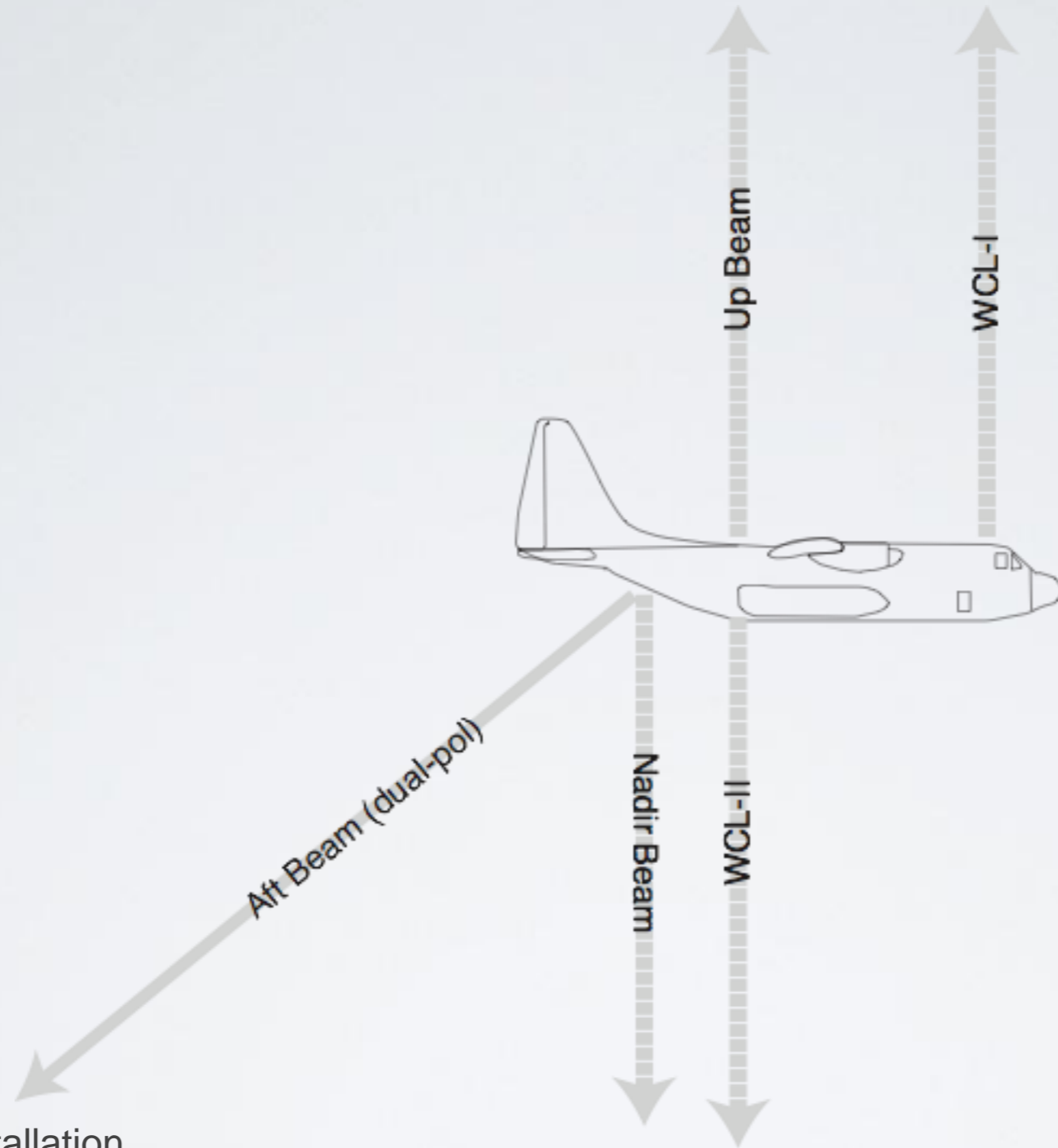


WCR & WCL STATUS



- WCR: Modified Installation
- WCL-I: Installation Unchanged
- WCL-II: New Installation

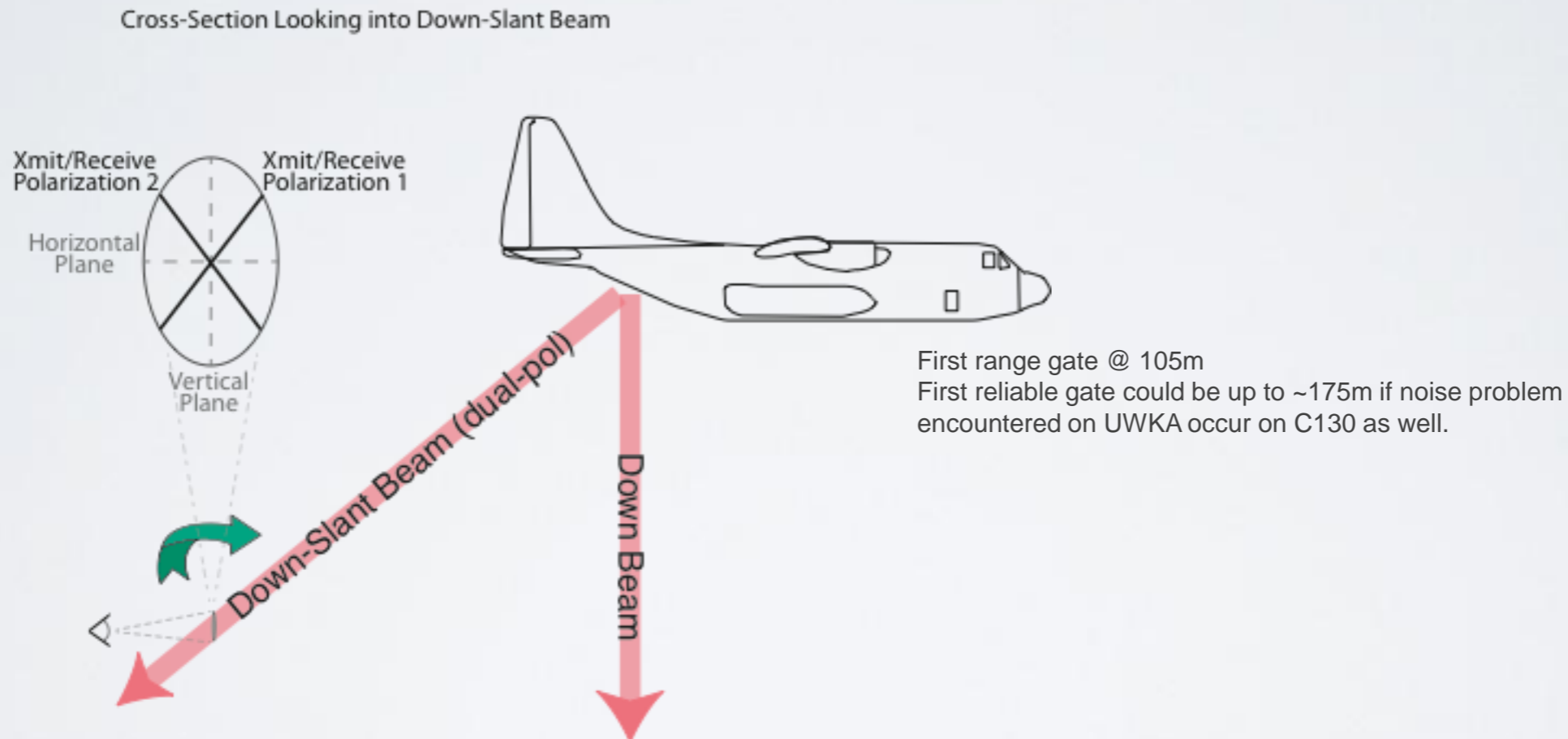
WCR

Three-beam configuration (as used in PLOWS)

Addition of dual-polarization capability to down-slant beam.

Modification necessitated development of new rack for mounting WCR

12" diameter Gaussian Optics antenna (GOLA) + associated waveguides



New configuration tested on ground:
Antenna isolation better than ~ -27 dB but not well quantified at the moment.

WCL Status

Specifications	Wavelength	Channels	Bin Spacing	Range to 1st useable bin	Data output (Pulse Repetition)
WCL-I (Upward)	355 nm	Co- and Cross-Pol	3.75 m	25m	4/second 20/second
WCL-II (Downward)	351 nm	Co- and Cross-Pol	0.75 m	25m	20 Hz ~1000 Hz

ICE-T will be the 1st C130 deployment of WCL-II. Installation of WCL-II on C130. This installation required reconfiguration of WCL-II