

SYMPOSIUM ON TECHNOLOGICAL REQUIREMENTS FOR FUTURE SPACE ASTRONOMY AND  
SOLAR-SYSTEM SCIENCE MISSIONS (A7)  
Technology Needs for Future Missions, Platforms (3)

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VISIBLE AND INFRARED HYPERSPECTRAL IMAGING IN THE SOLAR SYSTEM

**Abstract**

The visible and infrared imaging spectrometers are very powerful instruments to study the solar system bodies aboard the space probes. They have the important capability to be suitable for a very wide interdisciplinary science. Nowadays we have gathered a solid experience on their scientific effectiveness based on the breakthrough results coming from the various past and present space missions. This solid background makes the VIS-IR imaging spectrometers a reference point for a core payload suite of most of the future space mission explorers in our solar system. We will make a point on their achievement and development.