

CPO 61 SBIR Phase II Blue Storm

Project Summary

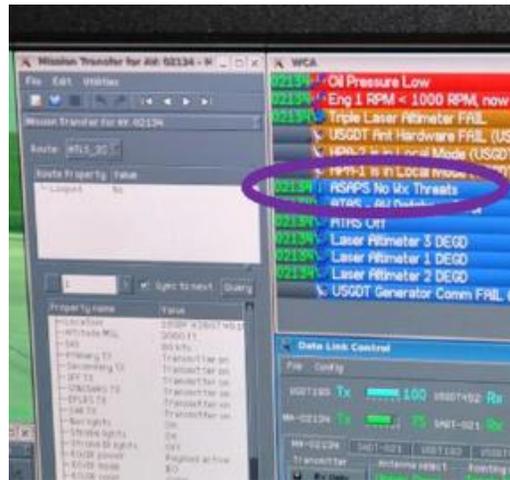
SOFWERX, in partnership with the United States Special Operations Command (USSOCOM) Small Business Innovation Research (SBIR) program office, awarded a SBIR Phase II contract to Blue Storm for SBIR topic S2S-0021 titled "Environmental Intelligence for Unmanned Aircraft Systems (UAS)." Blue Storm was tasked with developing and demonstrating a prototype atmospheric sensing system with environmental intelligence software enabling unmanned aircraft to sense and avoid clouds and icing conditions.

Project Timeline

SBIR Phase II Awarded:	21 December 2022
Project Kickoff:	12 January 2023
Final Report Delivered:	24 November 2025
Project Closeout:	28 November 2025

Resources Consumed

CPO 61 Cost: \$1,452,324
CPO 71 Cost: \$1,780,000
Total Cost: \$3,232,324



Project Results

Blue Storm successfully developed and demonstrated a prototype Atmospheric Sensing and Prediction Systems (ASAPS) capability for the United States Army Special Operations Aviation Command (USASOAC) MQ-1C/ER Gray Eagle program. The system communicates within the aircraft network via the Standardization Agreement (STANAG) 4586 interface and enables the transmission of real-time cautions and warnings for display in the Gray Eagle ground control station.

