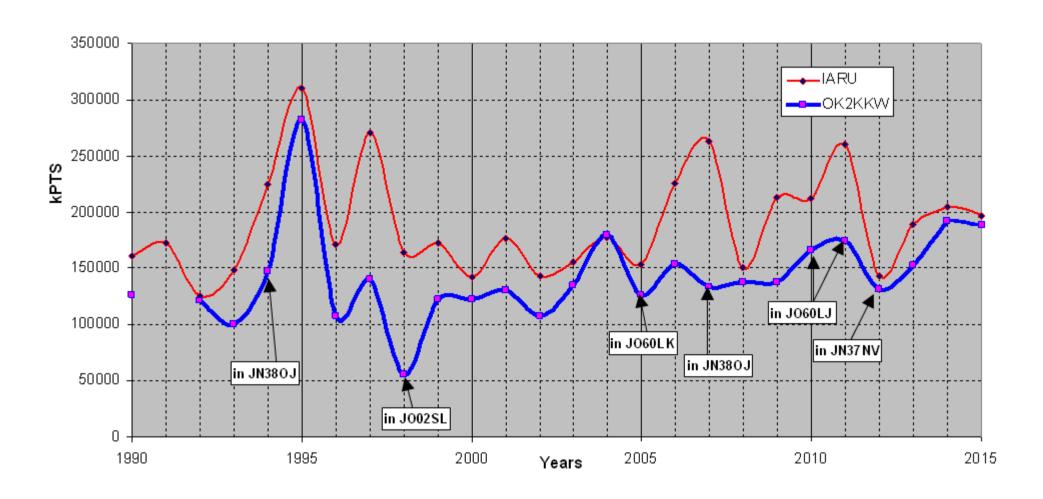


432 MHz – results of OK2A (OK2KKW)

In comparison with the winner of IARU R1 MULTI



UHFC 2015

432 MHz – antennas

	OK2A (25m coax)	DL0GTH (15m coax)	DR9A (50m coax)	OL3Z (40m coax)
From 360°	total 133°	total 133°	total 126°	total 166°
system 1	33el K1FO [17,7dBd 17°]	4x13el flex [18,2 dBd 28°]	6x11el ZB [20,5dBd 31°]	8x 9el ZB [17,7dBd 36°]
system 2	4x10el W [17,7dBd 36°]	4x13el flex [18,2 dBd 28°]	6x11el ZB [20,5dBd 31°]	8x 9el ZB [17,7dBd 36°]
system 3	4x10el W [17,7dBd 36°]	2x 25jxx70 [19,0 dBd 23°]	6x11el ZB [20,5dBd 31°]	8x 9el ZB [17,7dBd 36°]
system 4	12x6el ZB [20,0dBd 44°]	8xdQUAD [12 dBd 54°] ?	4x16el ZB [20,5dBd 24°]	8x 9el ZB [17,7dBd 36°]
system 5			8x23el ZB [24,5dBd 9°]	4x22el M2 [21,2dBd 11°]
system 6				8x22el M2 [24,0dBd 11°]

Gain of antennas and angle of first lobe for -3dB was calculated due to VK3UM EME calculator, the calculation is trying to achieve real figures as much as possible so I took in sum as well as attenuation of H1000 cables used for phasing.

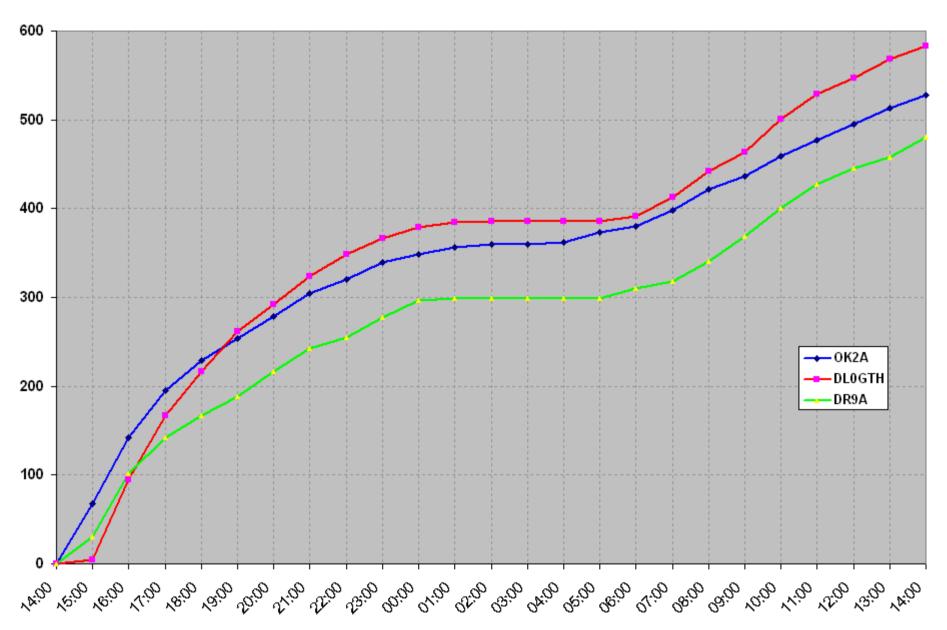
For the info (for TX):

2x the same ant = real gain of ~2,5dB gain of 10el WIMO = gain of 9el DK7ZB 20dB = 100x bigger radiated power 23dB = 200x bigger radiated power Attenuation for 700W in the shack: 25m H1000 koaxu = 2,1dB = 432W

25m 1/2" koaxu = 1,2dB = 531W 25m 7/8" koaxu = 0,6dB = 610W

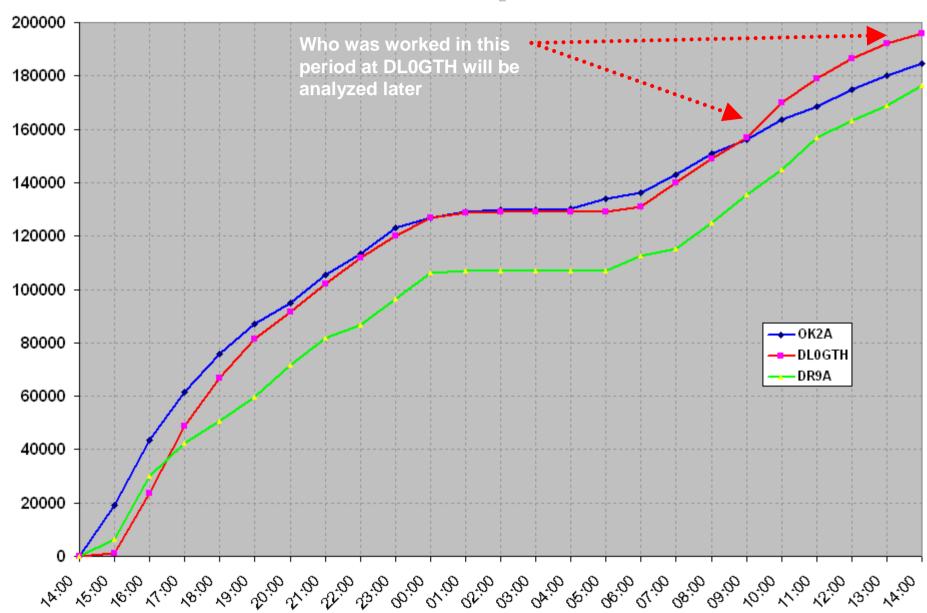
UHFC 2015

432 MHz - number of QSOs



UHFC 2015

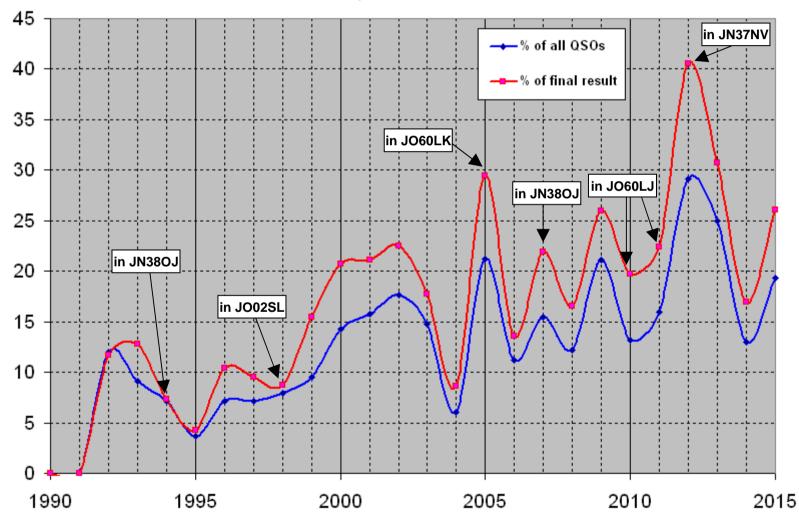
432 MHz – number of points



UHF/SHF Contest – 432 MHz CW

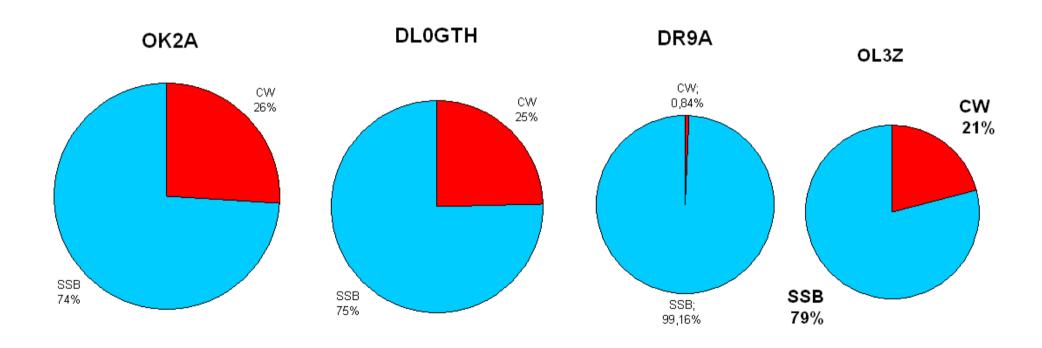


- % of points for CW QSOs related to the final result
- % of points for CW QSO related to the total number of all QSOs
- less % CW QSO = better tropo condx or better QTH



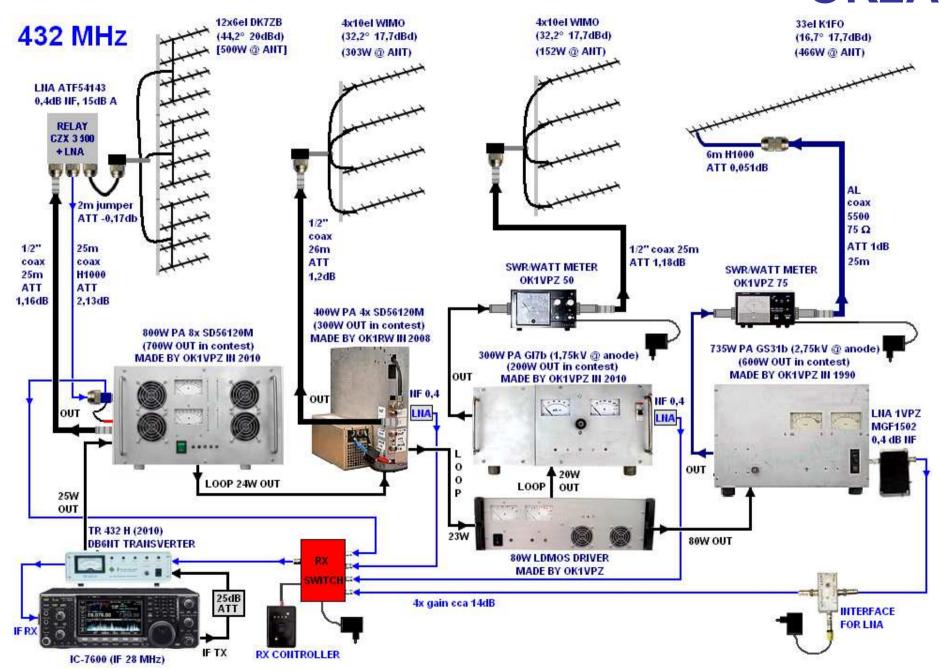
UHF/SHF Contest - 432 MHz CW

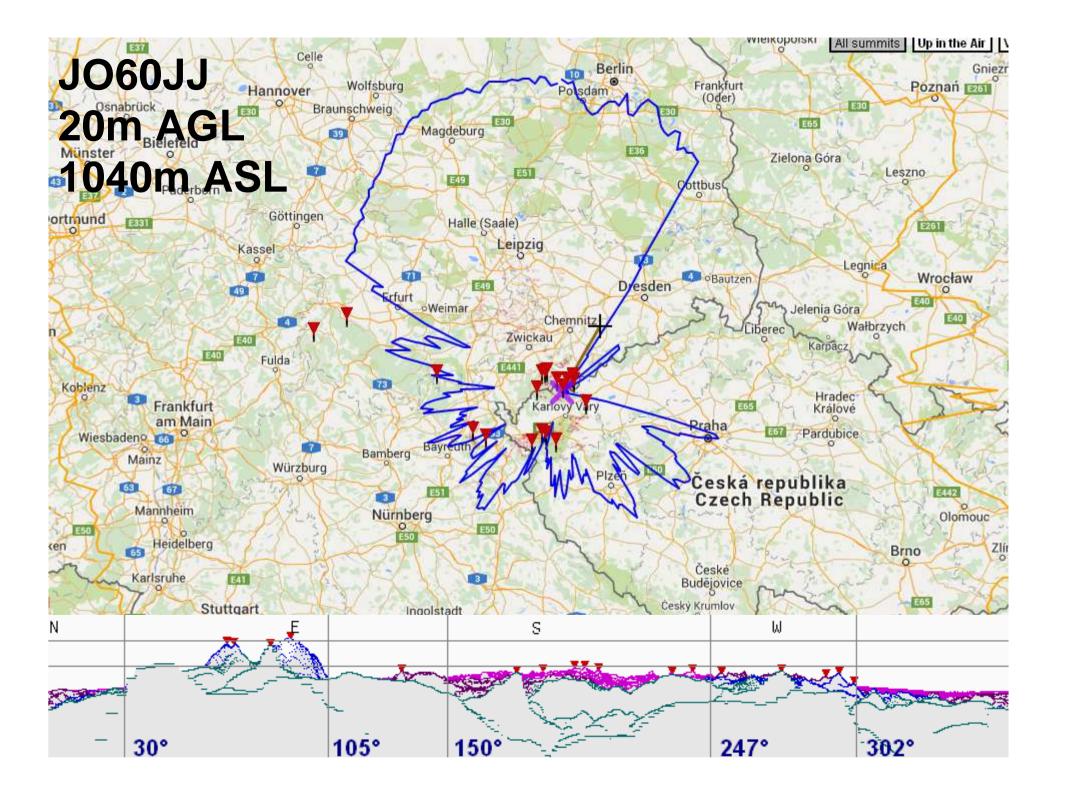
• % of points related to CW QSOs from the final result

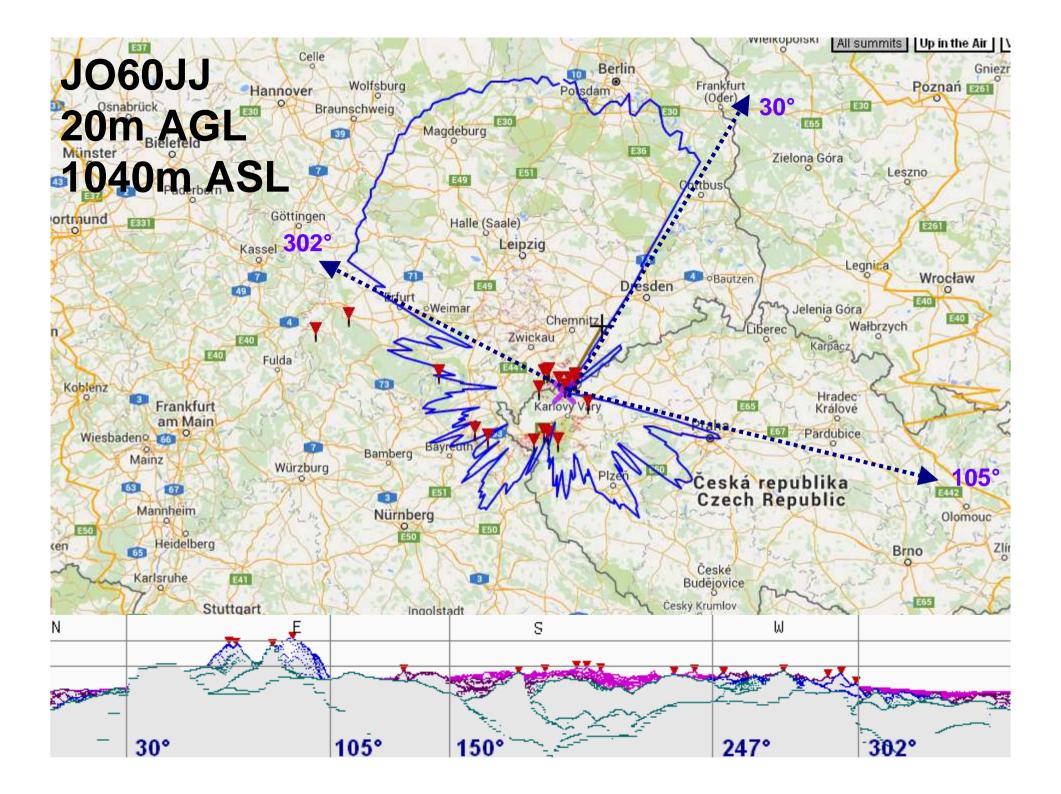




OK2A

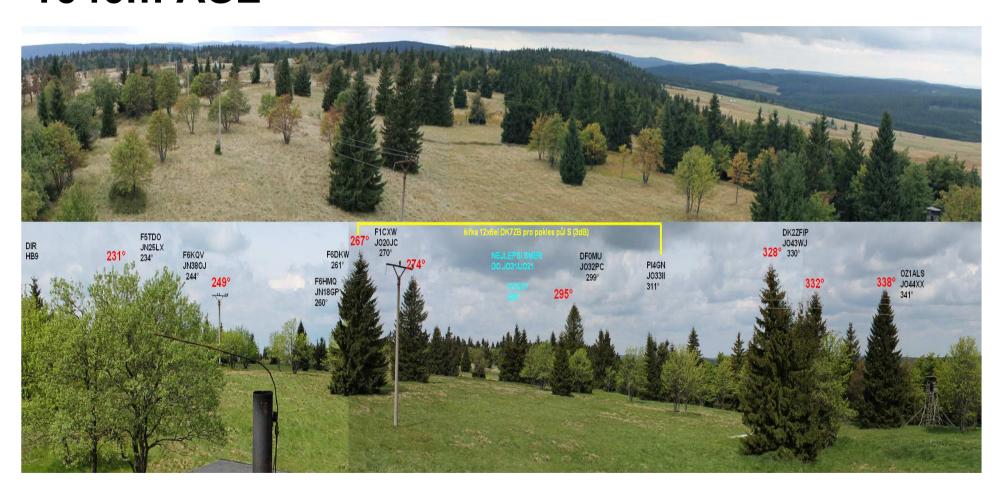


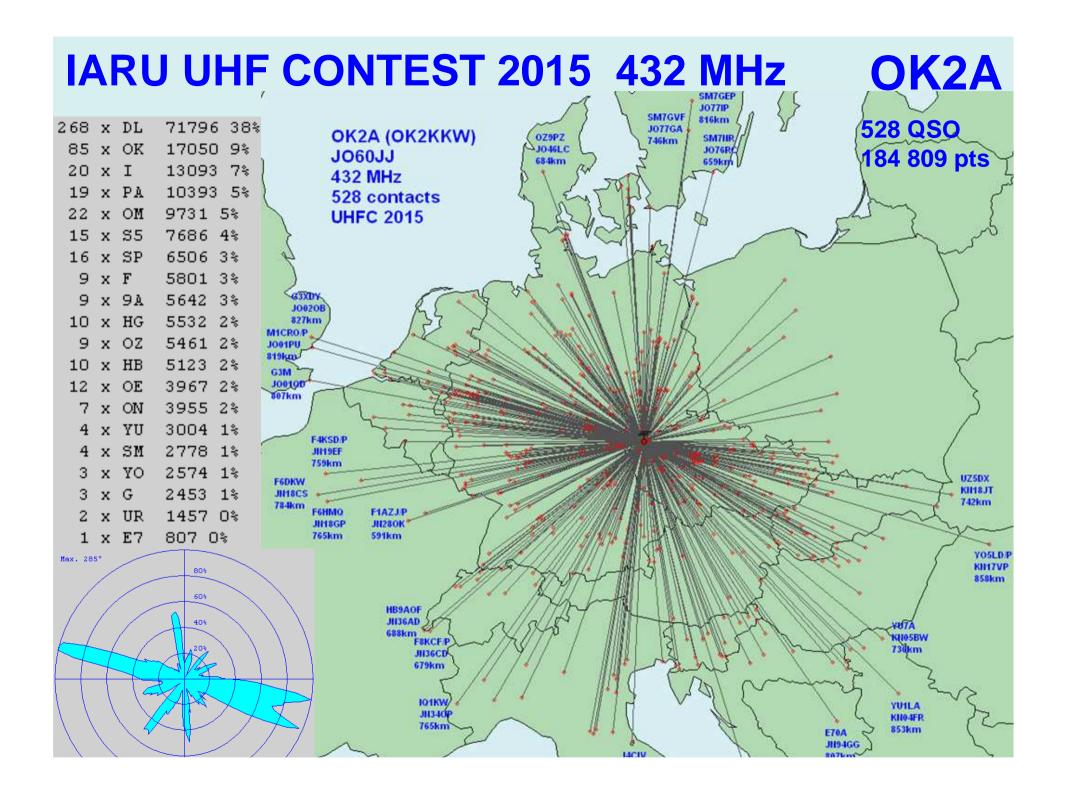


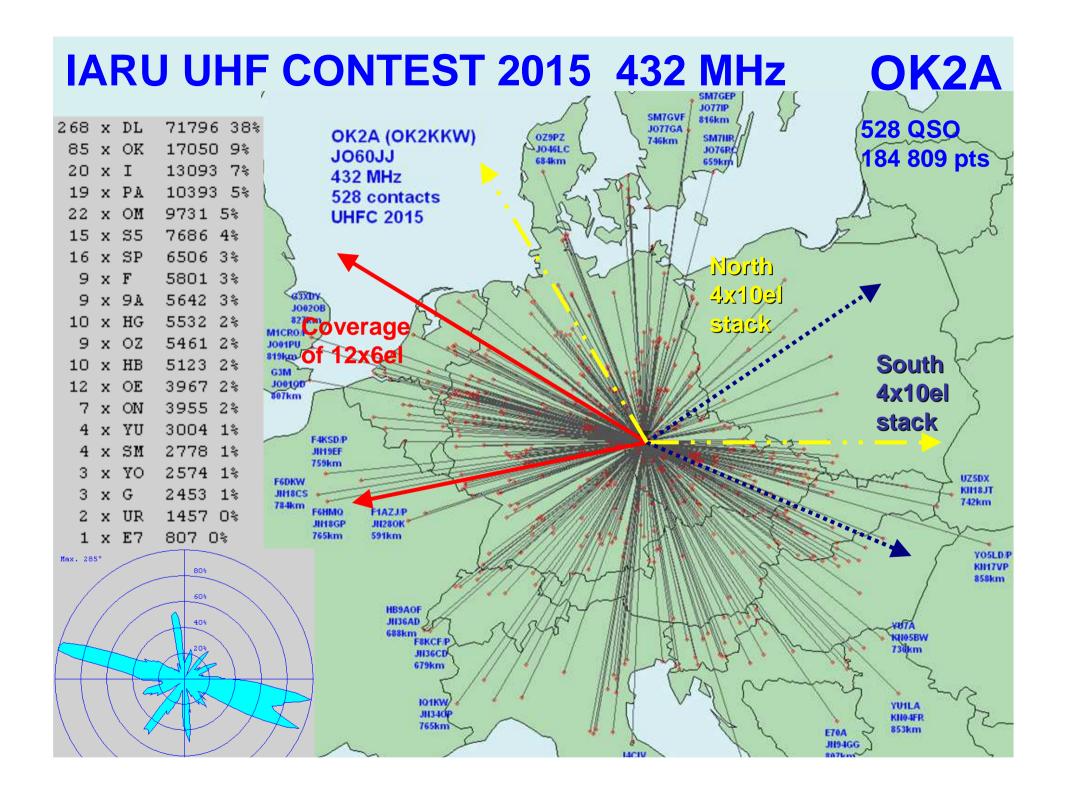


JO60JJ 20m AGL 1040m ASL

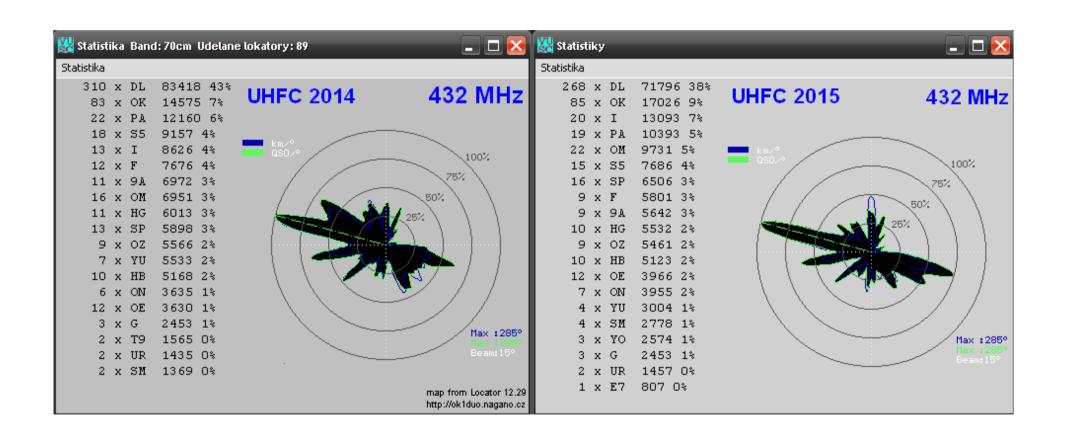
The West 5m AGL / 18m AGL



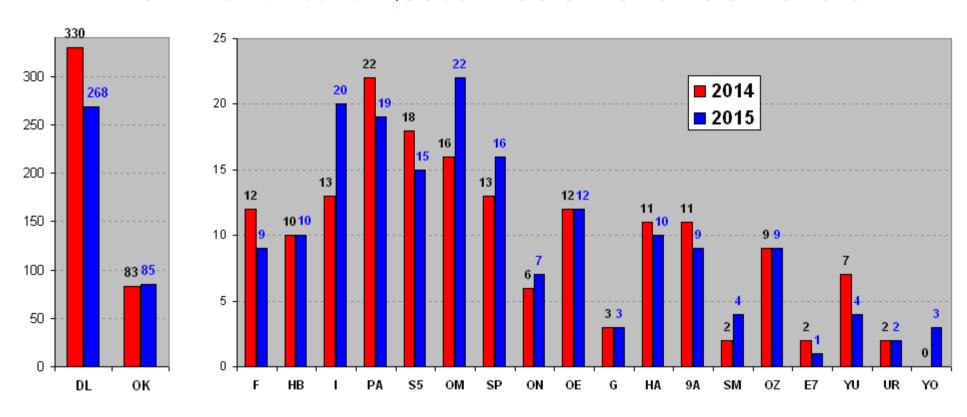




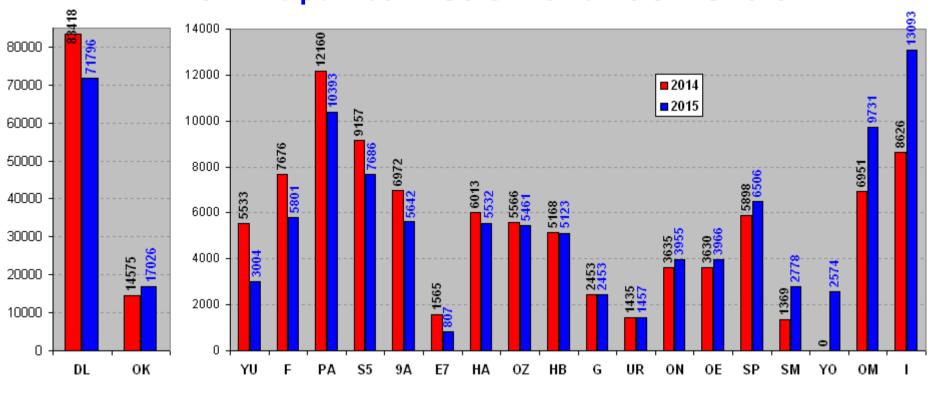
OK2A DXCC UHFC 2014 / UHFC 2015



OK2A's number of QSOs / DXCC UHFC 2014 / UHFC 2015



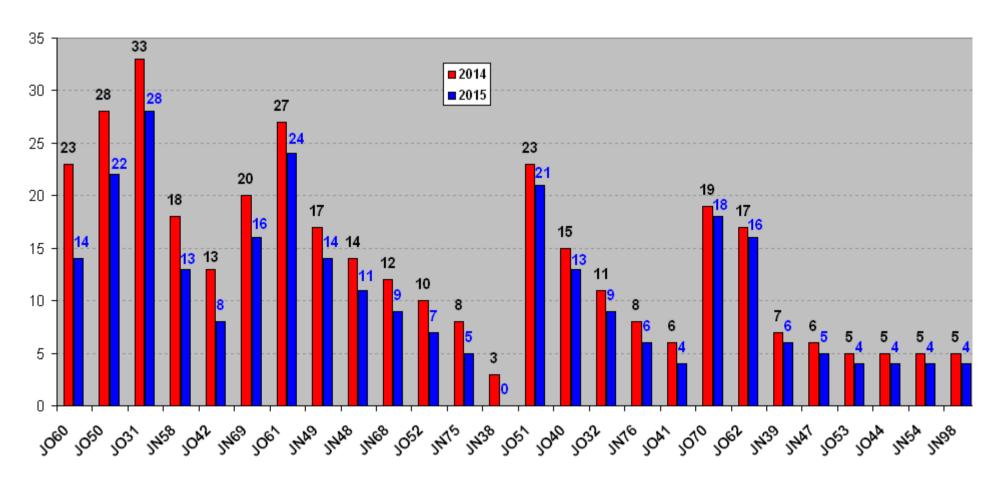
OK2A's points / DXCC UHFC 2014 / UHFC 2015



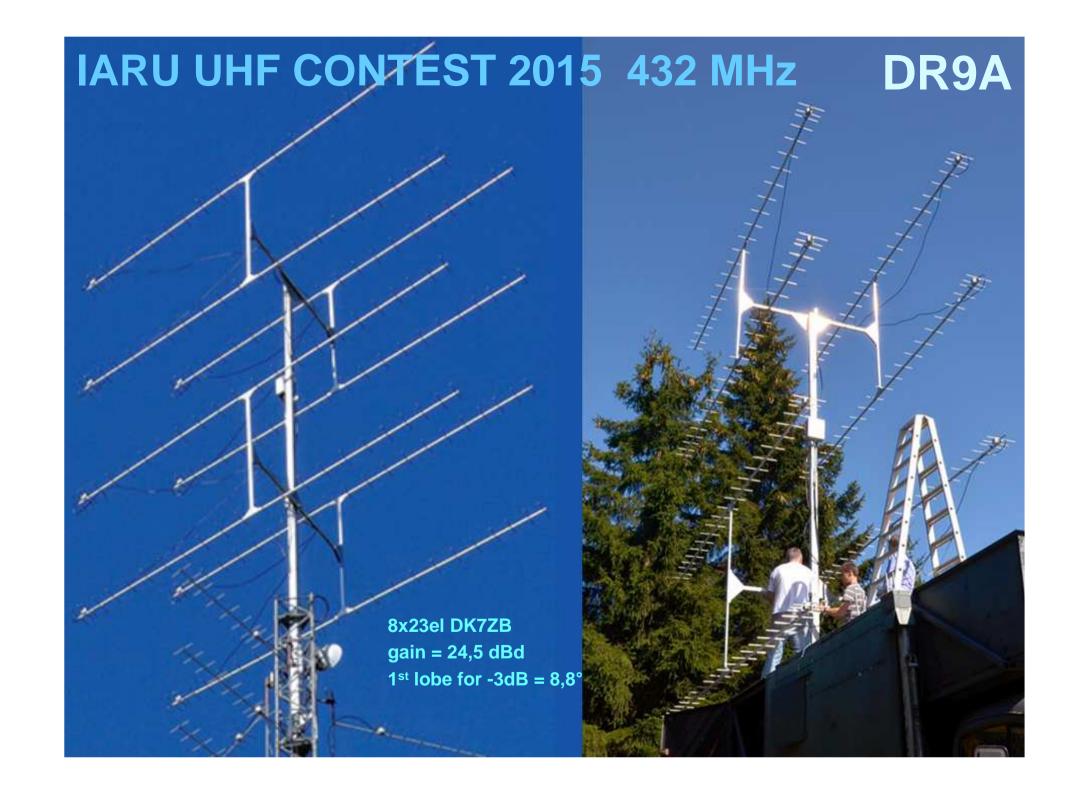
	2014	2015	rozdil
DL	83418	71796	-11622
YU	5533	3004	-2529
F	7676	5801	-1875
PA	12160	10393	-1767
S5	9157	7686	-1471
9A	6972	5642	-1330
E7	1565	807	-758
HA	6013	5532	-481
0Z	5566	5461	-105
НВ	5168	5123	-45

	2014	2015	rozdil
G	2453	2453	0
UR	1435	1457	22
ON	3635	3955	320
0E	3630	3966	336
SP	5898	6506	608
SM	1369	2778	1409
OK	14575	17026	2451
Y0	0	2574	2574
OM	6951	9731	2780
I	8626	13093	4467

2014 & 2015: the comparison of worked stations from each big LOC (sorted by the LOC where we lost the most of points)

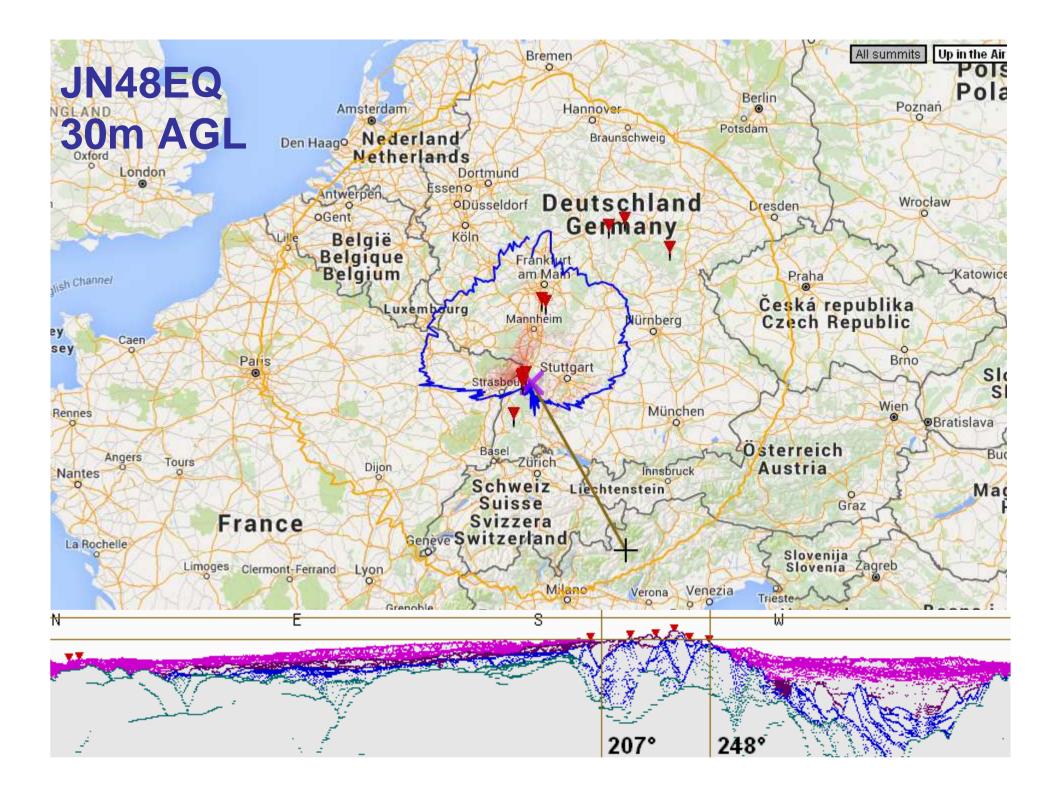


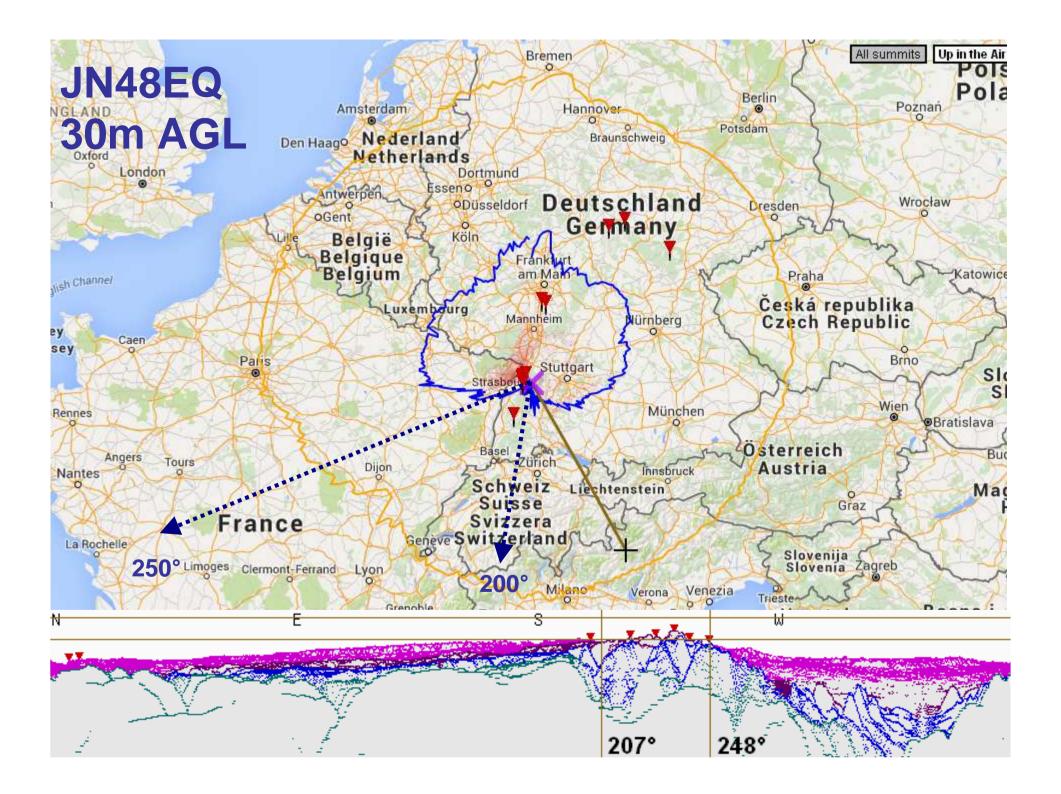


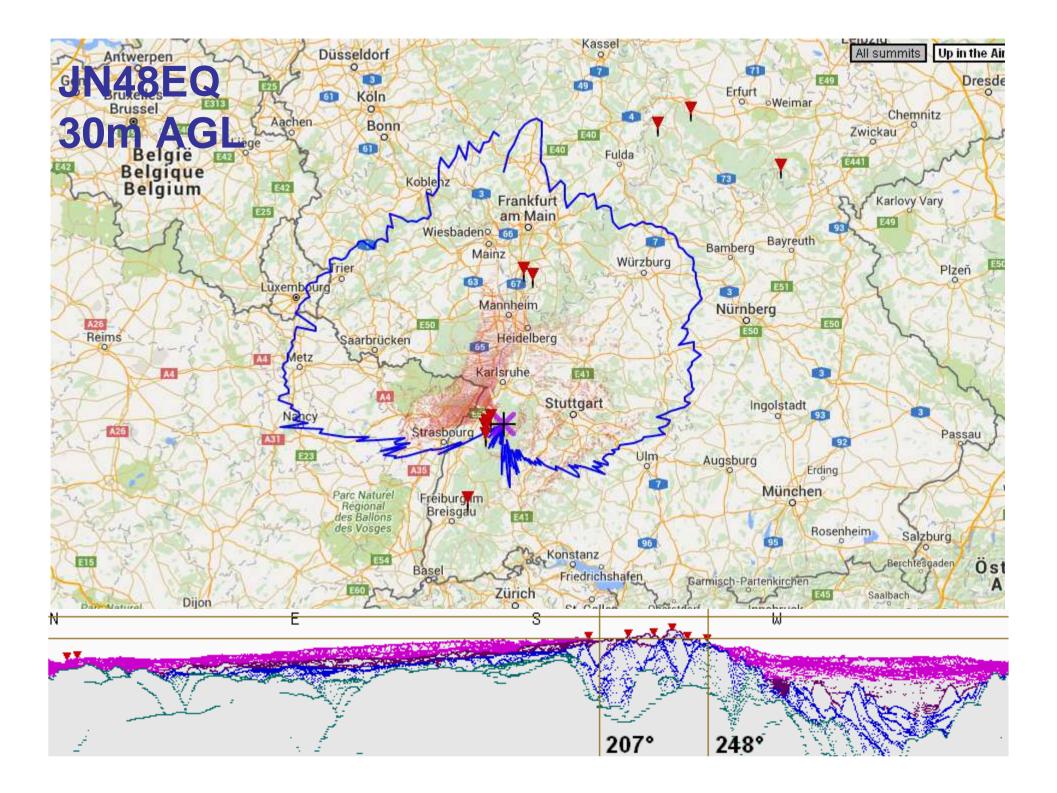




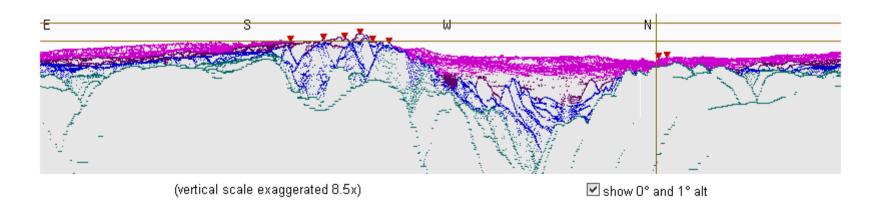


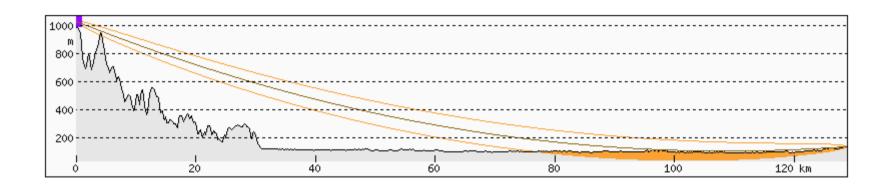




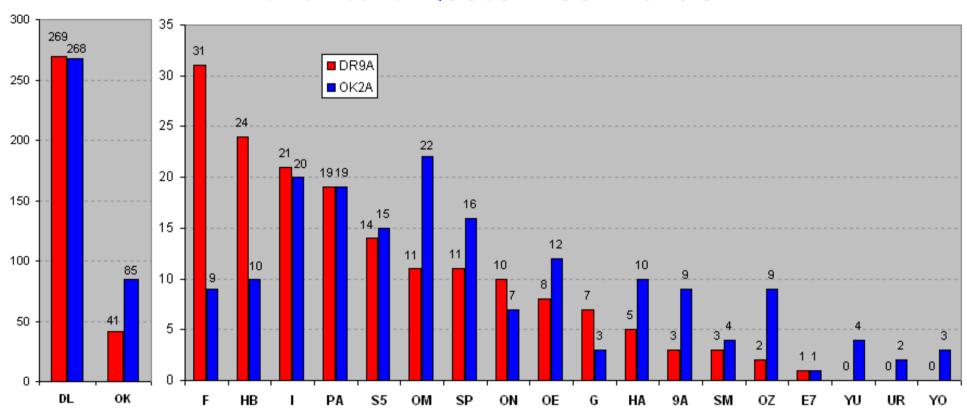


JN48EQ ->>> QTF 0 30m AGL

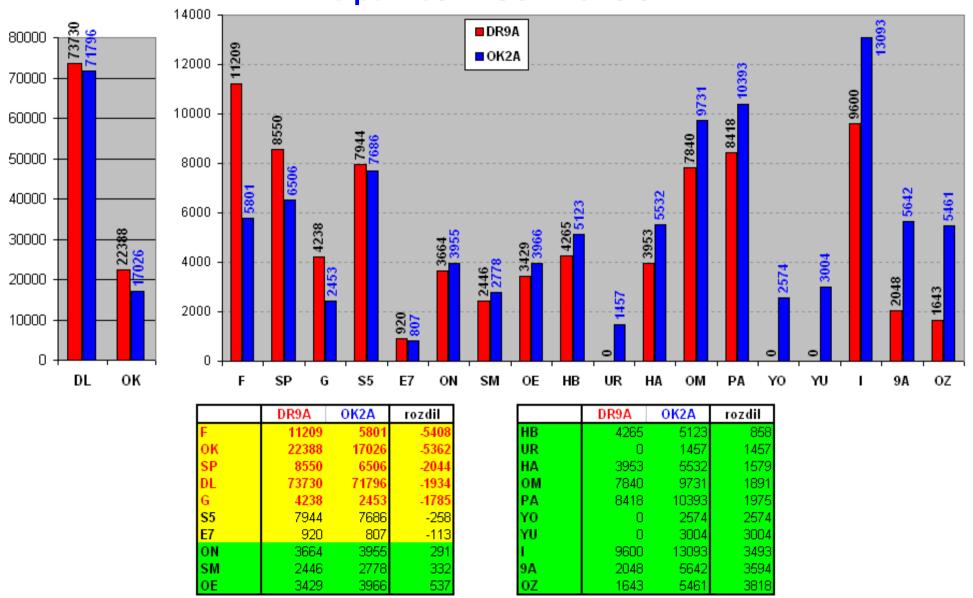




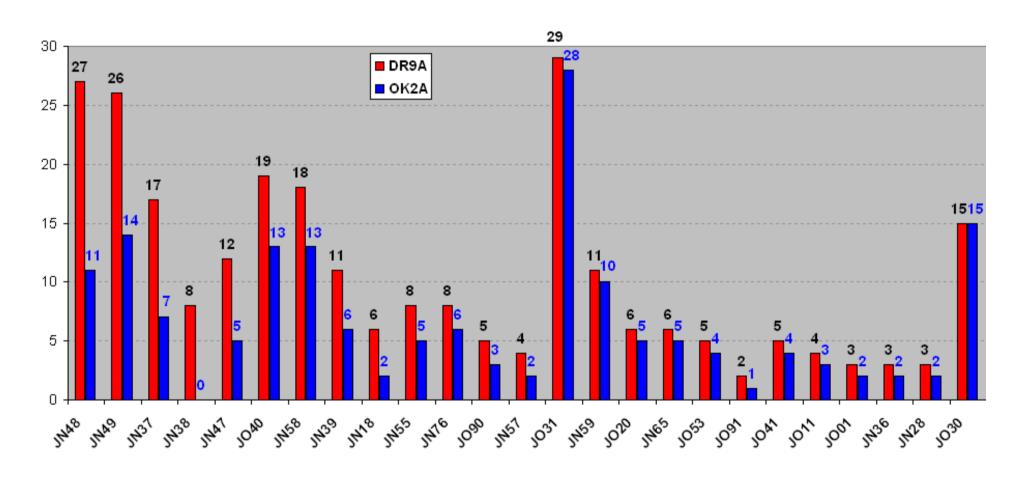
The number of QSOs / DXCC DR9A / OK2A



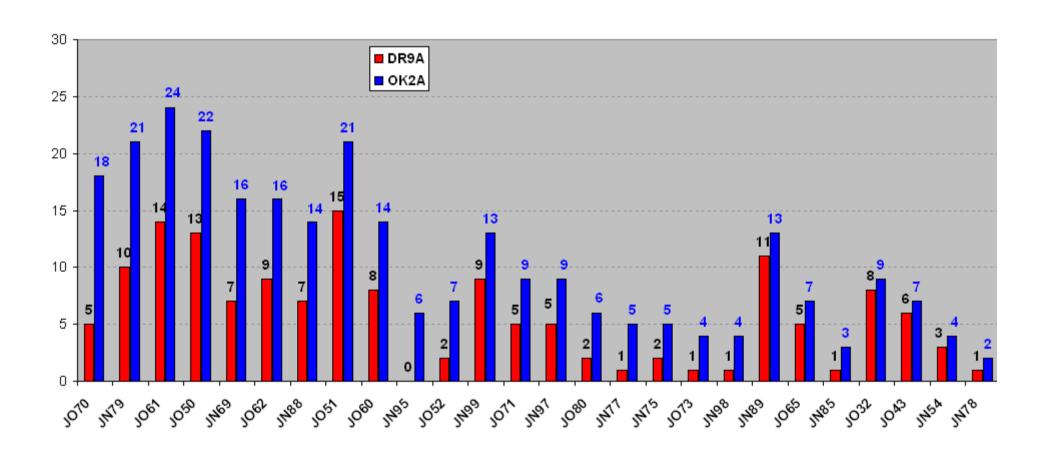
The points / DXCC DR9A / OK2A

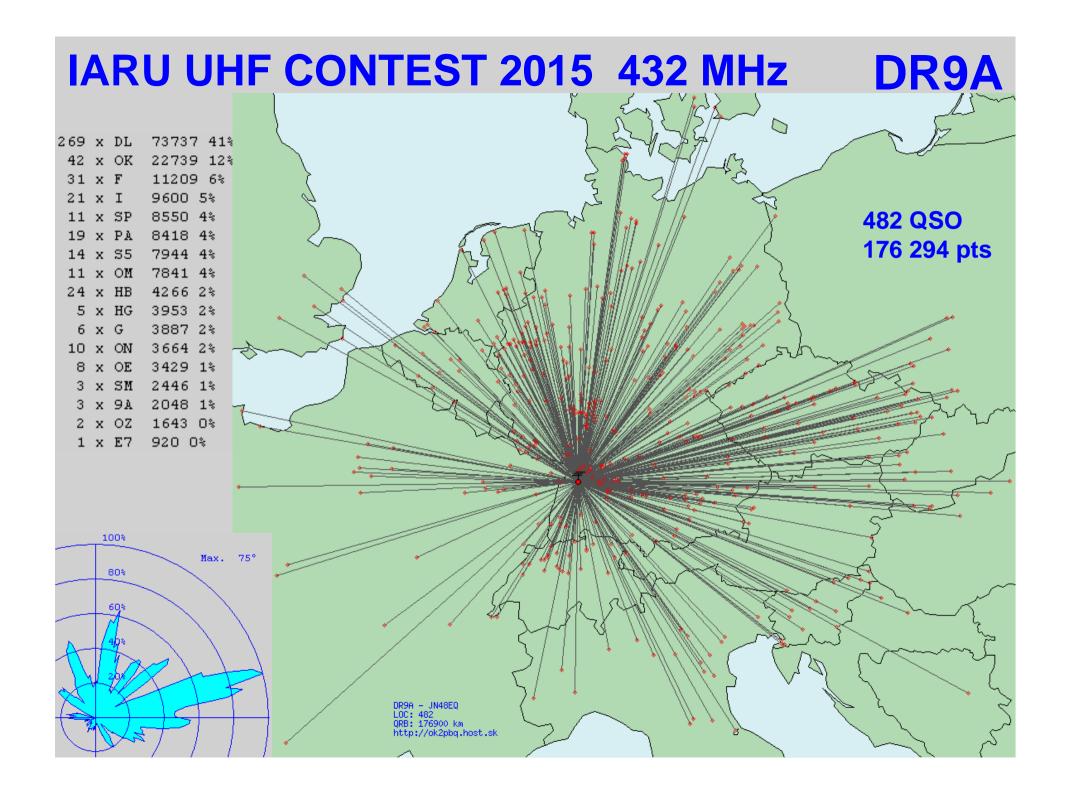


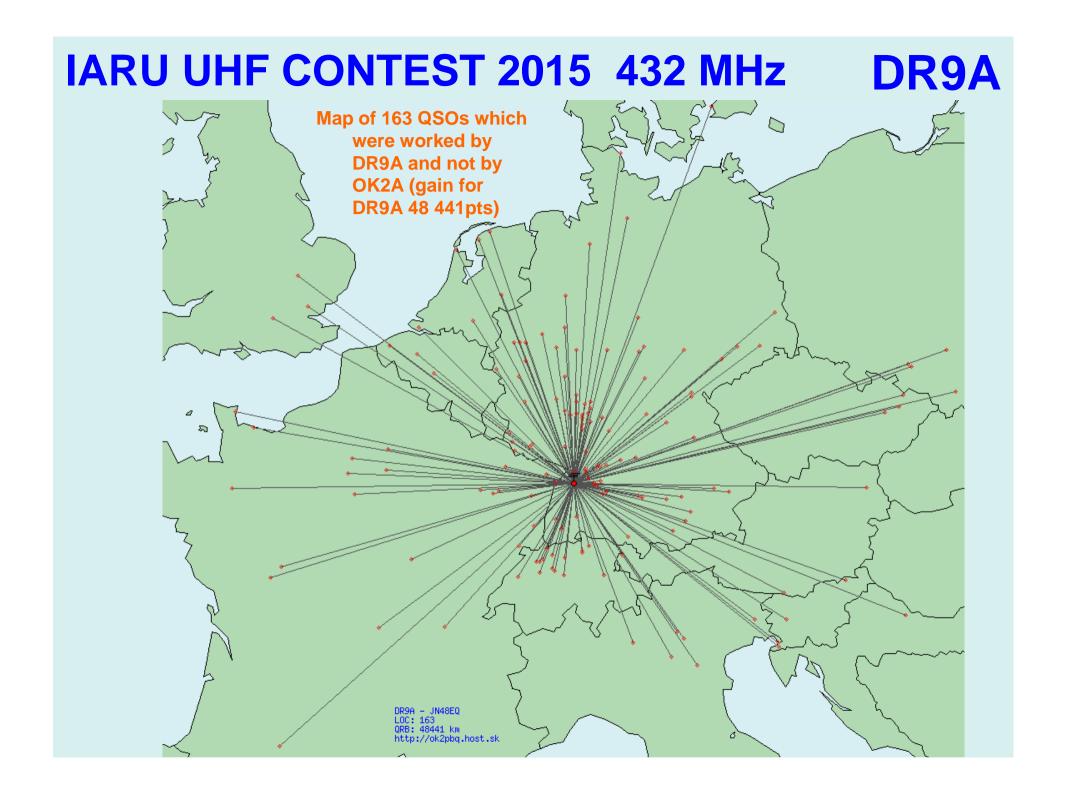
DR9A & OK2A: the comparison of worked stations from each big LOC (sorted by the LOC where we lost the most of points)

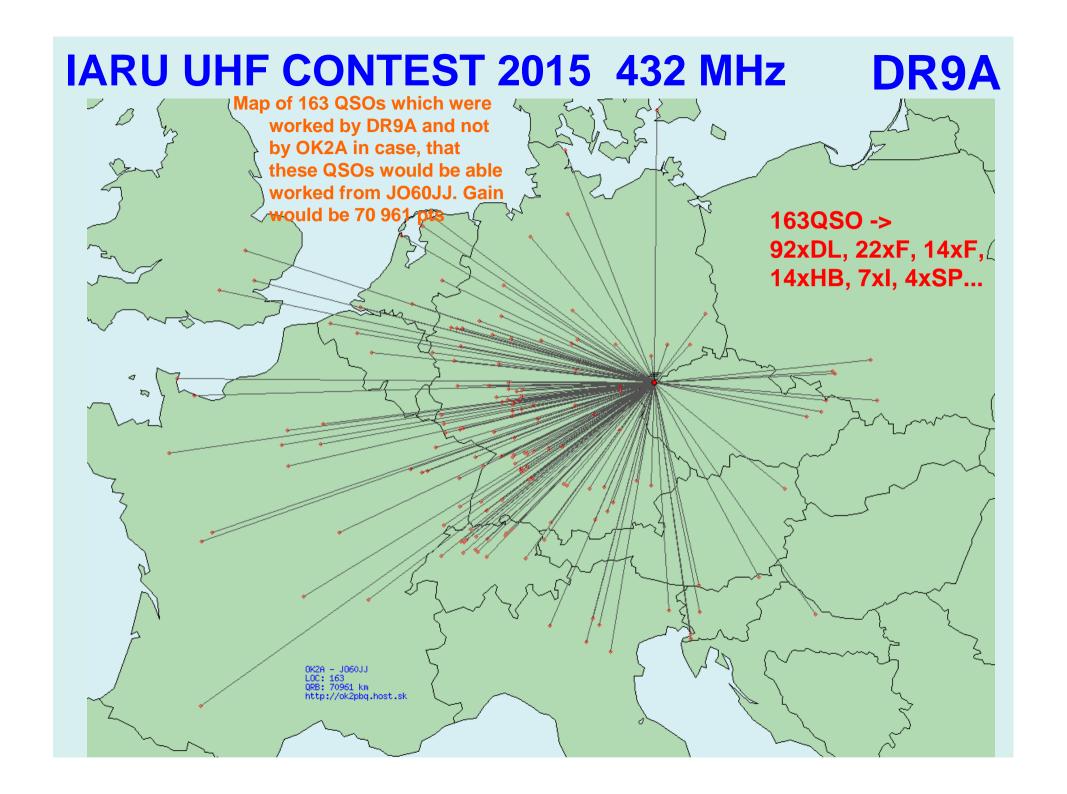


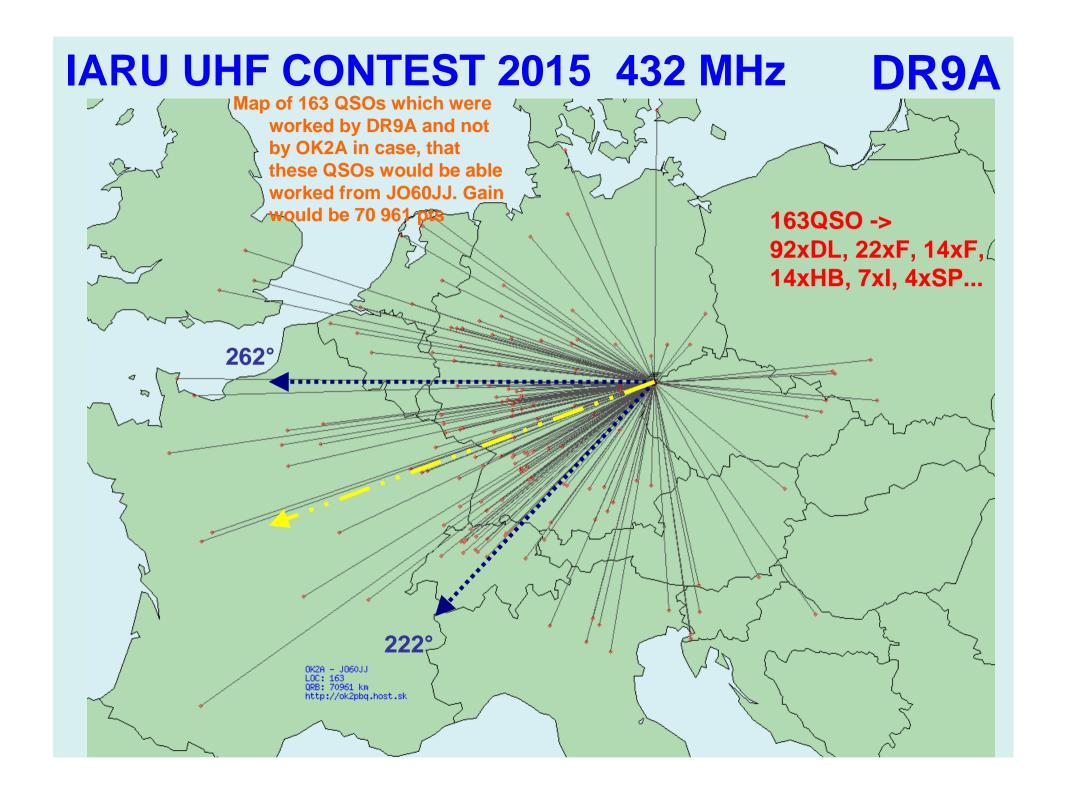
DR9A & OK2A: the comparison of worked stations from each big LOC (sorted by the LOC where we gained the most of points)



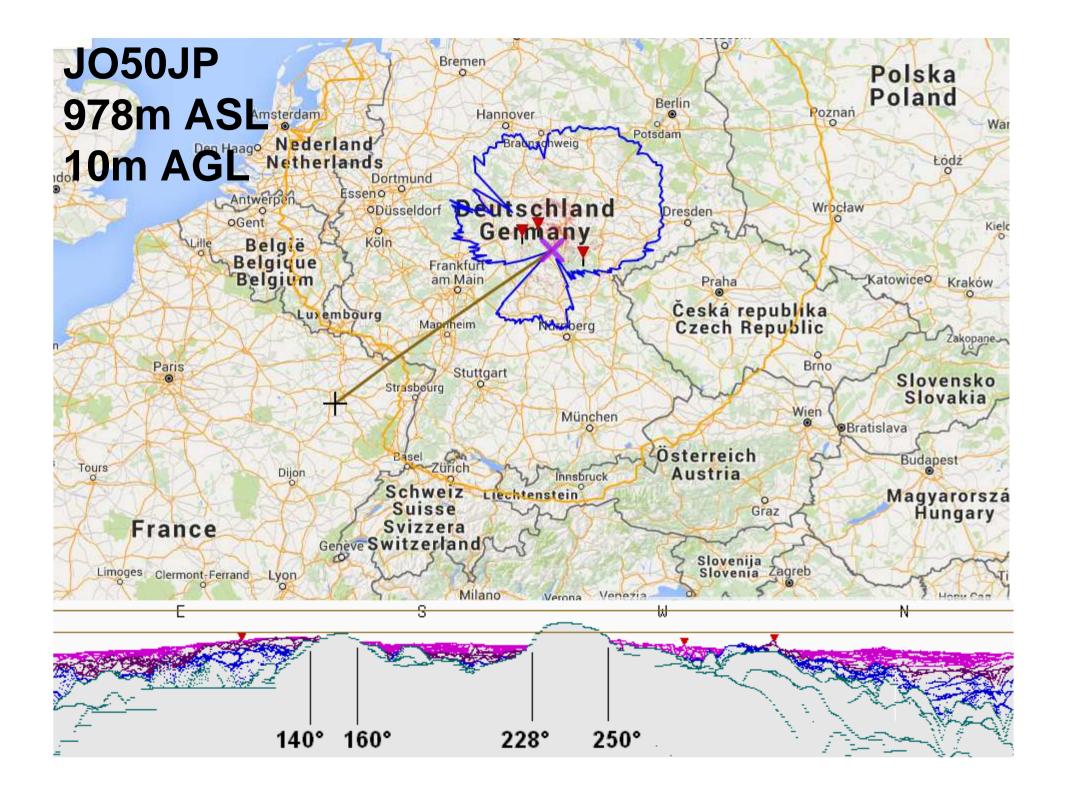


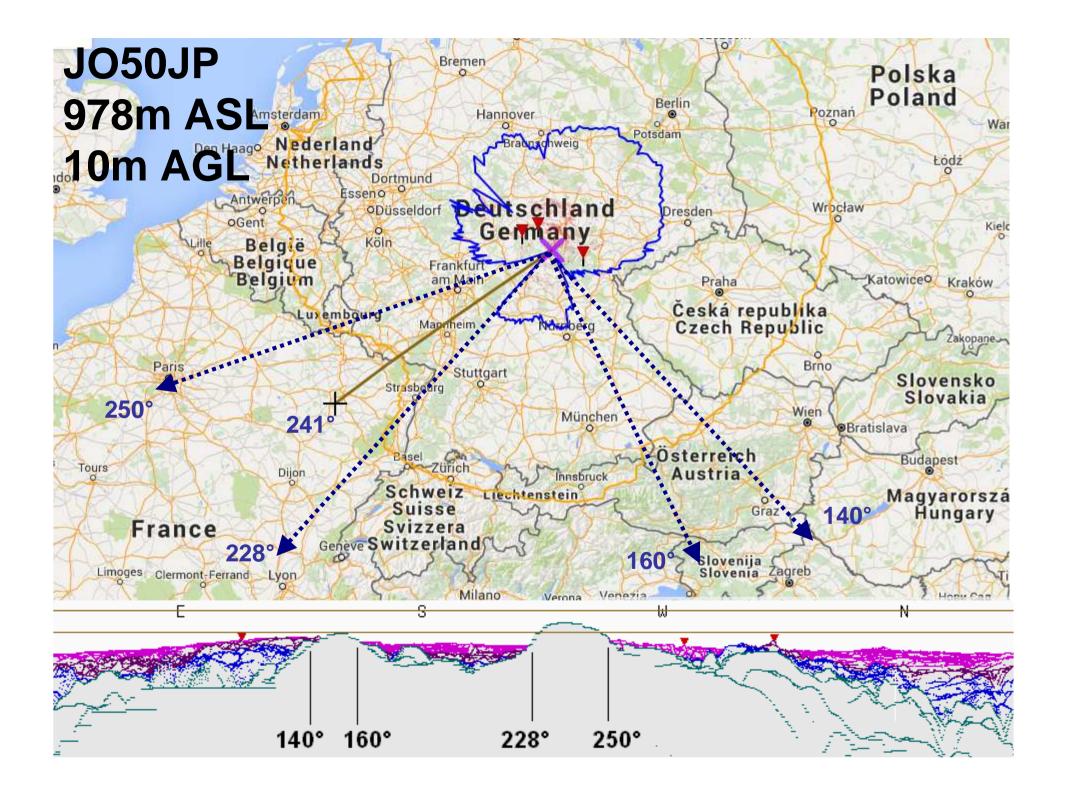


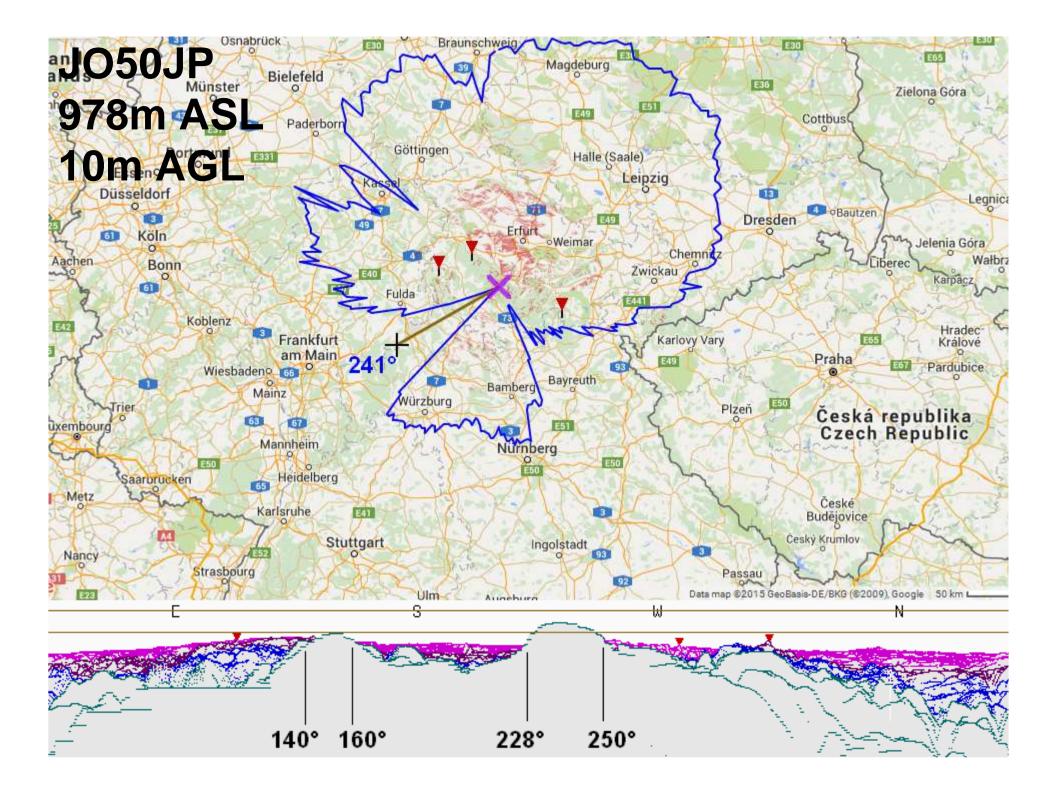




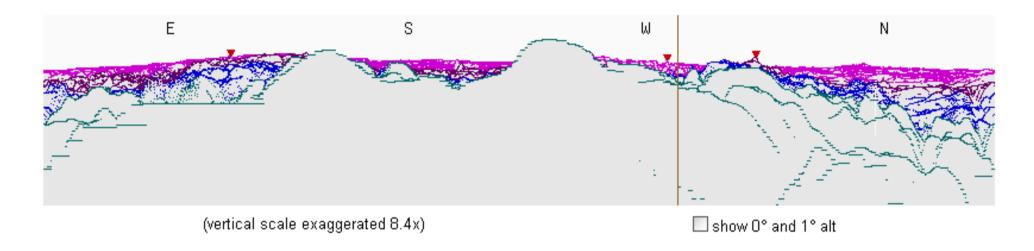


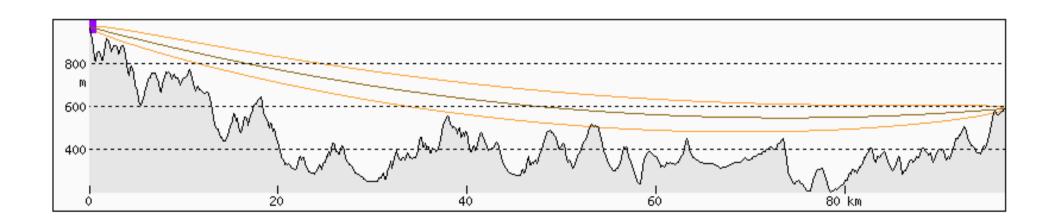




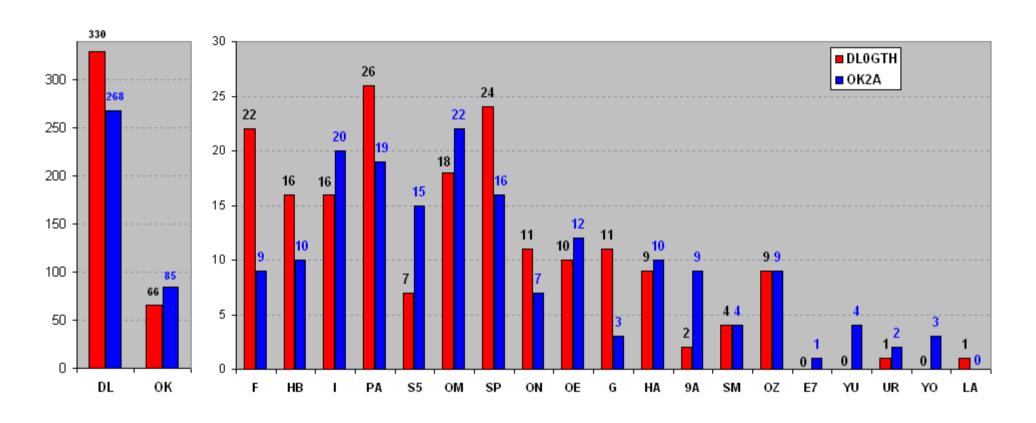


JO50JP ->>> JO31 978m ASL 10m AGL

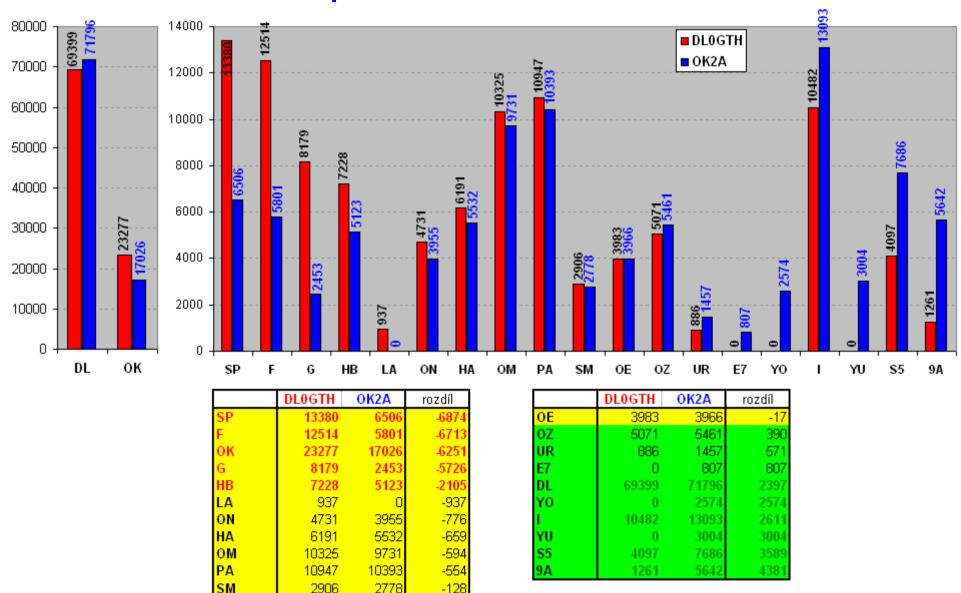




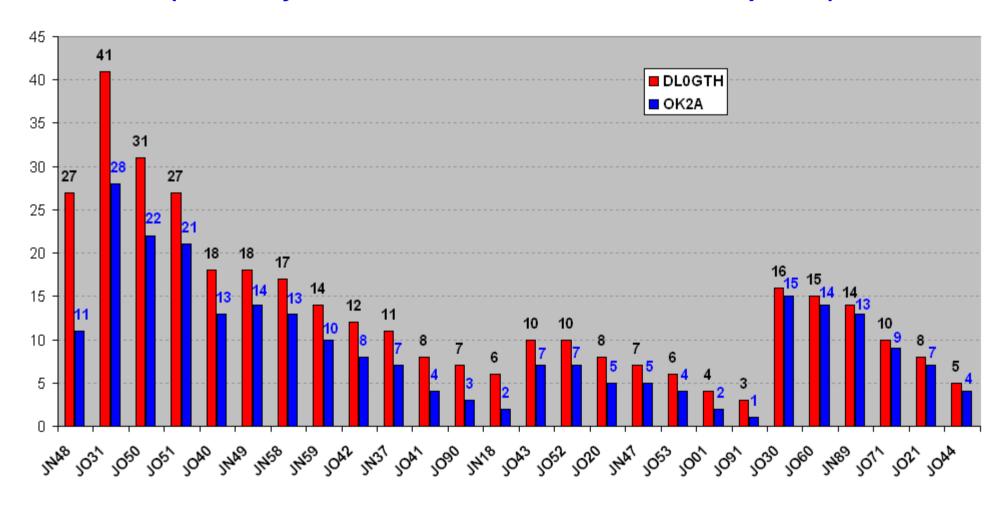
The number of QSOs / DXCC DL0GTH / OK2A



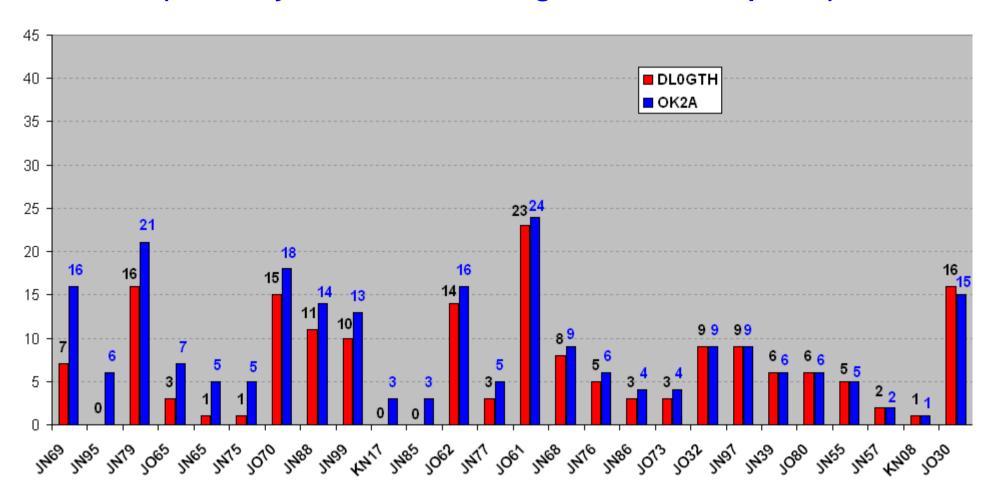
The points / DXCC DL0GTH / OK2A

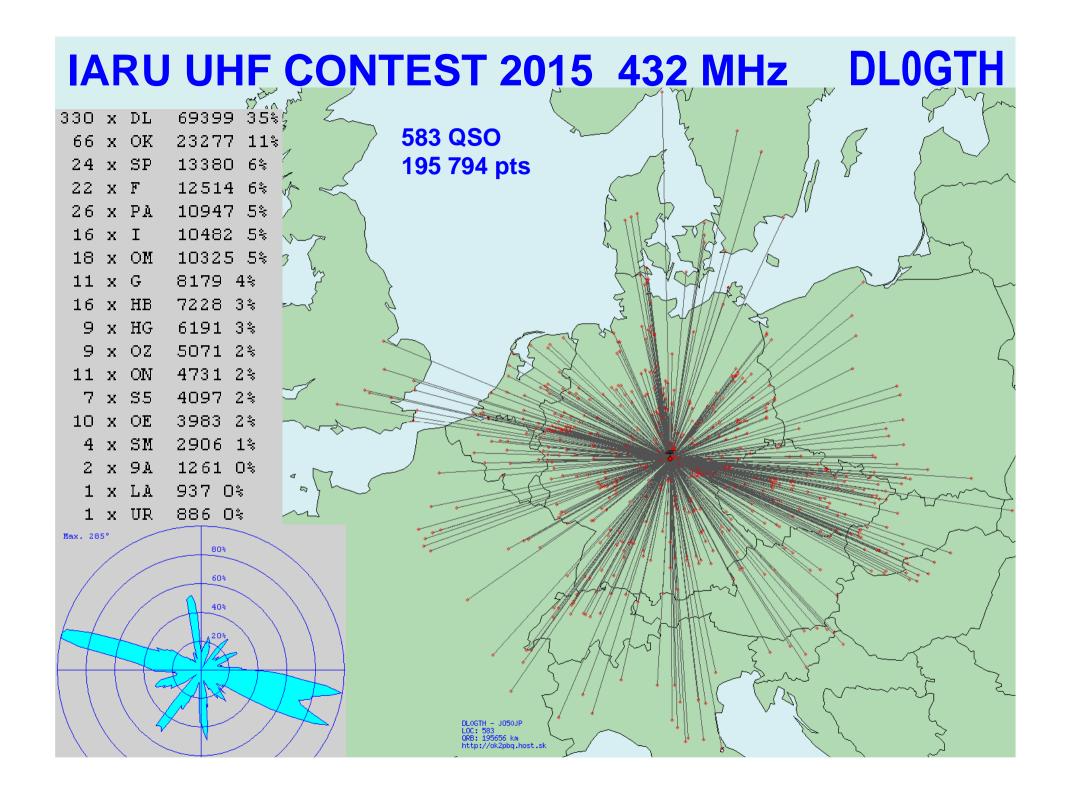


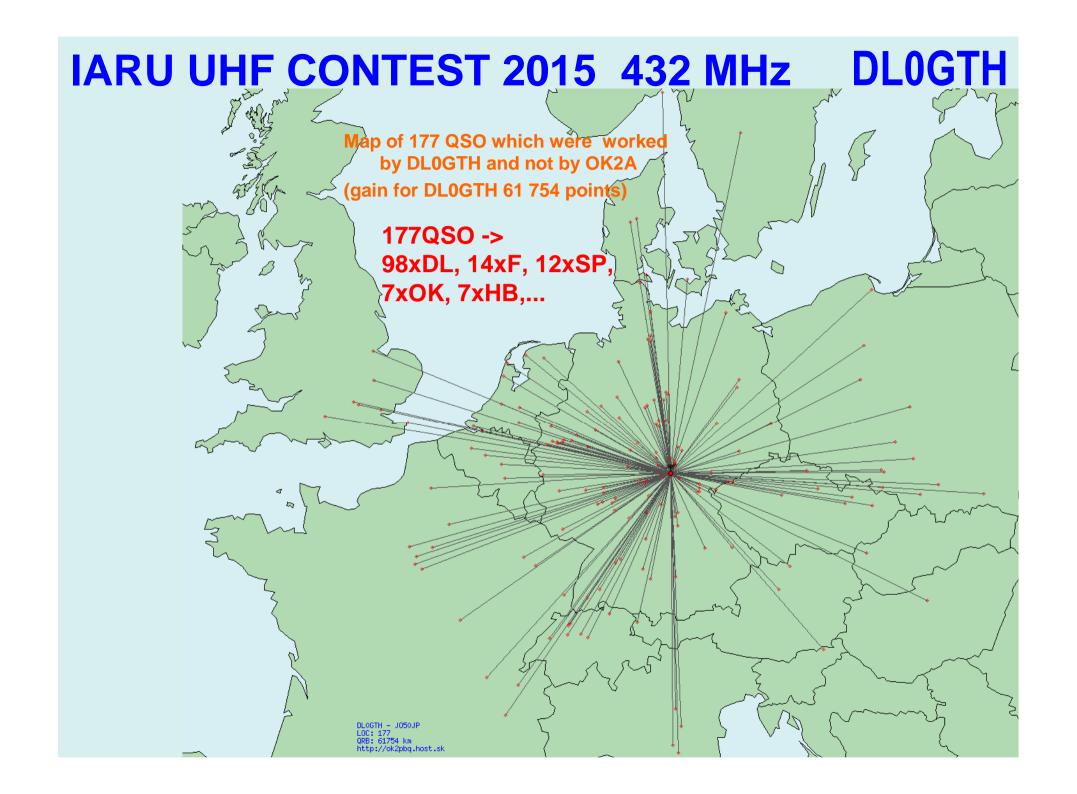
DL0GTH & OK2A: the comparison of worked stations from each big LOC (sorted by the LOC where we lost the most of points)

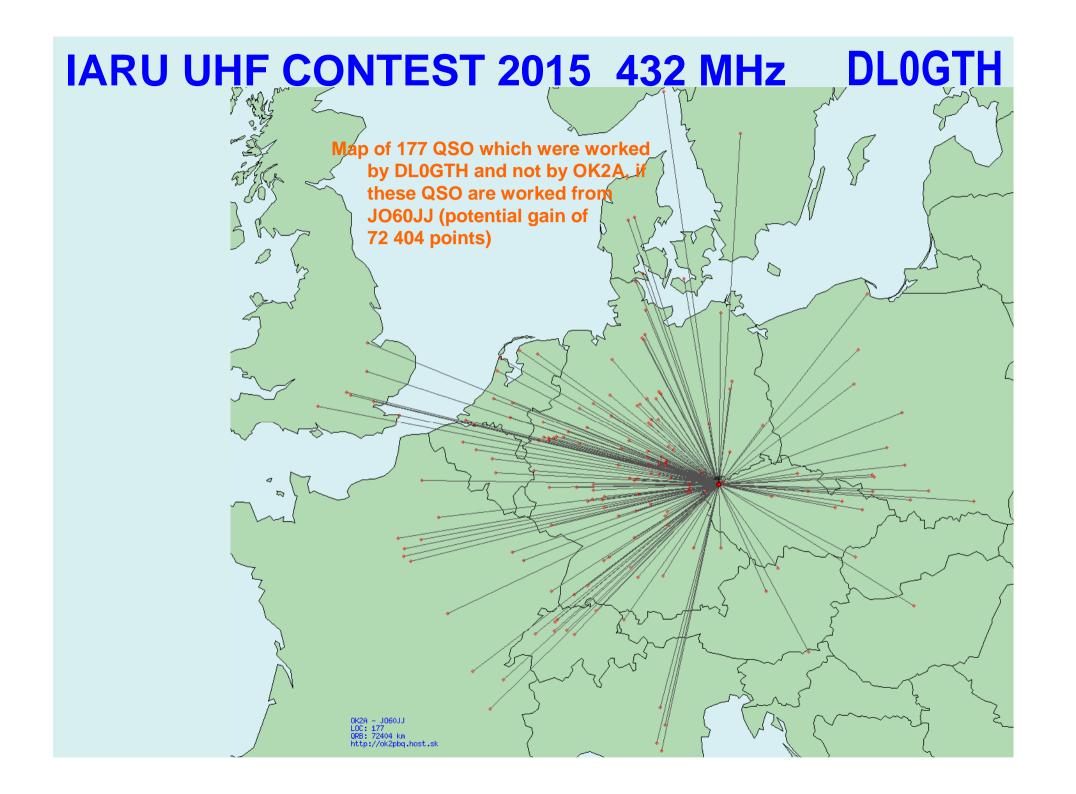


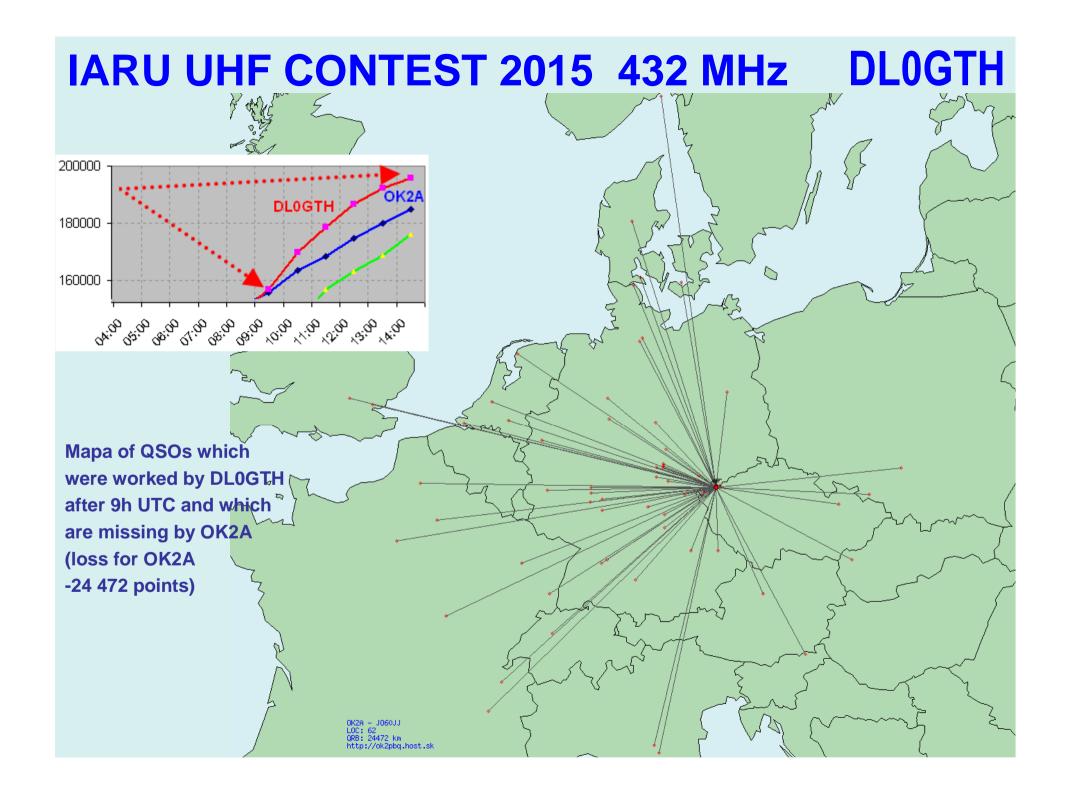
DL0GTH & OK2A: the comparison of worked stations from each big LOC (sorted by the LOC where we gain the most of points)



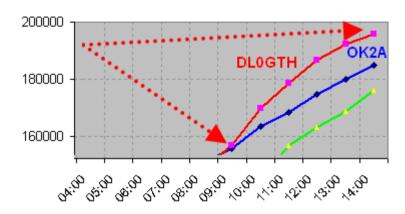








IARU UHF CONTEST 2015 432 MHz DL0GTH

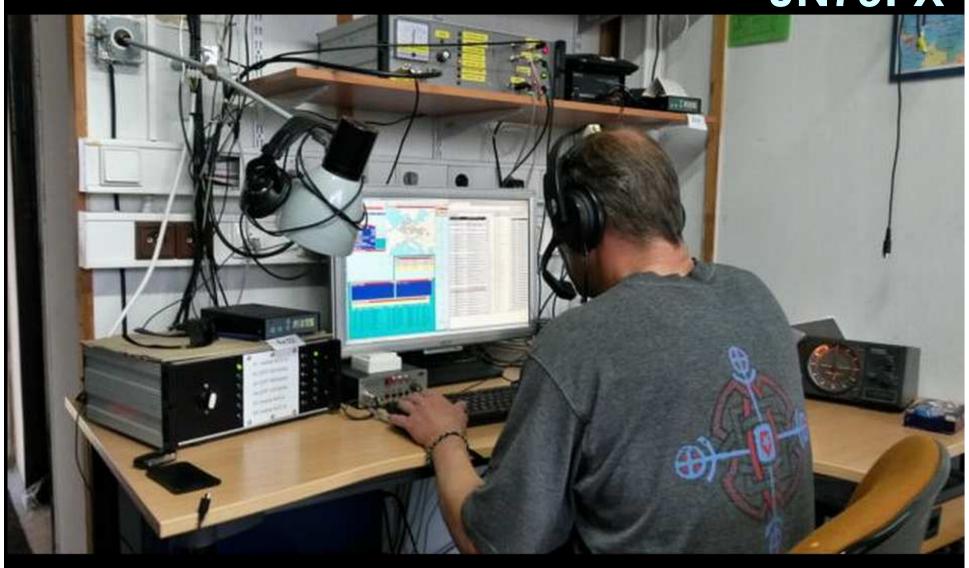


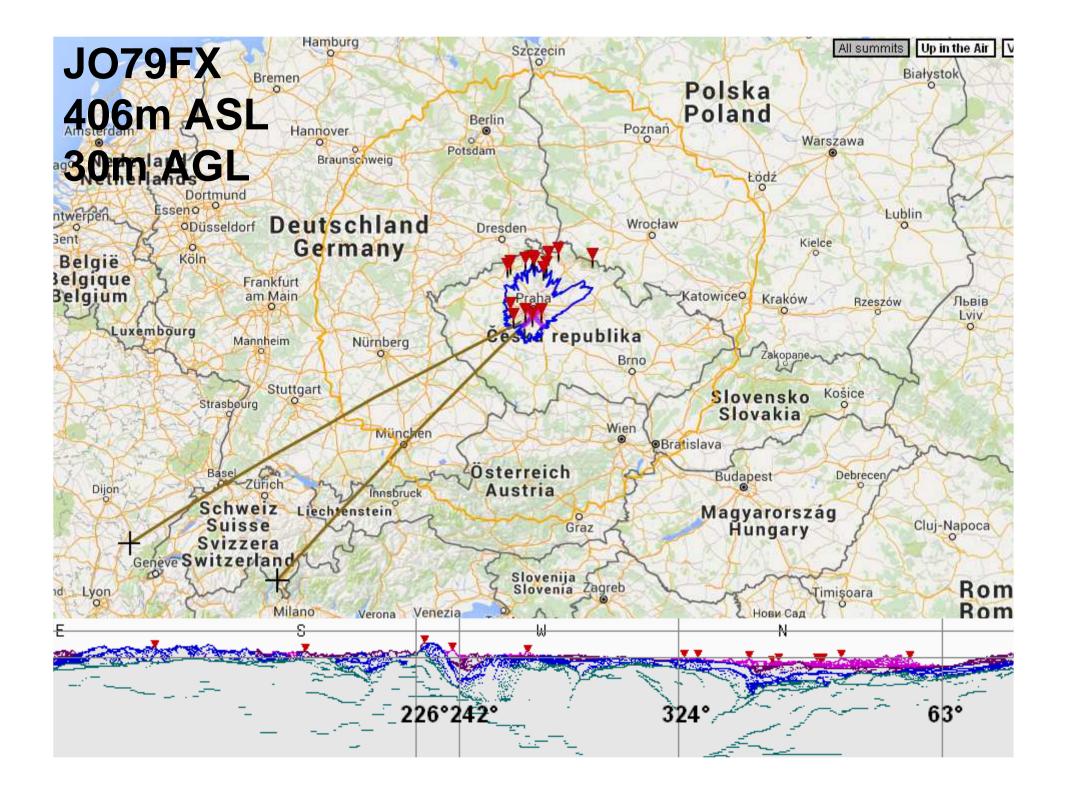
Mapa of QSOs which were worked by DL0GTH after 9h UTC and which are missing by OK2A (loss for OK2A -24 472 points)

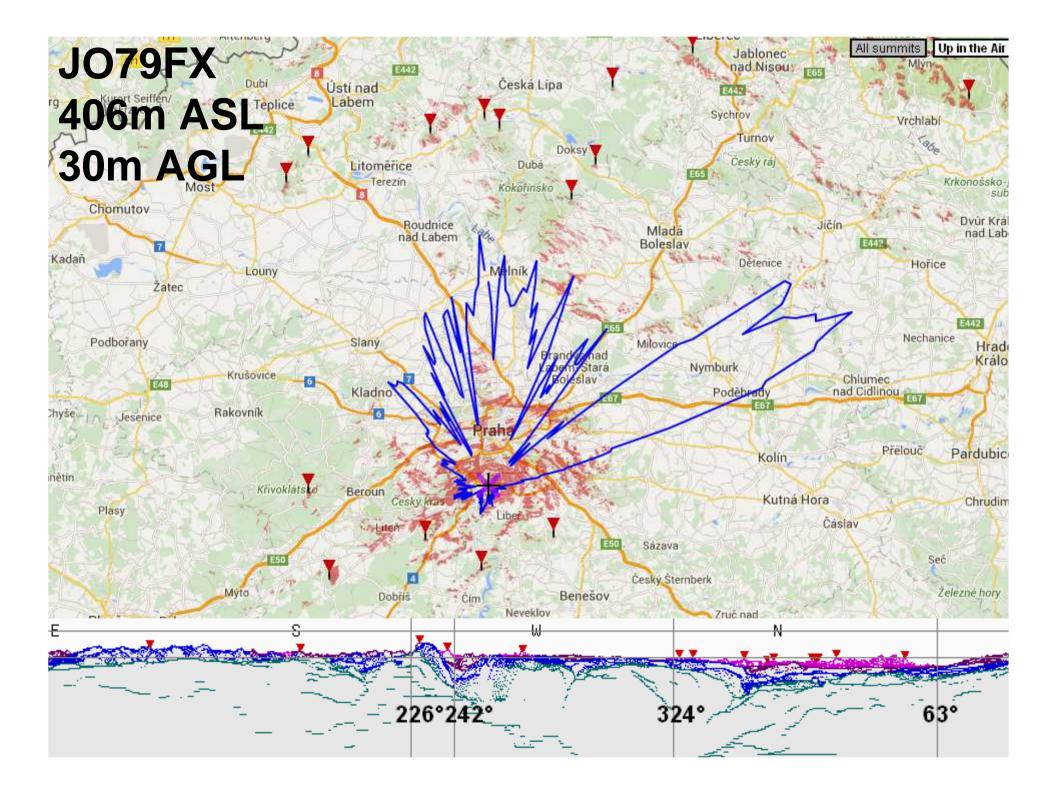
MOSAT	IO91TP	787
F5JFU/P	JN17XE	631
F4BCG	JN18AQ	667
F1NPX/P	JN19PG	558
F1JKY/P	JN25TE	719
F1GCX	JN25XU	642
F1TRE	JN37PV	398
HB9DPY	JN37RA	472
F6DDW	JN38DM	402
DJ7GX	JN48LP	259
DK0SU	JN48NR	245
DO2TDT	JN49FX	182
DN8MM	JN49KT	165
IK4HLQ	JN54KP	668
IK1YNZ/4	JN54ML	686
DK0IL	JN58BH	264
DL5RDI	JN58XX	204
DR6A	JN59FW	83
DK0FLT	JN59FW	83
DC9JVN	JN59ML	131
DK8AF	JN59MS	99
DJ7GK	JN68KX	239
S51IV	JN76UP	573
OE5MKN	JN78EA	391
OM3TCC	JN88QQ	522
OK2NJI	JN89MW	452
G8HGN	J001F0	729
F5DRD	J010GA	590
PA3HFJ	J011VL	498
PE1BTL	J021QP	394
PA8R	J022IA	450

PE1DAB	J023RD	460
DO1DJJ/P	J030LE	277
DD4JK	J031HG	301
DO1KUB	J040FE	174
DH3FAN	JO40FH	170
DH9FAC	J040KB	151
DL5BAQ	J041LU	186
DLOMI	J042KH	228
DO4ZA	J043X0	334
OZ6TW	J044TU	475
OZ6HY	J045WA	491
OV3T	J046RG	632
DL4AWK	J05010	8
DL1ANN	J050IT	20
DL1ARH	J050LT	22
DM2ORI	JO50LU	26
DM3XI	J050LV	31
DG0AU	JO50NM	28
DK2EA	J050UF	80
DL5FCE/P	J051HT	131
DL1ATI	J051MF	68
DL7HAR	J053AQ	343
0Z7JRL	J054RW	480
LA2IMA	J059FB	937
DN5KA	J060CP	100
OK1IBI	J060EG	120
DL9NCI/P	J060JK	144
DL6DVU	J060LK	155
DC9WX	J0620M	268
SP9UOP	J090BC	524
SN9D	JO90PP	600

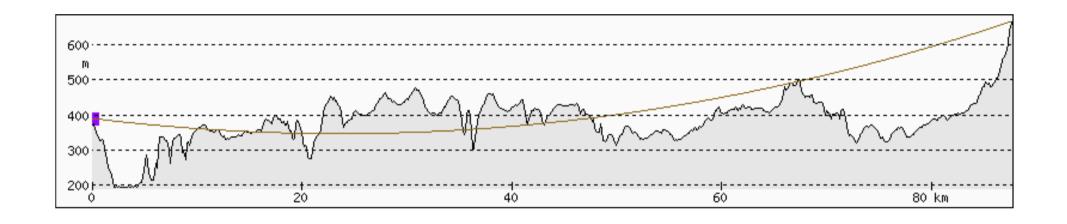
IARU UHF CONTEST 2015 432 MHz OL3Z JN79FX

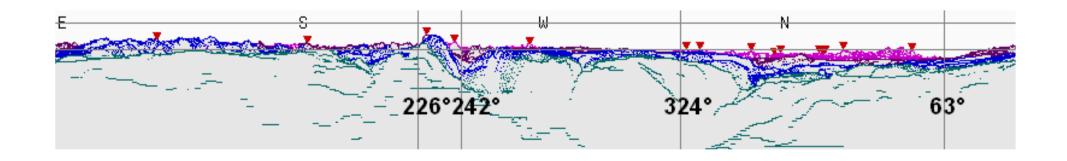




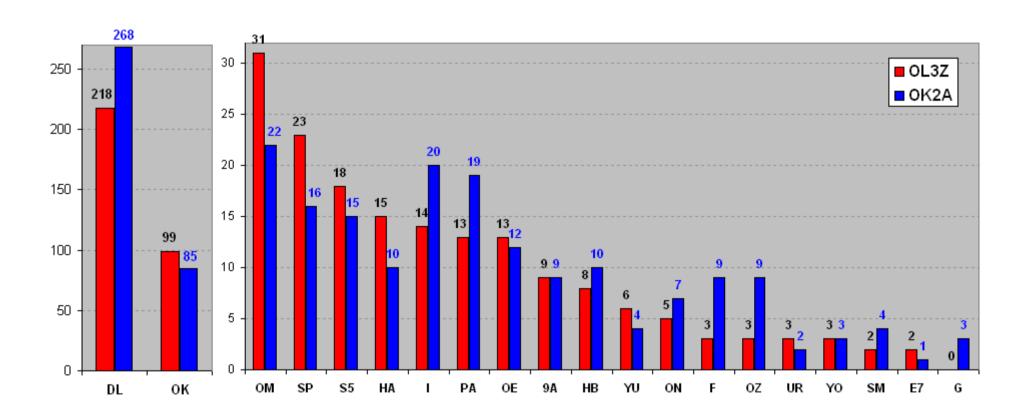


JN79FX ->>> JO31 285° 460m ASL 30m AGL

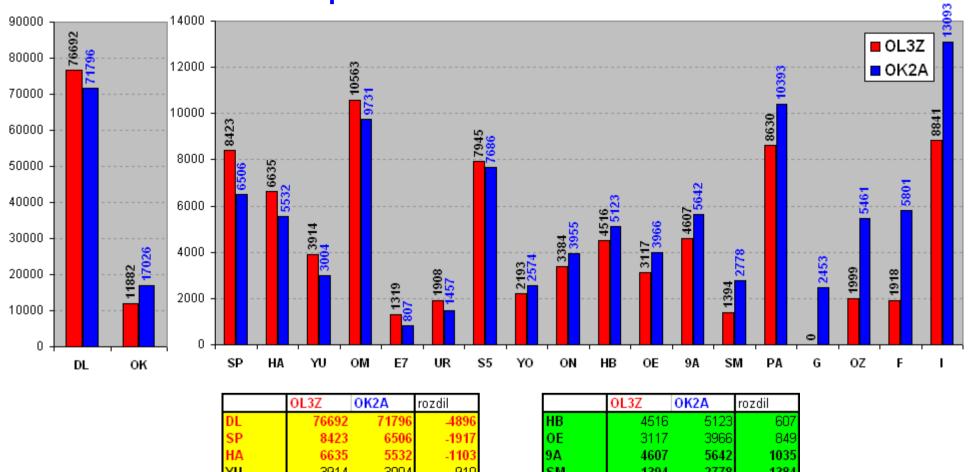




Number of QSOs / DXCC OL3Z / OK2A



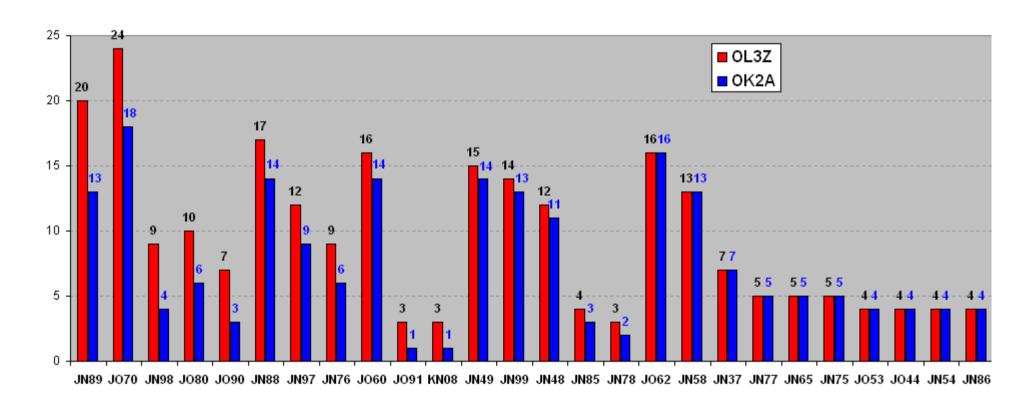




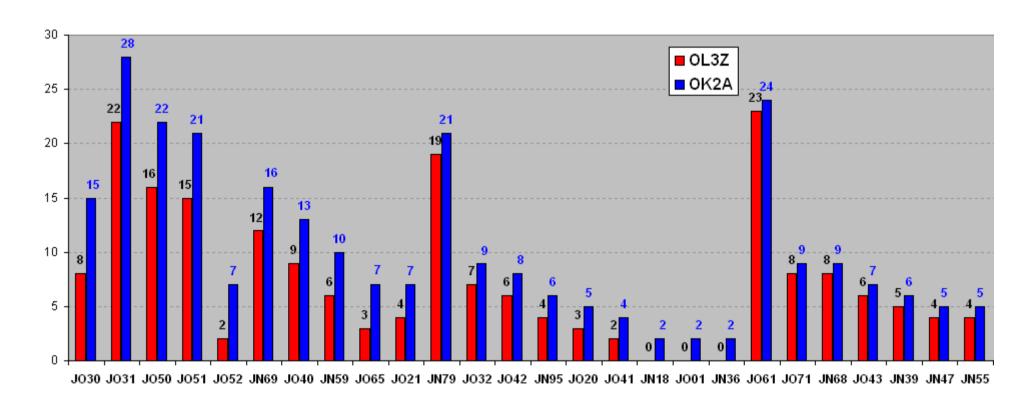
	OL3Z	OK2A	rozdil
DL	76692	71796	4896
SP	8423	6506	-1917
HA	6635	5532	-1103
YU	3914	3004	-910
OM	10563	9731	-832
E7	1319	807	-512
UR	1908	1457	-451
S5	7945	7686	-259
Y0	2193	2574	381
ON	3384	3955	571

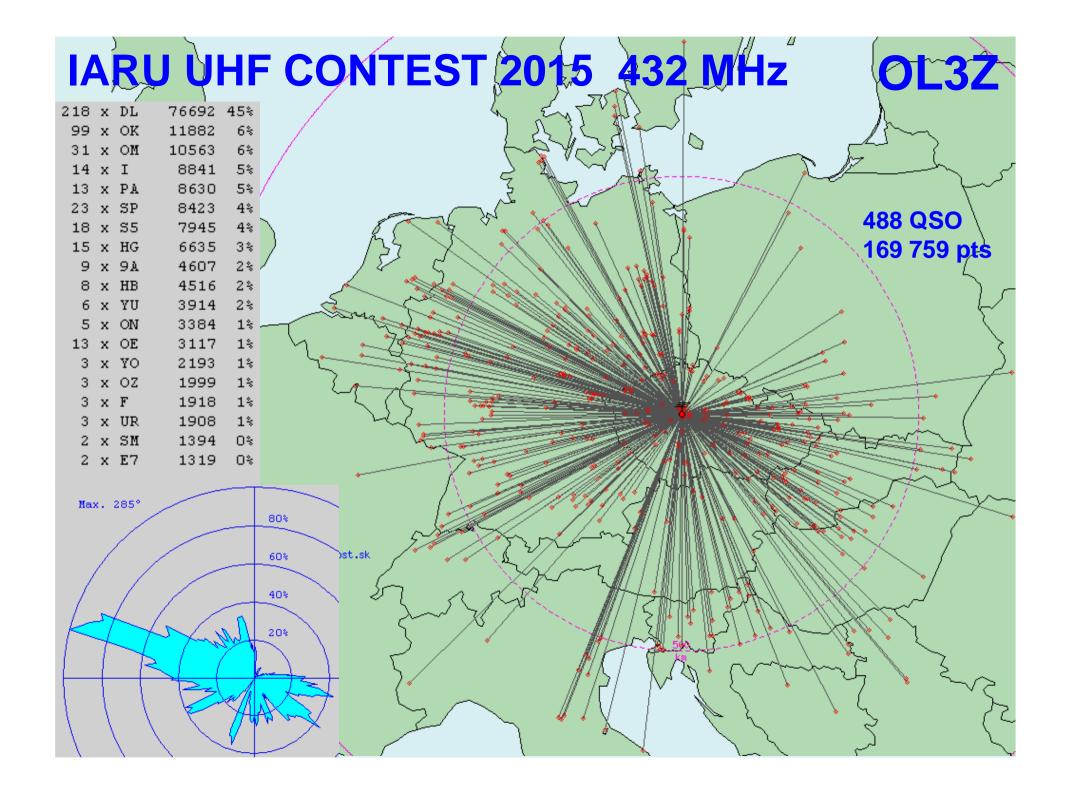
	OL3Z	OK2A	rozdil
НВ	4516	5123	607
0E	3117	3966	849
9A	4607	5642	1035
SM	1394	2778	1384
PA	8630	10393	1763
G	0	2453	2453
0Z	1999	5461	3462
F	1918	5801	3883
I .	8841	13093	4252
OK	11882	17026	5144

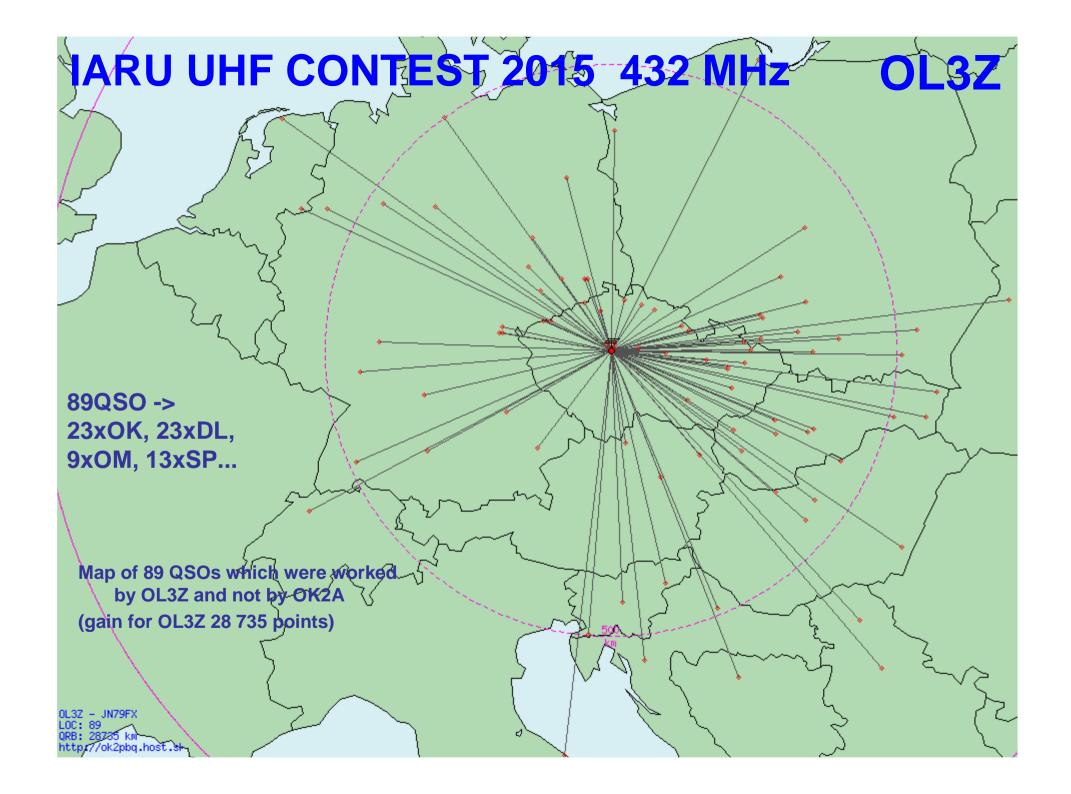
OL3Z & OK2A: the comparison of worked stations from each big LOC (sorted by the LOC where we lost the most of points)

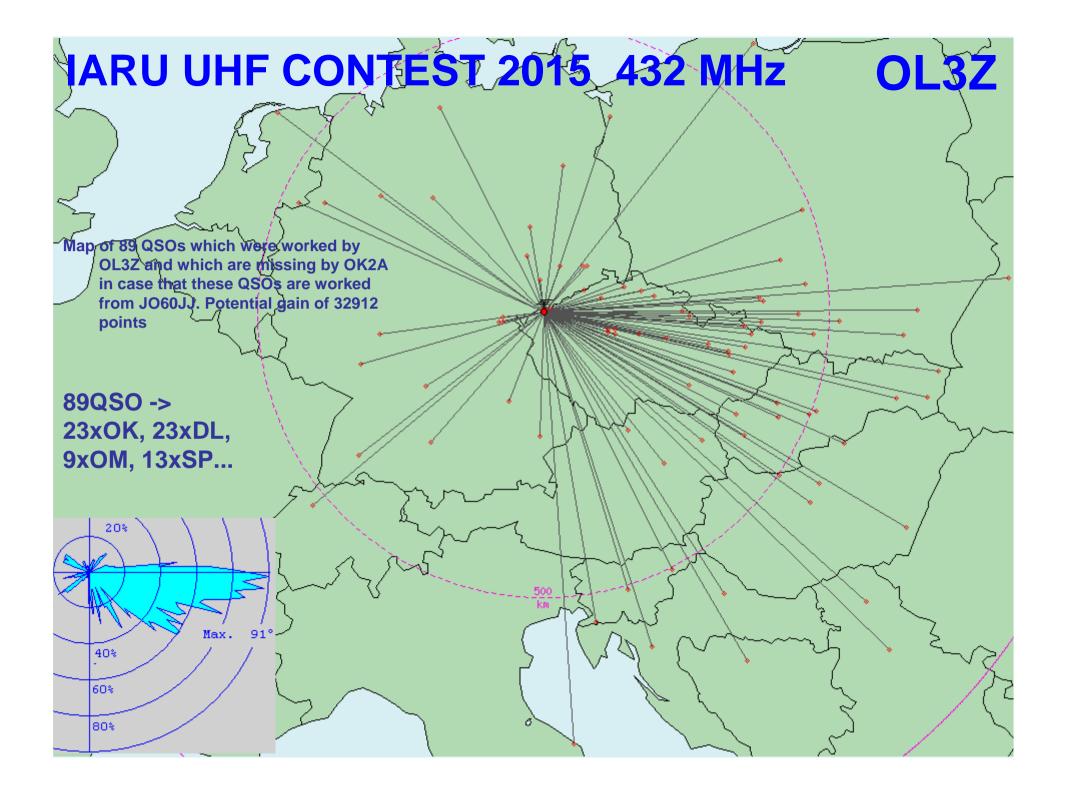


OL3Z & OK2A: the comparison of worked stations from each big LOC (sorted by the LOC where we gain the most of points)









List of OK stations which weren't worked by OK2A compared to QSO with DL0GTH, DR9A a OL3Z

DL0GTH yes, OK2A no

JN89JT	437
JN89MW	452
JN89UR	503
JO70SO	336
JO70HC	279
JO70WE	364
JO60EG	120
	JN89MW JN89UR JO70SO JO70HC JO70WE

DR9A yes, OK2A no

OK2SSJ	JN89WW	703
OK2OHA	JN89PP	657
OK2IGL	JN89UR	688

OL3Z yes, OK2A no

JO80EG	141
JO70NA	48
JN79VW	96
JO70EB	12
JO70JS	92
J0700Q	96
JO80CI	132
JO70EC	16
JO70CO	72
JO70GC	16
JO60VR	96
JO70SO	104
	JO70NA JN79VW JO70EB JO70JS JO70OQ JO80CI JO70EC JO70CO JO70GC JO60VR

JN89PQ	206
JN89DE	159
JN89UR	235
JO80UB	233
JN89PP	207
JN89WW	245
JN89WW	245
JN89QI	222
JN89JT	169
JO80CI	132
JO70GA	8
	JN89DE JN89UR JO80UB JN89PP JN89WW JN89WW JN89QI JN89JT JO80CI

[OK2A yes, OL3Z no (PD 2015)]

OK1AIY/P	JO70SQ	198
OK1AVP	JN69QS	82
OK1GP	JO60JF	19
OK1IEI	JO70EC	118
OK1VAM	JN79IX	145
OK1VUF	JN79IO	163

[OL3Z yes, OK2A no (PD 2015)]

OK1CJH	JO70WG	107
OK1DEK	JN79EP	38
OK1DMV	JN78DR	140
OK1FDJ	JO70KF	41
OK1IVO	JO70JS	92
OK1JAF	JO70TA	84
OK1JPP	J0700Q	96
OK1JPS	JO70CT	95
OK1MBT	JO70CO	72
OK1NIT	JO70UH	97
OK1OA	JO70MO	81
OK1RN	JN79QJ	93
OK1UFF	JO60XR	91
OK1UJQ	JO70GC	16
OK1VJN	JN79XU	109

JN89WW	245
JO60WP	85
JO60WP	85
JN78DR	140
JN79NU	50
JN89PR	206
JN89VS	241
JN99JQ	313
JN89DO	139
JN89EJ	153
JN79XN	118
JO80NE	192
JN89QO	214
JN99IO	309
	JO60WP JO60WP JN78DR JN79NU JN89PR JN89VS JN99JQ JN89DO JN89EJ JN79XN JO80NE JN89QO

And that's all folks...

Matej, OK1TEH (OK2KKW/OK2A club)

ok1teh@seznam.cz