

CAROL SUGARS – K5TFL

SUMMITS ON THE AIR





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

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

RADIO

**Quality – Bandwidth, Clean Signal;
Icom, Elecraft**

**Battery – Internal (IC 705)
External (Elecraft, IC706)**

Tuner – Internal (Elecraft)

EQUIPMENT

ANTENNA

RESONANT – TUNERS, TRAPS = WASTE POWER

PRACTICAL; END FED –

**DIPOLE/CENTER FED = DIFFICULT TO SUPPORT
WIRE IN TREE = TANGLED MESS**

EASY TO DEPLOY AND SUPPORT IN;

WIND, RAIN, SNOW, POOR SUPPORT

EQUIPMENT

ANTENNA SUPPORT

LIGHT WEIGHT – CARBON FIBRE, GRP

SHORT – ALREADY IN GOOD LOCATION

PRACTICAL – NOT GUYED;

LEAN AGAINST TREE/BUSH

BUNGEE/TIE TO CACTUS/BUSH/TREEPOST

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 containing "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 with numerous red and yellow markers representing summits. The map is overlaid with a grid of shaded regions labeled with callsigns: W5N/SE, W5N/PW, W5N/SM, W5N/SI, and W5N/SL. Major cities and locations are labeled, including Española, Los Alamos, Santa Fe, Las Vegas, Rio Rancho, Albuquerque, South Valley, Grants, and Santa Rosa. A scale bar at the bottom left indicates "20 mi". The Windows taskbar at the bottom shows the time "6:23" and date "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]

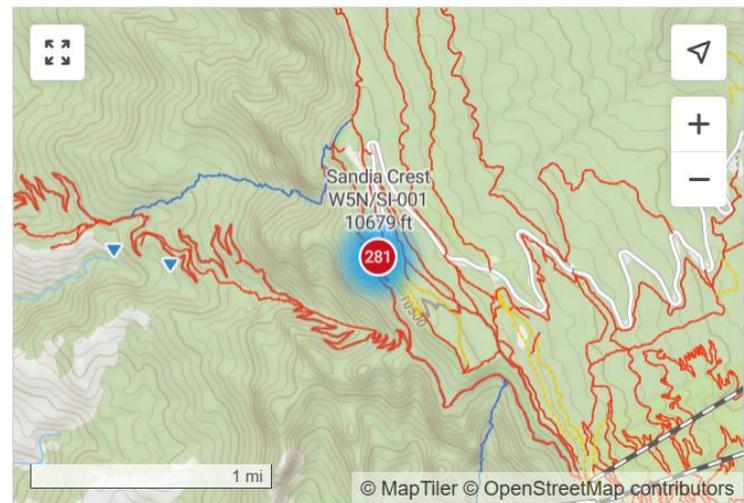
Coordinates: **35.2102, -106.4496** [Open](#) [Copy](#)

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

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



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