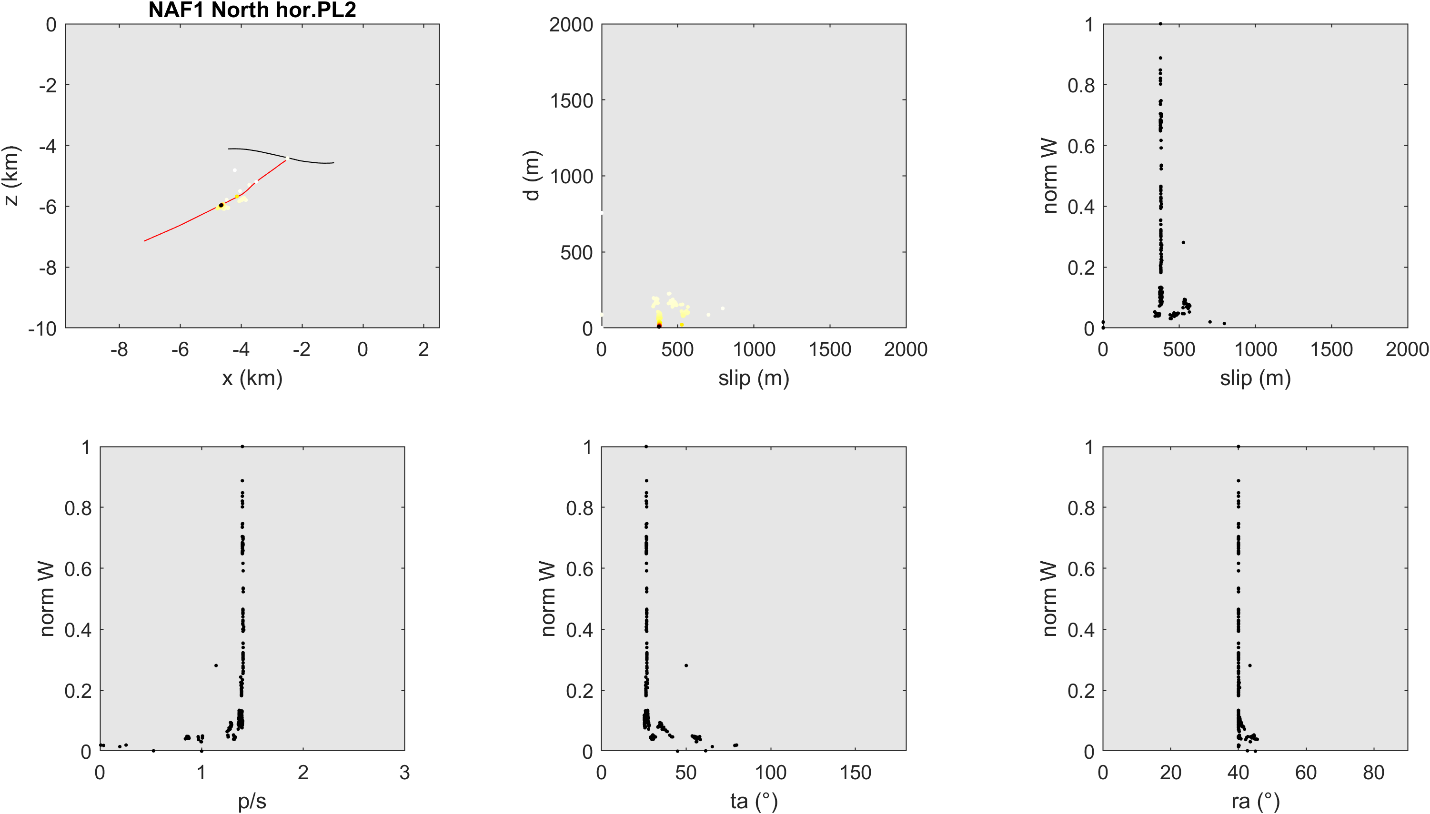
Po Plain and Northern Adriatic Sea slip rates.Red lines are the main tectonic lineaments, colored circles show the location of the slip rate datasets available in literature (see Supplementary References).



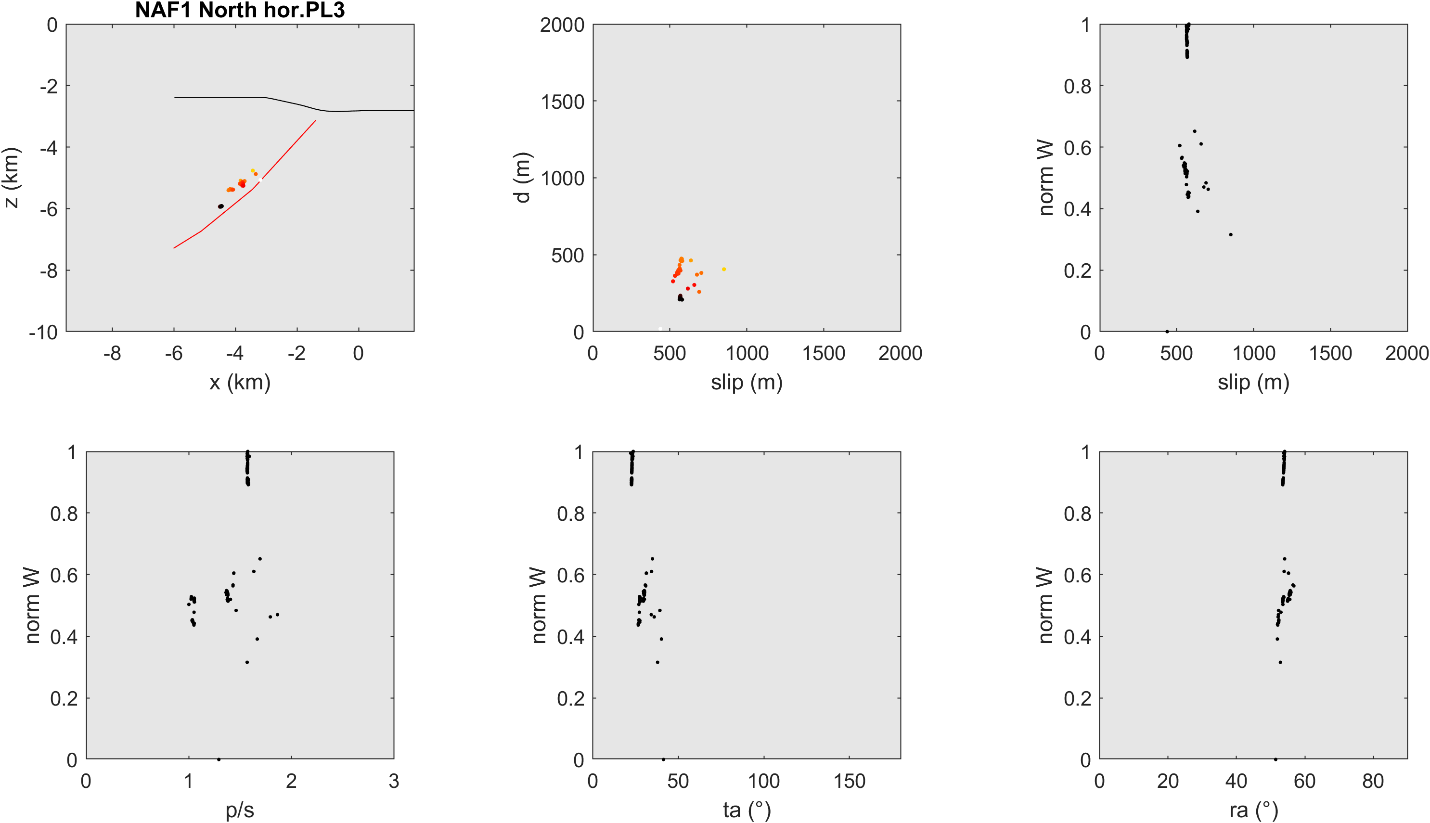
**Supplementary Figure 2.**

Main steps of the regional cross sections’ restoration process. Colors are the same as those in figures 6, 7, and 8 of the article. The terms “fault” and “fold” near the passages indicate the restoration of the shortening associated to either fault displacement or to folding, respectively.

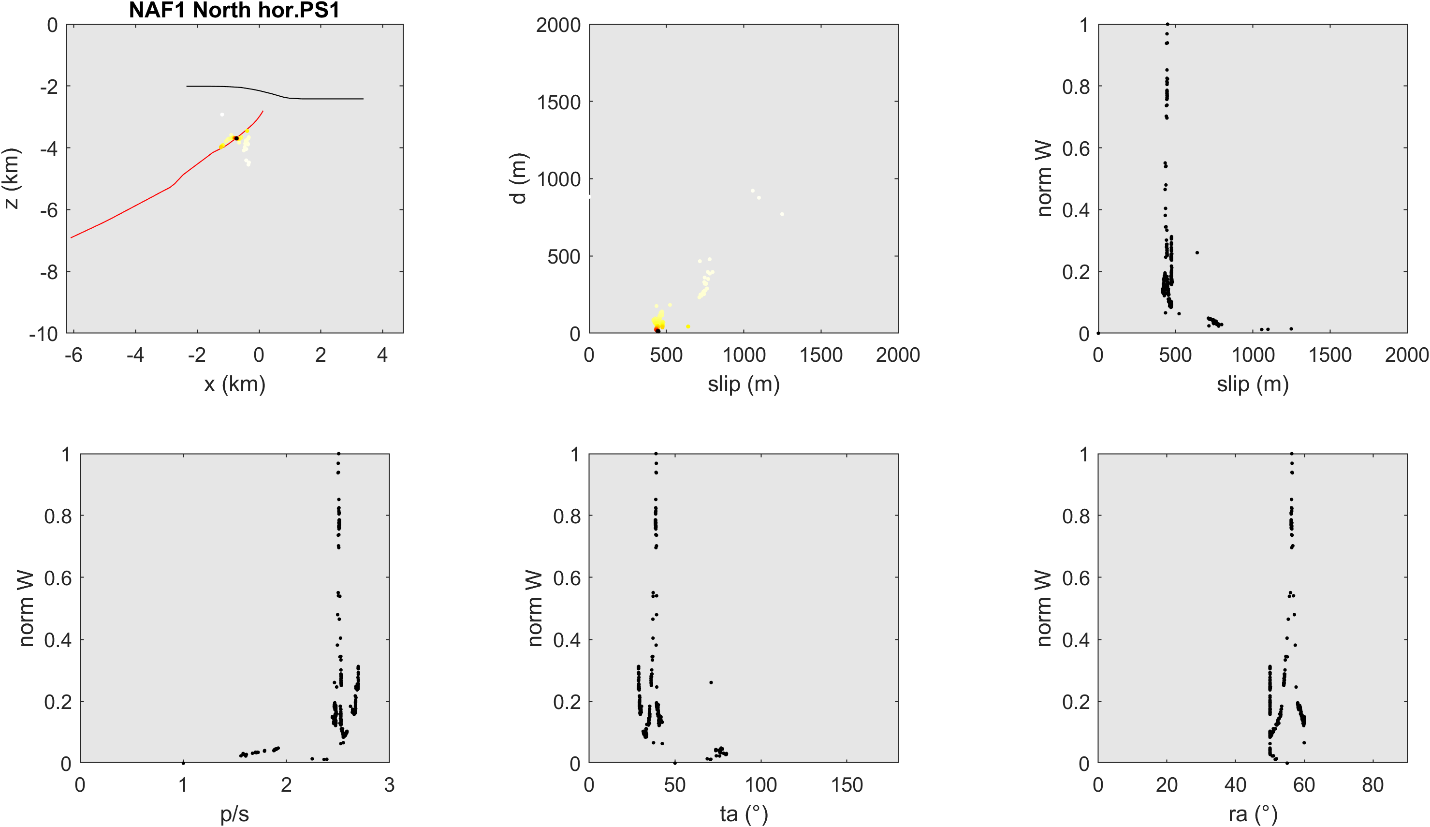
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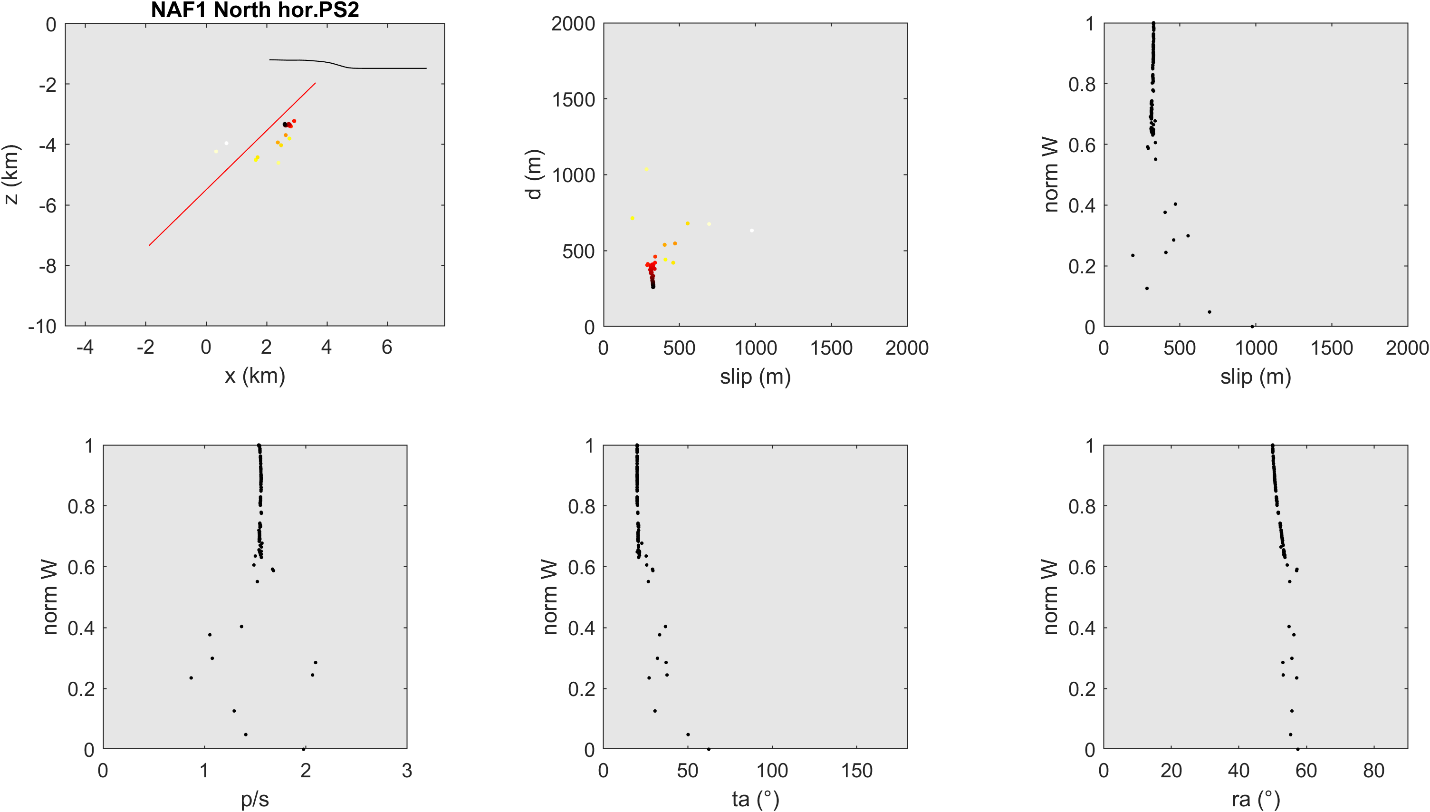
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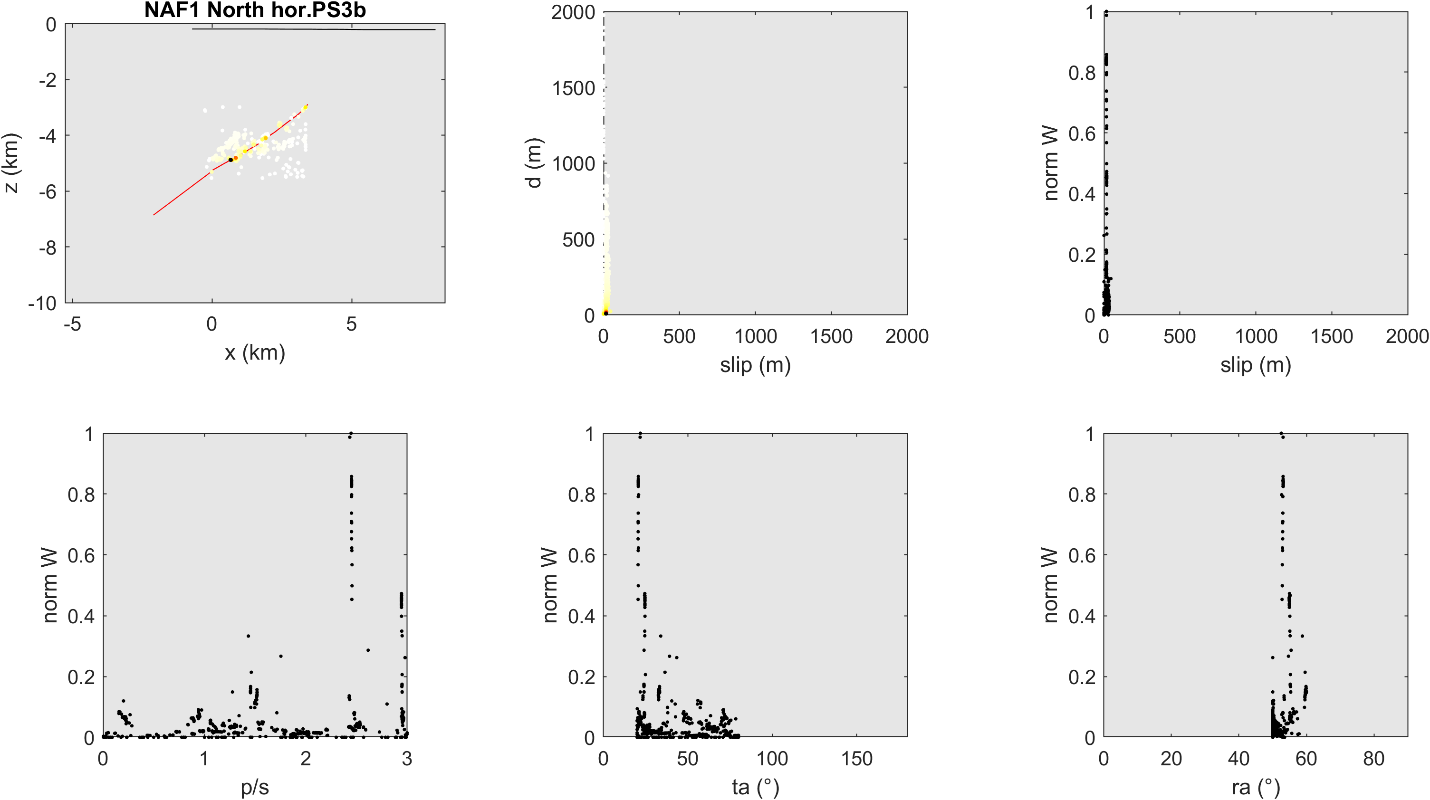
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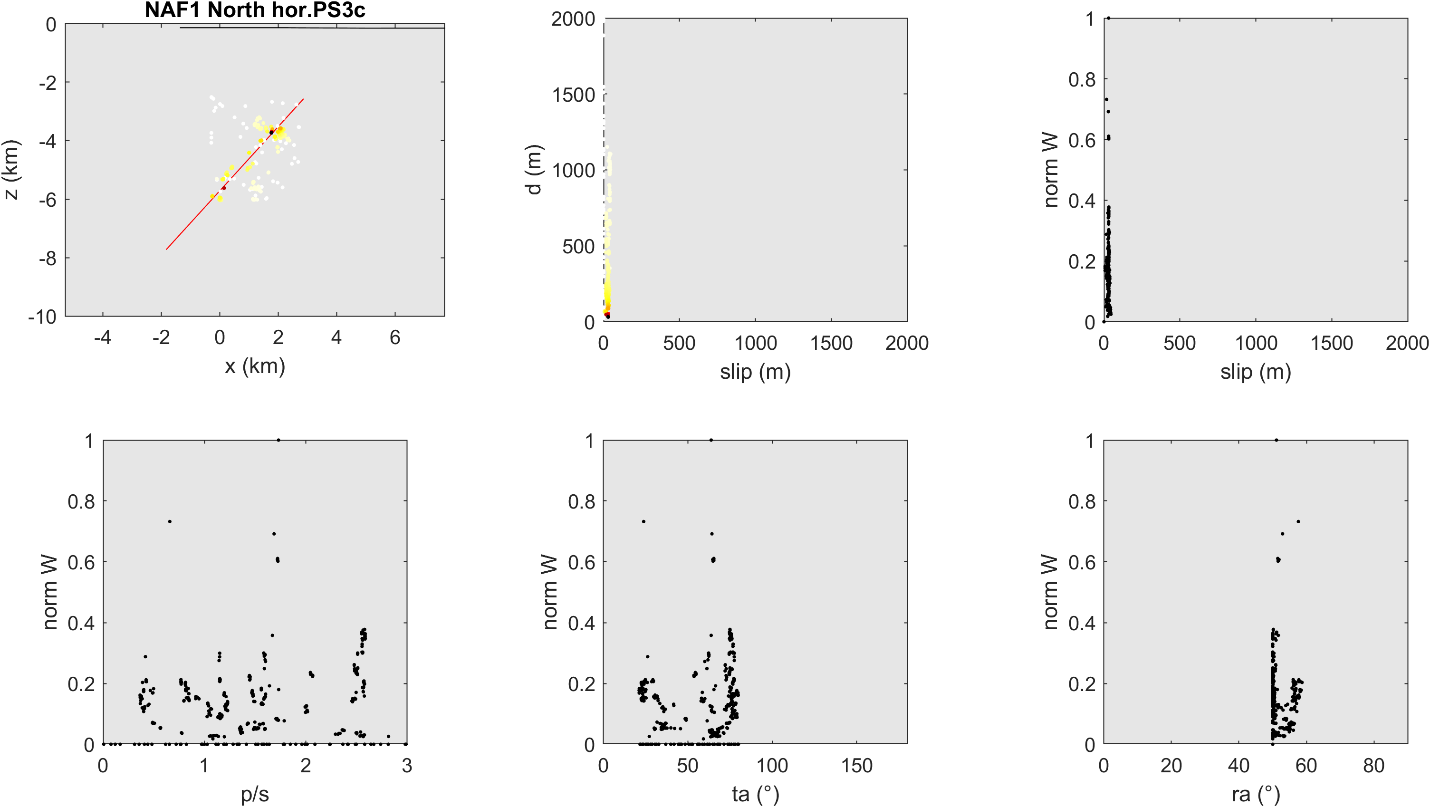
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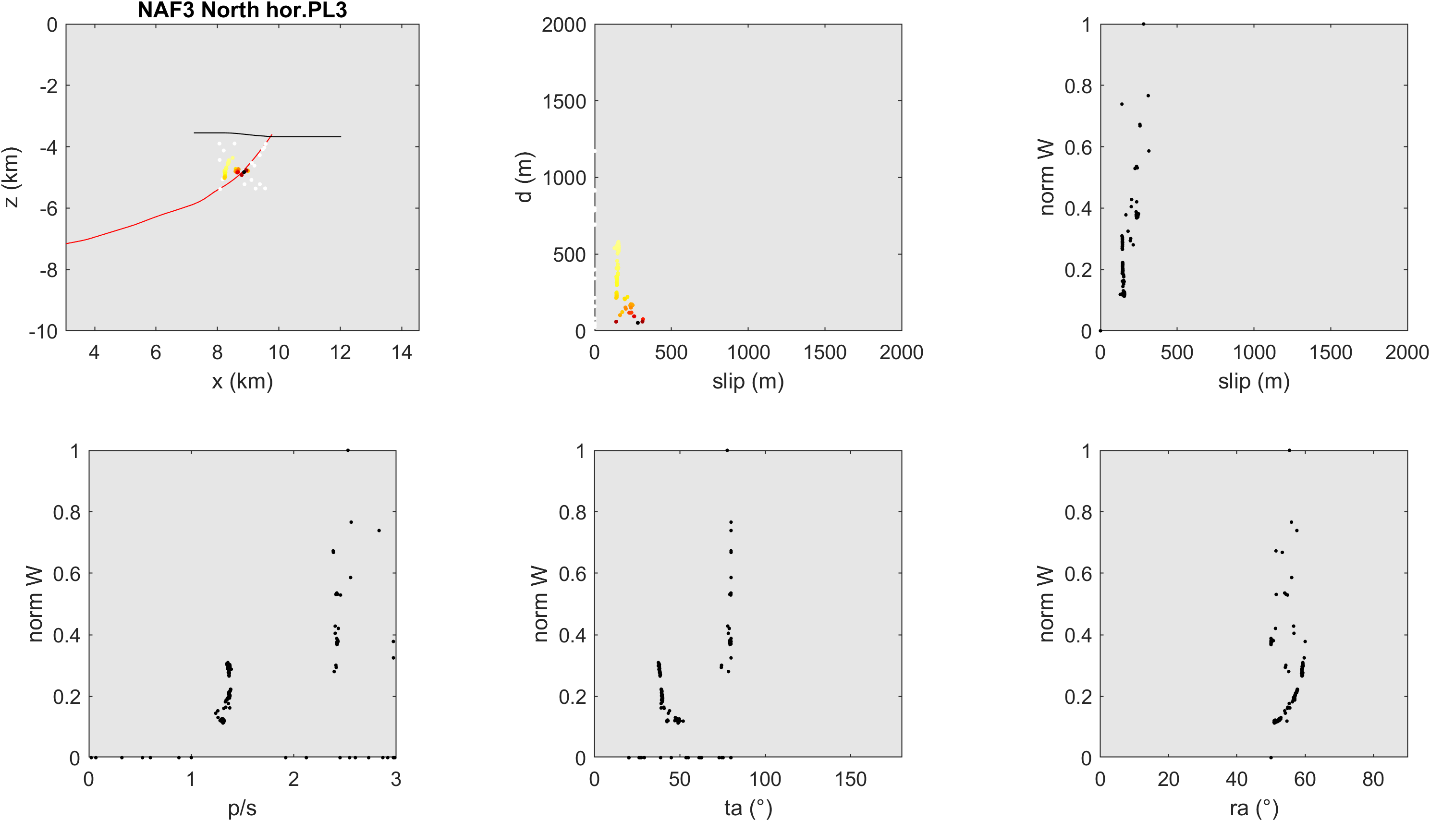
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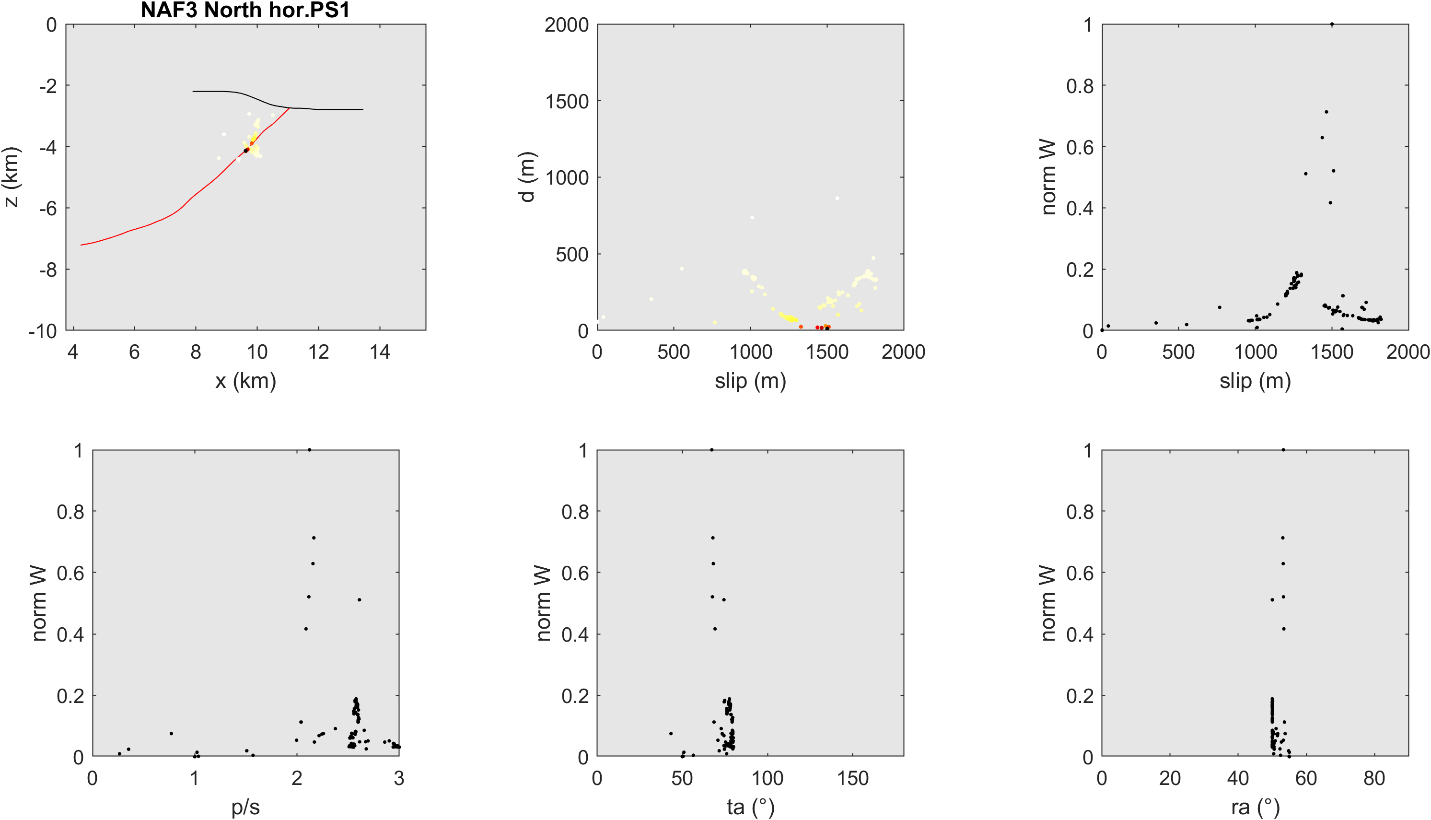
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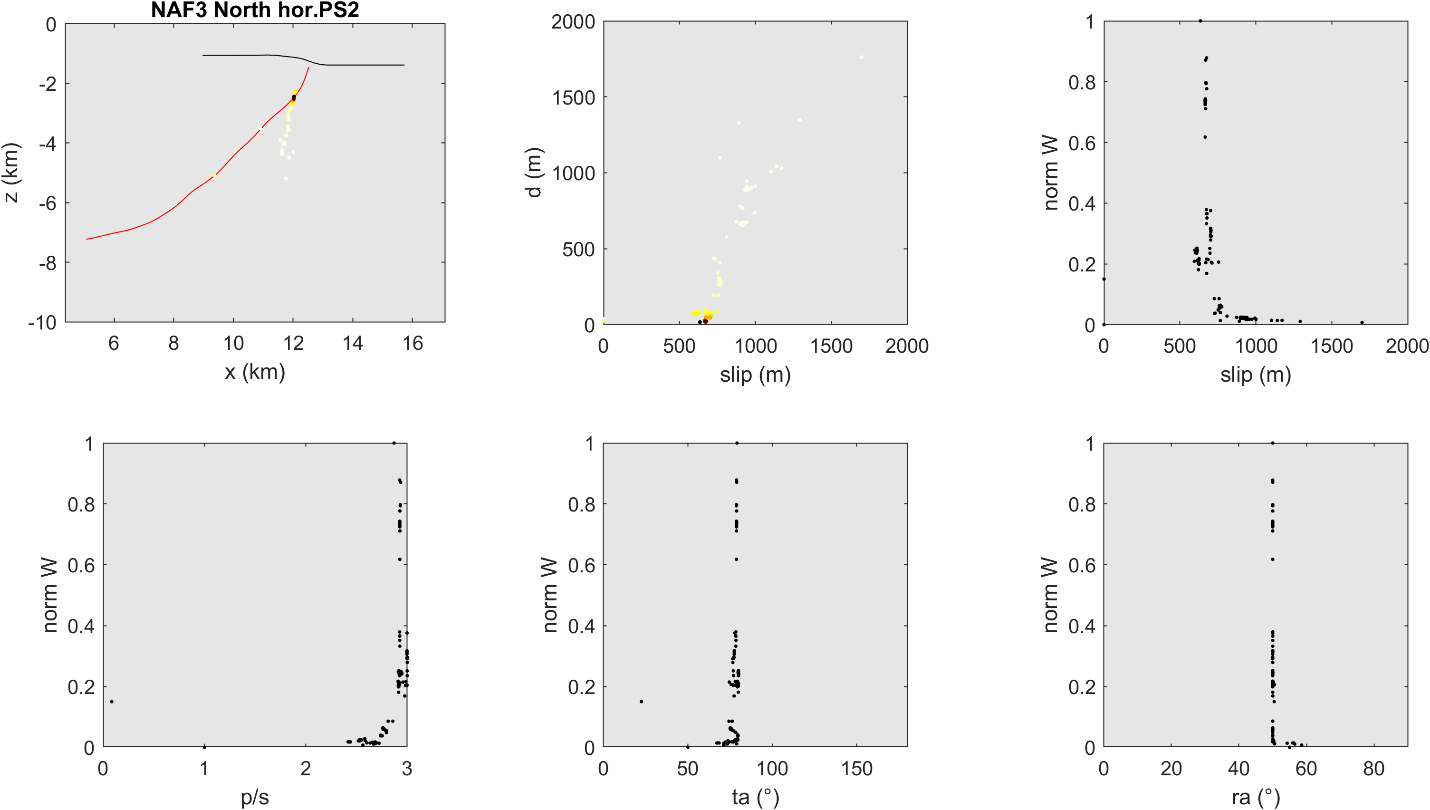
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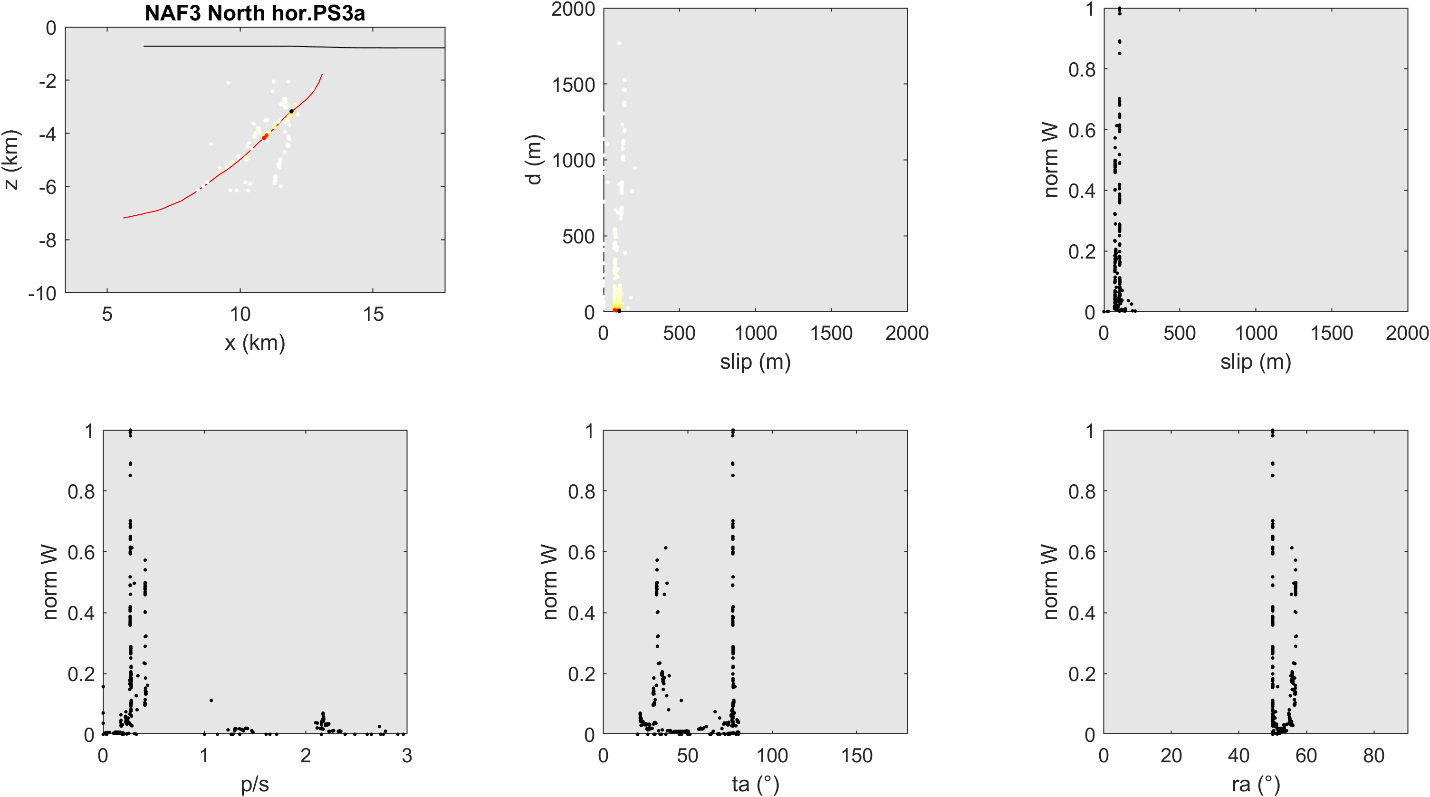
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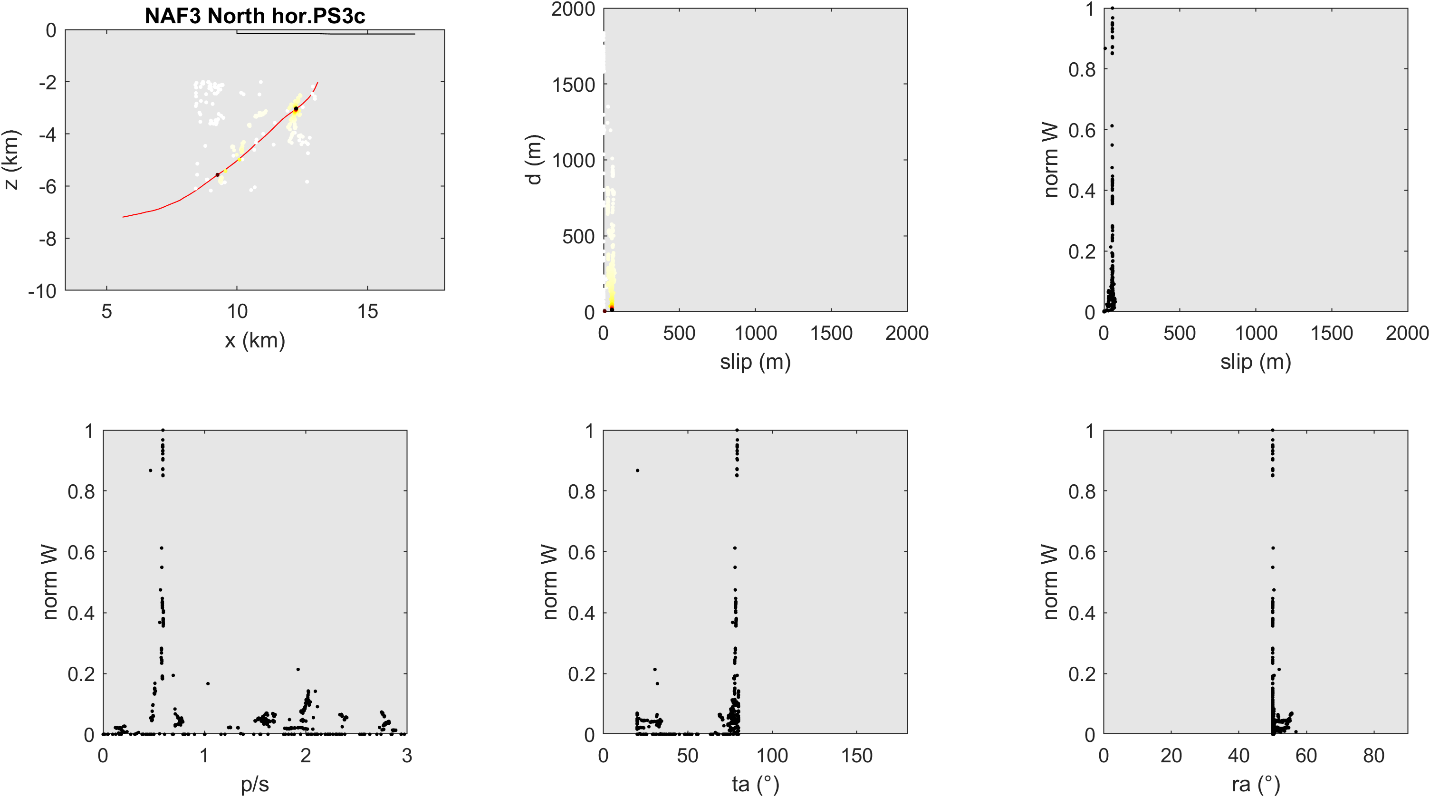
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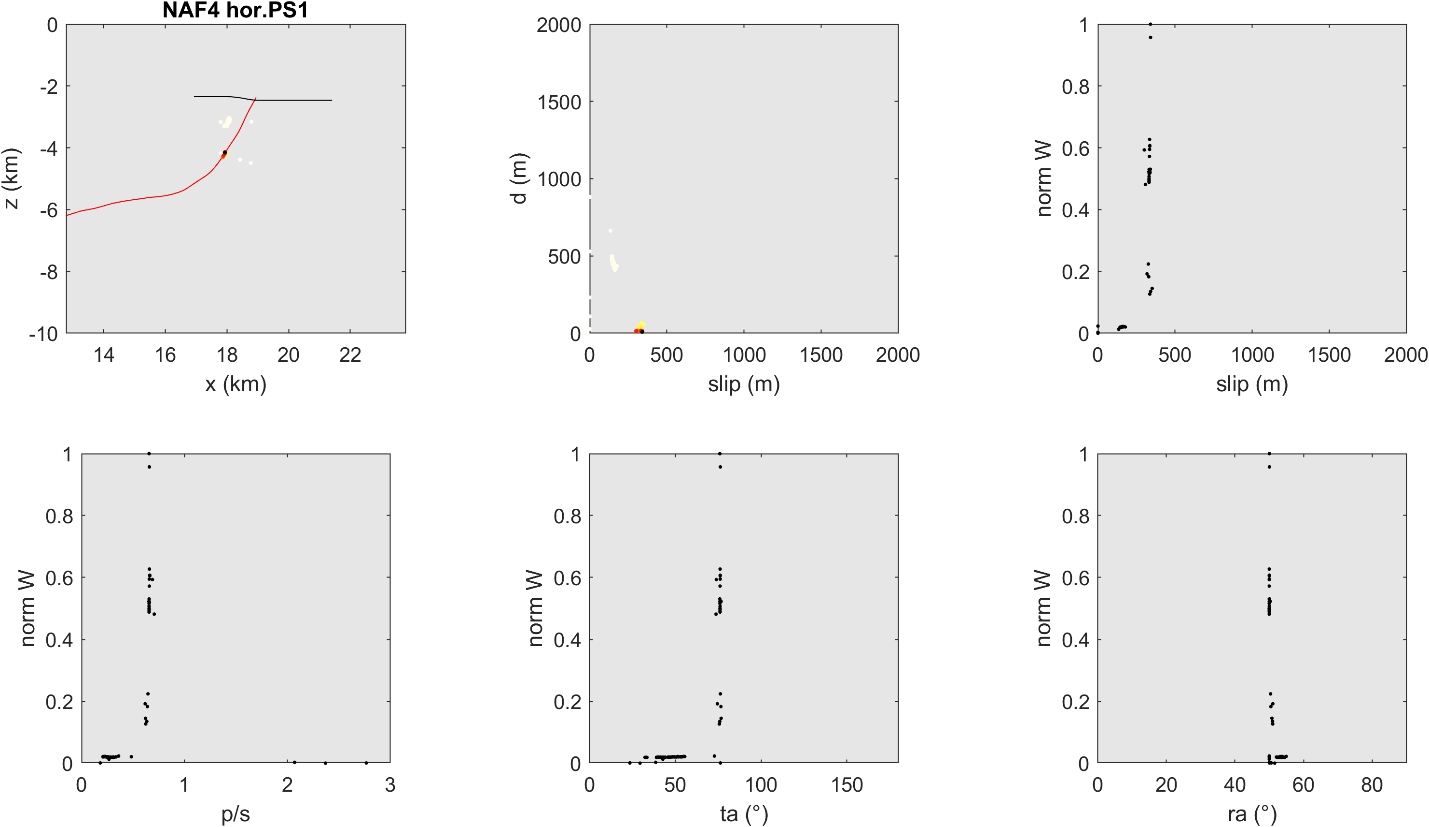
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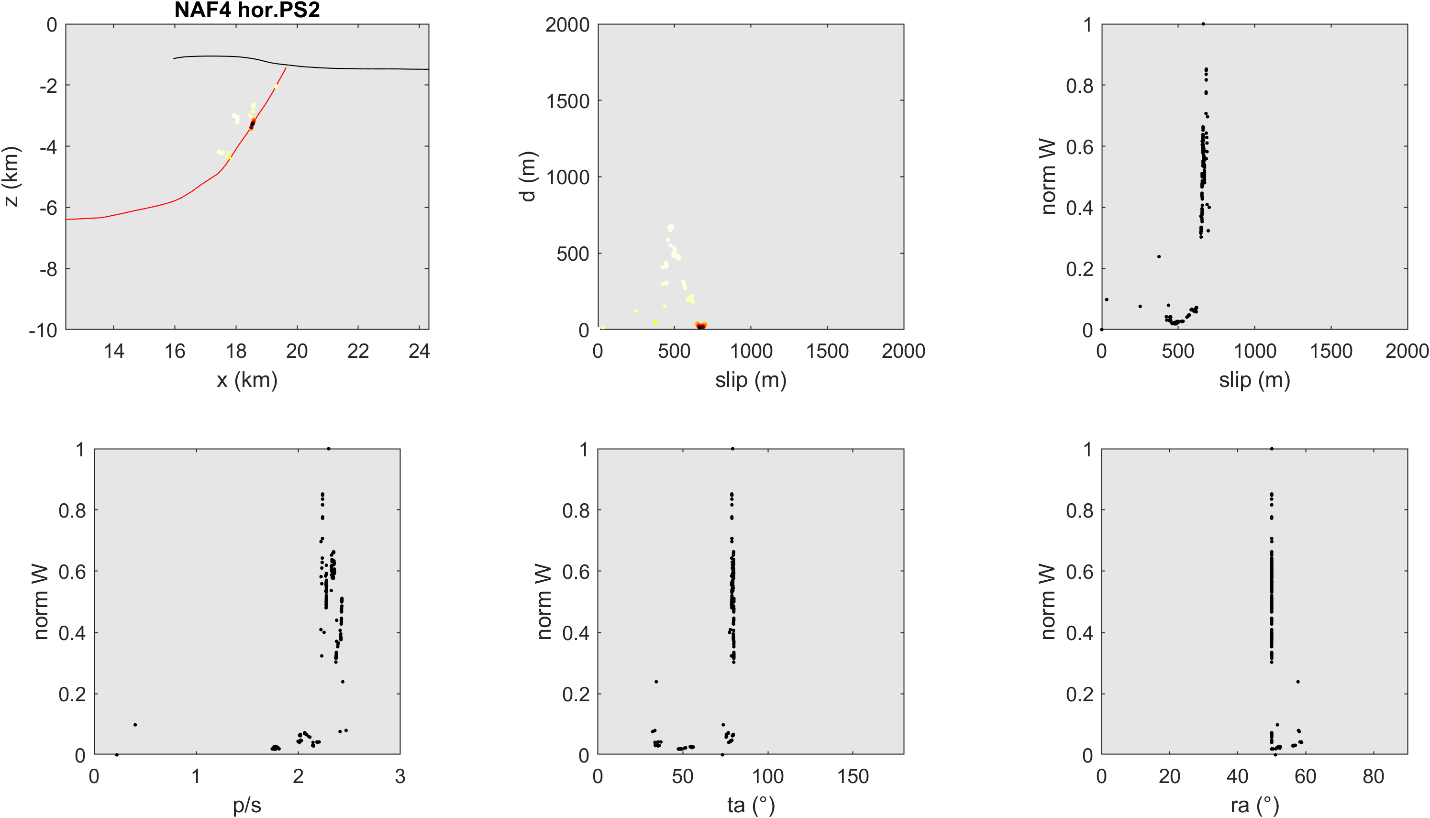
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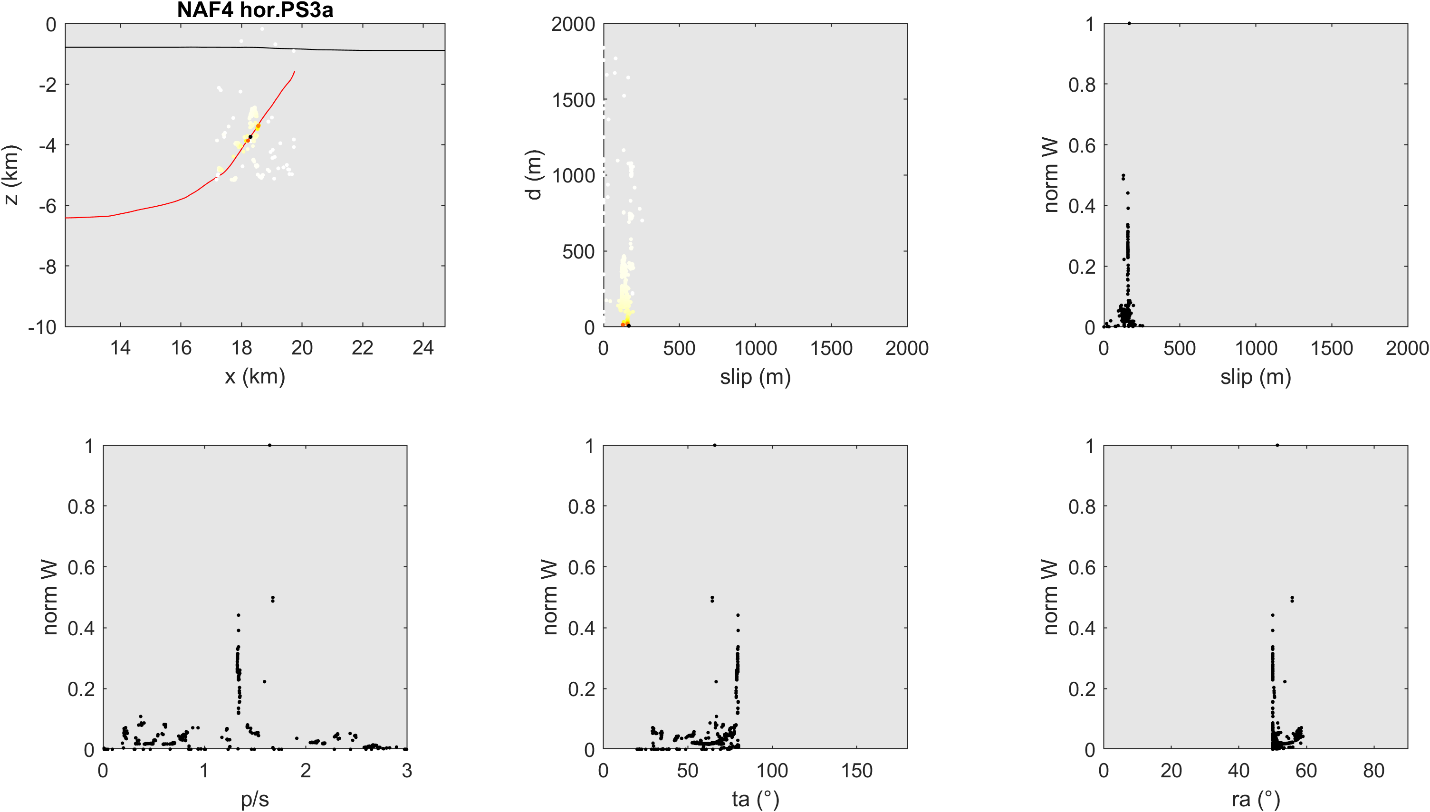
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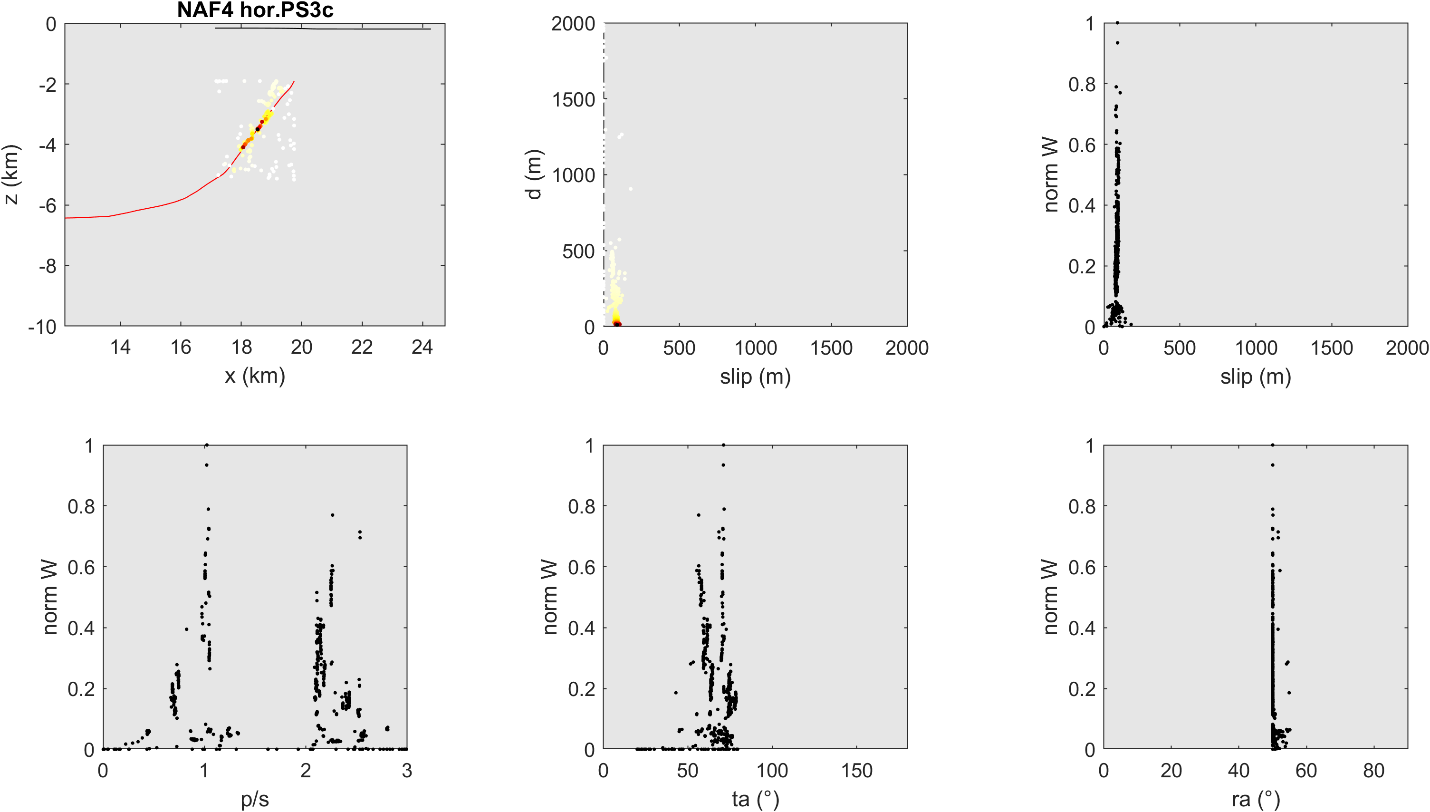
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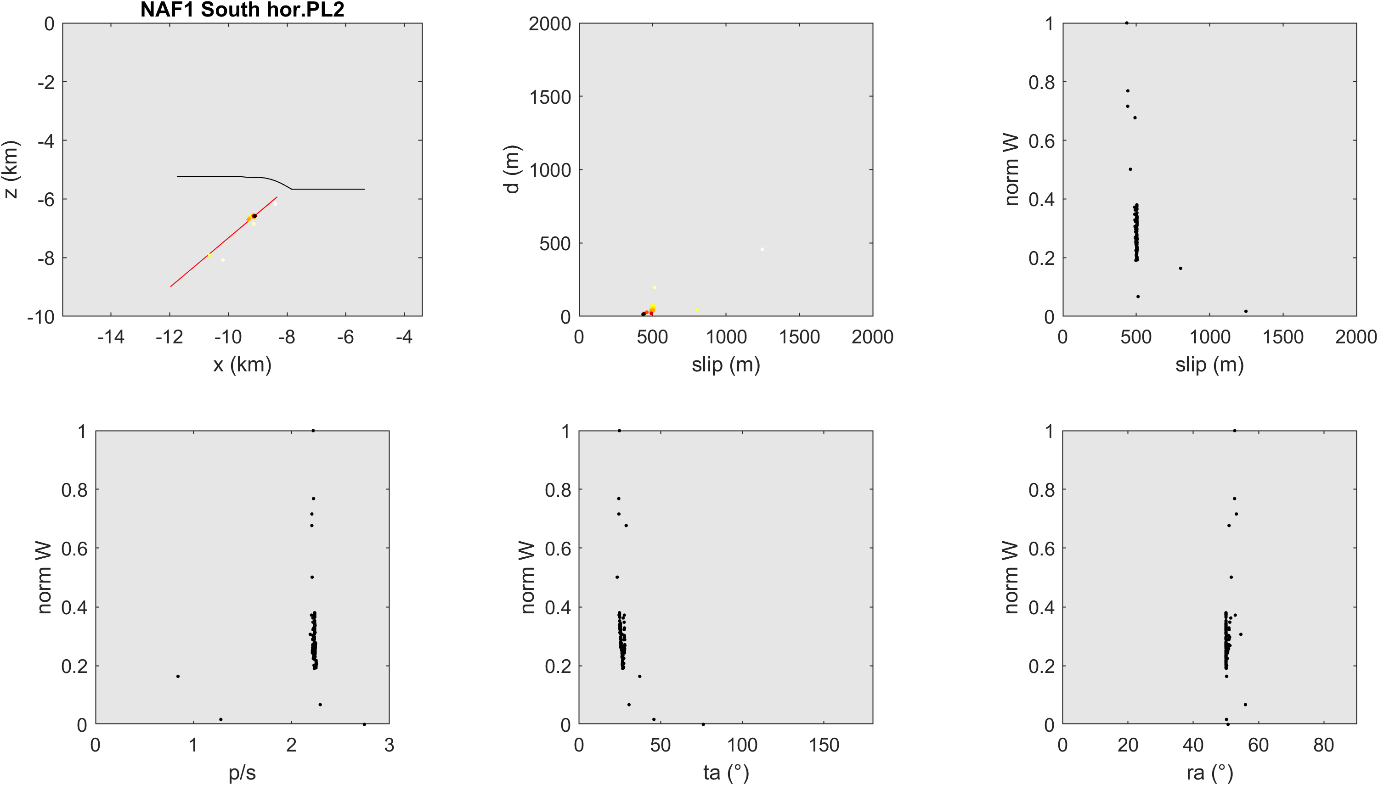
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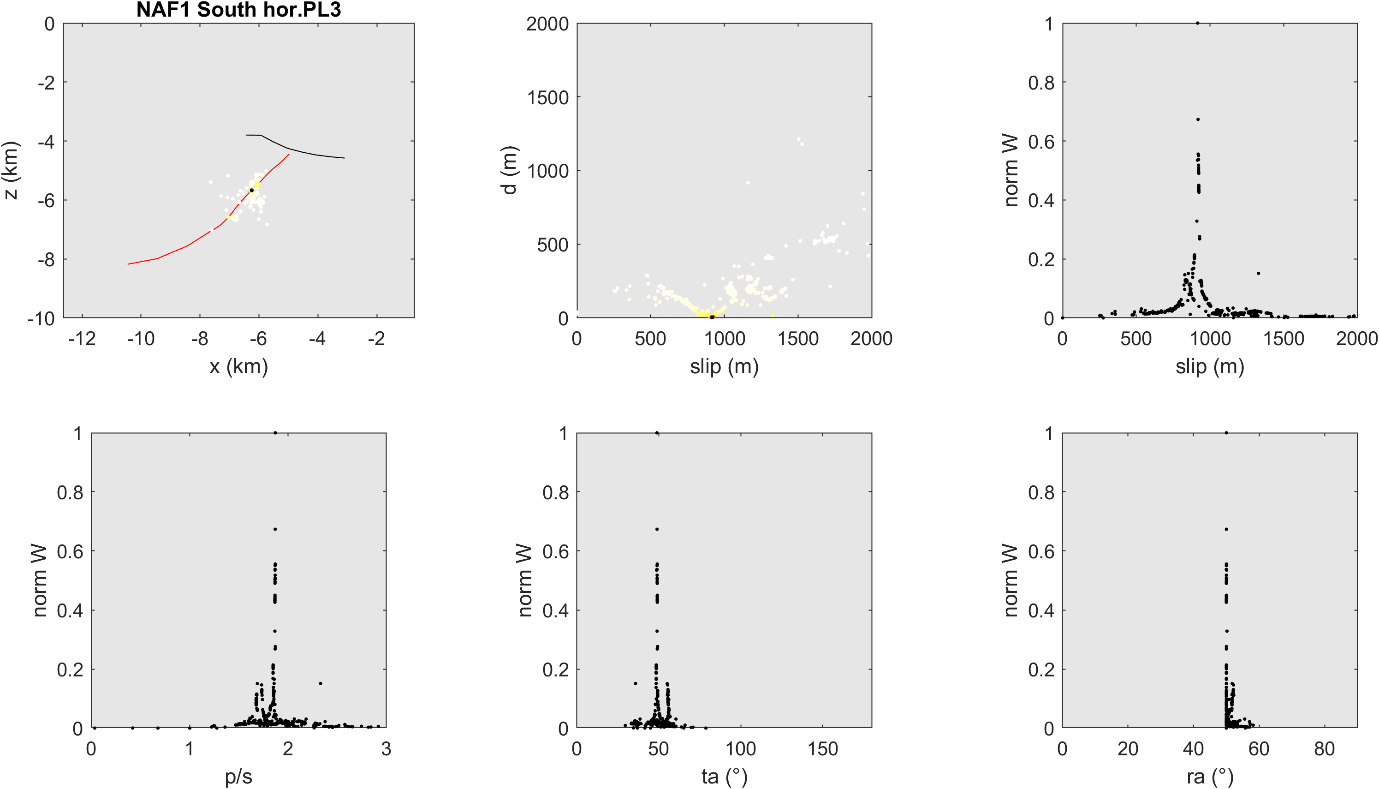
**Supplementary Figure 3.**

(a-o) Plots of trishear inversion for Northern Section. Legend: d (m): distance from fault; norm W: normalized weight *(1-fval)\*(1/d)*; fval is the normalized value of the regression function (Cardozo et al., 2011); p/s: ratio of fault propagation (p) versus slip on fault (s); ta (°): trishear angle; ra (°): ramp dip angle.

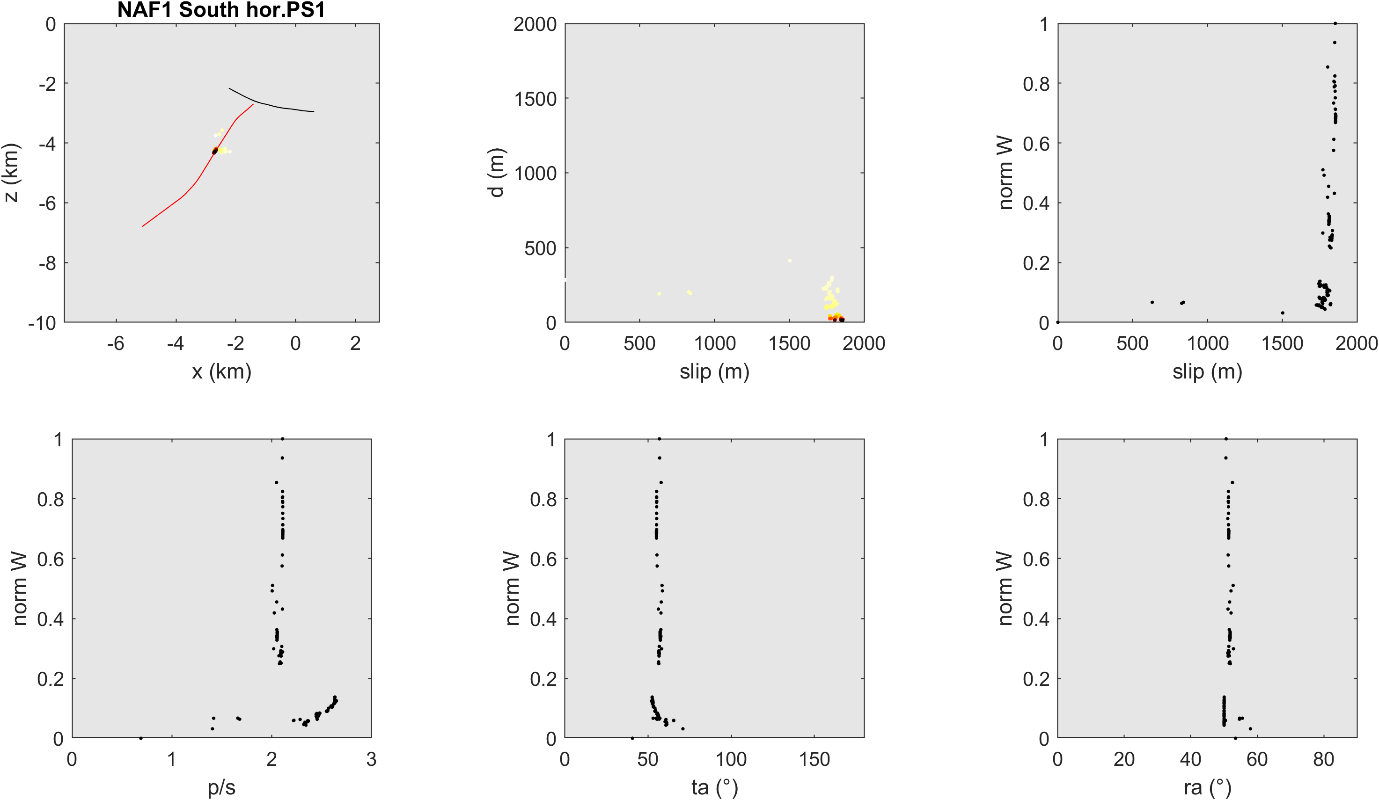
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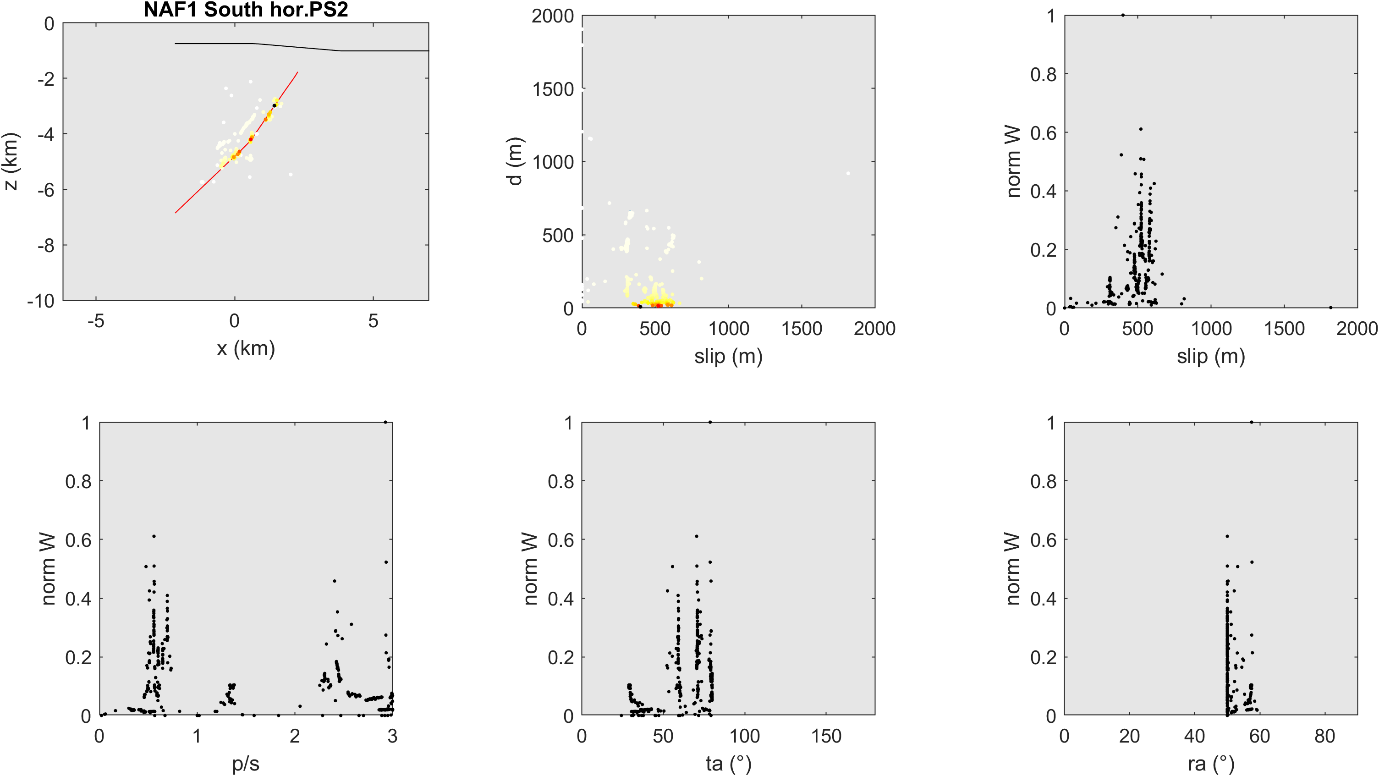
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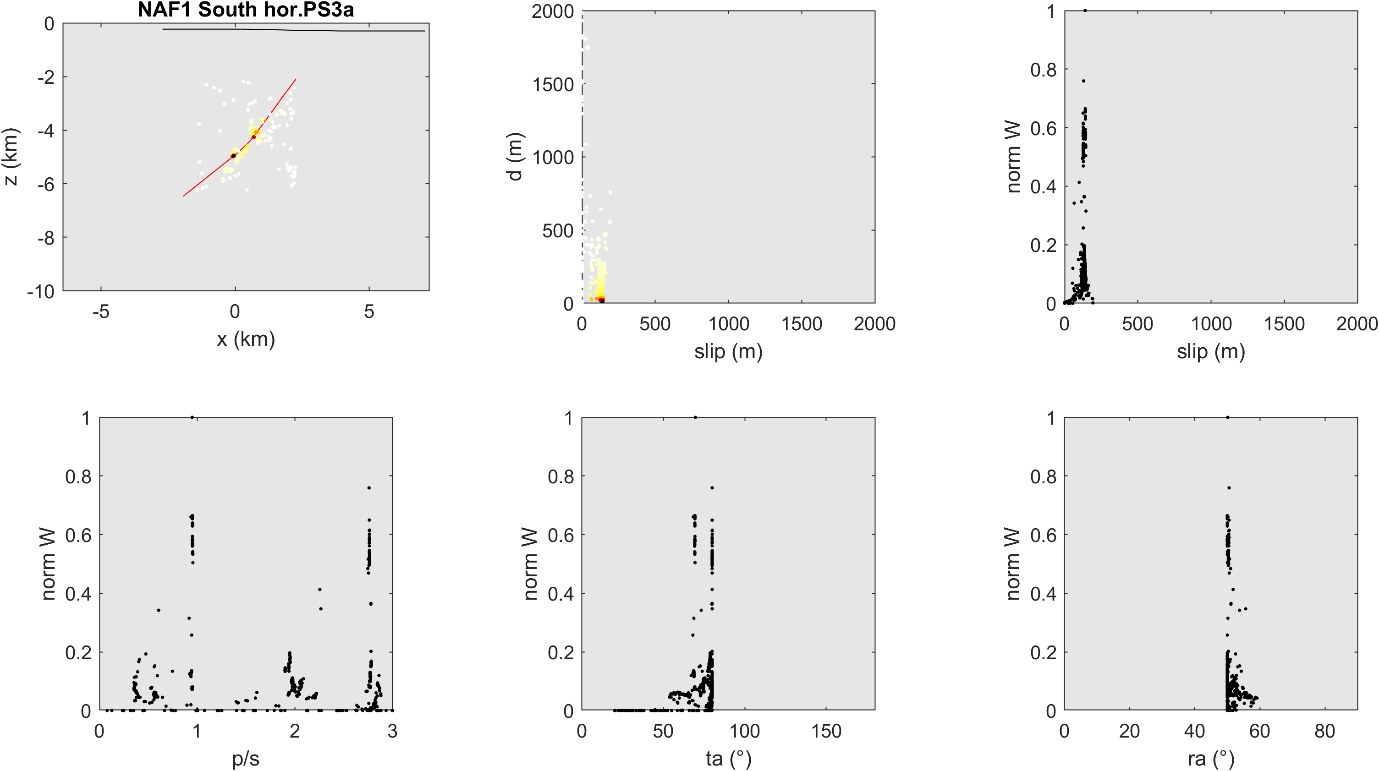
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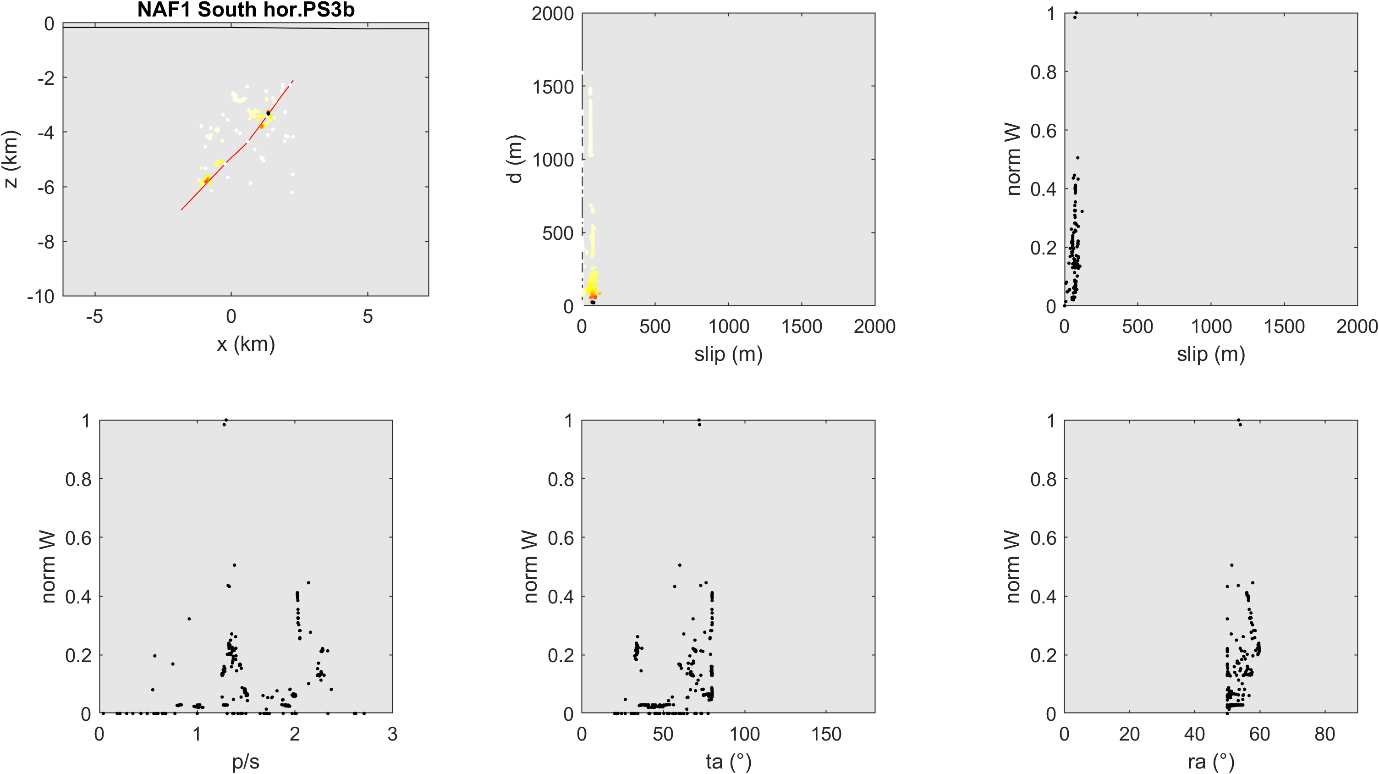
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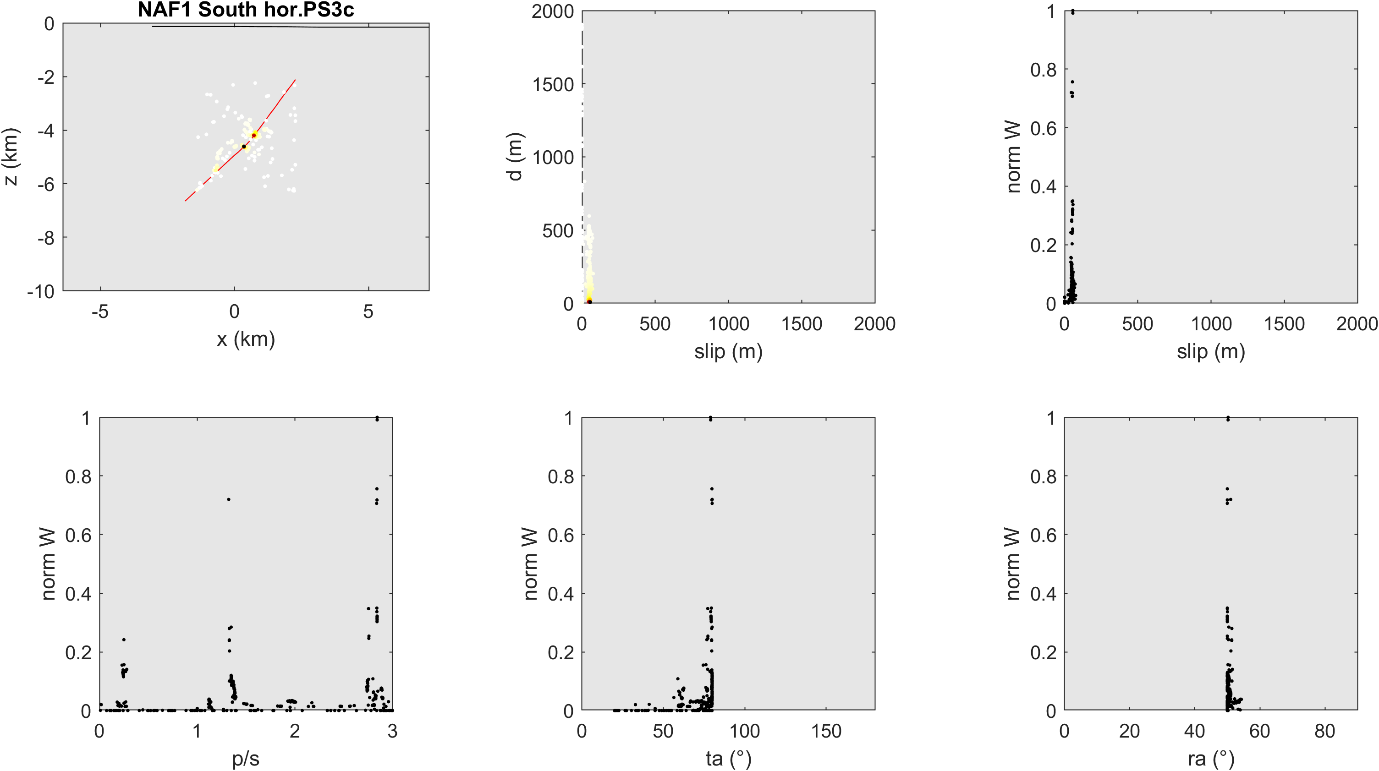
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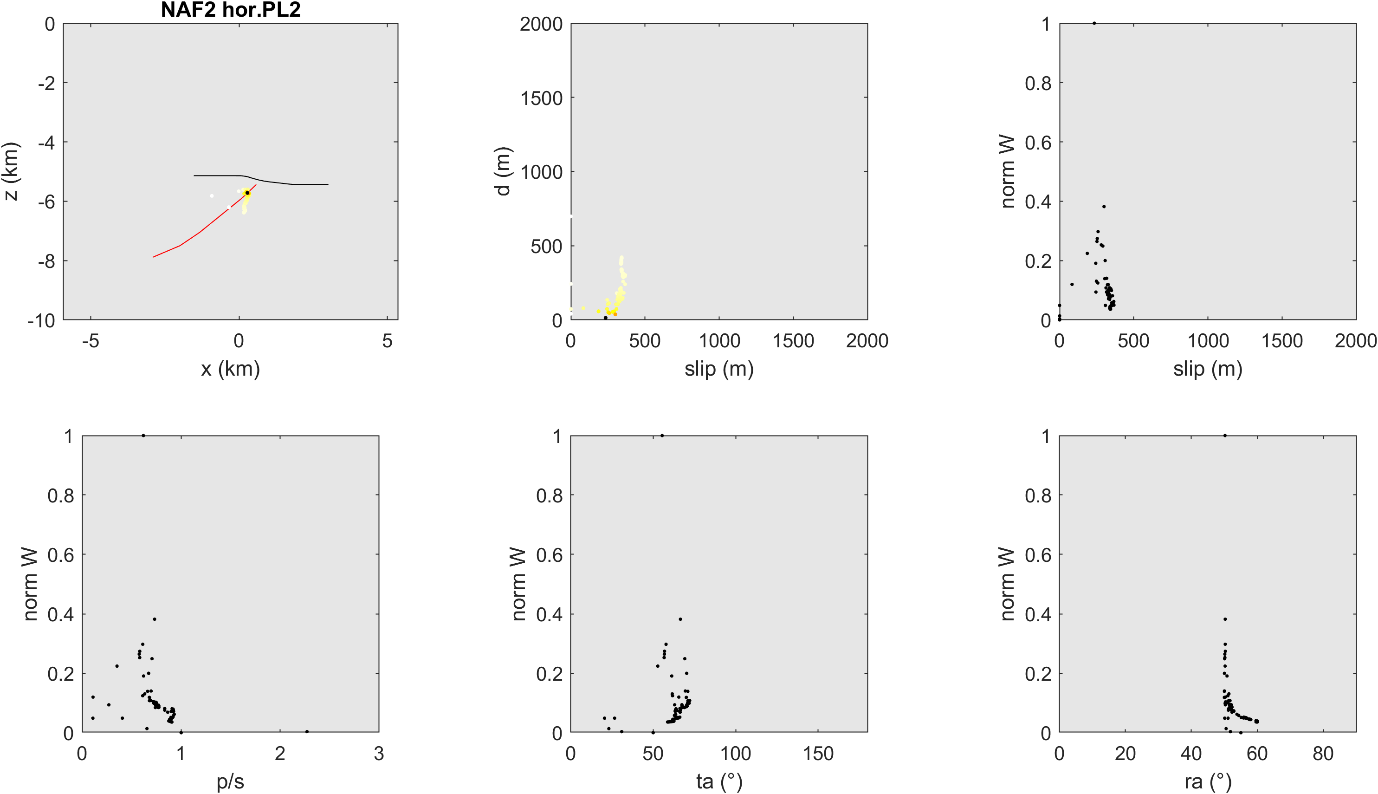
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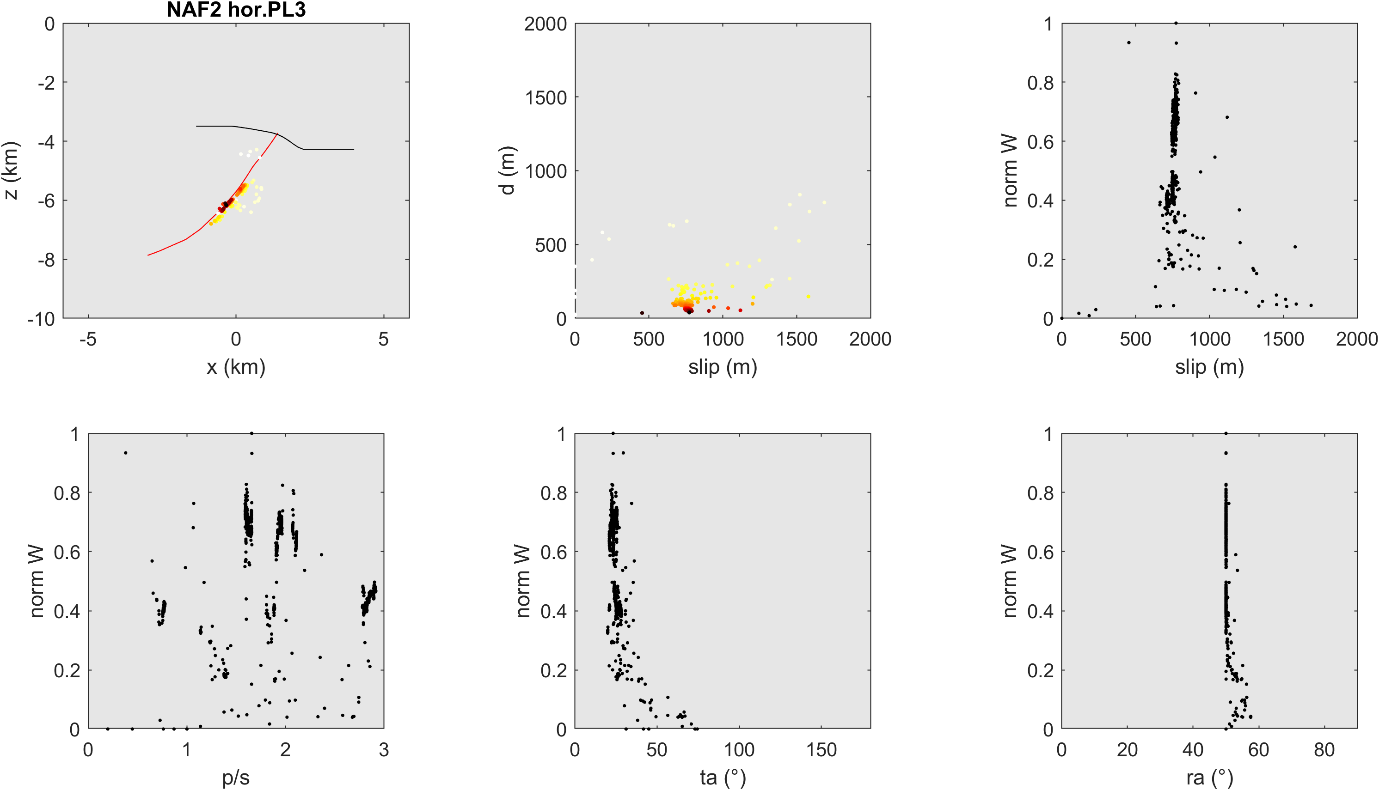
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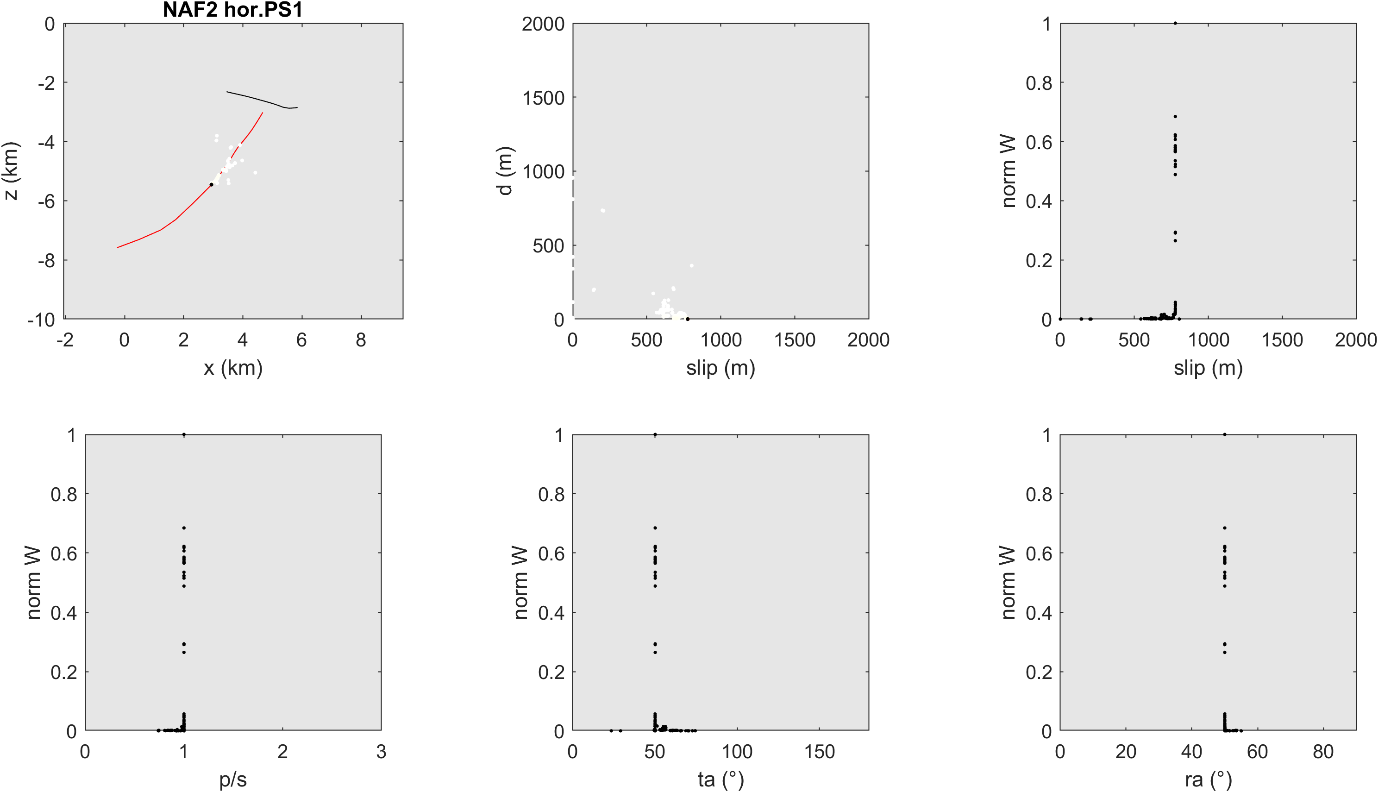
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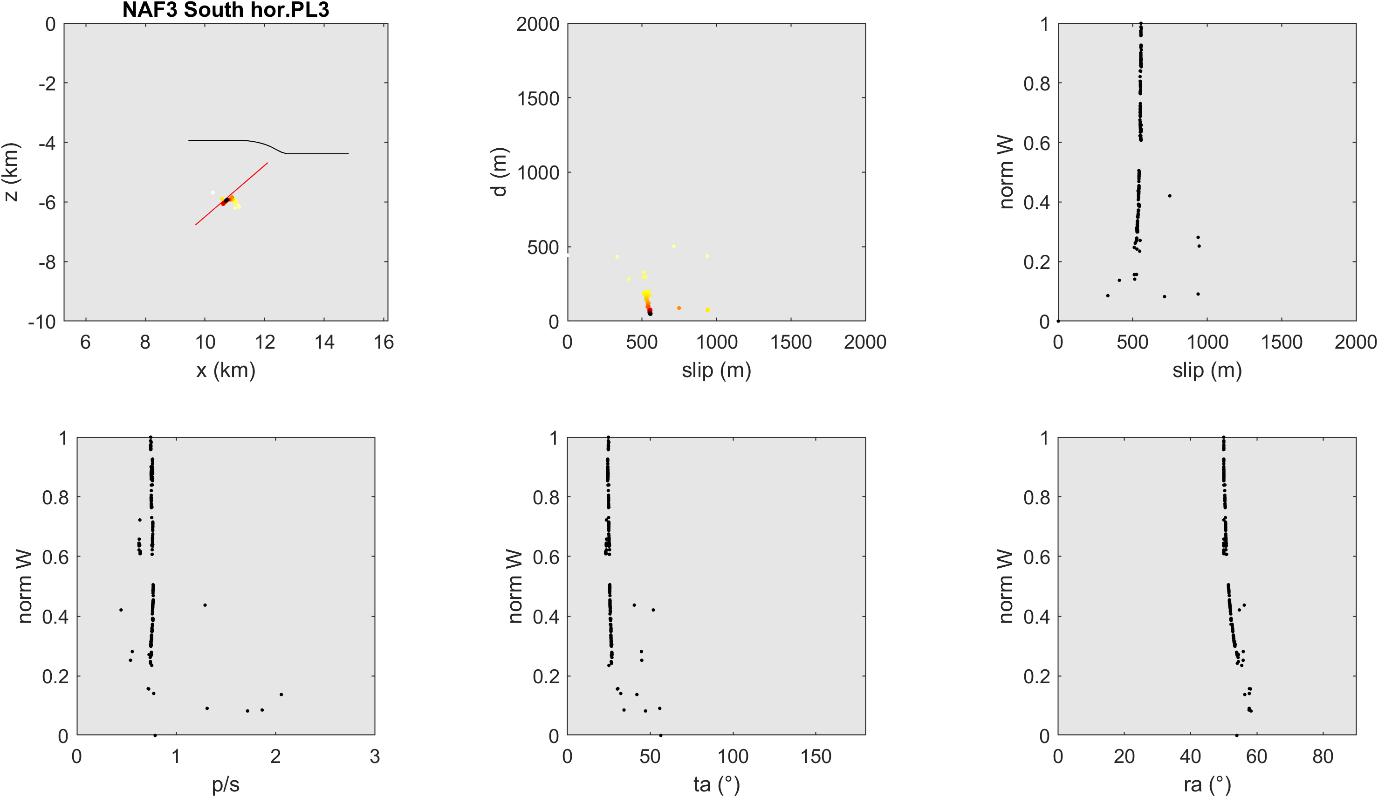
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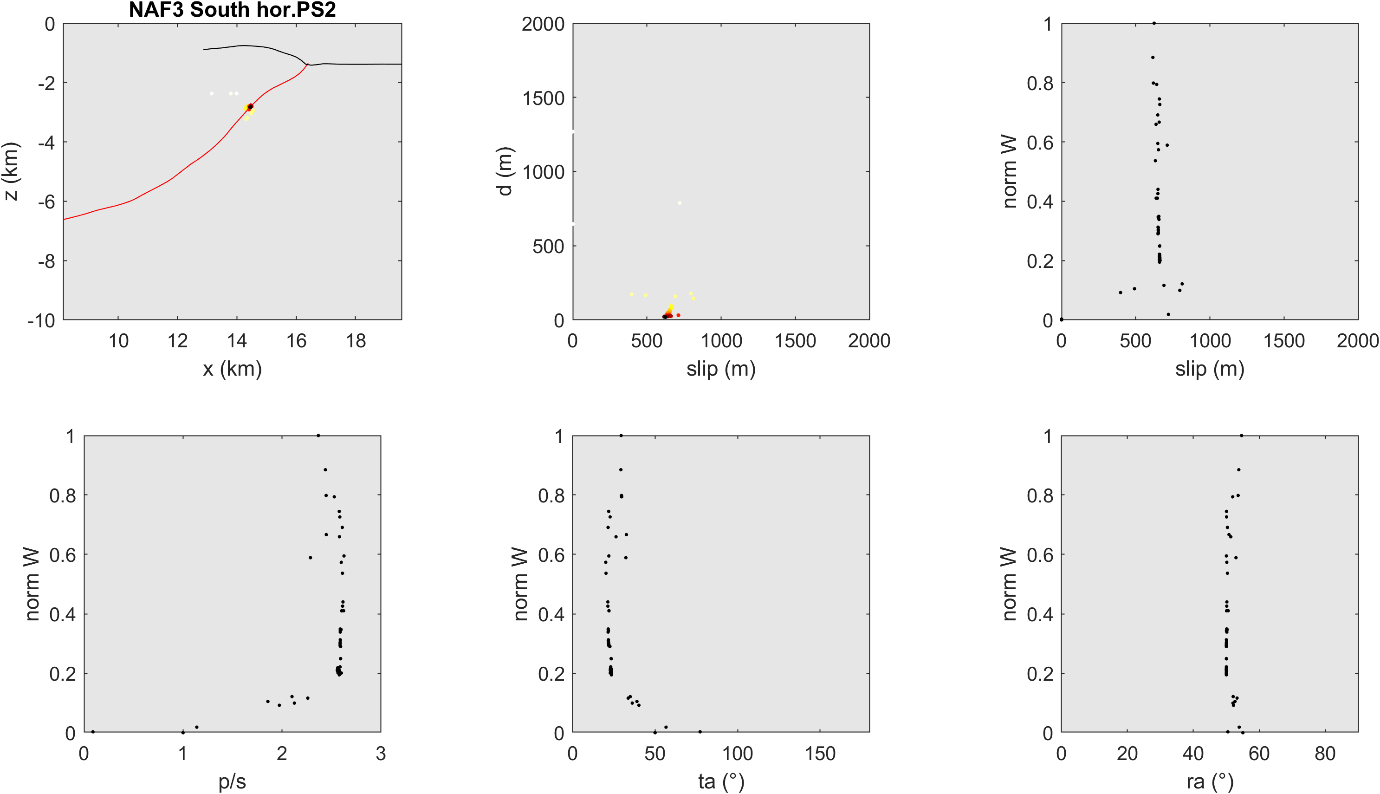
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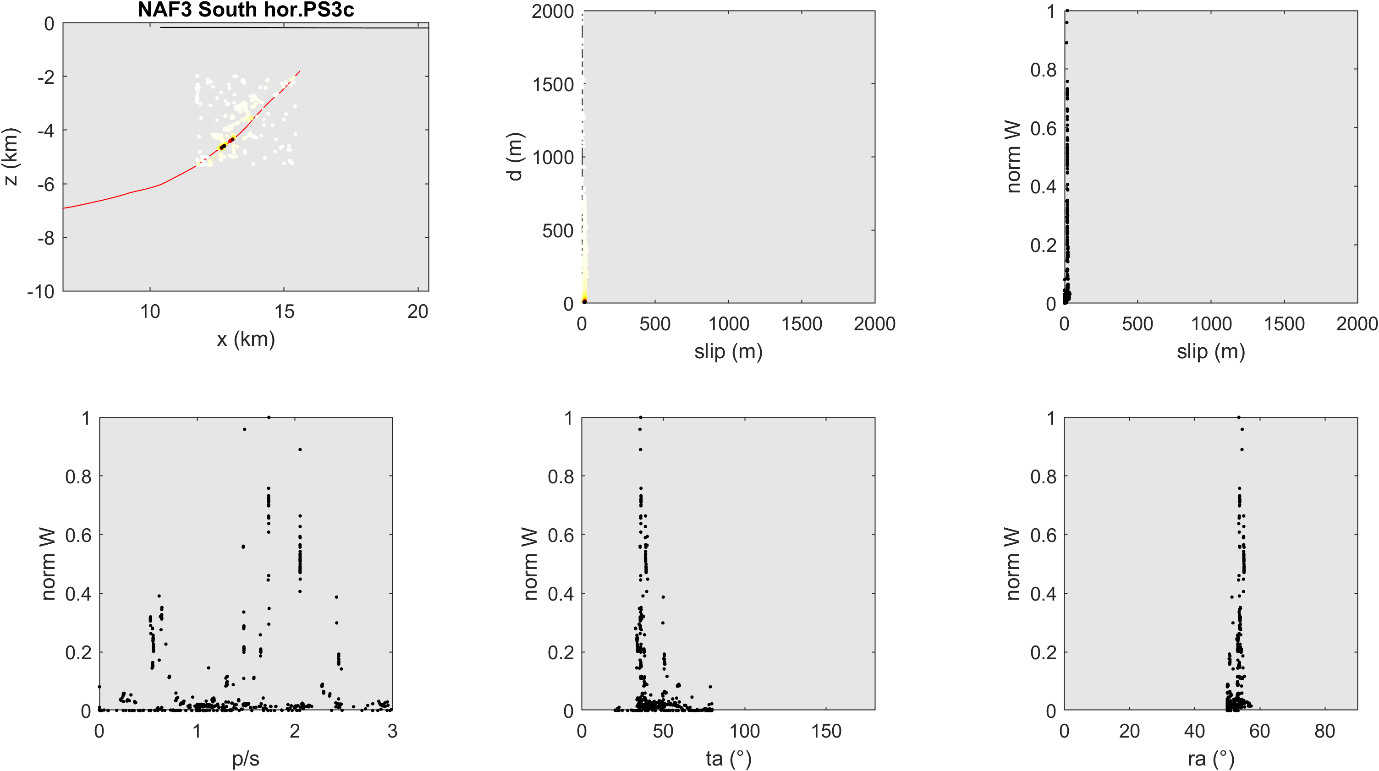
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m



**Supplementary Figure 4.**

(a-m) Plots of trishear inversion for Southern Section. Legend: d (m): distance from fault; norm W: normalized weight *(1-fval)\*(1/d)*; fval is the normalized value of the regression function (Cardozo et al., 2011); p/s: ratio of fault propagation (p) versus slip on fault (s); ta (°): trishear angle; ra (°): ramp dip angle.

**Immagine che contiene mappa

Descrizione generata automaticamente**

**Supplementary Figure 5.**

Seismic reflection profiles (see Figure 1 of the paper for location) adopting the interpretation by Ghielmi et al., 2013. (A) Northern Section; (B) Southern Section.

**References (for Supplementary Material only)**

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