



FAA Weather Camera Program

Sys Ops - Flight Service

Visual Weather Observation System (VWOS) Overview

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FlightService
ATO SysOps



Federal Aviation
Administration

▶ Visual Weather Obs System (VWOS)

VWOS - Development and Test

- **Low-Cost Modernized Weather Camera Data Platform**
 - Combines a new 360 degree cameras and wx-Sensors onto one platform
- **Automated self-check and data validation**
 - Sensor auto-calibration, Sensor data validation, auto-reports sensor/data failures
- **Satisfies HR302: Sec 322 and 516 Legislation**
 - Installed at airports where AWOS/METAR does not exist

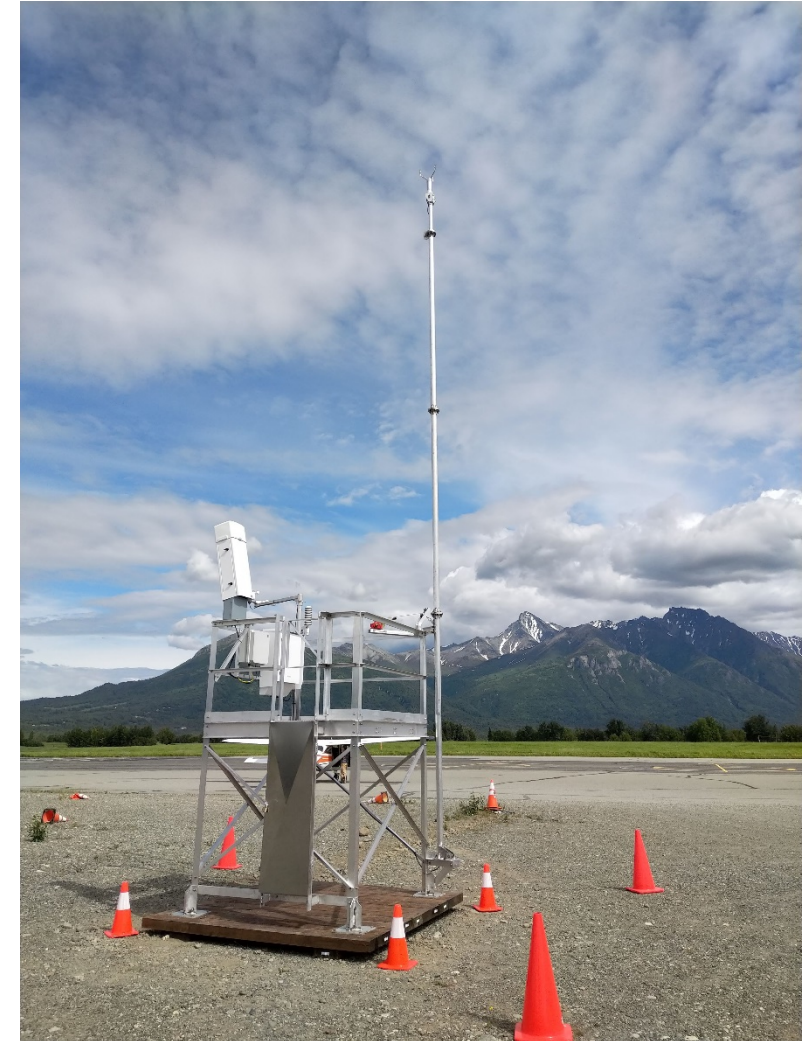


▶ Visual Weather Obs System (VWOS) (Continued)

Collaborative Test and Development (FY20-FY22)

- Flight Standards Offices, Flight Service and Weather Camera Team
- AK Operators: Warbelows; AK Air Transit; Grant Aviation
- Test Airports: Palmer, Eek, Tatitlek, Healy River

Intended for deployment at Non-METAR airports



Visual Weather Obs System (VWOS) (Continued)

Target Goals and Objective

1. Increased assurance of sensor Ops and data accuracy
2. Low-Cost to install & operate at airports that do not possess METARs
3. Generate an Industry Performance Specification
4. Enable Industry to install and operate under the new Specification

