



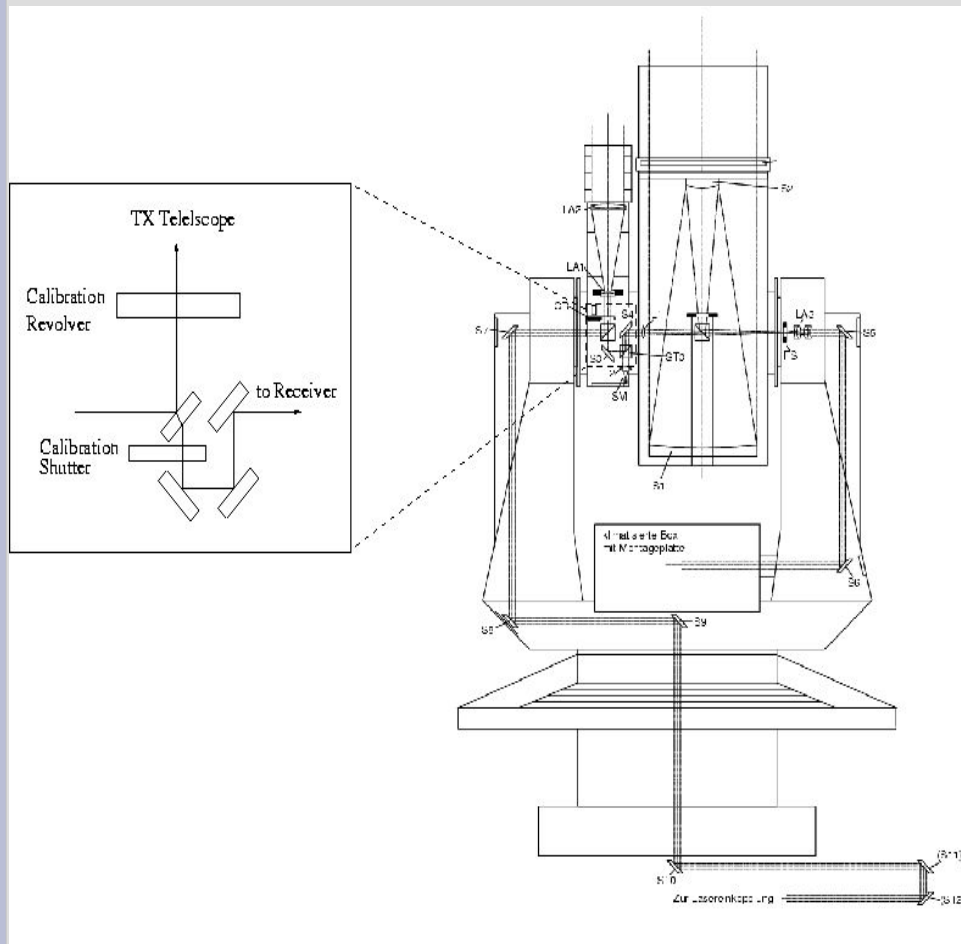
The SOS-W Calibration Scheme



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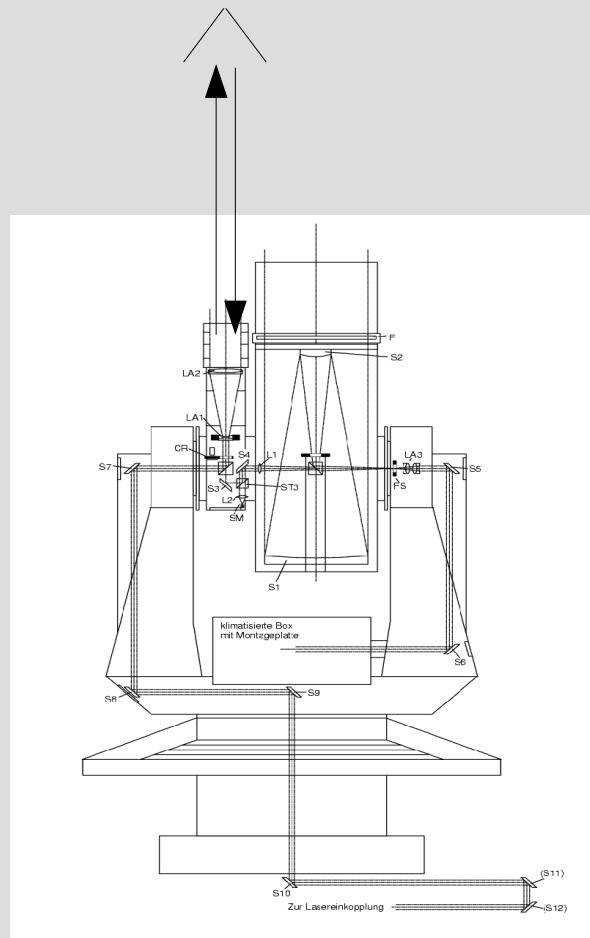
Internal Calibration



- Monitor electronic delay
- Calibration for arbitrary pointing direction
- Fast switching between Satellite and Calibration Mode (Interleaved Calibration)
- Verification of TX and RX optical axis alignment by Star Calibration
- Verification of laser beam pointing
- Verification of Laser Divergence

External Calibration

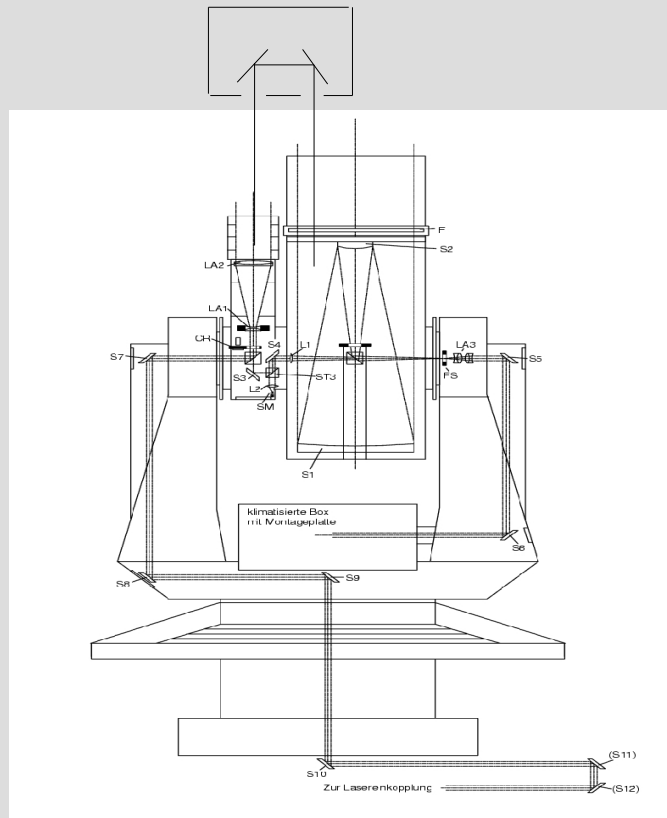
External Target



- Determine distance of local external targets wrt. SRP
- Runs with attenuated laser
- Reflected signal is passed through perforated Coude mirror to Detectors
- Parallax compensation due to position sensitivity of Avalanche Photodiodes

Optical Square

External Box with mirrors and baffles



- Runs with attenuated laser
- Optical Square at known Distance and lateral Displacement
- Determine Calibration Constant
- Yields total dispersive system delay for differential measurements