UNIVERSIDADE DE SÃO PAULO

INSTITUTO DE ASTRONOMIA, GEOFÍSICA E CIÊNCIAS ATMOSFÉRICAS

PROGRAMA DE PÓS GRADUAÇÃO EM GEOFÍSICA

Research Title:

Micropaleomagnetism

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ABSTRACT

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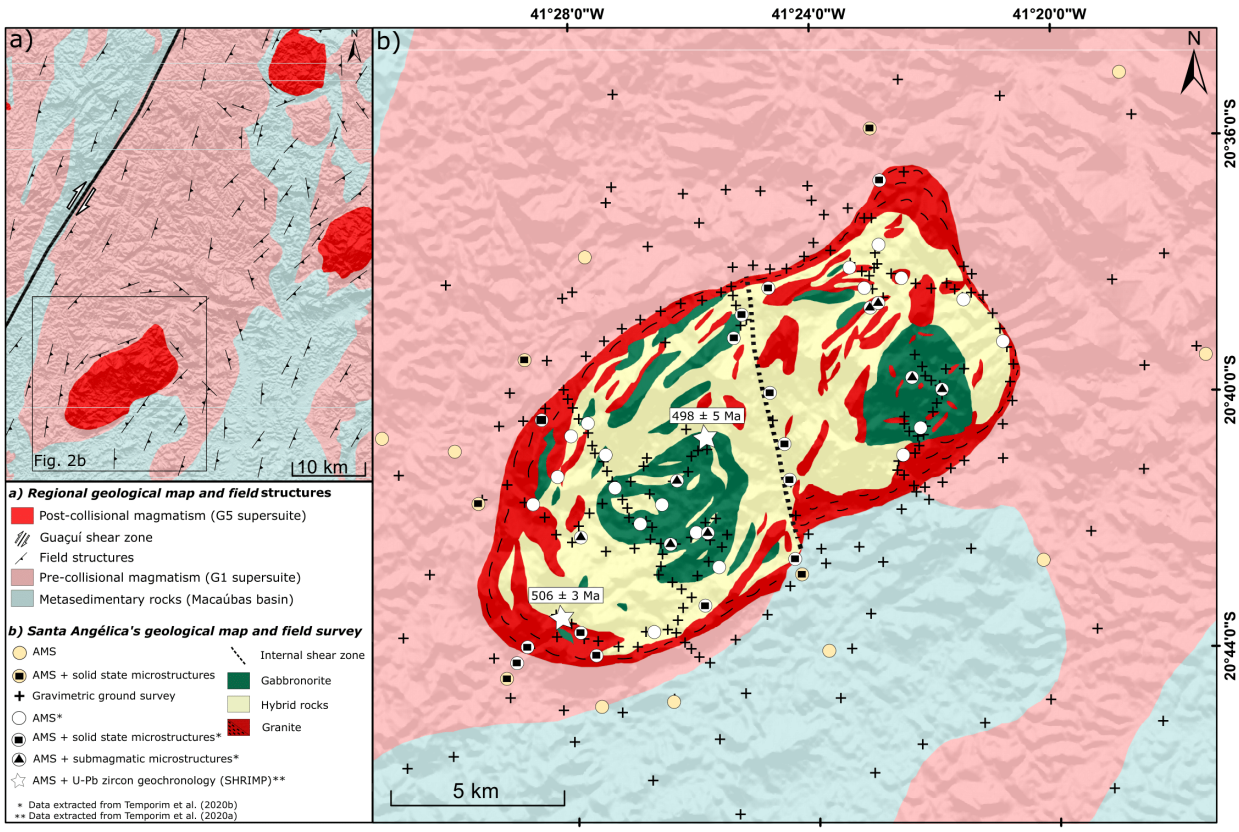

Figure 1

-1 Introduction

-2 Methodology

The dataset for this study is available at SITE, which involves the collection of 227 gravity stations FIGURE. The Gravity measurements were obtained using a Lacoste and Romberg gravimeter (model G, ±0.01 mGal), while orthometric altitude was determined using a Differential Global Positioning System (DGPS) device (± 0.3 m). Data on gravity were collected at varying intervals: (i) detailed: with one station approximately every 0.3 km, forming three profiles intersecting the SAIC FIGURE, two traversing each lobe, and one along the internal shear zone. (ii) regional: in the country rocks, the data coverage was approximately one station per 4 km, aiming to complement the existing regional gravity dataset. This dataset was processed and interpreted in a conventional manner by xxx et al., 2021. However, in this study, we will reprocess it to perform all gravity reductions relative to the ellipsoid, thus obtaining

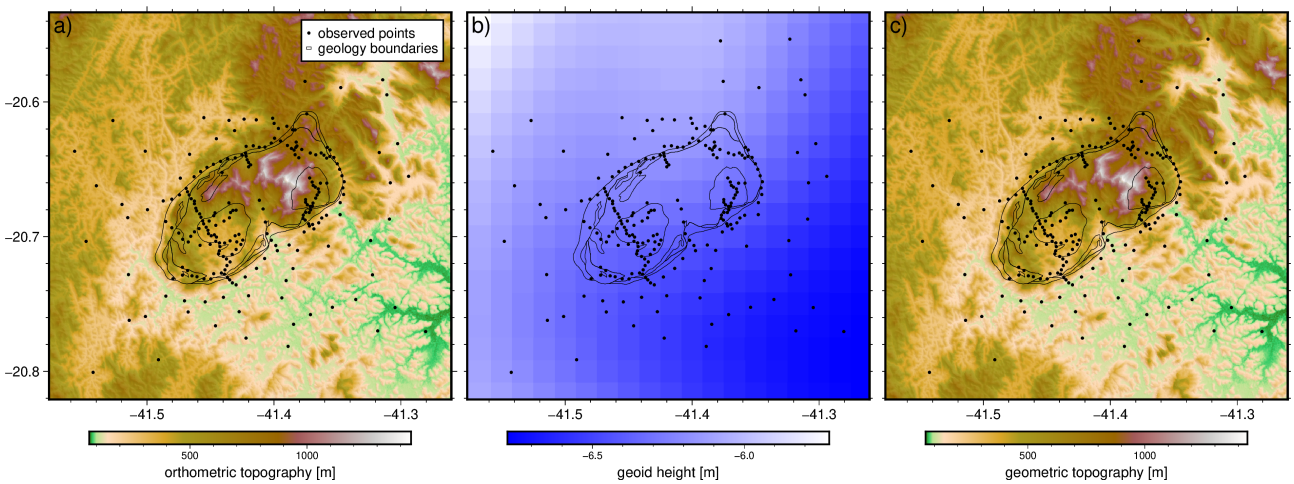

Figure 2

the gravity disturbance.

-3 Application to synthetic data

-4 Discussion

-5 Conclusion

References