

MLRO Upgrade

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The more than 20 years old MLRO station has been recently upgraded with most recent technologies.

The upgrade had several steps and the most challenging was the initial one; this was about replacing the old computer platform based on real-time HP computer with a modern Linux based server using the native capability of Linux in performing near real-time operation. To use the new computer platform, the software has been ported and some interface had to be replaced. The system went under very intensive test to demonstrate that data were not degraded because of the SW/HW porting and successfully passed the ILRS data quarantine procedure.

After this first step, while development was continuing for adding more capabilities to the ported code, other subsystems have been upgraded and integrated such as event Timer, laser source, SPAD receiving chain and T/R optics axis controller. The new MLRO HW configuration will be soon in operation.