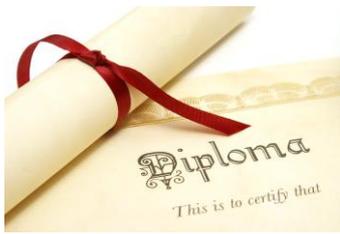


CAROL SUGARS – K5TFL

SUMMITS ON THE AIR





AVIONICS & AEROSPACE SYSTEMS ENGINEERING, MECHANICAL ENGINEERING



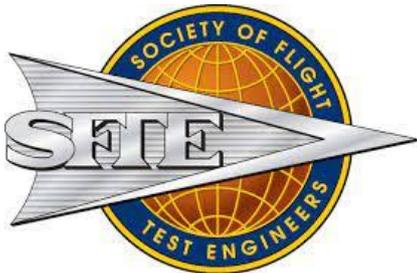
FCC AMATEUR EXTRA



AVIONICS TECHNICIAN



AIRLINE CAPTAIN/FLIGHT ENGINEER



SOCIETY OF FLIGHT TEST ENGINEERS





STATE OF THE ART ATC - 1984



HOT



NOT SO HOT



sota.org.uk

“Summits on the Air is an amateur radio awards scheme. To participate in this scheme you do not become a "member", there are no dues to be paid or membership cards to be issued.”

ORGANIZATION

Summits On The Air

Concieved in 2002 by John Linford G3WGV

Countries/States divided into “Regions”

Summits (point values) within the region defined by height e.g Sandia Crest W5N/SI-001

Activators climb Summits to the “Activation Zone” and establish QSO’s with “Chasers”

Both Activator and Chasers awarded points

Summits



Activators



Chasers





Awards

Trophys



Where to go?

Summit Listing/Map - "SOTLAS"

The screenshot displays the SOTLAS website interface. At the top, the browser tab is labeled "Map - SOTLAS" with the URL "sotl.as". The website header features the SOTLAS logo, a clock showing "12:23z", and a search bar with the text "Summit, Callsign, Coords...". Navigation tabs include "Map", "Summits", "Spots", "Alerts", and "More", along with a "Login" button. The main content area is a map of New Mexico showing various summits marked with red and yellow dots. Key locations labeled on the map include Los Alamos, Santa Fe, Las Vegas, Rio Rancho, Albuquerque, South Valley, Grants, and Santa Rosa. The map is overlaid with a grid of shaded regions labeled with callsigns such as W5N/SE, W5N/PW, W5N/SM, W5N/SI, and W5N/SL. A scale bar at the bottom left indicates "20 mi". The Windows taskbar at the bottom shows the time as "6:23" and the date as "05-Oct-24".

Detailed Summit Information - SOTLAS

Sandia Crest

+ Alert + Spot

W5N USA - New Mexico / SI Sandia Mountains - 001

W5N/SI-001 | 10679 ft | **10** +3 points | 281 activations



Picture of Sandia Crest taken from near Elena and Eubank. Taken with 55-200 mm f/4-5.6G ED AF-S DX Zoom-Nikkor Lens. Brightness corrected +21 with Nikon Picture Project.
I, Skoch3 [CC BY-SA 3.0]

Coordinates: **35.2102, -106.4496** [Open](#) [Copy](#)

Locator: **DM65sf**

First activation: **KE5AKL** on 25 Apr 2011

Resources (+ Article)

- Wikipedia: [Sandia Crest](#)
- Google: [Sandia Crest](#)
- [KG6MZS on Sandia Crest 29 January 2022](#) (by KG6MZS on 31 Jan 2022)
- [New Year's Eve Activation 2013](#) (by KE5AKL on 13 Nov 2017)
- [K0NR Trip Report: Sandia Crest](#) (by K0NR on 08 Aug 2014)
- [A few pics of this SOTA Peak](#) (by N7UN on 09 Aug 2012)
- [W5/SI-001 Sandia Crest; Success at last!](#) (by NM5SW on 31 Mar 2012)



EQUIPMENT

Chasers

Any basic HF station - CW / Phone

Nice to have - Directional Antenna

Some activity – Digital modes & V/UHF

EQUIPMENT

Activators

Small/portable HF Radio –

Popular; Elecraft KX line, Icom 705

Portable/quickly deployable antenna -

Fiberglass pole; SOTABEAMS, Fishing pole

Wire antenna; EFHW/Random, Balun

Small logbook/notepad – waterproof

Small key/kneeboard/clipboard for CW ops

GPS/Phone – Map, Spotting

Seat- Camping Chair/Pad

EQUIPMENT

Activators

Suitable Clothing –

Summer; Hat, Long sleeves, Gloves, Boots

**Winter; Warm Hat, Windproof Jacket,
Insulated Layers, Snowshoes**

First Aid/Survival Kit-

Basic First Aid, Band-aids, Tweezers, Wipes

Survival Shelter/Space Blanket/Signal Mirror

Water, Food

Rucksac/Back Pack, Hiking Poles

OPERATING PROCEDURES

Valid QSO; Callsign, Summit Reference -

“K5TFL W5N/SI-001”

Spotting; Very, very useful – difficult without

Alerts; Post/Listed on sotawatch, sotlas

CHALLENGES

Chasers

Noise, Weak signals, QRM

Activators

Environmental; Wind, Rain, Sun, Cold

Operational; QRP, QRM, Antenna, Cell service

WEBSITES

Main SOTA website – sota.org.uk

Spotting - sotawatch.sota.org.uk

Logging; Enter QSO - sotadata.org.uk

Summit Listings/SOTLAS - sotl.as

**New Mexico (W5N) SOTA message board -
goups.io/g/W5N-SOTA**

Thank You



K5TFL, G6TFL



Carol Sugars



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