

## **ORBIT SYNCHRONIZATION ENABLING TWO-POINT IN-SITU MEASUREMENTS FROM SOLAR PROBE+ AND SOLAR ORBITER**

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The ESA Solar Orbiter and NASA Solar Probe+ missions afford a unique opportunity identify mutually advantageous observational synergies. The currently available best trajectories for Solar Orbiter and Solar Probe+ are superimposed to identify scientifically interesting two-point observations. In particular, radial and field line alignments are identified and the relative positions of the two spacecraft when SP+ executes its rapid, near radial, coronal descent called out. Moreover, time periods when Solar Orbiter remote sensing instruments will have SP+ in their fields of view are identified. Also, the intervals when Solar Orbiter will provide substantially increased photospheric white light and coronal EUV observations from the back side of the Sun are computed. Finally, the flexibilities in these orbital parameters are discussed.

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