

Commercial Space Weather Activities From a USA small Business Persperture

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This talk offers a brief overview of ASTRA (Atmospheric and Space Technology Research Associates), a small business company based in Louisville, Colorado USA. ASTRA was born out of the vision for applying fundamental space physics knowledge to real-world problems. Its motto is Science + Technology + Applications –Bringing it all together. Founded in 2005, ASTRA has become a system design and technology development company. ASTRA is a leader in the “New Space” small satellite revolution specializing in miniaturized sensors, and data modeling and analytics for the government and commercial customers. ASTRA leverages its scientific and engineering expertise to develop unique solutions in HF radar and radio, GPS systems, satellite remote sensing, CubeSats/Smallsats, and LiDAR. ASTRA's technical background spans fundamental space physics disciplines of the upper atmosphere, data analysis and modeling of the complex coupling of the meso-iono- thermosphere, as well as LEO constellation design, spacecraft design, instrument sensor design and manufacture, and space to earth communications.

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