

## 682 RADAR SQUADRON (SAGE)



### MISSION

### LINEAGE

682 Aircraft Control and Warning Squadron  
Redesignated 682 Radar Squadron (SAGE)

### STATIONS

Kirtland AFB, NM, 1 Dec 1953-1 Aug 1954  
Almaden AFS, CA

### ASSIGNMENTS

### COMMANDERS

Maj Charles R. Skinner

### HONORS

**Service Streamers**

**Campaign Streamers**

**Armed Forces Expeditionary Streamers**

**Decorations**

### EMBLEM



## **MOTTO**

## **NICKNAME**

## **OPERATIONS**

682 Almaden AFS, CA FPS-20; FPS-24; MPS-14; FPS-6A/-90 FPS-24; MPS-14; FPS-90  
1958 01-Apr-80 Site sat at the top of Mount Umunhum; GATR site on Mount Thayer  
~1 mile to the west. The FPS-24 at this site was the second production model.

Great difficulties were encountered in construction at this site. During fiscal year 1957, the Air Defense Command held up construction due to funding shortfalls. The radars finally came on line with AN/FPS-20 and AN/MPS-14 sets in 1958. A year later, an AN/FPS-6A height-finder radar joined the site. In 1961 the site received an AN/FPS-24 radar, but could test the radar only on a not-to-interfere basis with television transmissions. This radar became operational in 1962, and the AN/FPS-20 was removed soon afterwards. In 1963 an AN/FPS-90 replaced the AN/FPS-6A height-finder. The 682nd AC&W Squadron operated this site. The site came under TAC jurisdiction in 1979, and closed 1 April 1980.

Almaden AFS became the operational location of the 682<sup>nd</sup> Radar Squadron on 24 Jul 1957. The Stars and Stripes were raised at 0640 on that date with two officers and five airman present for duty. The squadron was officially transferred to its present location on 7 October 1957, and became operational on 21 March 1958, as a part of the San Francisco Air Defense Sector.

The initial mission equipment consisted of the AN/FPS-20 search and AN/MPS-14 height finder radars. In May 1958, the AN/MPS-14 was moved to a more suitable location and the AN/FPS-90 height finder radar was added. An Air-To-Ground Radio Transmitter/Receiver site was added in May 1962. The AN/FPS-20 was removed in November of that year and replaced with the current AN/FPS-24 search radar. A Digital Data processor, the AN/FST-28, was installed in 1961 and after operating as a NORAD Ground Control Interceptor since 1963, the 682<sup>nd</sup> reverted to a Long Range Radar Squadron in April 1966 and became part of the 26th Air Division headquartered at Adair AFS, Oregon, under the 4<sup>th</sup> Air Force, Hamilton AFS, California. On 1 July 1968, the squadron was

incorporated into the BUIC configuration. The squadron's mission again reverted to a LRR in March 1969, and on 16 September 1969, the squadron went under the operational control of the 26th Air Division NORAD Region headquarters at Luke AFB, Arizona. An AN/FYP-47 Digital Data Processor replaced the AN/ FST-2B in May 1972 and the AN/FPS-90 was deactivated on 1 October 1976.

682nd Radar Sq (SAGE): activated 1 Dec 53 at Geiger Field, WA, assigned to the 4702nd Def Wg; moved to Kirtland AFB, MM and-transferred to 34th AD in Jan 54; moved to Hamilton AFB, CA and transferred to 28th AD 13 Jul 54; moved to Almaden AFS, CA in Sep 57; transferred to San Francisco ADS 1 Jul 60; redesignated from AC&W Sq to 682nd Radar Sq (SAGE) 15 Jan 61; transferred to LA ADS 1 Aug 63; transferred to 26th AD 1 Apr 66; reassigned to 27th AD 15 Sep 69; reassigned to 26th AD 19 Nov 69; redesignated 682nd Radar Sq 1 Feb 74.

The 682nd Radar Squadron was assigned an operational location at Almaden Air Force Station, New Almaden, California on 24 July 1957. The squadron was transferred to Almaden Air Force Station on the peak of 3,500 foot Mount Umunhum in the Santa Cruz Mountains, on 7 October 1957 and became operational on 21 March 1958 as part of the San Francisco Air Defense Sector. The initial mission equipment consisted of the FPS-20 search and MPS-14 height finder radar. In May 1958, the MPS-14 was moved to a more suitable location and the FPS-90 height finder radar was added. An air-to-ground radio transmitter-receiver facility was added in 1962 and the FPS-20 tower was moved in November of that year. The FPS-24 search radar was installed at this time. A digital data computer, was installed in 1961. After operating as a North American Aerospace Defense (NORAD) Ground Control Intercept site in 1963, the 682nd Radar Squadron reverted to a Long Range Radar (LRR) squadron in April 1966 and became part of the 26th Air Division headquartered at Adair Air Force Station, Oregon under the 4th Air Force, Hamilton Air Force Base, California. On 1 July 1968, the squadron was incorporated into the Back-up Intercept Control (BUIC) Configuration. The squadron' s mission again reverted to LRR in March 1969; and on 15 September 1969, the squadron went under the operational control of the 27th Air Division, Luke AFB, Arizona. A reconfiguration of NORAD on 14 November 1969 changed the designation of the parent Air Division to the 26th Air Division, as well as the 26th NORAD Region. An AFYQ-47 replaced the AN/FST-2B May 1972.

Almaden Air Force Station, including Ground Air-Transmitter Receiver (GATR) site, is located about 13 miles south of the City of San Jose, County of Santa Clara, California.

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Air Force Lineage and Honors

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Sources

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