

## 14<sup>th</sup> WEATHER SQUADRON



### **MISSION**

14th Weather Squadron is located in the Veach-Baley Federal Complex in Asheville, NC. The 14 WS collects, stores, and characterizes earth-space environmental data to provide tailored and simulated weather information and services that maximize the combat effectiveness of the U.S. Department of Defense personnel and weapons systems. The 14 WS enhances the combat capability of the United States by delivering environmental situational awareness worldwide to the United States Air Force, the Army, Unified Combatant Commands, the Intelligence Community, and the Department of Defense. The 14 WS also collaborates with the National Climatic Data Center, and the Fleet Numerical Meteorological and Oceanographic Detachment-Asheville .

The 14 WS consists of more than 70 active-duty officer and enlisted personnel, civilians, and contractors. The majority of the personnel at the 14 WS are meteorologists, weather technicians, and computer programmers that work together in accomplishing the mission. The 14WS is divided into two flights, the Operations Flight and the Systems Flight.

### **LINEAGE**

USAF Environmental Technical Applications Center constituted, 9 Jun 1967

Organized, 8 Jul 1967

Redesignated Air Force Combat Climatology Center, 1 Oct 1995

Redesignated 14<sup>th</sup> Weather Squadron, 19 Oct 2007

### **STATIONS**

Washington, DC, 8 Jul 1967

Scott AFB, IL, 30 Aug 1975

Asheville, NC, 1 Jul 1998

### **ASSIGNMENTS**

6<sup>th</sup> Weather Wing, 8 Jul 1967

Air Force Global Weather Central, 1 Aug 1975

Air Weather Service (later, Air Force Weather Agency), 9 Jul 1991

2<sup>nd</sup> Weather Group 19 Oct 2007

### **COMMANDERS**

Col Dale J. Flinders, 8 Jul 1967

LTC Walter E. Warner, 31 Jul 1968

Col Robert W. Sanderson, 1 Feb 1969

Col Thomas D. Potter, 1 Feb 1970

Col Richard A. Johnson, 1 Feb 1972

Col Gilbert N. Woods, 15 Feb 1973

Col Robert M. Gottuso, 6 Apr 1973

Col Paul Janota, 1 Feb 1976

Col Dale C. Barnum, 30 Aug 1977

Col Robert J. Fox, 28 Jul 1978

Col Quenten L. Wilkes, 4 Jan 1980

Col Milton D. Forsyth, 10 Jul 1981

Col Lawrence R. French, 15 Jul 1983

Col Philip D. Wood, 10 Jul 1985

LTC Kenneth P. Freeman, 2 Feb 1987

### **HONORS**

#### **Service Streamers**

None

#### **Campaign Streamers**

None

#### **Armed Forces Expeditionary Streamers**

None

#### **Decorations**

Air Force Outstanding Unit Awards

[8 Jul 1967]-31 Mar 1968

1 Jul 1971-31 May 1973

1 Jul 1980-30 Jun 1982

26 Sep 1983-7 Sep 1984

Air Force Organizational Excellence Awards

30 Apr 1985-1 May 1987

1 Jan 1988-30 Jun 1989  
1 Jan 1991-30 Apr 1992  
1 Sep 1993-30 Sep 1995  
1 Oct 1995-30 Sep 1996  
1 Oct 1998-30 Sep 1999  
1 Oct 1999-30 Sep 2001  
1 Oct 2001-30 Sep 2003  
1 Sep 2004-30 Sep 2005

## EMBLEM

Against a background of light blue sky displaying a satellite to represent the Air Force theater of operations and its satellite program, a set of anemometer cups with a fleur-de-lis symbolizes the Air Weather Service and indicates this unit's affiliation with its parent organization. The lightning indicates war, the olive branch represents peace, the missile and aircraft represent our advanced weapons and missile programs, and the globe indicates our global capabilities and mission.



USAF Environmental Technical Applications Center emblem: Fields of ultramarine blue and golden yellow represent the Air Force colors. The anemometer relates the unit to Air Weather Service. The quarter moon embedded in solar disk represents solar energy, astronomical calculations, and upper atmospheric meteorology. The gridded day/night earth represents all hour classical climatology, numerical (gridded) weather modeling and simulation, and global applicability of unit's work. Earth also represents agricultural and boundary meteorology. Arrowhead embedded in gridded earth represents unit's mission to support all U.S. Air Force and Army aviation—aircraft, missile, and satellite. The computer is the unit's main non-human tool in performing the mission. The four directional indicators within broken circle represent consulting services. The arrows are indicating attempts to close the gap of incomplete knowledge (broken circle) by development of new techniques and searching the literature in an attempt to improve on old techniques. Light blue triangular band represents the unifying factor, our worldwide historical data base, stored on computer tape. It encloses the globe and brings together all the

elements listed above.

14<sup>th</sup> Weather Squadron emblem: On a disc Azure, an anemometer Sable fimbriated or environed by a tri-parted knot Celeste overall; all within a narrow border Blue. Attached below the disc, a White scroll edged with a narrow Blue border and inscribed "14TH WEATHER 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 tri-parted knot alludes to the worldwide data base archived on computer tape. The weather anemometer icon denotes the unit's mission. (Approved, 15 Feb 1996)

#### **MOTTO**

WE SUPPORT THE PLANNER

PAST WEATHER-OUR FUTURE

#### **NICKNAME**

#### **OPERATIONS**

At the end of 2007, the strength of 14 WS stood at 95 authorized positions. The 14 WS possesses the DoD's most complete repository of worldwide weather data, receiving nearly 500,000 weather observations and satellite-derived wind profiles each day. Over the unit's history, customer support has expanded to include all of the military services, the joint commands, AF and Army major commands, U.S. intelligence agencies, the White House and foreign allied military organizations.

14 WS is continuously upgrading to the latest data visualization techniques and other technologies as they become available. This has allowed 14 WS to provide natural environment representations to the DoD Modeling & Simulation community for use in all live, virtual, and constructive simulation-based activities. On 30 Nov 07, the Environmental Scenario Generator (ESG) transitioned from research and development to operational use. ESG provides the ability to generate customized environmental scenario databases for simulations supporting the DoD in training, acquisition, testing, planning, and experimentation activities.

In an increasingly net-centric environment, we are developing tool sets to rapidly acquire, use, and share products in a distributed environment, integrating environmental information and embedding people into the appropriate systems and decision cycles. We are, and intend to remain, the recognized leader in DoD climatological support.

The mission of AFCCC is one of military applied climatology. We collect, maintain, and apply worldwide weather data, creating climatological products to strengthen the combat capability of America's warfighters.

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Air Force Order of Battle

Created: 27 Sep 2010

Updated: 28 Oct 2015

#### Sources

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

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

Air Force News. Air Force Public Affairs Agency.