

Compressive Strength and Elastic Modulus at Agilkia on Comet
67P/Churyumov-Gerasimenko derived from the SESAME/CASSE
Touchdown Signals

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Highlights

- The analysis of the Cometary Acoustic Surface Sounding Experiment (CASSE) data yielded primarily values of surface compression strength.
- Furthermore, it allowed an estimate of the elastic modulus at the landing site Agilkia.
- These data are interpreted with fracture mechanical concepts from material science taking into account the high porosity of Comet 67P.

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