

Computers and Websites as Ham Radio Tools

Today most every Ham operator uses a computer of some sort for their operating convenience. Lets look at just a few websites that I use. You may have your favorites so this is just examples of the TOOLS I use.

1. WWW.Dxsummit.Fi

a. This is a Finnish website created and maintained the radio club OH8X. If you haven't been on this site before its worth digging around. I have used this site for most of 20 years and still use it daily. Be sure to take note of the Massive tower and antennas they created. { **Note ... It doesn't exist any longer.** }

- b. This site gives near real time spots of stations the “spotter” has either worked, or has been able to copy, and a short info comment.
- c. You can also somewhat tailor it to your area so the spots are more realistic for you. (NA, EU, VK, or a specific call VP2MDM, etc)
- d. You can send a spot on the right hand side. Note all the frequencies need to be in KHZ. (14074, not 14.074)

e. One other feature is by clicking on a call, spotter or DX will open a drop down menu, and can click on any of the four items for further access to QRZ.com, ClubLog.org, Grey line map, VOACAP predictions.

+ Filters

dx

inc

Q Search

| Spotter | Freq. | DX | Time | Info | Country |
|-----------|---------|-----------|--------------|----------------------------------|----------------------|
| SV1DAY | 18070.1 | V31XX | 14:43 17 Jun | 559 in Athens | Belize |
| N7EKD-@ | 7147.0 | WA7LNH | 14:43 17 Jun | CQ DX LONG/SHORT Path + | United States |
| DL8HK-@ | 7143.0 | TM42JO | 14:43 17 Jun | new QRG CQ CQ--- | France |
| ICASA-@ | 10122.0 | ZS1RJQ | 14:43 17 Jun | 26DBW!! | South Africa |
| PJ7VP-@ | 28015.0 | V44KAI | 14:43 17 Jun | Calling CQ DX CW | St. Kitts & Nevis |
| DO4ZH | 50313.0 | DJ9YE | 14:42 17 Jun | FT8 -18dB 842Hz | Fed. Rep. of Germany |
| OK1FT-@ | 21265.0 | 5U5K | 14:42 17 Jun | PSE AGN ? | Niger |
| ZS1RJQ-@ | 10122.0 | ZS1PZ/V51 | 14:42 17 Jun | On sched))))))))) | Namibia |
| K7MOA-@ | 14063.0 | WN5C | 14:42 17 Jun | POTA | United States |
| DX_TEAM-@ | 0.0 | 5U5K | 14:41 17 Jun | Hes got a rubbish antenna | Niger |
| DX_TEAM-@ | 0.0 | FT4GL | 14:40 17 Jun | Same in OC and asia .. NA | Glorioso Islands |
| K4EDQ-@ | 24890.0 | 5U5K | 14:39 17 Jun | Not qso NA 0000 QSO NA and 17/24 | Niger |
| KE4GTQ-@ | 14253.0 | KE4GTQ | 14:39 17 Jun | CQ | United States |
| DL4MBY-@ | 28074.0 | PZ5RA | 14:38 17 Jun | FT8 | Suriname |
| DM4FT-@ | 14085.0 | FT4GL | 14:38 17 Jun | PSE FT 4 ? | Glorioso Islands |
| WB8ERQ-@ | 10108.0 | VE2JCW | 14:38 17 Jun | Pota | Canada |
| IK5CRH-@ | 7075.0 | VK9LA | 14:38 17 Jun | | Lord Howe Island |
| G0UVX | 21021.0 | HZ1TT | 14:37 17 Jun | TKS QSO 73 | Saudi Arabia |

🕒 14:44:00 17 Jun

📍 Location

Share a spot

My call: Callsign

DX: DX

kHz: kHz

Info: Info

Share

🌐 Propagation Now

Solar-Terrestrial Data

17 Jun 2024 1237 GMT

SFI: 167 SN: 161

A-Index: 13

K-Index: 2

X-Ray: C1.3

304A: 140.8 @ SEM

Calculated Conditions

Band Day Night

80m-40m: Poor Good

30m-20m: Poor Good

17m-15m: Good Good

2. WWW.Dxwatch.com

This is another spotting site, with similar information and access. You may find the layout better for you.

14:44:43 UTC

Hello! Please [log in](#) or [register](#) if you are a new visitor.

[show/hide my last filters](#)

no filter selected, showing all spots
[send a spot / search spot by callsign](#)

rows to show: 50

| de | dx | freq | obs | time |
|--------|--------|---------|---|--------------|
| KI5ZXF | KN4TBG | 18130 | [LoTW] | 1443z 17 Jun |
| SV1DAY | V31XX | 18070.1 | [LoTW] 559 in Athens | 1443z 17 Jun |
| UA3YFL | R2024K | 28074 | FT8 -1 dB 2433 Hz | 1442z 17 Jun |
| DO4ZH | DJ9YE | 50313 | [LoTW] FT8 -18dB 842Hz | 1442z 17 Jun |
| MW7ADQ | AF6O | 21074 | [LoTW] ft8 thanks mw7adq | 1442z 17 Jun |
| F4HXJ | TM42JO | 7021 | CW IN87fv -> JN16 | 1442z 17 Jun |
| OM1AN | KB3Z | 21074 | [LoTW] FT8 tnx QSO GL 73! | 1442z 17 Jun |
| IT9HWM | TA1BX | 14215 | [LoTW] World day to combat desertification and drought. | 1442z 17 Jun |
| EA1JW | EA1AF | 7177 | [LoTW] POTA ES-0863 | 1442z 17 Jun |
| N7EKD | WA7LNH | 7147 | CQ DX LONG/SHORT PATH + | 1441z 17 Jun |
| OM1AN | DL9PN | 21074 | [LoTW] FT8 tnx QSO GL 73! | 1440z 17 Jun |
| YB1HR | WA4RH | 21074 | [LoTW] FT8 -14dB from EM96 1708Hz | 1440z 17 Jun |
| IT9HWM | TA1BX | 14236 | [LoTW] cq cq cq | 1439z 17 Jun |
| UB3LBU | RU9CZ | 24935 | [LoTW] RCPW USB | 1439z 17 Jun |
| YB1HR | IZ5UGE | 21074 | [LoTW] FT8 -16dB from JN53 1983Hz | 1439z 17 Jun |
| EA3IDY | EA1AF | 7177 | [LoTW] POTA ES-0863 | 1438z 17 Jun |
| DL8DWW | TM42JO | 7021 | SES | 1437z 17 Jun |
| JE1CCD | SP4K | 50313 | [LoTW] ft8 | 1437z 17 Jun |
| OM1AN | CS7AXN | 21076.7 | [LoTW] FT8 tnx QSO GL 73! | 1436z 17 Jun |
| EA3OH | R2024S | 21026 | | 1436z 17 Jun |
| R3LBF | R2024S | 21026 | tnx QSO 73! | 1436z 17 Jun |
| EA3CU | 3D2USU | 21074 | [LoTW] [OC-016] FT8 -3 dB 307 Hz | 1435z 17 Jun |
| A65HS | A65HS | 50098 | [LoTW] CQ | 1435z 17 Jun |
| JF3EIG | 9M1Z | 14009 | [OC-088] up | 1435z 17 Jun |
| YD0XX | YB0AR | 14257 | [LoTW] CQ USA Live TikTok (YB0AR.QRZ.COM) | 1433z 17 Jun |
| RV0APH | RU9FM | 14175 | CQ CQ CQ | 1433z 17 Jun |
| | EA9AK | 21074 | [LoTW] 73! | 1431z 17 Jun |

options:
[show/hide](#)

statistics:
 so far we have 112677 spot filters created by our users

Follow us on twitter: [@dxwatch](#)

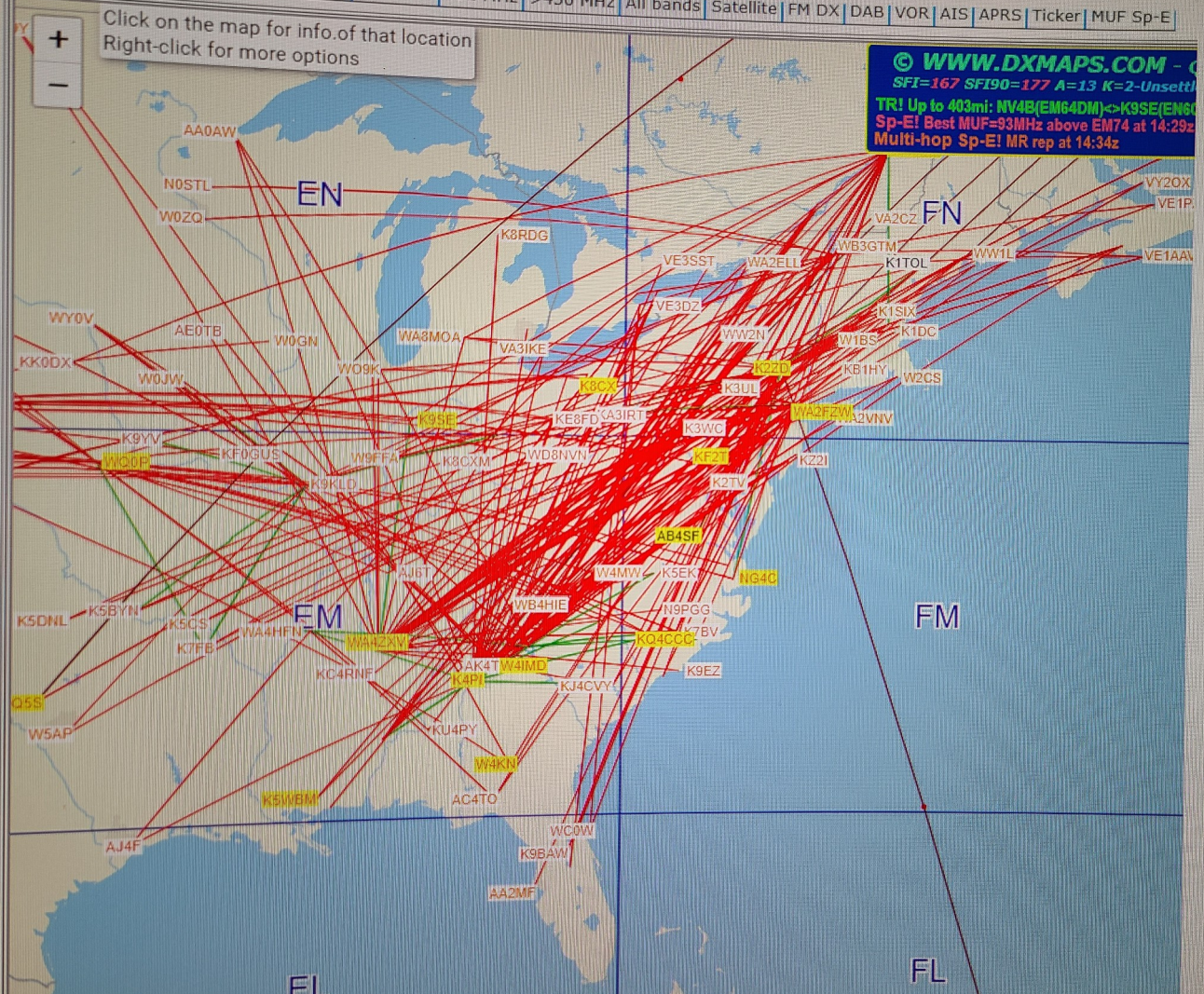
Listed DX ZONE

Donate

3. WWW.Dxmaps.com

This site is more for 10m and up thru the VHF, UHF, Satellite bands. I personally watch this site closely during the 6m season.

The magic band can surprise us many times throughout the year, but luck has a lot to do with it



4. WWW.NG3K.com (announced DX operations)

This site to me as a Dxer, is valuable for preparing for upcoming Dxpeditions and operations. It give the DX country, dates of activation, the operators, and any pertinent info.

[NG3K Home](#) [AD XO](#) [Contest](#) [DXCC](#) [CIS-Pfx](#)

Announced DX Operations: 2024

[\[About AD XO\]](#) [\[AD XO Text Version\]](#) [\[Abbreviations\]](#) [\[RSS\]](#)
[\[Submit a Expedition\]](#)
 iCal DXCAL: <https://www.danplanet.com/dxcal.ics> (Txn to KK7DS)

Active/Upcoming | Expired | Previous Years

[Expired Contest and Special Operations \(1996+\)](#)

Last updated: Monday, 17-Jun-2024 00:10:00 EDT
 [Currently Active Operations]
 [Spots provided courtesy of DX Watch]

| Start Date | End Date | DXCC Entity | Call | QSL via | Reported by | Info |
|-------------|------------|---------------|---|---------------|-------------------------------------|---|
| 2024 | | | | | | |
| May | | | | | | |
| 2024 May24 | 2024 Jun19 | Glorioso Is | FT4GL <small>(spots)</small> | LoTW | DXW Net 20240315 | By FH4VK fm Grande Glorioso I (OTA AF-011), HF, QSL via F4FTV |
| 2024 May30 | 2024 Jun20 | Crete | SV9 <small>(spots)</small> | DK5EW Direct | IDDX 20240419 | By DK5EW as SV9/DK5EW; 6.4m |
| June | | | | | | |
| 2024 Jun05 | 2024 Jun19 | St Martin | FS <small>(spots)</small> | LoTW | DXW Net 20240413 | By K9EL as FS/K9EL; 6m + HF, holiday style operation; QSL via Club Log OQRS (preferred) or K9EL |
| 2024 Jun06 | 2024 Jun22 | Cape Verde Is | D4 <small>(spots)</small> | See Info | 425DXN 20240603 | By DF2WO as D44TWO and DG9KAN as D44KAN fm Sao Tiago I (OTA AF-005), HF, all modes; QSL D44TWO via M00XO OQRS and D44KAN via DG9KAN dir |
| 2024 Jun08 | 2024 Jun20 | Niger | 5U5K <small>(spots)</small> | IK2DUW Direct | 425DXN 20240524 | By IV3FSG; 160-6m, SSB FT8 FT4, some CW |
| 2024 Jun10 | 2024 Jun19 | Iceland | TF <small>(spots)</small> | LoTW | DXW Net 20240609 | By AE5X as TF/AE5X; 20-10m, CW |
| 2024 Jun10 | 2024 Jun19 | Lord Howe I | VK9LA <small>(spots)</small> | LoTW | DXW Net 20240524 | By 160-10m, CW SSB FT8, QSL vi YL2GN |

5. WB7BNM Contest Calendar

WWW.CONTESTCALENDAR/WEEKLYCONT.PHP

This is a site for information on upcoming contests of all kinds. Its tailored for many countries, and modes.

It is formatted in a weekly layout, but you will see its easy to check for months ahead. By clicking on the contest name you can get specific info on the contest and have access to the sponsor website and rules for the contest.

6. [HTTPS://POTA.APP](https://pota.app) (parks on the air)

This site provides information on Parks being activated, activators call, park designation number, Frequency, modes, and times. Its invaluable to me since I like to log all info I can. The site is used by many countries, so Dx is often listed there.

Active Spots *Data will refresh in 57 seconds*
Band: All 43 Mode: All 43 Program: All 48 QRT: Show 43 Hunted: Show 43 Sort: Time

VE1RPX @ CA-6183

- CA-6183 Grand Passage Lighthouse National Heritage Site
- CA-NS
- 14341 kHz
- VE1RPX
- Qrz
- Last heard 10 sec ago at 14:45 UTC

RE-SPOT 16

W0ITT @ US-7666

- US-7666 Davisdale Conservation Reserve
- US-MO
- 14064.2 kHz (CW)
- K07SS-#
- RBN 28 dB 17 WPM via K07SS-#
- Last heard 32 sec ago at 14:45 UTC

RE-SPOT 2

KD8IE @ US-0020

- US-0020 Cuyahoga Valley National Park
- US-OH
- 14047.0 kHz (CW)
- KM3T-3-#
- RBN 6 dB 18 WPM via KM3T-3-#
- Last heard 36 sec ago at 14:45 UTC

RE-SPOT 28

WN5C @ US-1063

- US-1063 Oracle State Park
- US-AZ
- 14063.0 kHz (CW)
- ZF9CW-#

TA1BX @ TR-0056

- TR-0056 İğneada Longoz Ormanları National Park
- TR-KL
- 14236 kHz
- DKSFF

K50HY @ US-4410

- US-4410 White River National Forest
- US-CO
- 14056 kHz (CW)
- K50HY

7. WWW.QRZ.COM

WWW.Hamcall.net

These are call sign lookup and information websites. Most if not all hams use them and I personally access them daily. QRZ provides a service so my logging program fills needed information automatically, such as QSL information. Hamcall might do the same thing.



14:46:41 UTC 17 Jun 2024

Intellitron

Notice IPS Display Clock

GigaParts

Contribute to QRZ

Featured Member

KB7ME

Pro Tips from the Contest Crew

1154 Views 8 Comments

Ham Radio Leadership: Craig Thompson K9CT

2832 Views 10 Comments

17 Jun 2024 1417 GMT

| HF | Conditions | Current Solar Image |
|------------------|------------|---------------------|
| 30m-40m | Fair | |
| 30m-20m | Fair | |
| 17m-15m | Good | |
| 12m-10m | Good | |
| 6m-5m | Good | |
| Sig Noise L1 | 51-92 | |
| HF US Boulder | Height | |
| Solar Flare Prob | 4.6 | |

Solar-Terrestrial Data
Provided by N0NBH

THE LOGGER'S BARK

Radio Club of Tacoma

June Issue: The Logger's Bark Magazine

3368 Views 26 Comments

2024 HALL OF FAME

DL8HCZ / CT1HZE

K3LA K2MGA

2024 CQ Amateur Radio Hall of Fame Inductees Announced

5146 Views 38 Comments

CQ WPX CW: Tips from the Contest Crew

1905 Views 3 Comments

Ham Life with an Amateur

Read our "No YouTube" Ham column!

New! Dave's latest is an interview with Kevin Hester, the ham who developed a fast growing mesh network - one that

NEW HAM JUMPSTART PROGRAM

QRZ

GigaParts

Buckmaster International, LLC HamCall.net

Enter callsign:

- [Home](#)
- [Products](#)
- [HamCall Callsign Database](#)
- [Services/Info](#)
- [About/Contact](#)
- [Shopping Cart](#)

Amateur Radio Products, Services, and Information

HamCall.net is the Amateur Radio Division of [Buckmaster International, LLC](#). See who is on the air right now world-wide with our [DXSpots](#), look up their name and QSL information with our [HamCall Callsign Database](#), talk to the world with our [Multi-band OCF Dipole Antennas!](#)

Have you stumbled onto this site and wonder what amateur (ham) radio is? The ARRL (Amateur Radio Relay League) has a [great introduction](#) on their site. Or check our [Hamfest Calendar](#) to see if there will meet lots of friendly people! We hope you will become a part of this interesting and useful hobby!

Products



[HamCall™ Callsign Database](#) Available on DVD, USB, and as a Download. Updated **each month**, the most current and complete source for over 2.5 million US and DX call signs, etc. from all over the world! HamCall includes a HamCall.net Gold Membership for full access to our [World-Wide HamCall Callsign Server](#).



Buckmaster International, LLC HamCall.net

[HamCall.net Gold Membership](#) A HamCall.net Gold membership supports this website and gives you 24/7 online access to the full 2.4 million US and DX call signs and the HamCall Callsign Database and our [DXSpots](#) service. Access is via your web browser at <https://hamcall.net/call> or through a [logging program that supports HamCall](#). All information is searchable by callsign, name, city, and more!



[World Prefix, Worked All States, and Great Circle Maps](#) Printed on high-quality paper, great for reference and hamshack decoration. World Prefix Maps on sale



**8. <https://hamradiofornontechies.com/current-ham-radio-conditions/>
<https://hamradiofornontechies.com>**

This site helps decipher the solar flux numbers, A index, K index the scientists use for propagation predictions. I look at it just for reference.

It also provides the information window by N0NBH (WWW.N0NBH.com) as an overview of predicted conditions.



http://www.n0nbh.com
 (C) Paul L Herrman 2023

Solar-Terrestrial Data
 17 Jun 2024 1933 GMT
 Earth View From Moon

SFI 167 SN 171
 X-Ray C1.3
 A 13 K 3
 304A 139.9 @ SEM
 Ptn Flx 180
 Efc Flx 2390
 Aur Act 5
 Aur Lat 62.5°
 SW 443.8 Bz -1.6
 S Noise S2-S3
 Geomag UNSETTLD
 EME Deg Fair



Sunlit Map u/HUF Data MHz (5%) - 17 Jun 2024 1929 GMT



http://www.n0nbh.com (C) Paul L Herrman 2023

Contact Us v

Sun's Radiation Output

- 70 – Not Good
- 80 – Good
- 90 – Better
- 100+ – Best

A-Index - Daily Average of Magnetic Activity

- A = 0 – 7 Quiet
- A = 8 – 15 Unsettled
- A = 16 – 29 Active
- A = 30 – 49 Minor storm
- A = 50 – 99 Major storm
- A = 100 – 400 Severe storm

- K = 5 Minor storm
- K = 6 Major storm
- K = 7 Severe storm
- K = 8 Very severe storm
- K = 9 Extremely severe storm

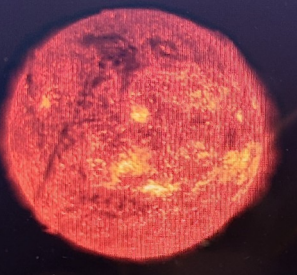
**If you are planning on using the HF bands, the chart below will assist you in knowing the condition of those bands based on the conditions at the time from 10M to 80M.

Solar-Terrestrial Data - http://www.n0nbh.com

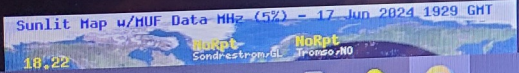
| 17 Jun 2024 1932 GMT | | VHF Conditions | | HF Conditions | |
|----------------------|--------|----------------|-------------|-----------------|-----------|
| Item | Status | Band | Status | Band | Day Night |
| SFI 167 | SN 171 | Aurora | Band Closed | 80m-40m | Poor Fair |
| A 13 K 3/ Pintry | | 6m E&EU | 50MHz ES | 30m-20m | Poor Good |
| X-Ray C1.3 | | 4m E&EU | 70MHz ES | 17m-15m | Good Good |
| 304A 139.9 @ SEM | | 2m E&EU | High HUF | 12m-10m | Good Poor |
| Ptn Flx 180 | | 2m EA&A | Band Closed | Geomag Field | UNSETTLD |
| Efc Flx 2390 | | EME Deg | Fair | Sig Noise Lvl | S2-S3 |
| Aurora 5/m=1.99 | | HUF US Boulder | NoRpt | Solar Flare Prb | 6.6% |
| Aur Lat 62.5° | | MS | 6 | | |
| Bz -1.6 SW 443.8 | | | | | |



Solar-Terrestrial Data
 17 Jun 2024 1922 GMT
 SFI 167 SN 171
 304A 140.5 @ SEM
 A-Ind 13
 K-Ind 3
 X-Ray C1.3
 Ptn Flx 168
 Etc Flx 2630
 Aur Act 5 η_{p} 1.99
 Aur Lat 62.5
 Solar Wind 427.6
 Mag (Bz) -6.8
 S Noise S2-S3
 Geomag UNSETTLD
<http://www.monih.com>
 (C) Paul L Herrman 2023



Solar-Terrestrial Data
 17 Jun 2024 1933 GMT
 Earth View From Moon
 SFI 167 SN 171
 X-Ray C1.3
 A 15 K 3
 304A 139.9 @ SEM
 Ptn Flx 168
 Etc Flx 2390
 Aur Act 5
 Aur Lat 62.5
 SM 443.8 Bz -1.6
 S Noise S2-S3
 Geomag UNSETTLD
 Etc Fair
<http://www.monih.com>
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Key for These Charts

The three main items you want to pay attention to are the **SFI** (Solar Flux Index), the **K-Index** and the **A-Index**.

SFI - Summarization of the Sun's Radiation Output

- 70 - Not Good
- 80 - Good
- 90 - Better
- 100+ - Best

A-Index - Daily Average of Magnetic Activity

K-Index Updated every 3 Hours

- K = 0 Inactive
- K = 1 Very quiet
- K = 2 Quiet
- K = 3 Unsettled
- K = 4 Active
- K = 5 Minor storm
- K = 6 Major storm
- K = 7 Severe storm
- K = 8 Very severe storm
- K = 9 Extremely severe storm

**If you are planning on using the HF bands, the chart below will assist you in knowing the condition of those bands based on the conditions at the time from 10M to 30M

9. [HTTPS://PSKREPORTER.INFO/pskmap](https://pskreporter.info/pskmap)

This site is awesome for displaying where your signal is actually being heard. You can enter what band your on, the mode, and time frame of your operating session, and you can know what band/mode is best for you at a given time.

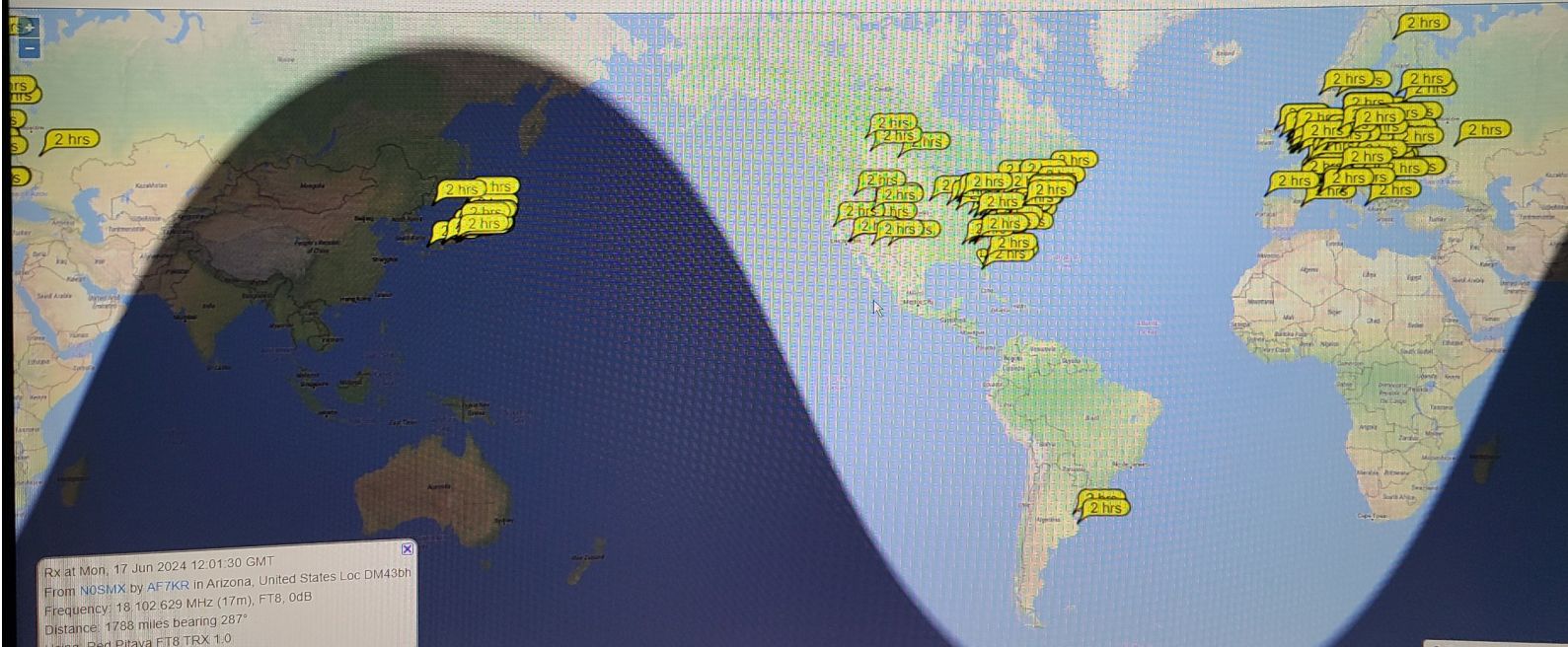
DX cluster / DX spots - dxwatcher | SKCC Sked Page | Display Reception Reports | Ham Call Net Amateur Radio Ph... | Metropolis

https://pskreporterinfo/pskmap

On 17m show signals sent/rcvd by the callsign n0smx using FT8 over the last 3 hours Get Display options Permalink





























































Monitoring N0SMX (last heard 2 hrs ago). Automatic refresh in 5 minutes. 214 reception reports for N0SMX are shown as times (show logbook)

There are 1147 active FT8 monitors: 1129 on 17m, 254 on 15m, 235 on 20m, 199 on 12m, 190 on 10m, 161 on 40m, 159 on 30m, 91 on 6m, 39 on 80m, 12 on 2m, 11 on 60m, 11 on 150m, 4 on 11m, 3 on 600m, 2 on 4m, 1 on 2200m, 1 on 70cm, 1 on 2.4Ghz. Show all on all



10. WWW.HAMALERT.org

One other thing I should mention in an APP I can use on my phone, or computer. Hamalert allows the user to enter callsigns as “triggers” to be alerted when that call is spotted. Its great for finding friends or DX your watching for.

| Conditions | | Actions | Comment | |
|---------------|--------|---------|--|--|
| Callsign | KN4CKD | App |     | |
| Callsign | W4MRJ | App |     | |
| Callsign | KM4ZTE | App |     | |
| Callsign | K8NK | App |     | |
| Callsign | W2TR | App |     | |
| Full callsign | KB9CDM | App |     | |
| Callsign | KA9YKB | App |     | |
| Callsign | AD4K | App |     | |
| Callsign | W3US | App |     | |
| Callsign | K2PS | App |     | |
| Callsign | WB2ART | App |     | |
| Callsign | K4ZDM | App |     | |
| Callsign | WB4CKI | App |     | |
| Callsign | ND8L | App |     | |
| Callsign | K2DM | App |     | |

I hope this gives you food for thought when using a computer in your operating. Its a valuable TOOL in todays Ham Radio World.

73 and Good DX.

- 1. WWW.DXSUMMIT.FI**
- 2. WWW.DXWATCH.com**
- 3. WWW.DxMaps.com**
- 4. www.NG3K.com/misc/adxo.html**
- 5.**

<https://Contestcalendar/weeklycont.php>

**7. www.QRZ.com
Www.Hamcall.net**

8. www.hamradiofornontechies.com

9. www.pskreporter.info/pskmap

10. www.hamalert.org