Giant mirror in space

THE SPACE OBSERVATORY HERSCHEL: HROWING LIGHT ON WORLDS BURIED DEEP IN THE UNIVERSE

rgest space mirror (3.5 meters in diameter) is going to study the evolution of galaxies May 2009 by an Ariane-5 rocket from the Kourou base in French Guyana.

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The Herschel satellite is 25 m in height on a 4x4 m base and weight 3.3 tons. Three instruments placed on the focal place of the large mirror will observ the focal place of the large mirror will observ are camera to map the infra-red emission of dust are camera to map the infra-red emission of dust of the 1, a dedicated high-resolution spectrometer to suddig the Universe's chemistry, and SPRF, which fulfils the same functions as PACS but at longer wavelengths, in submillimetric infra-red. Un forevent being blinded by the infra-red rays emitted by the Sun and by the heat of its own components, usually the yan immense sunshade and are cooled to -270 degrees, just 3 degrees above absolute zero.



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