

[Access to ATA2 \(Astra target area\)](#)

Overview

We will continue to operate ATA2 for user access in this period. Note that this area will be operated in a different mode compared to Gemini. There will be long slots (9-12 weeks) for running a dedicated campaign. The operational support for experiments will be limited to a level required for safe operations. The long slots are conceived such that considerable science can still be achieved even with a minimal support level.

Current ATA2 specifications

Main Beam:

- a. Energy: ~ 500-600 mJ on target
- b. Pulse length: 45-50 fs,
- c. Beam diameter: 6 cm diameter
- d. Contrast: $<10^{-10}$ ASE level (ns)
 $<10^{-7}$ prepulse contrast (ps)

Probe options:

- (1) 10 fs, 800 nm beam at 500 micro Joule
- (2) Tuneable (450 – 1200nm) TOPAS at 30 fs and 20 micro Joules.

Both beams can be independently delayed up to 60 ns.

Please contact CLF staff if both beams are required simultaneously.

Mode of operation:

- a. Longer experimental slots
- b. Parallel access with Gemini. However, operations in Gemini will always get higher priority.
- c. Minimal access during the weekly system tuning days and maintenance weeks.