Tableaux DX

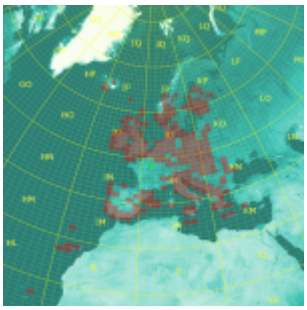
Cet article est consacré aux meilleures performances réalisées sur les différentes bandes sur lesquelles je suis ou ai été actif. Elles sont agencées sous forme de tableaux et de cartes.

Dernière mise à jour : **17 janvier 2022**

70 MHz (Bande 4m), entre le 01/12/2009 et le 01/11/2016

70 MHz		
# Carrés	# Champs	# DXCC
276	15	49

70 MHz DX par mode de propagation				
Mode	ODX (km)	Indicatif	Date	Locator
Tropo	1428	OY9JD	10/10/2010	IP62OA
Aurore	1009	GM4JYB	15/03/2012	IO88HP
E sporadique	4471	D44TD	09/07/2010	HK86NO
Météor-Scatter	2014	OH5LID	13/08/2011	KP51AT



Cliquez sur la carte pour l’agrandir (les carrés en vert sont des carrés contactés en cross-bande 70/144 MHz).

144 MHz (Bande 2m), depuis le 01/05/1988

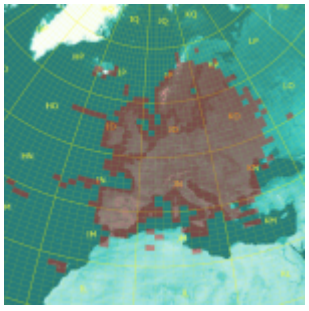
144 MHz			
	# Carrés	# Champs	# DXCC
EME exclu	599	18	72
EME inclus	997	94	160

144 MHz DX par mode de propagation				
Mode	ODX (km)	Indicatif	Date	Locator
Tropo	2991	CU8AO	16/05/2011	HM49KL
Aurore	1936	RA3LE	29/10/2003	KO64AR
E sporadique	3038	EA8/DL6FAW	16/07/2006	IL18AT
Météor-Scatter	2247	OH8K	19/11/2002	KP55AS
Météor-Scatter + Tropo maritime	3018	EA8TX	14/05/2015	IL18QI
Aurore E	1979	SM2CEW	22/06/2015	KP15CR
FAI	1390	YU1EV	21/06/2015	KN04CN
Iono-Scatter	1693	OH4LA	22/07/2016	KP20LG
EME	18828	ZL4PLM	25/02/2012	RE66DL

144 MHz Diplômes			144 MHz EME		
WAC	WAS	DDFM	# Initials	CW	Digital
6/6	50/50	95/96	Sans élév.	13	303
			Total	16	1014

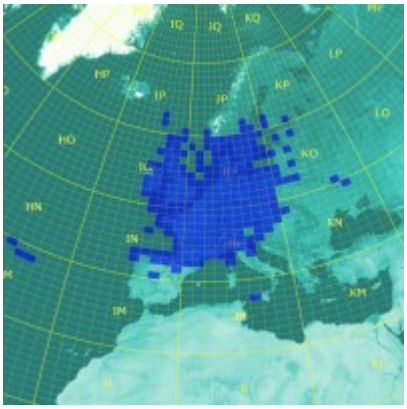
Exactement 25 ans après l'obtention de ma licence de radio-amateur (le 30/11/1987), j'ai reçu le 1/12/2012 mon certificat (n° 97) relatif au DXCC 2m. Il est le résultat de nombreux efforts…et de l'évolution technologique (EME numérique). Cet objectif a été atteint avec pas plus de 300W et maximum 15,5 dBd de gain d'antenne. Parmi les 100 DXCC's, 99 ont été contactés avec une antenne sans élévation.







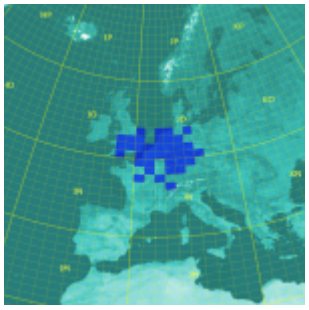
Cliquez sur les cartes pour agrandir. A gauche uniquement les carrés contactés par modes de propagation terrestres, pas d'EME. A droite mon diplôme Worked All States (WAS) obtenu le 27/10/2017.



1296 MHz (Bande 23cm), entre le 07/03/1998 et 2002

1296 MHz		
# Carrés	# Champs	# DXCC
38	4	6

1296 MHz DX par mode de propagation				
Mode	ODX (km)	Indicatif	Date	Locator
Tropo	642	DL1SUZ	02/05/1999	JO53UN



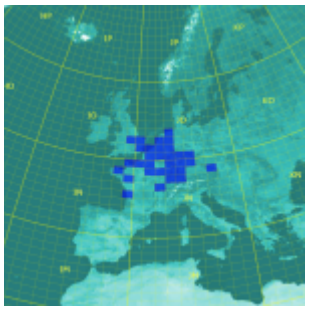
Cliquez sur la carte pour agrandir.

10368 MHz (Bande 3cm), entre le 01/05/1999 et 2002 et à nouveau à partir du 01/08/2021

10368 MHz		
# Carrés	# Champs	# DXCC
31	4	7

10368 MHz DX par mode de propagation

Mode	ODX (km)	Indicatif	Date	Locator
Tropo	783	OE5VRL	20/11/2021	JN78DK
Rain-Scatter	651	F4BKV	14/09/2021	IN95PP



Cliquez sur la carte pour agrandir.

DX standings

This post is dedicated to the best achievements made on the bands I'm active or have been active. These are made up of tables and maps.

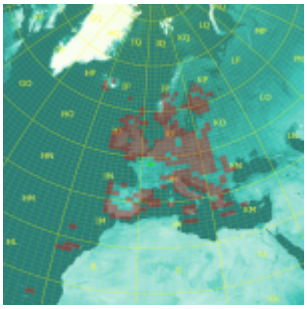
Last update : **17th January 2022**

70 MHz (Band 4m), between 01/12/2009 and 01/11/2016

70 MHz		
# Squares	# Fields	# DXCC
276	15	49

70 MHz DX per propagation mode

Mode	ODX (km)	Callsign	Date	Locator
Tropo	1428	OY9JD	10/10/2010	IP62OA
Aurora	1009	GM4JYB	15/03/2012	IO88HP
E sporadic	4471	D44TD	09/07/2010	HK86NO
Meteor-Scatter	2014	OH5LID	13/08/2011	KP51AT



Click on the map to enlarge (the squares in green are squares worked in 70/144 MHz cross-band).

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144 MHz (Band 2m), since 01/05/1988

144 MHz			
	# Squares	# Fields	# DXCC
EME excluded	599	18	72
EME included	997	94	160

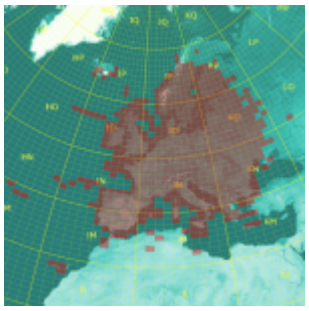
144 MHz DX per propagation mode				
Mode	ODX (km)	Callsign	Date	Locator
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Aurora	1936	RA3LE	29/10/2003	KO64AR
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Meteor-Scatter + sea Tropo	3018	EA8TX	14/05/2015	IL18QI
Auroral E	1979	SM2CEW	22/06/2015	KP15CR
FAI	1390	YU1EV	21/06/2015	KN04CN
Iono-Scatter	1693	OH4LA	22/07/2016	KP20LG
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144 MHz Diplomas			144 MHz EME		
WAC	WAS	DDFM	# Initials	CW	Digital
6/6	50/50	95/96	w/o elev.	13	303
			Total	16	1014

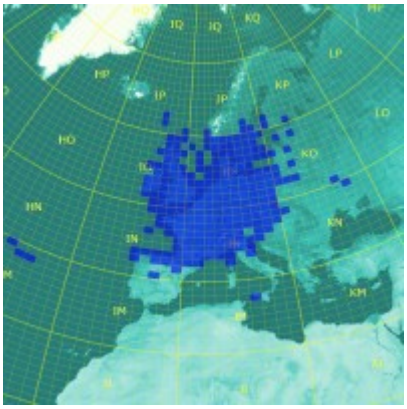
Exactly 25 years after having obtained my ham radio license (on 30/11/1987), I received on 1/12/2012 my DXCC certificate (n° 97). It is the result of a lot of efforts…and technological evolution too (digital EME). This objective has been achieved with no more than 300W and maximum 15,5 dBd of antenna gain. Amongst the 100 DXCC's, 99 have been worked with a single antenna and without elevation.







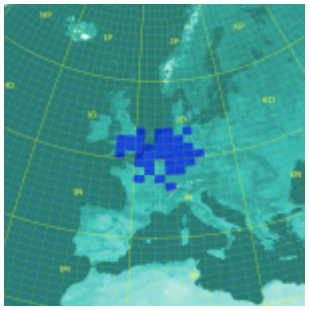
Click on the maps to enlarge. On the left, only the squares worked by terrestrial propagation modes are shown, no EME. On the right, my Worked All States (WAS) award obtained on 27/10/2017.



1296 MHz (Band 23cm), between 07/03/1998 and 2002

1296 MHz		
# Squares	# Fields	# DXCC
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1296 MHz DX per propagation mode				
Mode	ODX (km)	Callsign	Date	Locator
Tropo	642	DL1SUZ	02/05/1999	JO53UN

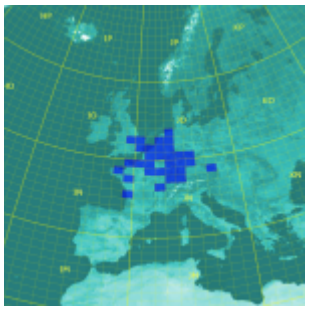


Click on the map to enlarge.

10368 MHz (Band 3cm), between 01/05/1999 and 2002 and back as from 01/08/2021

10368 MHz		
# Squares	# Fields	# DXCC
31	4	7

10368 MHz DX per propagation mode				
Mode	ODX (km)	Callsign	Date	Locator
Tropo	783	OE5VRL	20/11/2021	JN78DK
Rain-Scatter	651	F4BKV	14/09/2021	IN95PP



Click on the map to enlarge.

CU8 <> ON Tropo path on 144

MHz

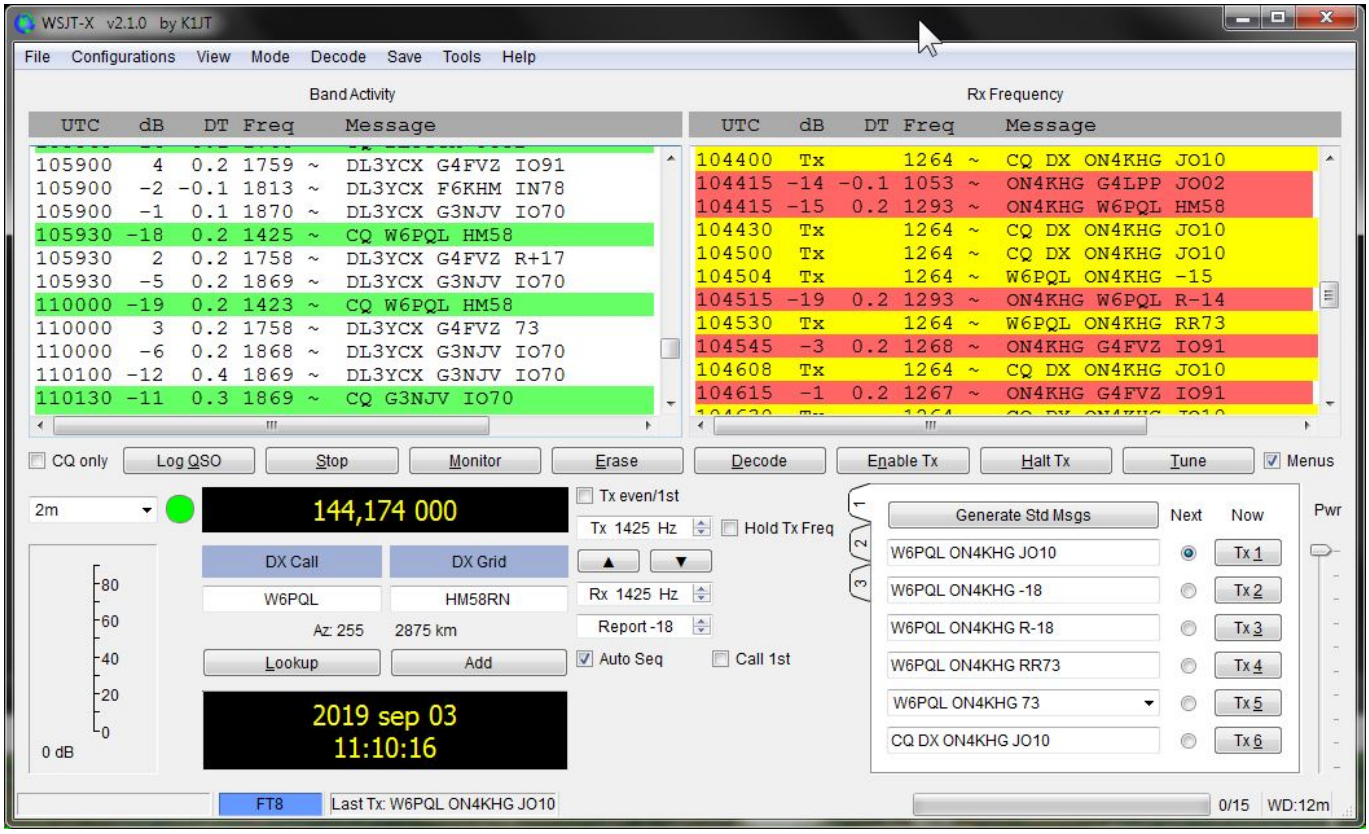
On Tuesday September 3rd, 2019, I have been lucky enough to work **CT8/W6PQL on 144 MHz in FT8 (QRB 2875 km) in Tropo**. James is active in August/September 2019 from his holiday house on Pico Island (HM58RN) in the Azores archipelago.



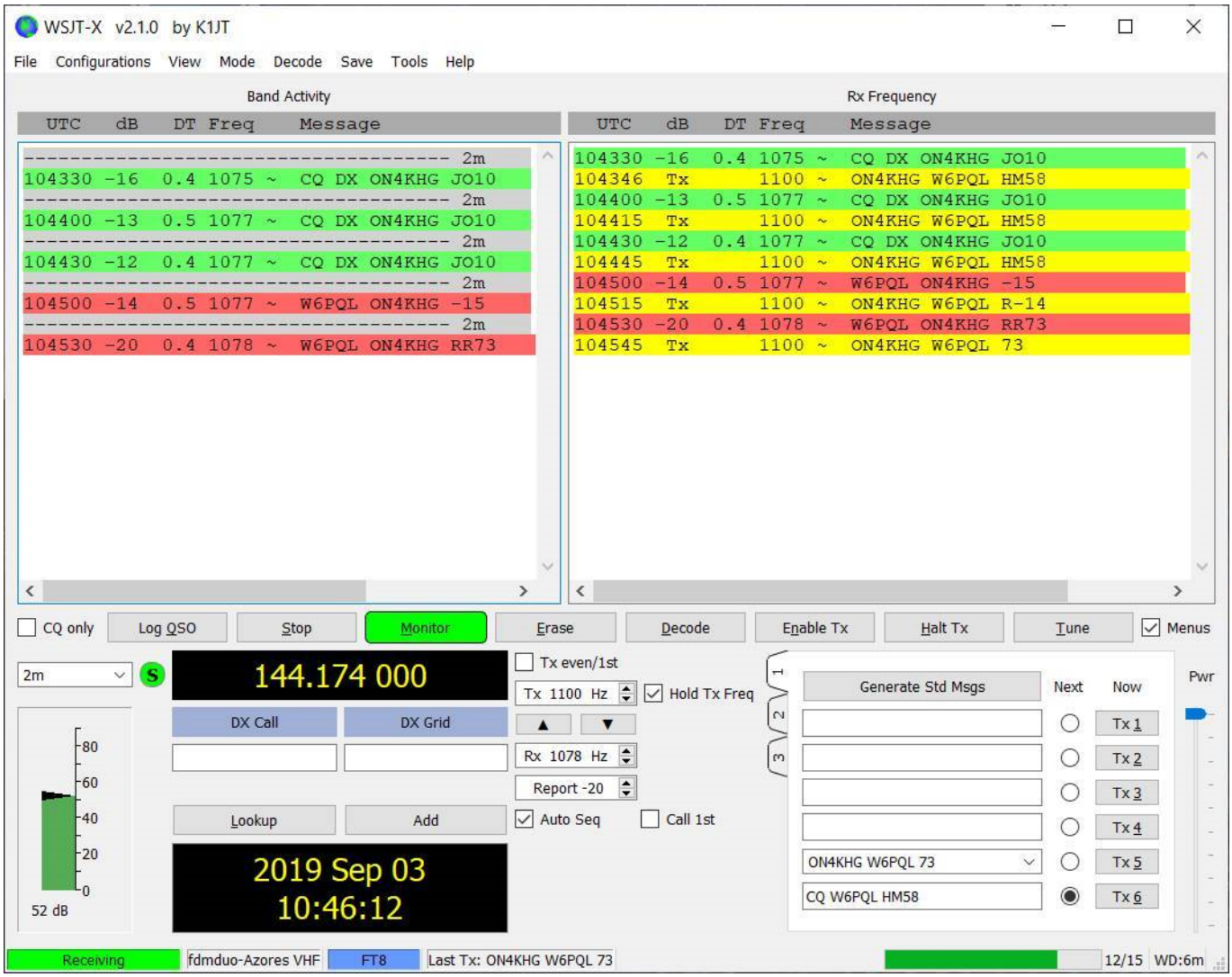
From HM58, James was so far active mostly in EME with 2x10el Xpol and 1kW. I worked James already last year and one week ago in EME. I wasn't aware James was also active in Tropo. So, when I saw the spot of F8DBF (IN78) highlighting a QSO with CT8/W6PQL, I turned my antennas towards Azores, tuned my transceiver on 144.174 MHz and started calling "CQ DX ON4KHG JO10" in FT8, without too much hope…

After a few sequences, and despite some non-DX stations were calling me (a real problem in FT8 sometimes…), I couldn't believe my eyes, CT8/W6PQL was calling me ! Actually, "W6PQL" was calling. Indeed, James is used to EME JT65 operation and in JT65, a callsign like "CT8/W6PQL" isn't supported (I think). In FT8, "CT8/W6PQL" is well supported but then the QRA locator isn't sent (exchanging the QRA locator isn't mandatory for a valid QSO according to the IARU however). Since the callsign

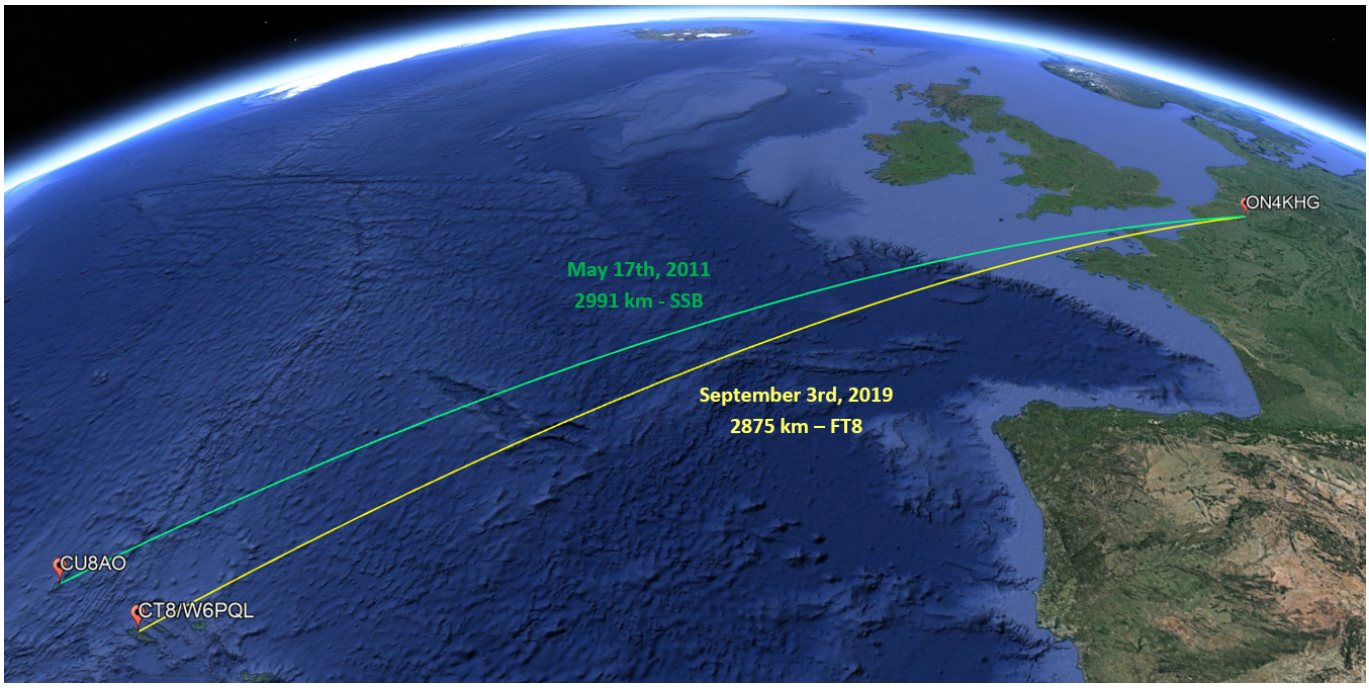
was truncated, a few ones (against digital modes) will probably claim the QSO wasn't valid (or just not valid at all because being in FT8 ;o). Well, it is just a matter of software "misuse" (if the callsign of James would have been CT8XYZ, there wouldn't be any discussion) and most important, the propagation path was open, allowing distant stations to exchange a minimum set of information for a valid QSO. So, from my own perspective there is no question the QSO is complete or not,… it is ! After our QSO, I saw James calling again, as can be seen on the screenshot below seen from my station :



James sent me the screenshot of our QSO from his station :



The strongest James received me was -12dB (in a 2500 Hz BW) and me -15dB from him. This shouldn’t have been strong enough to sustain a CW QSO. This is the second time I work Azores on 144 MHz in Tropo.



The first time was on May 17th, 2011, when I worked Fred, CU8AO (HM49KL) in SSB over a 2991 km path. The CU8DUB beacon was then audible here quite strong for hours :

http://on4khg.be/wordpress/wp-content/uploads/2019/09/CU8DUB-B_NB-Tropo-17052011.mp3

CU8AO calling DX on May 17th, 2011 :

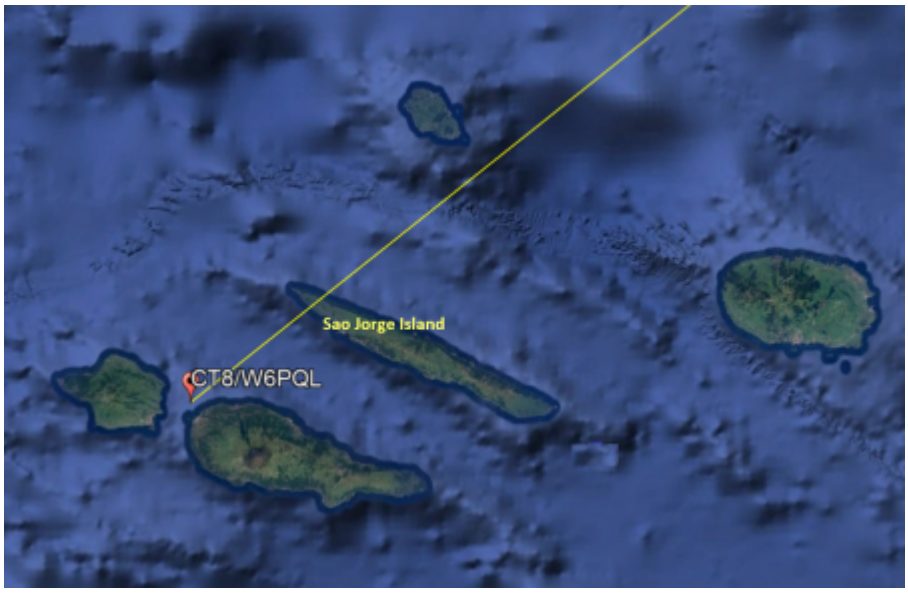
http://on4khg.be/wordpress/wp-content/uploads/2019/09/CU8AO-ON4KHG-16052011-144MHz.mp3

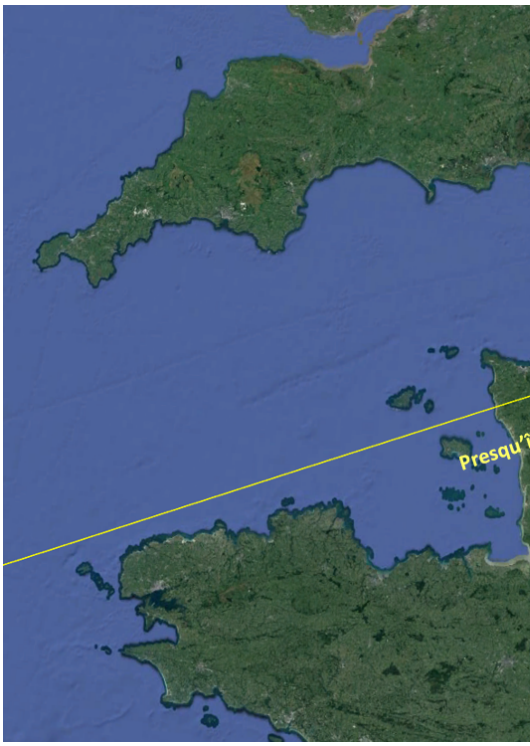


Frank, PA4EME, heard CU8DUB too over 3150 km. One year before, on September 14th,

2010, the same beacon was heard 529 in Belgium by Michel, ON4POO, and CU8AO made several QSO’s with UK and French stations on the Atlantic coast, but none with Belgium.

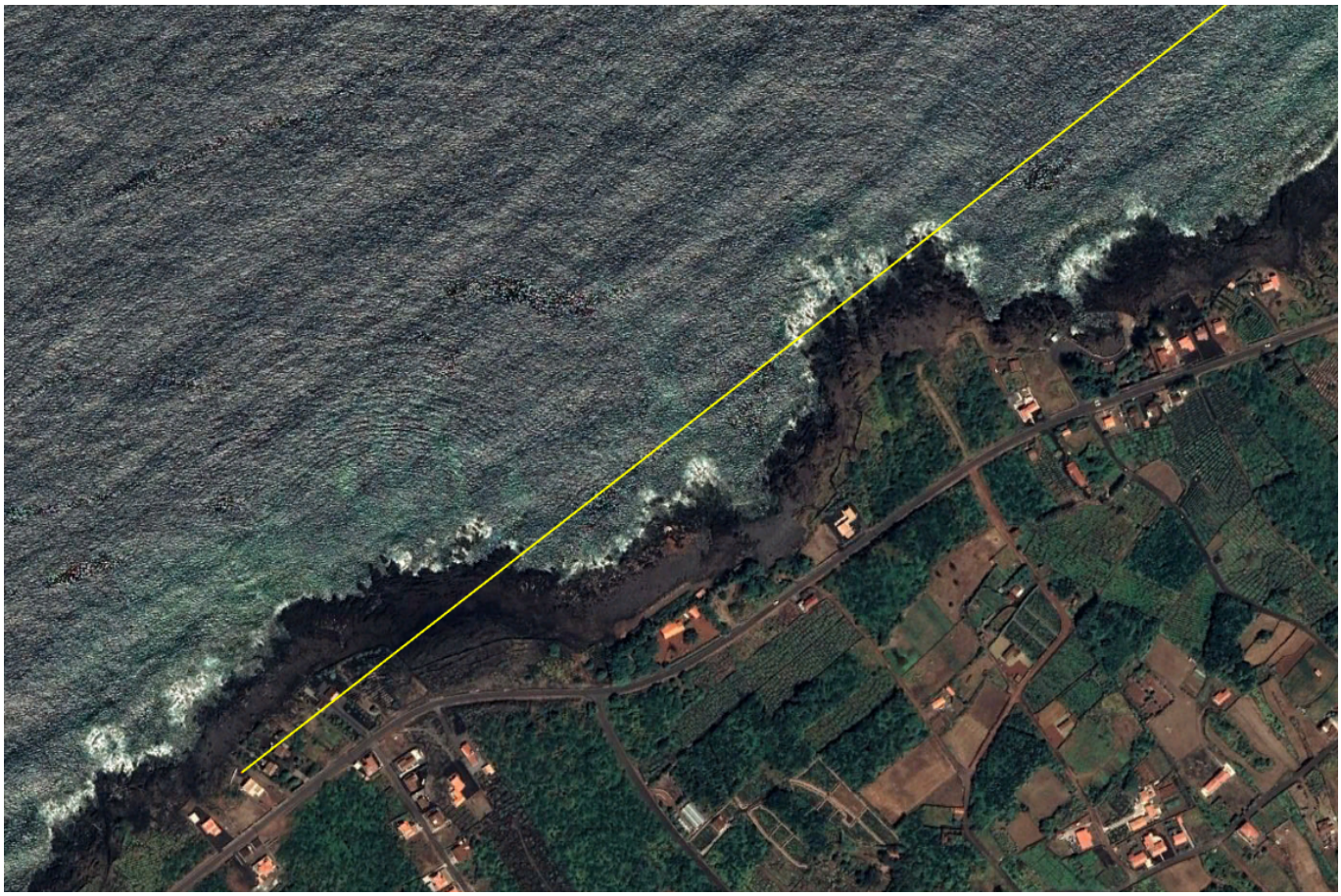
For my 2 QSO’s with Azores, the path wasn’t totally over the sea. To the QTF of Azores, I’m living 180 km inland. For the QSO with CT8/W6PQL, the path was even more further interrupted by lands at two occasions, the French “presqu’île du Cotentin” (Normandy) and at James’ side the Sao Jorge Island.



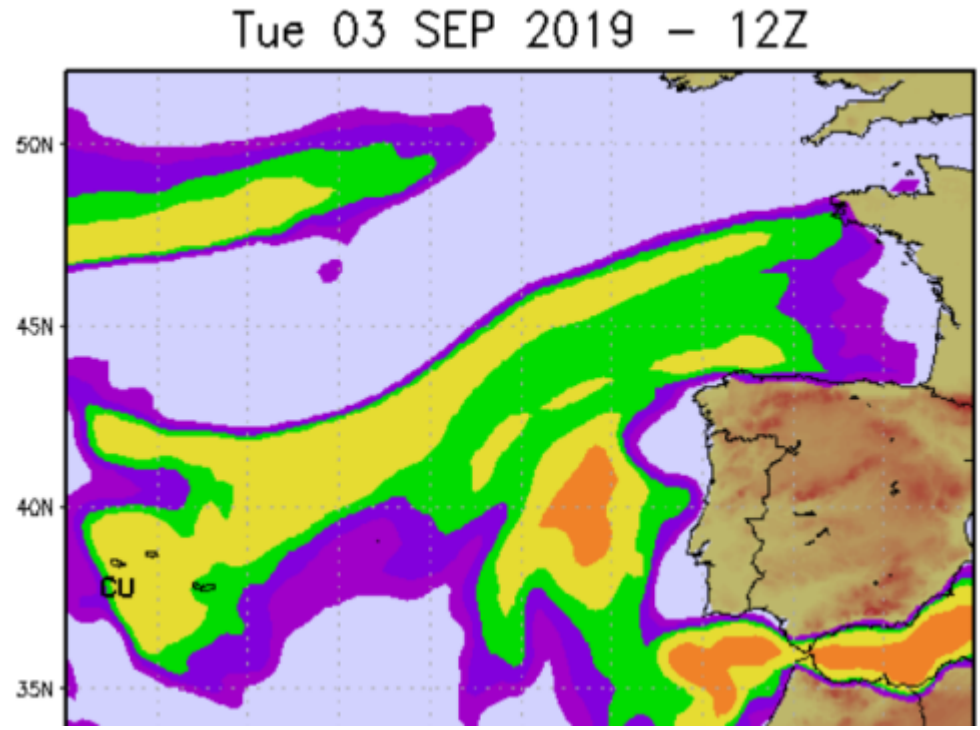


Right after the QSO with James, CT8/W6PQL, I listened to the French beacon F5ZSF in Brittany (IN88) on 144.409. It wasn’t stronger than usual, just about normal (539 or so).

Path to ON from James’house in CT8 :



The F5LEN tropo forecast indicated a strong tropo enhancement between Azores and Brittany, but not extending any further. This forecast turned out to be quite reliable however !



So, beside the now famous UK/EI <> EA8/D4 path, the CU8 <> F/UK/ON path deserves attention though the CU8DUB beacon isn’t active anymore unfortunately.