

Lineament mapping in Central Cebu using AirSAR data

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Abstract : We conducted a lineament mapping of Central Cebu, Cebu Province, Philippines using year 2000 AirSAR data. The available AirSAR data is multi-frequency (C, L, and P bands) and multi-polarized. Published geologic maps of Cebu show that major lineaments generally trend northeast. Lineaments interpreted from AirSAR data show north-northeast trending and some northwest trending structures in addition to those shown in published geologic maps. These new observations will help to better understand the geodynamics of Cebu Province and update existing geologic maps.