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Luna-25 lander: science of the first lunar day

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Luna-25 lander is a Roscosmos mission to investigate the southern lunar pole to launch in 2018. The mission aims at testing the landing capability of the spacecraft as well as conducting a number of science experiments. The instrument suite consists of 10 scientific experiments to study both, the landing site and the moon as a whole. These include measurements of soil composition and volatiles in the vicinity of the lander, environmental conditions such as temperature variations, plasma and dust exosphere of Moon, measurements of Moon inner structure through seismic, radio and laser ranging sensors. Luna-25 will also provide a number of images of the lander surroundings and samples collected in its robotic arm.
We present the details of the investigations program for the first lunar day for the entire instruments suite.