



The Huygens Surface Science Package (SSP)

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The Huygens Surface Science Package (SSP), one of the six instruments selected by ESA, was the only one whose prime purpose was to study the surface of Titan in-situ. Designed at a time when even the basic nature of the surface (i.e. solid ice or liquid hydrocarbons) was unknown, it consisted of 9 separate compact and relatively simple sensors designed to span all likely surface scenarios. The Huygens landing on a “dry lake bed” allowed some of the sensors to be fully exercised. The results and their subsequent interpretations will be presented as well as perspectives from nearly 25 years since the original instrument selection.