



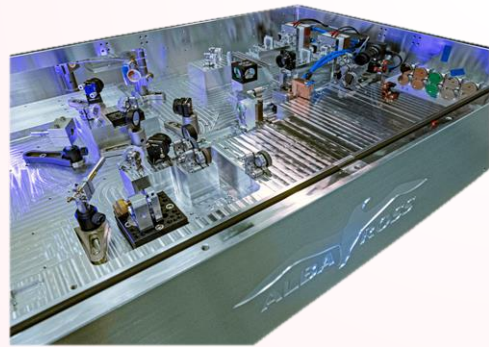
albatross

the first single-cycle infrared light source

single-cycle Cr:ZnS laser system
with octave-spanning spectral
bandwidth & ultra-low laser noise

outstanding pulse-to-pulse amplitude
and phase stability
due to low-noise pumping &
ultra-stable optical design

compact one-box solution
delivered in a sealed &
robust monolithic enclosure

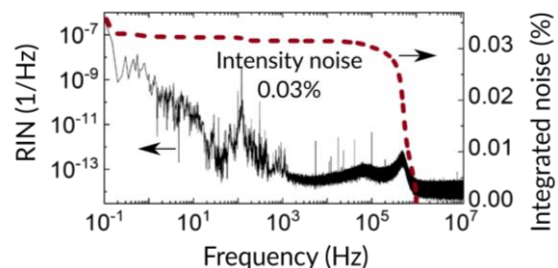
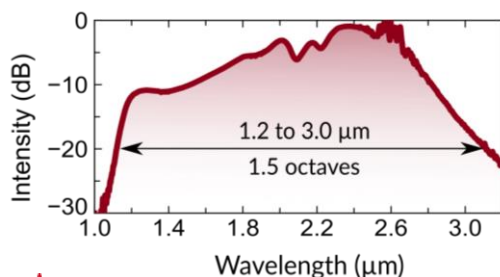
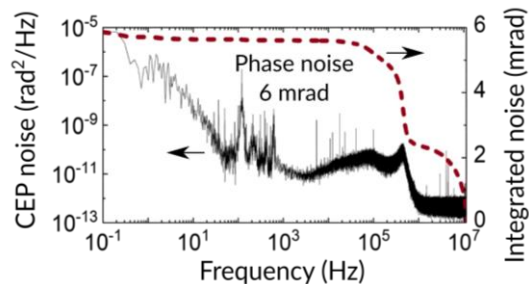
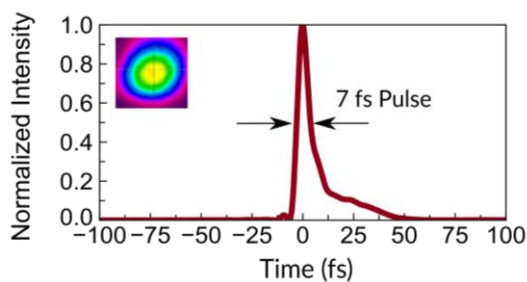


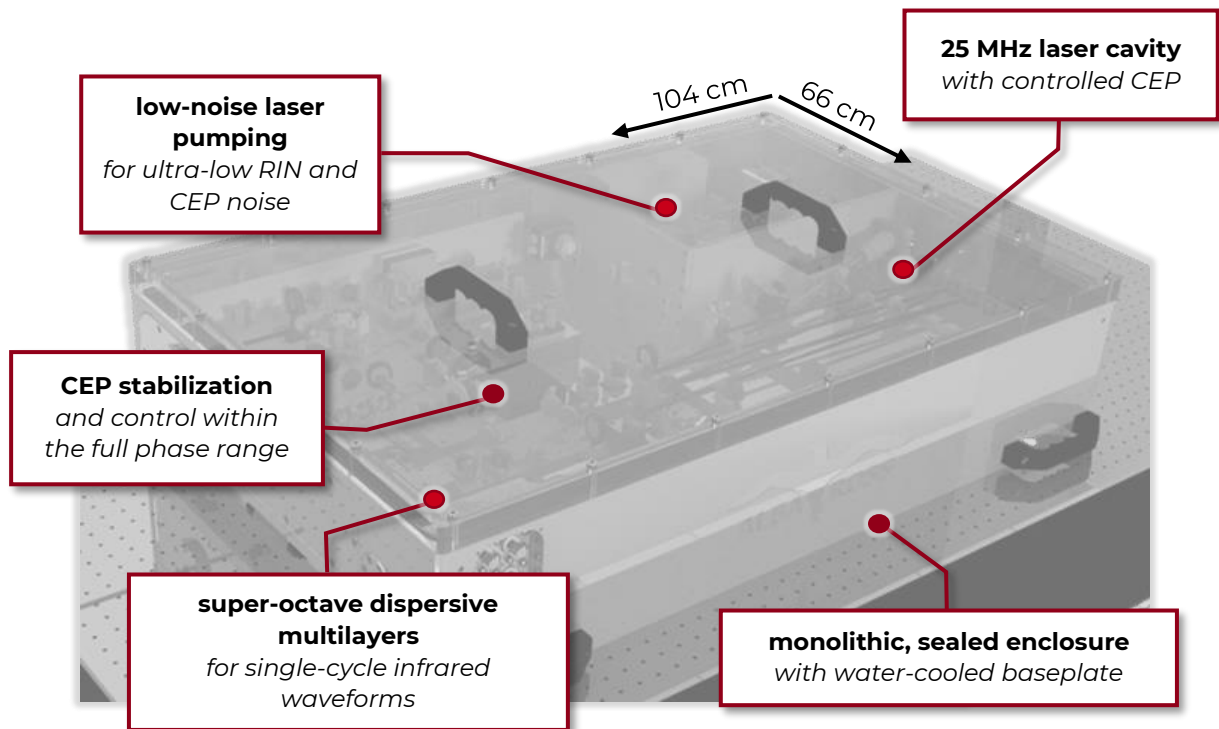
*CEP-stable single-cycle pulses
at 2 μm in one system*

key parameters

pulse duration < 10 fs	spectral coverage 1.2-3.0 μm	output power > 250 mW
CEP noise < 20 mrad	integrated RIN < 0.06 %	pulse energy > 10 nJ

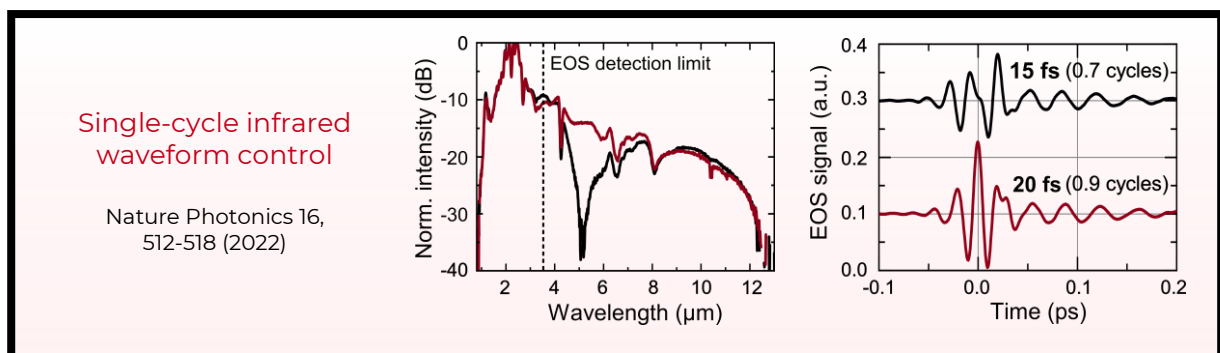
performance example





albatross is the first source of single-cycle light at the repetition rate of a laser oscillator. Efficiently generating near- to mid-infrared waveforms over more than three octaves is a striking demonstration of its potential. Combined with ultra-low noise of field amplitude and CEP, laser pulses are generated with high waveform fidelity. This makes **albatross** the ideal choice for exploring infrared opto-electronics at sub-cycle timescales and for spectroscopic measurements with unprecedented sensitivity and time resolution.

application example



[read more](#)

