

# **747 AIRCRAFT CONTROL AND WARNING SQUADRON**

## **MISSION**

## **LINEAGE**

747 Aircraft Control and Warning Squadron

## **STATIONS**

Ellington AFB, TX

## **ASSIGNMENTS**

## **COMMANDERS**

Maj Donald L. Graff, #1956

Maj Robert E. Jennings, #1960

## **HONORS**

**Service Streamers**

**Campaign Streamers**

**Armed Forces Expeditionary Streamers**

**Decorations**

## **EMBLEM**

## **MOTTO**

## **OPERATIONS**

In April 1952 the 747th AC&W Squadron began operating a pair of AN/FPS-10 radars. In 1955 the Air Force placed an AN/FPS-8 at this site that subsequently became an AN/GPS-3. This set operated until 1960. In 1957 an AN/FPS-6 set replaced the AN/FPS-10 height-finder radar. By 1960 this facility performed air traffic control duties for the FAA with an ARSR-1 radar. The 747th

was deactivated in December 1969 and the FAA operated the ARSR-1. In late 1972 a detachment of the 630th Radar Squadron arrived to operate an AN/FPS-6 height-finder radar.

747 Ellington AFB, TX FPS-10 (2); FPS-8/GPS-3; ARSR-1A; FPS-6 ARSR-1E; FPS-6  
Apr-52 31-Dec-69 + Later (1972), part of Southern Air Defense System, site Z-240;  
still FAA site.

Current Use: Active FAA site. This now-FAA long-range radar site is now data-tied into the Joint Surveillance System (post 9/11).

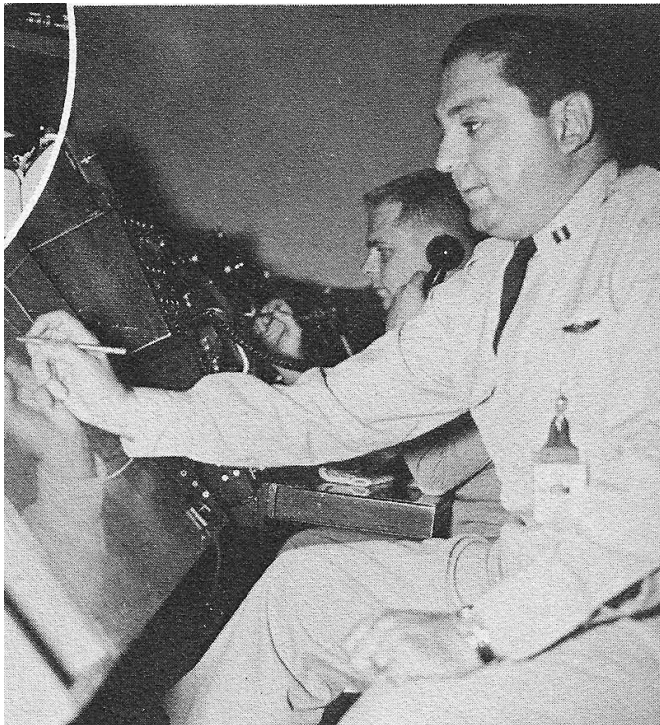
#### History of Ellington AFB, TX

In April 1952 the 747th AC&W Squadron began operating a pair of AN/FPS-10 radars. In 1955 the Air Force placed an AN/FPS-8 at this site that subsequently became an AN/GPS-3. This set operated until 1960. In 1957 an AN/FPS-6 set replaced the AN/FPS-10 height-finder radar. By 1960 this facility performed air-traffic-control duties for the FAA with an ARSR-1A radar. In 1964 the ARSR-1A was upgraded to an ARSR-1E. The 747th Radar Squadron was deactivated 31 December 1969, and the FAA continued to operate the ARSR-1E. In late 1972 a detachment of the 630th Radar Squadron arrived to operate an AN/FPS-90 height-finder radar, which was modified to an AN/FPS-116 circa 1977. The AN/FPS-116 was retired circa 1988. Air Force use of this site ceased in the late 1990s when an ARSR-4 radar was activated nearby at Morales, TX.

747th ACW Squadron: activated 1 Feb 53 at Ellington AFB,  
TX AS THE 33RD AIR Division; transferred to Oklahoma City ADS on 1 Jan 60; transferred to  
4752nd Air Defense Wing on 1 Sep 61; transferred to Oklahoma City ADS on 25 Jun 63; reassigned  
to 31st Air Division on 1 Apr 66; inactivated on 31 Dec 69.







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USAF Unit Histories  
Created: 16 Jun 2020  
Updated: 23 Jul 2023

Sources

Air Force Historical Research Agency. U.S. Air Force. Maxwell AFB, AL.  
Unit yearbook. *Ellington Air Force Base, 1960.*