

Compilation of K6QXY Europe and N. Africa DX via 6M Es

K6QXY ¹	K6QXY ¹	DX	DX	K6QXY	Y Val	^x Val	MIDPOINT	MIDPOINT	WESTERN	EASTERN
Z- DATE	Z- TIME	CALL	GRID	DX (KM) ²	1 HOP	Est.	GRID ²	SOLAR STATUS	TERMINUS	TERMINUS
					Prob ³	Hops ²		Elevation ⁴ & LST	LST	LST
07/02/09	16:56	CT1HZE	IM57nh	9,199	0.758	5	FO74lw	57.5° S of 58.1° 12:56	9:56	17:56
06/07/10	18:31	SM5EDX	JO89fp	8,475	0.558	4	EQ80kq	41.3° S of 42.1° 14:31	11:31	20:31
06/10/10	16:34	CT1HZE	IM57nh	9,199	0.703	5	FO74lw	58.0° S of 58.1° 12:34	9:34	17:34
06/20/10	14:15	LA7HJA	JP50kp	8,210	0.731	4	EP79xc ⁵	35.4° R 10:15	7:15	16:15
06/20/10	14:54	SM4EMO	JO79oc	8,489	0.731	4	EQ80xh ⁵	37.9° R 10:54	7:54	16:54
07/05/10	1:35	CT1HZE	IM57nh	9,199	0.782	5	FO74lw	-4.2° S 21:35	18:35	2:35
07/08/11	16:40	CU2JT	HM77es	8,027	0.758	4	FN39ct ⁶	62.4° R 12:40	9:40	16:40
06/10/12 ⁷	17:25	PA2M	JO21ip	8,767	0.703	4	FP35wn ⁵	47.1° S of 47.5° 13:25	10:25	19:25
06/10/12	17:43	DL8YHR	JO41gv	8,907	0.703	5	FP47ea ⁵	45.2° S 13:43	10:43	19:43
06/10/12	17:43	ON4GB	JO20jl	8,871	0.703	4	FP45pg ⁵	46.7° S 13:43	10:43	19:43
06/29/12	16:51	ON4GG	JO20ar	8,816	0.703	4	FP45jb ⁵	48.1° MAX 12:51	9:51	18:51
06/29/12	17:54	SP3RNZ	JO92ef	9,245	0.703	5	FQ40ks ⁵	41.5° S 13:54	10:54	19:54
06/12/13	16:44	DL8YHR	JO41gv	8,907	0.731	5	FP47ea ⁵	46.2° MAX 12:44	9:44	18:44
06/12/13	16:53	S59A	JN76xq	9,687	0.731	5	FP88jp ⁵	44.1° S 12:53	9:53	18:53
06/12/13	16:58	9A8A	JN86dh	9,736	0.731	5	FP88qr ⁵	43.9° S 12:58	9:58	18:58
06/12/13	17:03	ON4GG	JO20ar	8,816	0.731	4	FP45jb ⁵	48.0° S 13:03	10:03	19:03
06/12/13	17:23	PA2M	JO21ip	8,767	0.731	4	FP35wn ⁵	47.3° S 13:23	10:23	19:23
06/17/13	18:48	OH1XT	KP01uk	8,438	0.673	4	EQ62ib	40.7° S of 41.3° 13:48	11:48	21:48
07/04/14	18:55	EA8DBM	IL18oh	9,323	0.805	5	FN77il	51.4° S 15:55	11:55	19:55
07/05/14 ⁸	17:53	EA8DBM	IL18oh	9,323	0.782	5	FN77il	59.5° S 14:53	10:53	18:53
07/06/14 ⁹	15:31	EA8DBM	IL18oh	9,323	0.758	5	FN77il	62.9° R 12:31	8:31	16:31
07/07/14	17:47	CT1HZE	IM57nh	9,199	0.847	5	FO74lw ⁵	54.2° S of 57.6° 13:47	10:47	18:47
07/07/14	17:49	EA7KW	IM67xi	9,374	0.847	5	FO85ex ⁵	52.7° S 14:49	10:49	19:49
06/02/15	23:08	EA8DBM	IL18oh	HEARD	0.639	5	FN77il	8.4° S 20:08	16:08	0:08
06/19/15	16:37	CT1HZE	IM57nh	9,199	0.782	5	FO74lw	58.4° S of 58.5° 12:37	9:37	17:37
06/21/15	16:54	IZ5EKV	JN53oq	9,787	0.703	5	FP95lq	47.1° S of 47.8° 12:54	9:54	18:54
06/21/15	17:29	S57RR	JN65um	9,726	0.703	5	FP87ui ⁵	44.4° S 13:29	10:29	19:29
06/21/15	17:38	9A5CW	JN65vg	9,753	0.703	5	FP97ah ⁵	44.0° S 13:38	10:38	19:38
06/21/15	18:02	SV1DH	KM27aw	10,881	0.703	5	GP59ex	37.8° S 15:02	11:02	21:02
06/29/15	16:55	EA8DBM	IL18oh	9,323	0.703	5	FN77il	65.0° S of 65.7° 13:55	9:55	17:55
06/10/16	17:20	CT1HZE	IM57nh	HEARD	0.703	5	FO74lw	56.2° S of 58.1° 13:20	10:20	18:20

Compilation of K6QXY Europe and N. Africa DX via 6M Es

06/10/16	17:37	EA8DBM	IL18oh	HEARD	0.703	5	FN77il	61.2° S of 65.6°	14:37	10:37	18:37
06/29/16	17:12	EA8DBM	IL18oh	HEARD	0.703	5	FN77il	63.9° S of 65.7°	14:12	10:12	18:12
06/30/16	16:22	EI3KD	IO51vw	8,147	0.673	4	FP21bh	51.0° R of 51.8°	12:22	9:22	17:22
07/06/16	16:48	CT1HZE	IM57nh	9,199	0.758	5	FO74lw	57.4° S of 57.7°	12:48	9:48	17:48
07/13/16	14:53	CT1HZE	IM57nh	HEARD	0.703	5	FO74lw	52.5° R of 56.8°	10:53	7:53	15:53
07/13/16	19:15	EA8DBM	IL18oh	HEARD	0.703	5	FN77il	47.7° S of 64.2°	16:15	12:15	20:15
07/20/16	16:28	EA8DBM	IL18oh	HEARD	0.673	5	FN77il	63.0° MAX	13:28	9:28	17:28
07/30/16	15:00	CT1HZE	IM57nh	HEARD	0.507	5	FO74lw	49.8° R of 53.4°	11:00	8:00	16:00
05/26/17	18:15	EA8DBM	IL18oh	HEARD	0.507	5	FN77il	54.8° S of 63.8°	15:15	11:15	19:15
06/11/17	15:29	CT1HZE	IM57nh	9,199	0.639	5	FO74lw	56.8° R of 58.2°	11:29	8:29	16:29
06/22/17	16:54	PA2M	JO21ip	HEARD	0.703	4	FP35wn	47.9° MAX	12:54	9:54	18:54
07/04/17	17:46	SM6CVX	JO78bk	8,535	0.805	4	EP99nw	42.8° S of 42.9°	13:46	10:46	19:46

K6QXY Parsed ACE and Potsdam Averaged data for only 1300 - 1900 UTC

K6QXY Es to Eu/ N. Afr. for:	27		Total Dates Sampled
K6QXY Parameter	LO	HIGH	AVE
Averaged SWS (kms)	281.6	525.4	370.4
Averaged Proton Density (p/cc)	0.4	13.3	4.6
Averaged ION Temp. (k)	16,457	125,617	50,330
Averaged MAG Bt	1.6	9.9	4.7
Averaged MAG Bz	-2.7	8.3	0.53
Averaged Potsdam Kp	0.33	3.89	1.23
% Days with -Bz Average	48.15%	41	Data Pts.

¹ All data worked or heard from K6QXY (CM88ql) and compiled by K1SIX with areas of possible interest highlighted.

² Estimated using custom software developed by K1SIX.

³ Estimated from K1SIX transatlantic data for a particular day. Use Y^x to determine probability for # of estimated hops shown. This estimate does not assume chordal extensions or path loss associated with return to earth. It is strictly based upon range and shown for informational purposes only that could aid in determining any chordal contribution. Shown as a decimal value.

⁴ Calculated using GJTracker by W7GJ in the Sun tracking mode for the particular time/date shown. R is rising, S is setting.

⁵ Significant time dependent evidence of very narrow footprint when viewed from the path midpoint perspective.

⁶ The CU2JT contact represents the lowest path mid point geographic latitude. On this same date, K1SIX worked CT1HZE on 70 Mhz crossband to 50 MHz at 1503 UTC.

⁷ On 6/10/12 K1SIX worked CT1HZE on 70MHz crossband to 50MHz at 1125 UTC.

⁸ On 7/5/14 K1SIX worked EA8DBM on 70MHz crossband to 50MHz at 2146 UTC.

Compilation of K6QXY Europe and N. Africa DX via 6M Es

⁹ On 7/6/14 K1SIX worked EA8DBM on 70MHz crossband to 50MHz at 1037 UTC.

0130Z=	2.3%	1530Z=	7.0%	1730Z=	34.9%	1930Z=	2.3%
1430Z=	7.0%	1630Z=	32.6%	1830Z=	11.6%	2330Z=	2.3%