Hardware Upgrades since 2016

• Remote controlled filter selection. (3 interference + 2 Neutral)
• New longer telescope power and data cable.
• Sky clarity sensor Aurora Cloud Sensor III + rain/snow alarm.
• A new calibrated backup meteorological station Vaisala PTU300
• A Raspberrry Pi based temperature monitoring system at the SLR laser and electronic rooms. (poster B15)
• New 3 local network reference points built and installed.

In development

• Computer controlled divergence unit.
• An upgraded detector enclosure for optical, thermal and EM protection of the receiver chain.
• Selection and procurement of a high sensitivity CCD to replace the old image intensifier and TV camera assembly in the visual tracking channel.
• Improved signal processing electronics.

Notable Points of 2017-2018

• First observation of a SNET satellite (SNET-4 2018-04-12 21:57 UTC).
• Strong participation on the spinning satellites debris program (Adeos-2, OICETS, Topex).
• Permanent monitoring of the hourly clarity values (simultaneous clarity with Metsähovi, Finland and independently for both SLR stations).
• Experimental campaign for simultaneous observation of Galileo and Gionass Satellites with the Ventspils International Radio Astronomy Centre (VIRAC) in Irbene, Latvia.
• Hosted the October 2017 ILRS Technical Workshop “Improving ILRS Performance to Meet Future GGOS Requirements”.

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