

Agenda

Introduction

Presentation by José Nunes CT1BOH (48:47)

View of the World

Useful Tools





Introduction

Propagation is a mystery especially when working HF

Is it predictable? May be more than you think and this presentation hopes to equip you with some knowledge and resources.



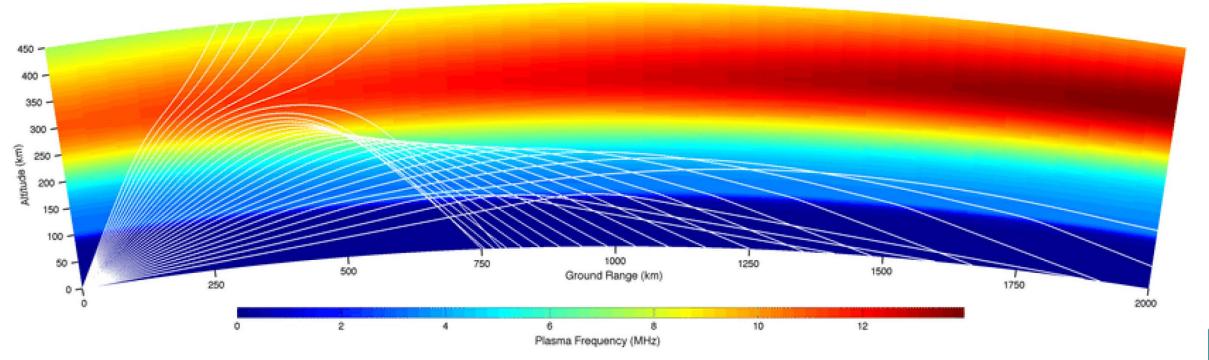
Opening Thoughts

- Realize just because you can hear them does not mean they can hear you and vice versa.
- The planet is not flat

There is nothing magic about propagation

In search of MUF isolines

Contest University

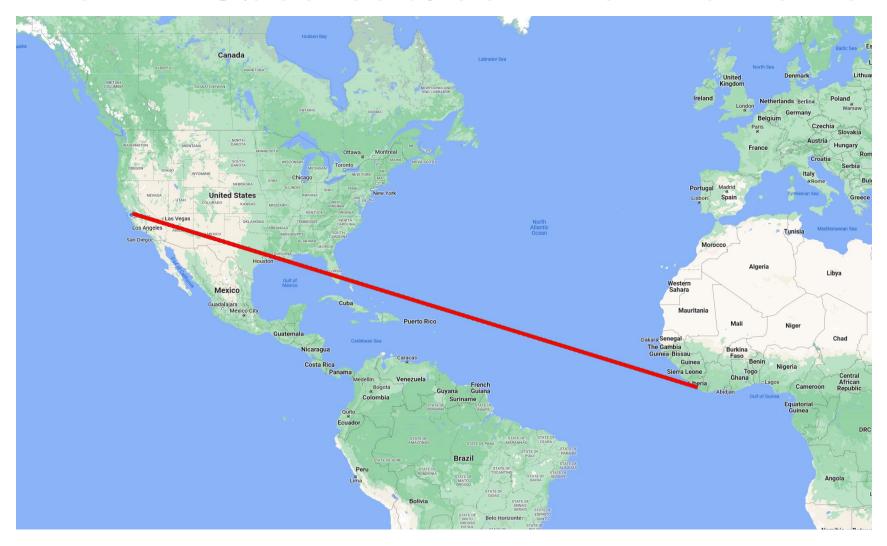


José Nunes – CT1BOH ct1boh@gmail.com

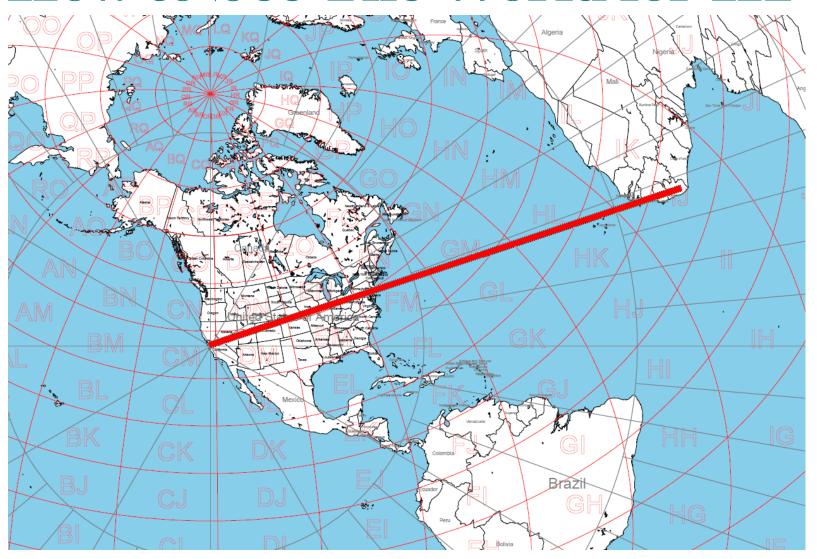
How I Used to See The World for HF



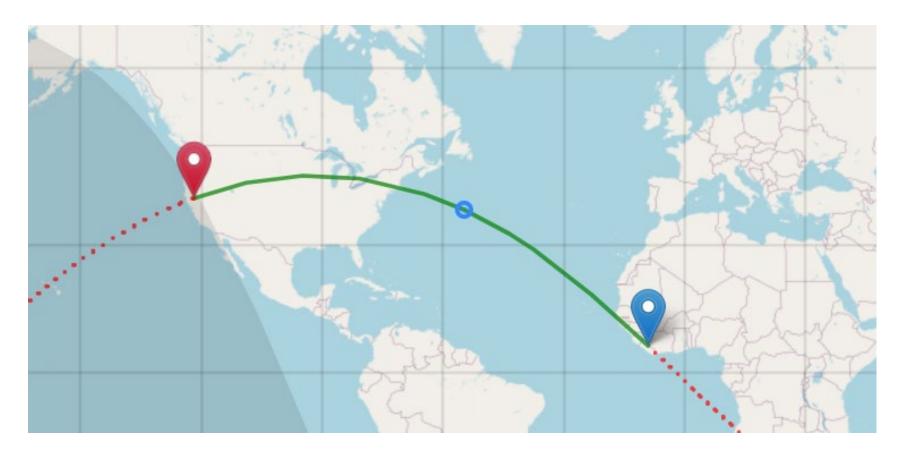
How I Used to See The World for HF



How to See The World for HF



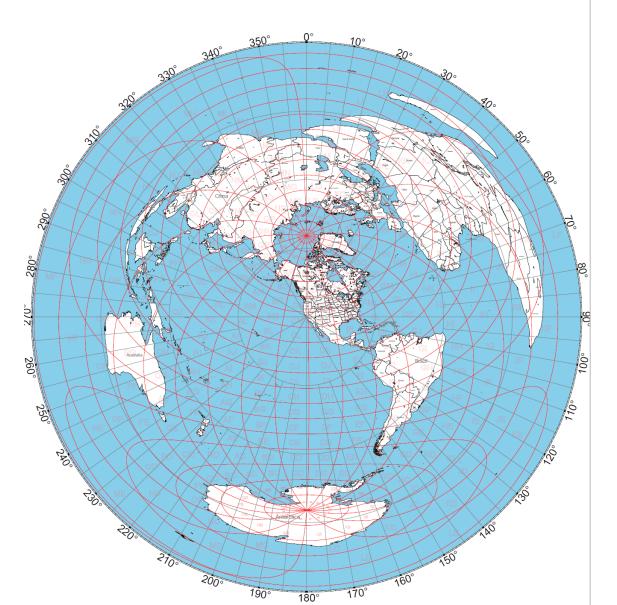
How to See The World for HF



https://www.voacap.com/hf/

Azimuthal Map

Center: 36°49'59"N 121°25'0"W Courtesy of Tom (NS6T)

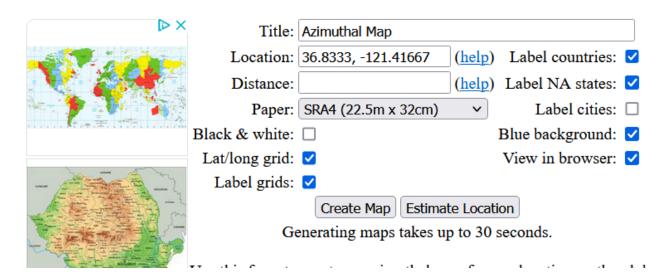


How to See The World for HF

Make an Azmuth Map

Go to: https://ns6t.net/azimuth/

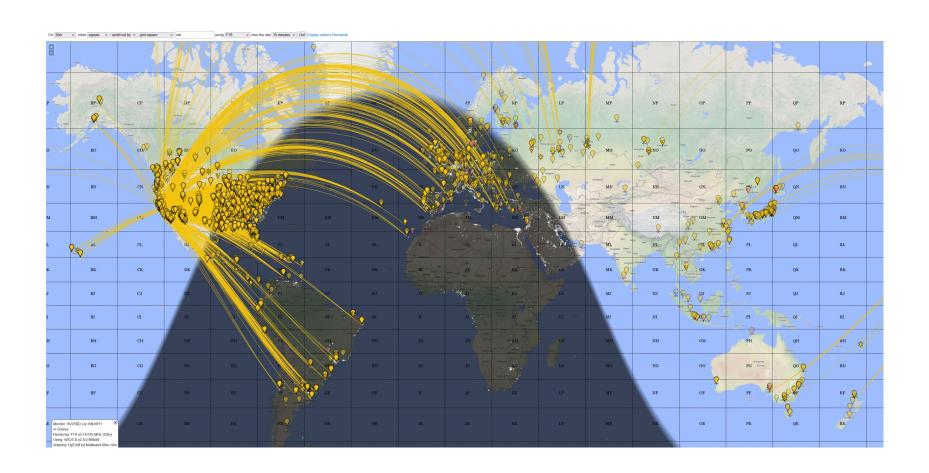
Request an Azimuthal Map



Sample Footer Text 2/8/20XX

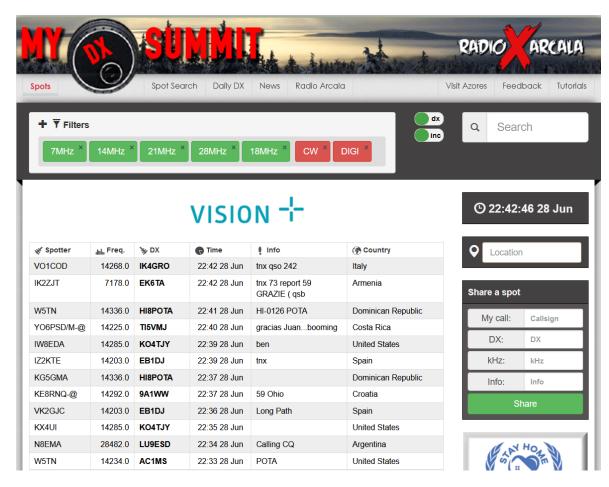
PSKReporter.info

• Go to: https://pskreporter.info/pskmap.html



DXSummit.fi

Go to: http://dxsummit.fi/#/?include=7MHz,14MHz,21MHz,28MHz,18MHz&exclude_modes=CW,DIGI



QSO/SWL real time maps and lists

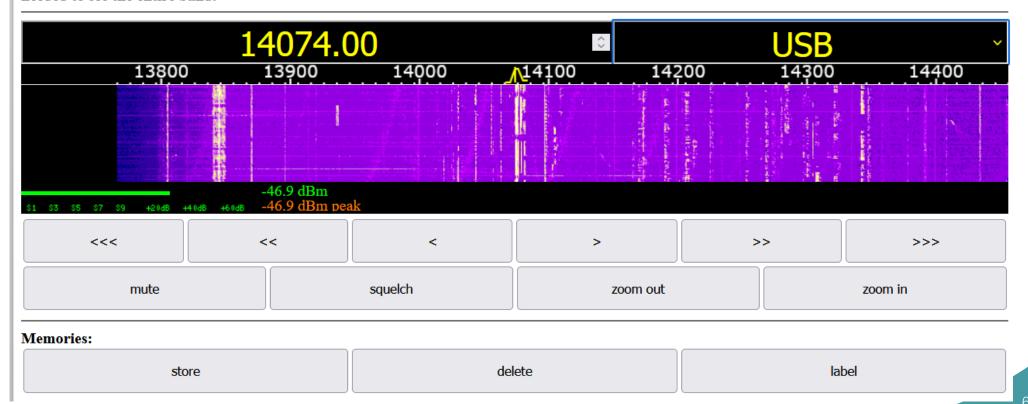
• Go to: https://www.dxmaps.com/spots/mapg.php?Lan=E&Frec=18&ML=L&Map=NA&HF=S&DXC=DCING2&GL=N

DXMAP5 Site Personal Radio Software DX maps	DX news Search Search Translate W6TST
DXMAPS 4.2 - QSO/SWL real time information 🜪 🙉	
Map List Graph Chat Europe Africa N.America S.America	Asia Oceania World No layer Select options Modes
LF - HF VHF & up 2200 m 630 m 160 m 80 m 60 m 4	10 m 30 m 20 m 17 m 15 m 12 m 10 m All bands Ticker
WWW.DXMAPS.COM 22:49z WWW info: SFI=96 SFI90=128	A=8 K=2-Unsettled SWX=Quiet AUR=31 GW
2022-06-28 22:43 LW2EDM (FF81VH) 21.074.7 FT8 N0GJW (EN41)	LoTW 5827 mi FT8 Sent -05 Rcvd -11
2022-06-28 22:39 LW2EDM (FF81VH) 21.074.7 FT8 AA7EW (DM41VK)	LoTW eQSL 5741 mi FT8 Sent -18 Rcvd -21
2022-06-28 22:36 LW2EDM (FF81VH) 21.074.7 FT8 NT9P (DM33SH)	LoTW 5923 mi FT8 Sent -13 Rcvd -15
2022-06-28 22:26 LW2EDM (FF81VH) 21.074.7 FT8 KC4ONA (CN86)	eQSL 6977 mi FT8 Sent -17 Rcvd -11

KFS WebSDR Mobile

Go to: http://websdr1.kfsdr.com:8901/m.hml

This is the mobile version of the <u>KFS WebSDR</u>. It should work using Safari on iOS devices, and Firefox on Android devices. Tuning is different from the normal WebSDR: do not drag the yellow filter curve, but the waterfall. More information about this system can be found <u>here</u>. **Be sure to zoom out as needed to see the entire band.**



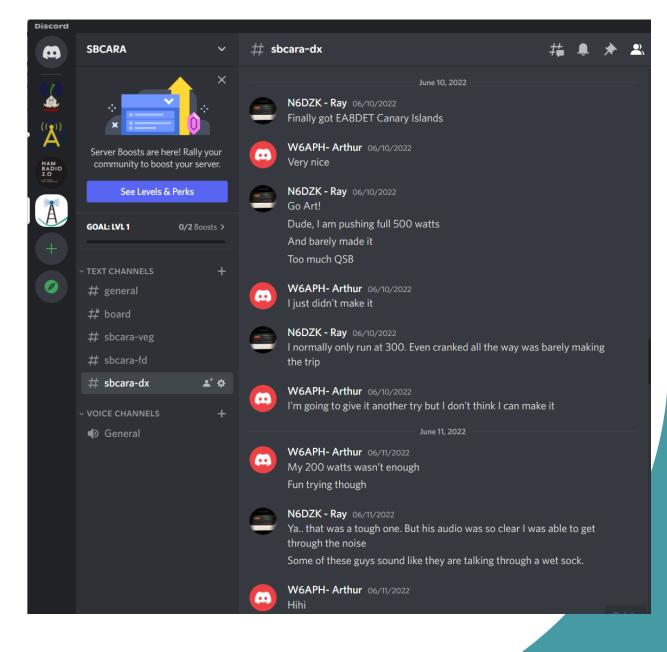
Space Weather Woman - Dr. Tamitha Skov

• Go to: https://www.spaceweatherwoman.com





- Coordinate and communicate
 Join a communication channel if available.
 - Discord Channel SBCARA/DX for example
 - https://discord.gg/qXPg7XfAWy
- Use Websites and Apps



Sample Footer Text 2/8/20XX

Summary

- Use tooling to help
- Plug into information
- Get on the Air!





Thank You

https://sbcara.org