

2 SYSTEMS OPERATIONS SQUADRON



MISSION

Operate and sustain the Air Force's \$322M strategic weather high performance computing center to deliver authoritative environmental intelligence to decision makers across the spectrum of global operations.

2 SYOS is a 89-member squadron of military and civilian professionals that provides strategic-to operational-level specialized airpower by uniquely supporting the communication, computing, and programming needs of the highly-technical, data intensive Air Force Weather global enterprise. The squadron is comprised of two flights: Operations and Data. Collectively, they form the core of the weather enterprise engine.

2 SYOS operates the AF's largest Special Purpose Processing Node, the linchpin force enabler for the Air Force weather enterprise, generating thousands of critical environmental products and services to weather forecasters and operational end users every day, on a global scale. They maintain DoD's tactical weather location identifier program which ensures transmission of and access to vital weather information at deployed and oftentimes austere operating locations across the globe.

Our professionals coordinate and perform operational analysis on receiving 680K and delivering 2.4M files daily. They apply over 20,000 system patches annually to mitigate security vulnerabilities across 78 production platforms, ensure data integrity across 90 databases, and enable DoD's sole space weather warning capability to secure our country's \$104B strategic satellite fleet.

LINEAGE

2 Systems Operations Squadron constituted, 17 Jan 2007

Activated, 28 Mar 2007

STATIONS

Offutt AFB, NE, 28 Mar 2007

ASSIGNMENTS

Air Force Weather Agency, 28 Mar 2007

COMMANDERS

Lt Col C. Cantrell, 28 Mar 2007

Lt Col J. Shull, 3 Aug 2009

Lt Col M. Gauthier, 22 Jul 2011

Lt Col J. Blackerby, 23 Jun 2014

Lt Col J. McMillen, 26 Jun 2016

Lt Col R. DeLeon, 30 Jun 2018

Lt Col H. Schiano, 30 Jun 2020

Lt Col N. Gomez, 14 July 2022

HONORS

Service Streamers

Campaign Streamers

Armed Forces Expeditionary Streamers

Decorations

Air Force Outstanding Unit Award

19 Sep 2007-31 Dec 2008

EMBLEM

On a disc per pale Azure and Sable, a globe Vert grid lines Argent, charged with three flashes issuant in fess point radiating to chief, dexter and sinister Or, charged with an anemometer in fess point overall of the fourth and fimbriated of the second; all within a narrow border Blue. Attached below the disc, a White scroll edged with a narrow Blue border and inscribed "2D SYSTEMS OPERATIONS SQUADRON" in Blue letters. **SIGNIFICANCE:** Ultramarine blue and Air Force yellow are the Air Force colors. Blue alludes to the sky, the primary theater of Air Force operations. Yellow refers to the sun and the excellence required of Air Force personnel. The three flashes are symbolic of the three Air Force Weather enabling concepts of environmental characterization, managing net-centric data, and services and information exploitation. Each flash has three points, signifying support to strategic level, operational level, and tactical level operations. The anemometer symbolizes the Squadron's mission as an element of Air Force Weather. The three flashes and the anemometer share a common point and denote the fusing the transformation of raw data into actionable environmental information. The globe represents the worldwide impact of the unit's mission. (Approved, 8 May 2007)

MOTTO

OPERATIONS

DEPARTMENT OF THE AIR FORCE UNIT HISTORIES

Created: 30 Apr 2013

Updated: 12 Nov 2023

Sources

Air Force Historical Research Agency. U.S. Air Force. Maxwell AFB, AL.

The Institute of Heraldry. U.S. Army. Fort Belvoir, VA