

	WALI	LAASURS
Carrier	Ground-based (truck)	Airborne
Laser	Nd:YAG, flash-pumped, Q-switched Q-smart Quantel	Nd:YAG, flash-pumped, Q-switched Ultra Quantel
Pulse length	< 10 ns	6 ns
Emitted energy	120 mJ at 355 nm	30 mJ at 355 nm
Frequency	20 Hz	
Reception channels	// 355 nm \perp 355 nm N ₂ Raman 387 nm H ₂ O Raman 407 nm	// 355 nm \perp 355 nm N ₂ Raman 387 nm
Reception diameter	15 cm	
Field of view	\sim 2.3 mrad	
Full overlap	\sim 200 m	
Filter bandwidth	0.2 nm	
Detector	Photomultiplier tubes	
Post-processing vertical resolution	15–30 m	