

New and Upgraded Stations, Extended Facilities

Summary

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Upgrading stations

Chinese network: modernization all stations, new technology, 6 stations
kHz systems, 10 ps, Event Timers – Riga, Daylight tracking, CSPAD
GPS and VLBI network, Gravimeters, more core GPS
Changchun: new laser 150 mJ, 250 ps, 20 Hz, new Coude mirrors
TROS-1 (mobile): modernization

Herstmonceux:

new 2kHz laser (Oct. 2006), Event Timer, Linux upgrade.
Absolute gravimeter, 3 GPS

Borowiec:

new Hamamatsu PMT-MCP (30% QE), new optical parts, Coude mirrors

FTLRS :

upgrade, 2 Dessault Event Timers for project T2L2
campaigns – Tasmania 2007/2008, Jason calibration

Ukraine:

upgrading Kiev, Simeiz, Katzively (laser, CCD, PMT, software)

TIGO (Chile):

telescope and laser modernization

New stations

China:

San Juan (Argentina) - operational from 2006, good results
upgrading to kHz, Event Timer Daylight tracking, sub-cm accuracy
Urumchi fixed (2010) in Nanachan (VLBI, GPS) – kHz laser, Event Timer, CSPAD,
Daylight operation, sub-cm
TROS-2 mobile (2011)

Korea:

Accurate Ranging System for Geodetic Observation (ARGO)

ARGO-M mobile (2013) - 40 cm, 1 mJ, 10 ps, CSPAD
ARGO-F fixed (2013) - 100 cm, 20mJ, 100 ps, CSPAD, 25000 km
Control and Support Systems

GPS network, 3 VLBI 21m, IGS Global Center

MeO:

new French station, from 400 km to the Moon, one-way interplanetary
telescope 154 cm, Alt-Az, precision 0.01 arcsec,
operational from November 2008