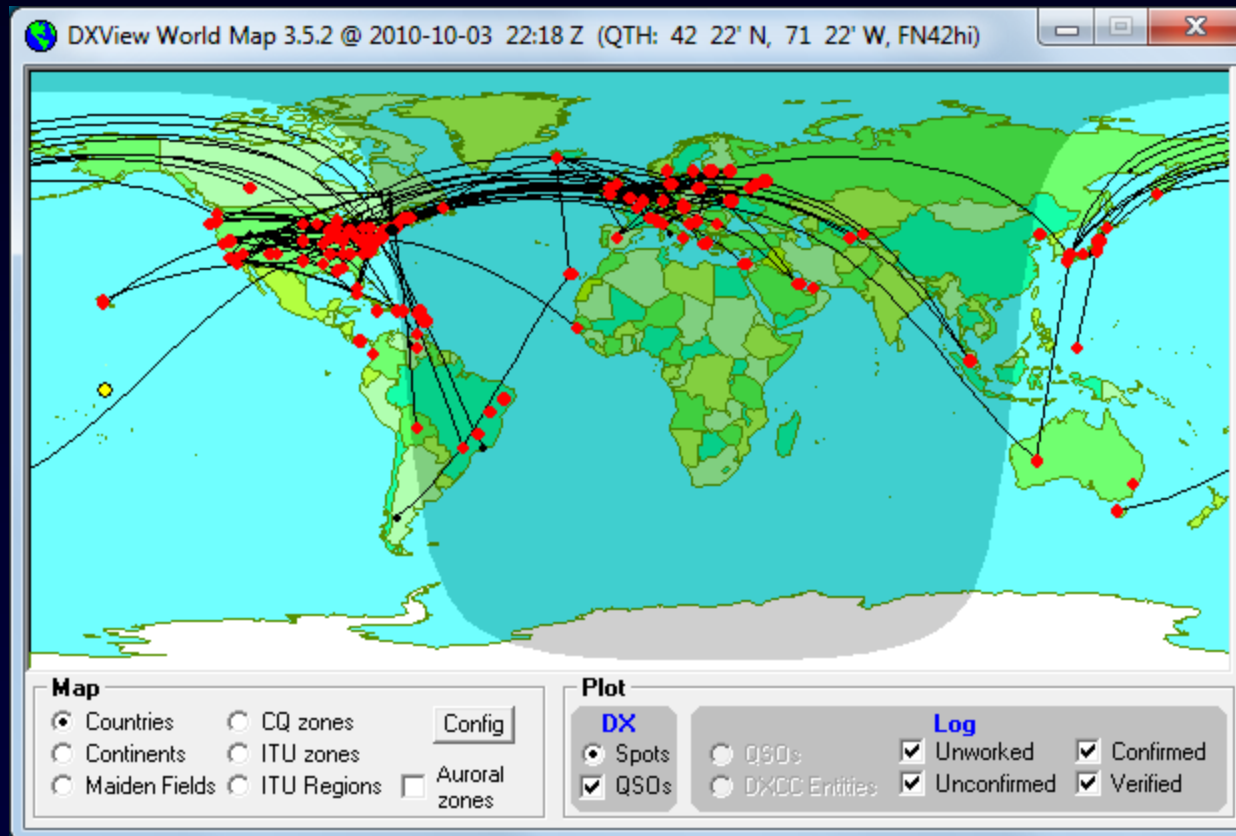


DXing with DXLab

v2.1 2016-05-05



Better DXing Through Software

DXing

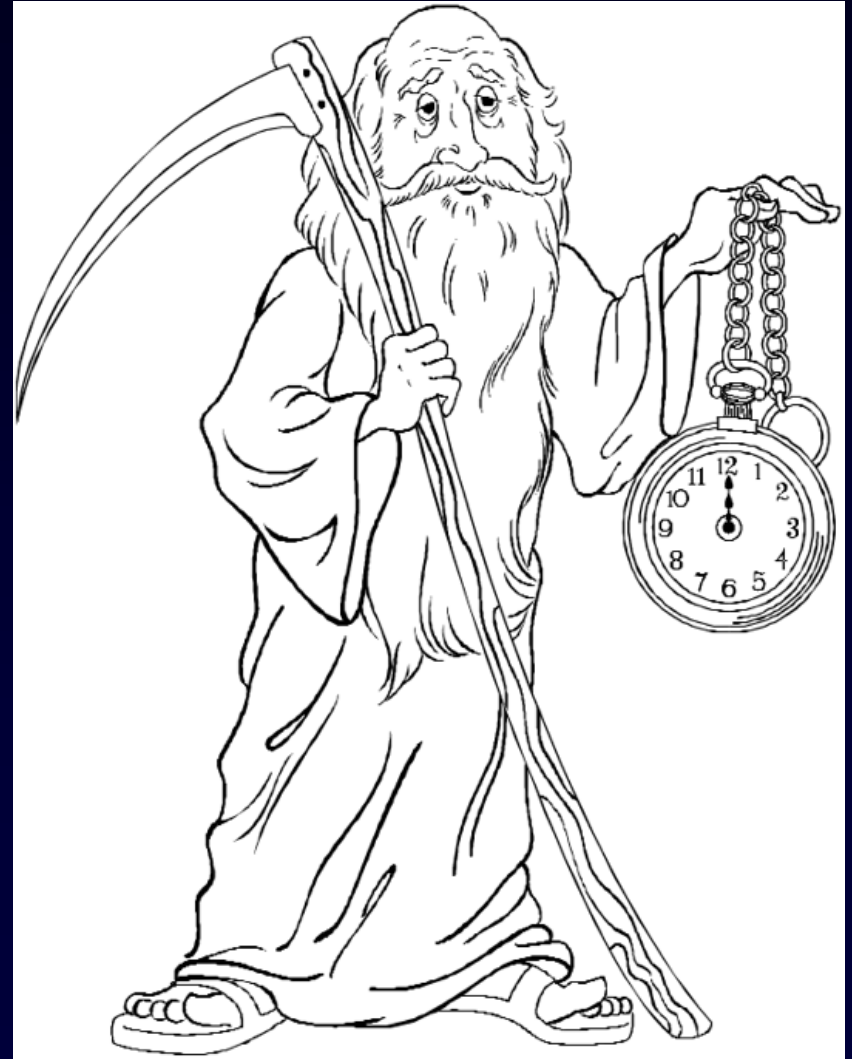
The art and science
of making two-way contacts
with distant amateur radio stations
using phone, CW, or digital modes

“Paperwork”

- Finding QSL routes
- Requesting confirmation via QSL cards, LotW, eQSL.cc
- Tracking confirmation requests
- Updating objectives as confirmations are received
- Submitting confirmations for Award Credit

“Paperwork”

- Finding QSL routes
- Requesting confirmation via QSL cards, LotW, eQSL.cc
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Better DXing Through Software

1. Automate “paperwork” to make more time for DXing
2. Make time spent DXing more productive
 - Find the DX you need
 - Work the DX you need

QSL Route Discovery

Pathfinder 4.7.6: results from VK Callbook for VK3ZL

2010 X HC VK3ZL Buck QRZ IK3QAR DXC OZ7C R 1 X 1 Config

← RAC VK CB eHAM DB0SDX 425DXN Google OZ7C IM Daily DX Help

acma.gov.au

Register of Radiocommunications Licences

Client Details

Client Number	128363
Contact Name	Robert William Briggs
Postal Address	11 Turnley St MERINO VIC 3310

[\[New Client Search \]](#)

Licences Held

Results 1 - 1 of 1 licences.

Licence No	Licence Type	Licence Category	Callsign	Ship name	Status
182834	Amateur	Advanced	VK3ZL		Issued

QSL Card Printing

DXKeeper Print Preview

Next

Print

Left margin: .117 in

Top margin: .117 in

Width: 10.333 in

Height: 8.267 in

Dave Bernstein

25 Glezen Lane

Wayland, MA 01778

AA6YQ

Middlesex County

FN42hi

USA

Confirming a 2X QSO with AP2TN

Date	Time	Freq	Mode	RST	QSL?	Notes
02-Sep-10	2058Z	10.102	CW	599	please!	

printed by DXLab freeware

www.dxlabsuite.com

Dave Bernstein

25 Glezen Lane

Wayland, MA 01778

AA6YQ

Middlesex County

FN42hi

USA

Confirming a 2X QSO with A51A

Date	Time	Freq	Mode	RST	QSL?	Notes
10-Sep-10	2354Z	7.005	CW	599	please!	

printed by DXLab freeware

www.dxlabsuite.com

Dave Bernstein

25 Glezen Lane

Wayland, MA 01778

AA6YQ

Middlesex County

FN42hi

USA

Confirming a 2X QSO with JT5DX

Date	Time	Freq	Mode	RST	QSL?	Notes
19-Sep-10	2323Z	18.075	CW	599		

printed by DXLab freeware

www.dxlabsuite.com

Dave Bernstein

25 Glezen Lane

Wayland, MA 01778

AA6YQ

Middlesex County

FN42hi

USA

Confirming 2X QSOs with VQ9LA

Date	Time	Freq	Mode	RST	QSL?	Notes
17-Sep-09	1522Z	18.087	CW	599		
21-Feb-10	0112Z	10.117	CW	599		
08-Aug-10	0144Z	7.002	CW	599		
28-Aug-10	0101Z	3.508	CW	599		

printed by DXLab freeware

www.dxlabsuite.com

QSL Card Printing

Wayland Massachusetts
Middlesex county

AA6YQ

Grid: FN42hi
42 20' N
71 25' W

Confirming a 2X QSO with 5T0JL via ON8RA

Date	Time	Freq	Mode	RST	QSL?	Notes
29-Jul-11	1906Z	24.894	CW	579		

printed by DXLab freeware

www.dxlabsuite.com



QSL Label Printing

DXKeeper Print Preview

Next Print Left margin: .117 in Width: 8.267 in Top margin: .117 in Height: 10.333 in

AA6YQ cfm a 2X QSO with AP2TN				
Date	Time	Freq	Mode	RST
02-Sep-10	2058Z	10.102	CW	599

AA6YQ cfm a 2X QSO with A51A				
Date	Time	Freq	Mode	RST
10-Sep-10	2354Z	7.005	CW	599

AA6YQ cfm a 2X QSO with JT5DX				
Date	Time	Freq	Mode	RST
19-Sep-10	2323Z	18.075	CW	599

AA6YQ cfm 2X QSOs with VQ9LA				
Date	Time	Freq	Mode	RST
17-Sep-09	1522Z	18.087	CW	
21-Feb-10	0112Z	10.117	CW	599
08-Aug-10	0144Z	7.002	CW	599

AA6YQ cfm 2X QSOs with VQ9LA				
Date	Time	Freq	Mode	RST
28-Aug-10	0101Z	3.508	CW	599

QSL “Aging”

AA6YQ QSL aging analysis @ 2014-09-04

```
missing DXCC entities:      0
missing DXCC entity-bands:  1
missing DXCC entity-modes:  0

missing VUCC grid-bands:    3

missing WAS states:         0
missing WAS state-bands:    0
missing WAS state-modes:    0

missing WAZ zones:         0
missing WAZ zone-bands:    1
missing WAZ zone-modes:    0
missing WAZ zone-band-modes 0

missing WPX prefixes:      0
missing WPX prefix-bands:  3
missing WPX prefix-modes:  0
```

Call	Band	Mode	QSO Date	DXCC	Grid1	State	CQ	WPX	QSL Date	Weeks	Need
LA6SL	6M	CW	2001-11-21	LA	JP50		14	LA6	2001-11-24	667	VUCC, WPX
CE4WJK	6M	SSB	2011-09-19	CE	FF45		12	CE4	2011-10-05	152	VUCC, WPX
TJ3SN	6M	CW	2014-05-10	TJ	JJ53		36	TJ3	2014-07-09	8	DXCC (entity-band), VUCC, WAZ, WPX

QSL Automation

- Generates QSL cards and Labels
- Generates Address labels or prints envelopes
- Support for eQSL.cc and ARRL's LotW
 - One-click upload
 - One-click download and update
 - Independent tracking
- Automatic upload to Club Log
- Generates files for
 - BV, QSL Maker, QSL Design and Print
 - Online QSL Request Service (OQRS), Global QSL

Award Tracking

- DXCC* & Challenge
- CQ DX
- CQ DX Marathon
- CQ Field
- Gridsquares
- IOTA
- TOPLIST
- VUCC
- Worked All Continents
- Worked All Europe
- Worked All Prefixes
- Worked All Zones
- Worked All British Areas
- Worked All Canadian Provinces
- Worked All French Departments
- Worked All German DOKs
- Worked All Holyland Areas
- Worked All Hungarian Counties
- Worked All Italian Provinces
- Worked All Japanese Cities
- Worked All Japanese Guns
- Worked All Japanese Prefectures
- Worked All Russian Oblasts
- Worked All Russian Districts
- Worked All US States
- Worked All US Counties

DXLab Objectives

1. Automate “paperwork” to make more time for DXing
2. Make time spent DXing more productive
 - Find the DX you need
 - Work the DX you need

DXing With DXLab

- Introduction to the DXLab Suite
 - Drivers
 - Architecture
 - Multiple Views of Active DX
- Finding the DX You Need
- Working the DX You Need

DXing With DXLab

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Drivers

1. User-driven iterative development

- Open Yahoo group with 5000+ participants
- Defect repairs get highest priority; goal is < 24 hours
- Public enhancement lists
- Frequent releases (several per month)

2. Easy to Use and Powerful

- Primarily for DXers
- Secondarily for casual operators

3. Runs on Windows NT, 2000, XP, Vista, 7, 8, and 10

- and Mac in a virtual machine
- and Linux in a virtual machine

DXing With DXLab

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the DXLab Suite

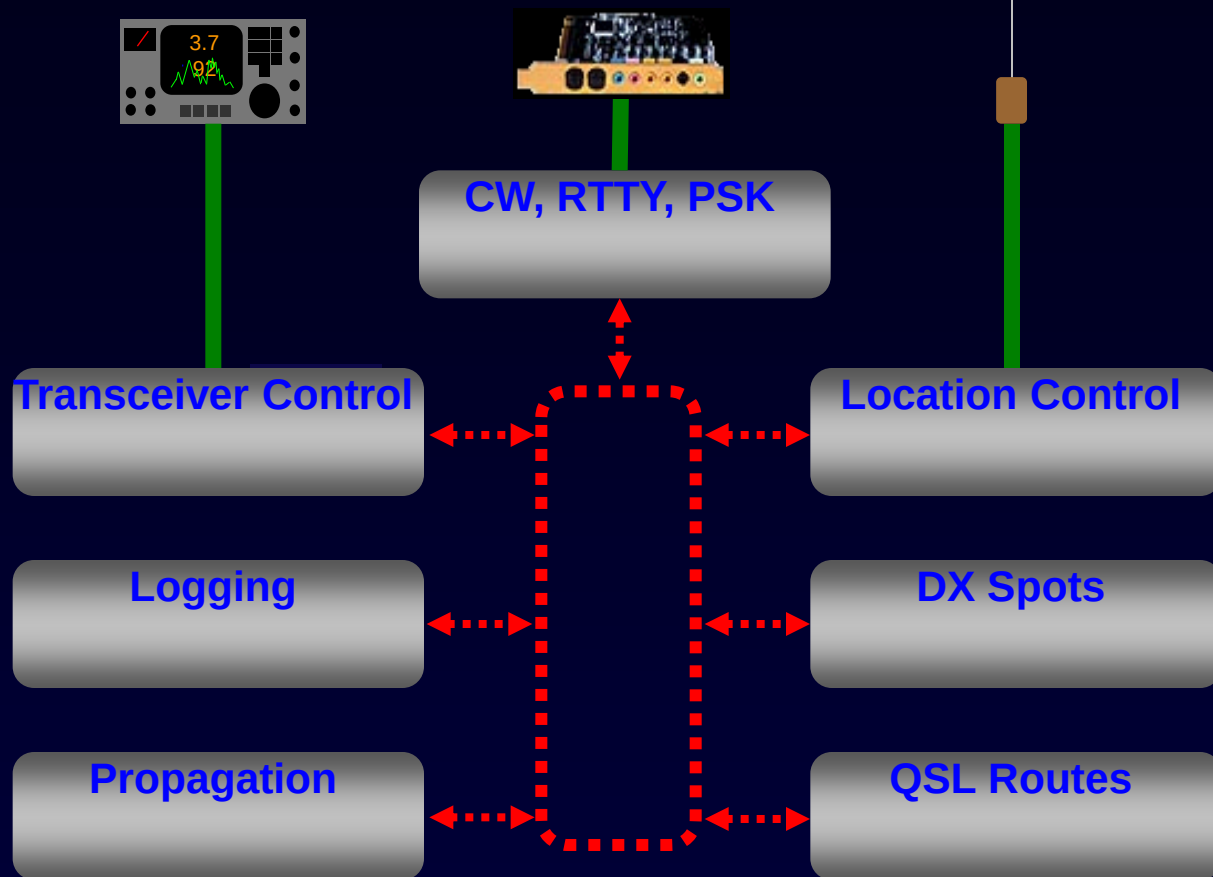
Eight free applications that run individually

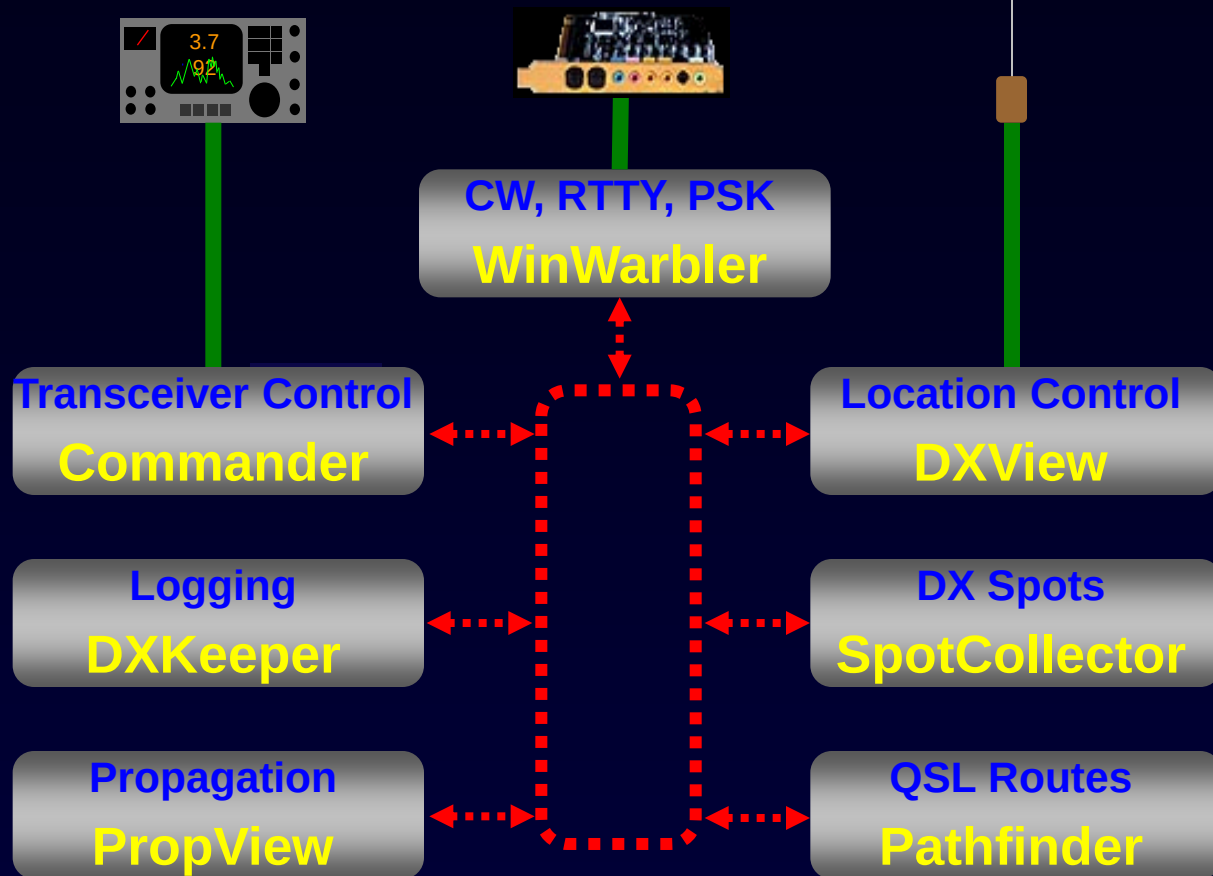
but

when run simultaneously sense each other's presence

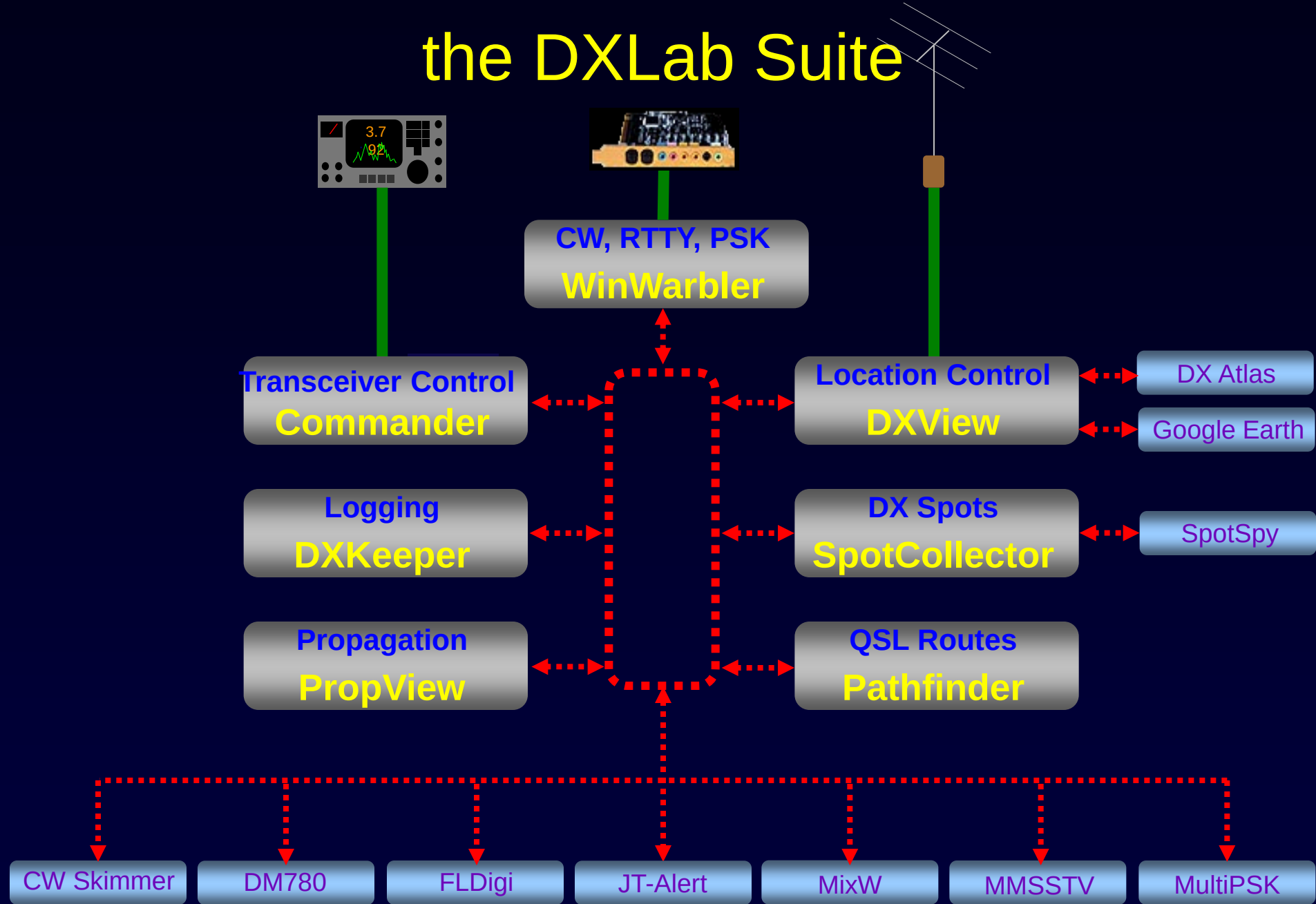
and

interoperate automatically





the DXLab Suite



A Suite of DXing Applications

DXKeeper 8.9.4 [CC,DXV,SC,WW] - AA6YQ.mdb : 18487 QSOs

Log QSOs QSL Check Progress my QTHs Import QSOs Export QSOs

QSO: Jordan
call JY4NE name QTH
mode RTTY via tx freq 14.086765 begin 9/20/2010 18:37
sent 599 rcvd 599 tx band 20M rx freq 14.086764 end 9/20/2010 18:37
power 1500 code 342 DXCC JY entity Jordan

New Save Undo CBA Delete Report Plot 18487 Adv RAT Capture Config Help

Call	DXCC	Starting UTC	Band	Mode	Sent	Rcvd	Name
JT50X	JT	9/19/2010 23:23	17M	CW	599	599	hadraabal
RKQAT	UA	9/20/2010 01:01	20M	RTTY	599	599	Vit
KP4JFR	KP4	9/20/2010 01:11	20M	RTTY	599	599	Jose
JY4NE	JY	9/20/2010 18:37	20M	RTTY	599	599	

Sort
UTC Call Adv Filter: None
EY7AD X Call DXCC Date Since Sel LotW Broke

SpotCollector 5.3.9 @ 2010-10-04 19:59 Z [CC,DXK,DXV,WW] (log: AA6YQ.mdb)

WwV 10-04 1806 Z
SRI 80 History
Q: 0 A 1 2 K

Outgoing spot
Call 14,086.2 Freq Cluster
Notes X Local

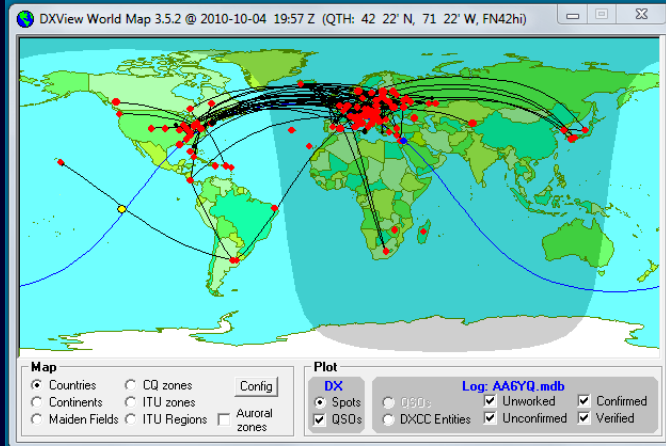
Spot source status
Report Stats Config Help

Callign	Pfx	Freq	Band	Mode	LastTime	Notes	NAE	NAM	NAW	SA	EU	AF	AS	OC	UN	LastOrig	Source
PS7DX	FY	14,018.3	20M	CW	10/4/2010 19:59	CQ 8 dB 21 WPM	Y	Y	Y		Y	Y				NA-E	N4ZR-#
SQ9CNS	SP	3,541.0	80M	CW	10/4/2010 19:59	CQ 16 dB 19 WPM					Y					EU	DL5Q-#
LA3TQ	LA	14,017.8	20M	CW	10/4/2010 19:59	CQ 18 dB 23 WPM					Y					EU	S5ZK-#
IK0RCD	I	14,025.6	20M	CW	10/4/2010 19:59	CQ 13 dB 18 WPM	Y	Y	Y							NA-M	K8ND-#
9A/SP9EVP	9A	7,017.0	40M	CW	10/4/2010 19:59	CQ 21 dB 26 WPM					Y					EU	DL5Q-#
UA9MA	UA0	1,822.5	160M	CW	10/4/2010 19:59	CQ 10 dB 25 WPM					Y					EU	EI6IZ-#

Sort
First Call
Last Freq
Rcv Az

Filter: Band and Mode
X Need Call DXCC Freq Tag Band Mode Cont Origin
AutoHide Audio LotW eQSL ALT SQL 1 SQL 2 SQL 3 SQL 4 SQL 5 SQL 6 SQL 7 SQL 8

Color codes
verified unworkd E
unneeded unworkd o
unconfmd special t



WinWarbler 6.8.5 for AA6YQ @ 2010-10-04 19:59 Z [CC,DXK,DXV,SC]

QSO Info (Receive Pane 0)
Call 2 EY7AD 1st S Name Rakhim
QSL Via DIRECT - I CQ 17 ITU 30 QTH 735700
Buro Grid MN30 Pri sub Sec sub
LotW IOTA Az Path S Comment

local: 2010-10-05 00:59 Xcvr Freq
RX 14,086.19
TX 14,086.19

QU0TH00 DX CQ DX DE SV1PAS SV1PAS PSE K
DS1PAUSSVPAS DEHPFF,PD1BPSE K...
))JTCQ DX CQ DX DE SV1PAS SV1PAS PSE EUU00ESQ DX CQ DX DE SV1PAS SV1PAS PSE K
S MSQVAS UV1PAS DE PD1ANB,PD1ANB
PSE K...90R2 0R2 0R2 DE SV1PAS SV1PAS PSE K

Commander 8.5.8 [Icom IC-7200] @ 19:59:42 Z 14,086.19 LSB

VFO A: 20M 9
14,086.19
VFO B 21,008.10
PTT: Rcvng
TX RX
AL-1200
Plate 7.75 Load 4 Band 20

Filters
Group normal
Width 0
PBT 1 50
PBT 2 50

Mode: LSB
LSB (normal) FM (wide)
USB (normal) AM (wide)
CW (narrow) RTTY (wide)
CW-R (narrow) RTTY-R (wide)

Bandsread Msgs Scan Memory Banks Config Help

Commander
Range
1 5 10 25 50 100
14,088.5
14,088.0 EI7BFB
14,087.5 EA4AHE
14,087.0
14,086.5 UR7ITU
14,086.0 PF7DKW
14,085.5 LX8RTTY
14,085.0 SP9GKJ
14,084.5
14,084.0
Band
160 80 60 40 30 20 17
15 12 10 6 4 2 7
Spotcollector Config Help

Macros: rty sample
F5 CQ F6 Call F7 Over F8 SK log ALT F9 ur rpt F10 tu log grz? F11 de mycall F12 mycall (3)
80m 40m 30m 20m 17m 15m 12m 10m
sh F5 sh F6 sh F7 sh F8 sh F9 sh F10 sh F11 sh F12

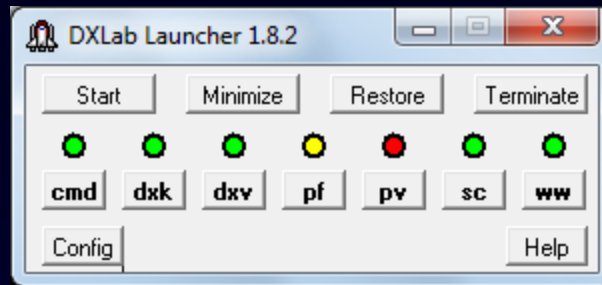
Operating Mode
CW PSK31
Phone PSK63
RTTY PSK125

RTTY receive (soundcard)
Freq 14,084.065
AFC Notch
BPF DPF
Reverse Def Opt
Signal level & squelch 61

RTTY transmit (soundcard)
Freq 14,084.065 net
Reverse F2 Start F4 Stop F5 Abort

Tuning Display
Vert height 2.0
Horiz zoom 1
Horiz pan 14086

Single Point of Control: DXLab Launcher



- Installation
- Upgrade
- Startup
- Shutdown

DXing With DXLab

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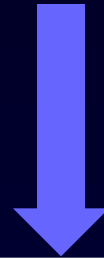
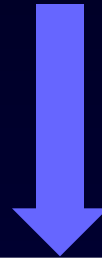
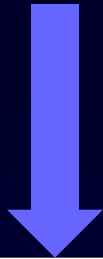
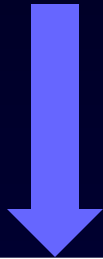
Active DX Database

Telnet
Clusters

Packet
Clusters

DX
Summit

Reverse
Beacon
Network



Call	Freq	QSO	Mode	First	Last	EU	AF	SA	NA-E	NA-M	NA-W	OC	
P5DX	14.005	14.007	CW	0117Z	0341Z	Y					Y	Y	
KP1RY	21.080	21.085	RTTY	0245Z	0356Z	Y	Y	Y	Y	Y			

Multiple Views of Active DX

DX Spot Sources



Active DX Database

What DX stations are QRV ?

Multiple Views of Active DX

DX Spot Sources



Active DX Database

Log Database

DXCC needs

IOTA needs

Leaderboard needs

Marathon needs

VUCC needs

WAS needs

WPX needs

WAZ needs

Logged
QSOs

What QSOs and QSLs are “Needed”
for the awards I’m pursuing ?

Multiple Views of Active DX

DX Spot Sources



Active DX Database

LotW
Database

eQSL AG
Database

What DX stations QSL
via LotW and eQSL ?

Log Database

DXCC needs

IOTA needs

Leaderboard needs

Marathon needs

VUCC needs

WAS needs

WPX needs

WAZ needs

Logged
QSOs

Tabular View of Active DX

DX Spot Sources

Active DX Database

LotW
Database

eQSL AG
Database

**View
Generator**

Log Database

DXCC needs

IOTA needs

Leaderboard needs

Marathon needs

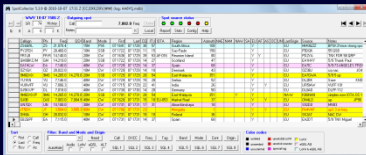
VUCC needs

WAS needs

WPX needs

WAZ needs

Logged
QSOs



The screenshot shows a software window with a menu bar and a toolbar. The main area contains a table with multiple columns and rows of data. The table has a header row with yellow background, and subsequent rows have alternating white and yellow backgrounds. The columns appear to contain various data points, possibly related to radio communication logs. The window title bar is visible at the top.

Tabular Display

Tabular View of Active DX

SpotCollector 5.3.9 @ 2010-10-07 17:31 Z [CC,DXK,DXV,WW] (log: AA6YQ.mdb)

WWV 10-07 1506 Z

SFI 74 History

Q: 0 A 6 2 K

Outgoing spot

Call 7,002.0 Freq Cluster

Notes X Local

Spot source status

Report Stats Config Help

Call	Sign	Pfx	Freq	QSL	Band	Mode	First	Last	CQ	ITU	IOTA	Region	Azimuth	NAE	NAM	NAW	SA	EU	AF	AS	OC	UN	LastOrigin	Source	Notes
ZS6GRL	ZS		21,070.4		15M	PSK	07 1641	07 1728	38	57		South Africa	108					Y					EU	MM0GZZ	BPSK31 nice strong qso
PY2FDX	PY		28,460.0		10M	SSB	07 1722	07 1728	11	15		Sao Paulo	158					Y					EU	F5DQK	55 QSB
FR1LB	FR-R		14,140.0		20M	CW	07 1636	07 1729	39	53	AF-016	Reunion Island	80					Y	Y				EU	PD2YA	TNX FOR 58 QRP
GM0BKC/M	GM		14,219.0		20M	SSB	07 1722	07 1729	14	27		Scotland	47					Y					EU	EA1HVV	5/9 Thank Paul
EA1HLW	EA		7,140.0		40M	CW	07 1729	07 1729	14	37		Spain	68					Y					EU	EA7IC	5/9-73 ANGELES FROM
OZ1GX	OZ		28,022.0		10M	CW	07 1729	07 1729	14	18		Denmark	43					Y					EU	OZ3BJ	cq nac J04
9M6DXX	9M6		14,265.0	14,270.0	20M	SSB	07 1729	07 1729	28	54		East Malaysia	351					Y					EU	EA7GWA	5/9 5 up
YU1KN	YU		7,146.0		40M	CW	07 1729	07 1729	15	28		Serbia	52					Y					EU	DL2BK	Sase KN0
VU0WFF	VU		7,006.3		40M	CW	07 1715	07 1729	22	41		India	26					Y		Y			EU	UR5IAW	VUFF-101
DJ5KX/P	DL		7,018.0		40M	CW	07 1730	07 1730	14	28		Germany	50					Y					EU	DL0AD	DLFF-112
9M6DXX/P	9M6		14,265.0	14,270.0	20M	SSB	07 1701	07 1731	28	54		East Malaysia	351			Y		Y					NA-W	KB6NAN	simplex now IOTA OC-1
OJ0B	OJ0		7,003.0	7,004.9	40M	CW	07 1620	07 1731	15	18	EU-053	Market Reef	37					Y		Y			EU	ON4LO	up JP90
UN7QX	UN		10,108.0		30M	CW	07 1731	07 1731	17	31		Alma-Atinskaya	18					Y					EU	S52DD	MN83
JT5DX	JT		3,504.0	3,505.3	80M	CW	07 1706	07 1731	23			Mongolia	1					Y		Y			EU	PA4VHF	up 1.3 sn freq
OH8A	OH		28,032.0		10M	CW	07 1731	07 1731	15	18		Finland	36					Y					EU	SK2AT	NAC CW
EB2GPF	EA		7,115.0		40M	CW	07 1731	07 1731	14	37		Spain	68					Y					EU	EA2DT	5/9 TNX Miguel

Sort: ☐ First ☐ Call ☒ Last ☐ Freq ☐ Rev ☐ Az

Filter: Band and Mode and Origin

AutoHide Audio LotW eQSL ALT

Call DXCC Freq Tag Band Mode Cont Origin

SQL 1 SQL 2 SQL 3 SQL 4 SQL 5 SQL 6 SQL 7 SQL 8

Color codes

- verified
- unneeded
- unconfmd
- unwrkd B or M
- unwrkd counter
- special tag
- LotW
- eQSL AG
- LotW & eQSL AG

Font color indicates "needed" DX stations

Background color indicates LotW and eQSL participation

Tabular View of Active DX

“Needed DX Only”

SpotCollector 5.3.9 @ 2010-10-07 17:33 Z [CC,DXK,DXV,WW] (log: AA6YQ.mdb)

WWV 10-07 1506 Z

Outgoing spot

Spot source status

Call: 7,002.0 Freq Cluster

Notes: X Local Report Stats Config Help

Call	Pfx	Freq	QSO	Band	Mode	First	Last	CQ	ITU	IOA	Region	Azimuth	NAE	NAM	NAW	SA	EU	AF	AS	OC	UN	LastOrigin	Source	Notes
KH2/N2NL	KH2	1,817.5		160M	CW	07 1123	07 1128	27	64	DC-026	Guam and Mariana I	321	Y	Y					Y			NA-E	K3TW/4	579 on 80m dipole in FL
XU7ACY	XU	1,815.0		160M	CW	07 1054	07 1149	26	49		Cambodia	4	Y						Y			AS	XU7TZG	cq
VK8VF/B	VK	50,310.0		6M	FM	07 1200	07 1200	29	55		Northern Territory	308							Y			AS	JE6AZU	539
BT4EXPQ	BY	1,815.0		160M	CW	07 1227	07 1227	24	44		Shang Hai	349							Y			AS	UA0BA	
VK8MS	VK	50,110.0		6M	SSB	07 1228	07 1228	29	55		Northern Territory	308							Y			AS	JE6AZU	59 IN PM51 P
BU2AQ	BV	1,822.6		160M	CW	07 1317	07 1317	24	44		Taiwan	346			Y							NA-W	N6VR/7	cq, now 559
JT5DX	JT	3,504.1		80M	CW	07 1330	07 1353	23			Mongolia	1			Y				Y			NA-W	N6ZN	459 n. ca
9M6XRD/P	9M6	10,107.3		30M	CW	07 1449	07 1449	28	54		East Malaysia	351					Y					EU	DL4NY	OC133 Tks John & Stev
9M6DX/P	9M6	10,104.0	10,105.0	30M	CW	07 1450	07 1450	28	54		East Malaysia	351					Y					EU	RA7A	UP
V85TL	V8	3,504.0		80M	CW	07 1516	07 1516	28	54		Brunei	351					Y					EU	SM5CRV	cq
V85TL	V8	10,107.4		30M	CW	07 1524	07 1524	28	54		Brunei	351			Y							NA-W	KD7H	now hr clg CQ
V85TL	V8	10,103.1		30M	CW	07 1528	07 1602	28	54		Brunei	351			Y		Y					EU	SP9CDA	Tnx
9M6XRD/P	9M6	10,104.0	10,107.0	30M	CW	07 1415	07 1720	28	54		East Malaysia	351	Y	Y			Y		Y			EU	LZ2NP	up
JT5DX	JT	3,504.0	3,505.3	80M	CW	07 1706	07 1731	23			Mongolia	1					Y		Y			EU	PA4VHF	up1.3 sri freq

Sort: First Call Last Freq Rcv Az

Filter: Band and Mode and Origin and [entity- band or mode unworked]

Need Call DXCC Freq Tag Band Mode Cont Origin

AutoHide Audio LotW eQSL ALT SQL 1 SQL 2 SQL 3 SQL 4 SQL 5 SQL 6 SQL 7 SQL 8

Color codes: verified, unneeded, unconfmd, unwrkd B or M, unwrkd counter, special tag, LotW, eQSL AG, LotW & eQSL AG

Font color indicates “needed” DX stations

Background color indicates LotW and eQSL participation

Tabular View of Active DX

“Needed and spotted from NA-E”

SpotCollector 5.3.9 @ 2010-10-07 17:34 Z [CC,DXK,DXV,WW] (log: AA6YQ.mdb)

WWV 10-07 1506 Z

Outgoing spot

Call: 7,002.0 Freq Cluster

Notes: X Local

Spot source status

Report Stats Config Help

Callsign	Pfx	Freq	QSO	Band	Mode	First	Last	CQ	ITU	IOTA	Region	Azimuth	NAE	NAM	NAW	SA	EU	AF	AS	OC	UN	LastOrigin	Source	Notes
KH2/N2NL	KH2	1,817.5		160M	CW	07 1123	07 1128	27	64	OC-026	Guam and Mariana I	321	Y	Y					Y			NA-E	K3TW/4	579 on 80m dipole in FL.
XU7ACY	XU	1,815.0		160M	CW	07 1054	07 1149	26	49		Cambodia	4	Y						Y			AS	XU7TZG	cq

Sort: First Last Freq Rcv Az

Filter: Band and Mode and Origin and [entity- band or mode unworked]

AutoHide Audio LotW eQSL ALT SQL 1 SQL 2 SQL 3 SQL 4 SQL 5 SQL 6 SQL 7 SQL 8

Color codes

- verified unneeded unconfmrd
- unwrkd B or M unwrkd counter special tag
- LotW eQSL AG LotW & eQSL AG

Font color indicates “needed” DX stations

Background color indicates LotW and eQSL participation

Tabular View of Active DX

in a web browser from anywhere

SpotCollector DX Spots x

dxlab/spots

iGoogle DXLab SF Trusted QSL DX Status Foliage

SFI = 137, A = 4, K = 2

DX Spots @ 5/12/2013 0615Z

50096.55 USB

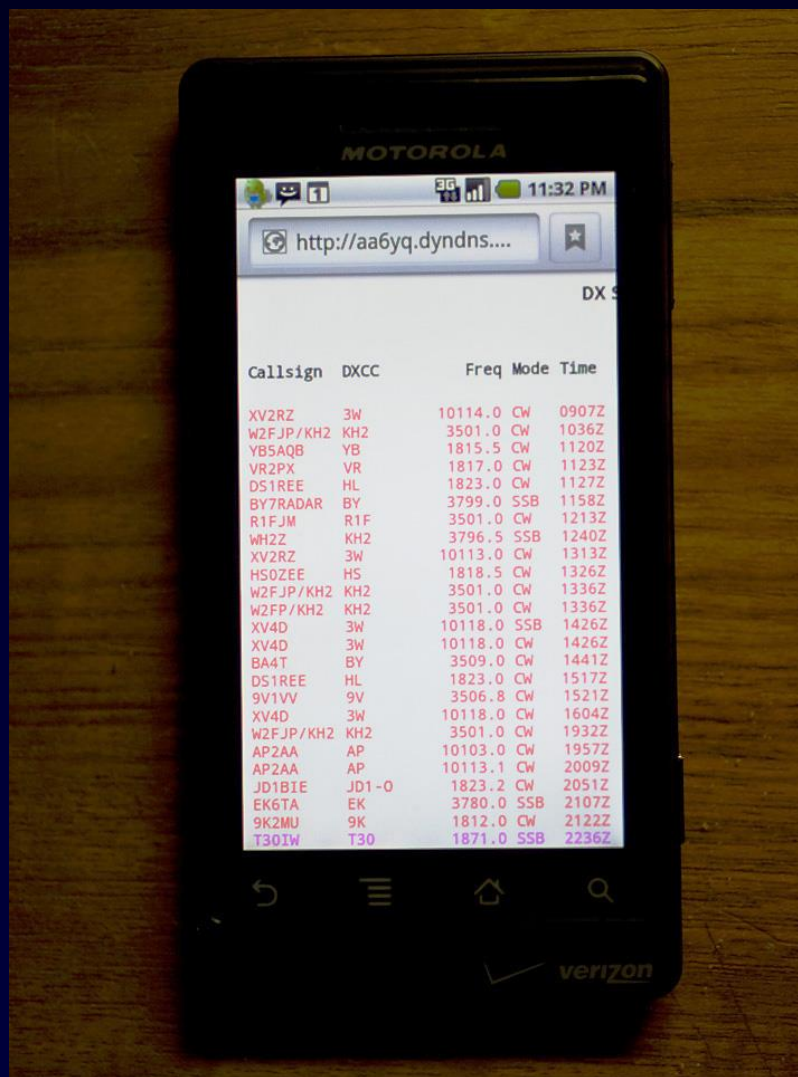
Callsign	DXCC	Freq	Mode	Source	NAE	LastTime	Notes	DXCC Entity	Network
VU7KV	VU7	28,494.0	SSB	VK3SX		05-May-13 0508Z	Tnx fb signals VK3	Lakshadweep Islands	EI7MRE
VU7KV	VU7	28,518.0	SSB	VK2DAG-@		05-May-13 0531Z	VK/ZL only	Lakshadweep Islands	CQDX
VU7KV	VU7	24,960.0	SSB	RU6L		05-May-13 0641Z	simplex	Lakshadweep Islands	VE1DX
VU7KV	VU7	24,960.0	SSB	F4FEP		05-May-13 1200Z	but bad grg qrm here 970 NA	Lakshadweep Islands	EI7MRE
VU7KV	VU7	24,950.0	SSB	K5OA		05-May-13 1529Z	no copy my gth esp only	Lakshadweep Islands	VE1DX
VU7KV	VU7	24,961.6	SSB	IWOHBY	Y	05-May-13 1707Z	nw strong	Lakshadweep Islands	EI7MRE
VU7KV	VU7	24,962.0	SSB	W4QN	Y	05-May-13 1928Z	not VU7 he is QRT and on a boa	Lakshadweep Islands	VE1DX
P51X	P5	21,030.0	CW	OH6PP-@		09-May-13 0927Z	correction call	DPRK (North Korea)	CQDX
VK9NT	VK9-N	1,821.7	CW	K5UR		09-May-13 1111Z		Norfolk Is	CQDX
9M2AX	9M2	1,831.5	CW	YC1COZ		09-May-13 1154Z	cq cq	West Malaysia	VE1DX
ZD8VHF/B	ZD8	50,032.5	CW	K1TOL	Y	09-May-13 2124Z	weak, in/out>ME	Ascension Island	EI7MRE
VK9NT	VK9-N	1,807.9	CW	JK7LXU		09-May-13 2154Z	UP1 599 TNX	Norfolk Is	JH1RFM
YC1COZ	YB	1,806.5	CW	9M2AX		09-May-13 2232Z	cqng	Indonesia	EI7MRE
9M2AX	9M2	1,831.5	CW	YC1COZ		09-May-13 2255Z	cq cq	West Malaysia	EI7MRE
ZD8VHF/B	ZD8	50,032.7	CW	N3DB	Y	10-May-13 2101Z	419	Ascension Island	VE1DX
UP0L	UN	1,834.7	CW	RX9CAZ		11-May-13 2031Z	MN83	Kazakhstan	VE7CC
CX2TQ	CX	50,115.0	SSB	N3DB	Y	11-May-13 2041Z	S9	Uruguay	VE1DX
CX9AU	CX	50,110.0	CW	N3DB	Y	11-May-13 2045Z	S9 cw	Uruguay	EI7MRE
CX2TQ	CX	50,110.0	SSB	K7BV	Y	11-May-13 2048Z	55 SSB	Uruguay	EI7MRE
CX9AU	CX	50,098.0	CW	K4QI-@	Y	11-May-13 2118Z	em85<>gf15 cqng 559	Uruguay	CQDX

Filter: Band and Mode and Cont and Origin and [entity-band unworked or unconfirmed, or entity-mode unworked or unconfirmed]

X Need Call DXCC Freq Tag Band Mode Cont Orig SQL Config

Tabular View of Active DX

in a web browser from anywhere



Audio and Email Views of Active DX

DX Spot Sources

Active DX Database

**View
Generator**

LotW
Database

eQSL AG
Database

Log Database

DXCC needs

IOTA needs

Leaderboard needs

Marathon needs

VUCC needs

WAS needs

WPX needs

WAZ needs

Logged
QSOs



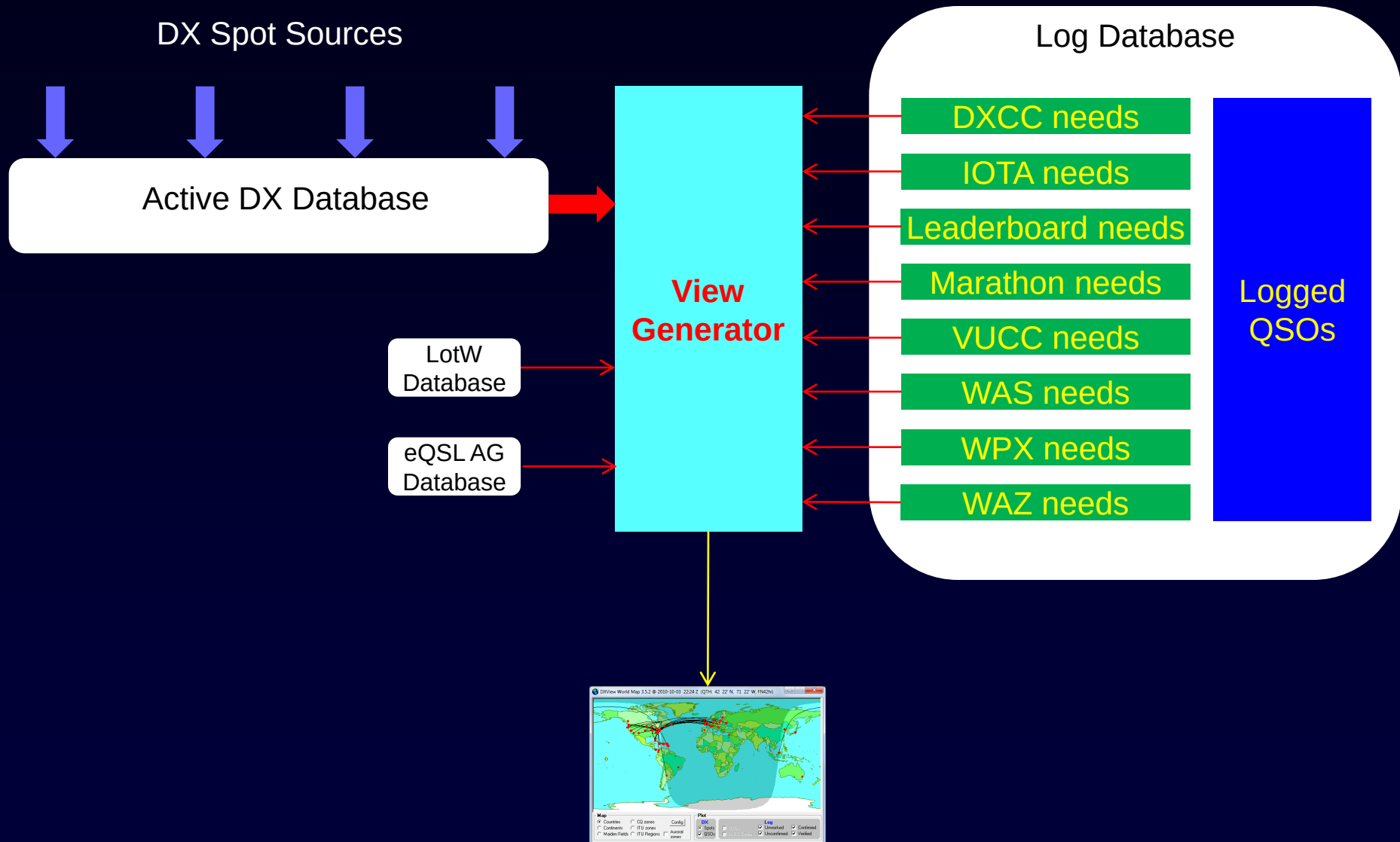
Audio & Email

Audio and Email Views of Active DX

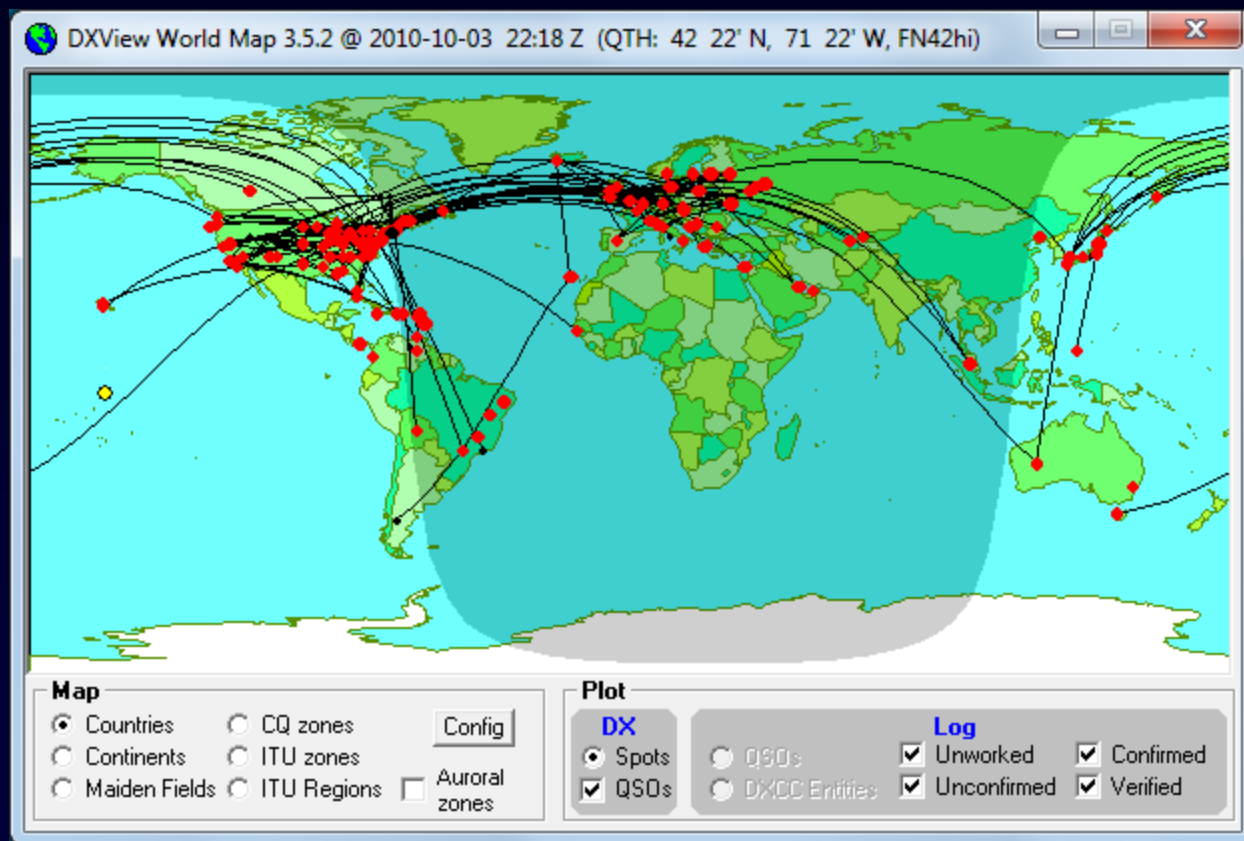
Creation of a new Active DX Database Entry for a needed DX station can trigger

- an audio announcement (callsign, “counter”, band, mode)
- an outgoing email message (which can initiate a text message)

World Map View of Active DX



World Map View of Active DX



World Map View of Active DX

Controlling the Map View

The screenshot shows the 'DXView Configuration' window with the 'Plot Settings' tab selected. The window has a standard Windows-style title bar and a tabbed interface with tabs for 'General', 'Plot Settings', 'Rotator Control', 'World Map', 'Overrides', and 'Databases'. The 'Plot Settings' tab contains several filter sections: 'Selection', 'Band Filter', 'Mode Filter', 'Continent Filter', and 'Origin Filter'. The 'Selection' section has radio buttons for 'Spots' and 'QSOs', a checked checkbox for 'QSOs', and a text box for 'Lifetime (hrs)' set to '10'. There are also checkboxes for 'Unworked', 'Unconfirmed', 'Confirmed', and 'Verified'. The 'Band Filter' section has checkboxes for various frequency bands from 160m to 70cm, with '160m' through '2m' checked. Below the checkboxes are buttons for 'Xcvr band only', 'Top', 'Low', 'Tri', 'Warc', 'VHF', 'None', and 'All'. The 'Mode Filter' section has checkboxes for various communication modes, with 'SSB', 'CW', 'RTTY', 'AM', 'FM', and '?' checked. Below the checkboxes are buttons for 'None' and 'All'. The 'Continent Filter' section has checkboxes for various continents, with 'NA', 'SA', 'EU', 'AF', 'AS', 'OC', and 'AN' checked. Below the checkboxes are buttons for 'None' and 'All'. The 'Origin Filter' section has checkboxes for various origin codes, with 'NAE', 'NAM', 'NAW', 'SA', 'EU', 'AF', 'AS', 'OC', and '?' checked. Below the checkboxes are buttons for 'None' and 'All'.

DXView Configuration

General **Plot Settings** Rotator Control World Map Overrides Databases

Selection

☐ Spots
☒ QSOs
10 Lifetime (hrs)

☐ QSOs
☐ DXCC Entities

☐ Unworked
☐ Unconfirmed
☐ Confirmed
☐ Verified

Band Filter

☒ 160m ☒ 80m ☒ 60m ☒ 40m ☒ 30m ☒ 20m ☒ 17m ☒ 15m ☒ 12m ☒ 10m ☒ 6m ☒ 4m ☒ 2m ☐ 70cm ☐ ?

☐ Xcvr band only Top Low Tri Warc VHF None All

Mode Filter

☒ SSB ☒ CW ☒ RTTY ☒ AM ☒ FM ☒ ? None All

☒ Amtor ☒ Ascii ☒ ATV ☒ Chip64 ☒ Clover ☒ FAX ☒ FSK31 ☒ FSK441 ☒ GTOR

☒ Hell ☒ HFSK ☒ JT44 ☒ JT65 ☒ MFSK8 ☒ MFSK16 ☒ MT63 ☒ Olivia ☒ Packet

☒ Pactor ☒ Pactor2 ☒ Pactor3 ☒ PSK31 ☒ PSK63 ☒ PSK125 ☒ Q15 ☒ SSTV ☒ Throb

Continent Filter

☒ NA ☒ SA ☒ EU ☒ AF ☒ AS ☒ OC ☒ AN ☐ ? None All

Origin Filter

☒ NAE ☒ NAM ☒ NAW ☒ SA ☒ EU ☒ AF ☒ AS ☒ OC ☐ ? None All

World Map View of Active DX

Controlling the Map View

The screenshot shows the 'DXView Configuration' window with the 'Plot Settings' tab selected. The window has a standard Windows-style title bar and a tabbed interface with tabs for 'General', 'Plot Settings', 'Rotator Control', 'World Map', 'Overrides', and 'Databases'. The 'Plot Settings' tab contains several filter sections: 'Selection', 'Band Filter', 'Mode Filter', 'Continent Filter', and 'Origin Filter'. The 'Selection' section has radio buttons for 'Spots' and 'QSOs', a checked checkbox for 'QSOs', and a text box for 'Lifetime (hrs)' set to '10'. There are also checkboxes for 'Unworked', 'Unconfirmed', 'Confirmed', and 'Verified'. The 'Band Filter' section has checkboxes for various frequency bands (160m, 80m, 60m, 40m, 30m, 20m, 17m, 15m, 12m, 10m, 6m, 4m, 2m, 70cm, ?) and a checked checkbox for 'Xcvr band only'. Below the band filters are buttons for 'Top', 'Low', 'Tri', 'Warc', 'VHF', 'None', and 'All'. The 'Mode Filter' section has checkboxes for various modes (SSB, CW, RTTY, AM, FM, ?, Amtor, Ascii, ATV, Chip64, Clover, FAX, FSK31, FSK441, GTOR, Hell, HFSK, JT44, JT65, MFSK8, MFSK16, MT63, Olivia, Packet, Pactor, Pactor2, Pactor3, PSK31, PSK63, PSK125, Q15, SSTV, Throb) and buttons for 'None' and 'All'. The 'Continent Filter' section has checkboxes for continents (NA, SA, EU, AF, AS, OC, AN, ?) and buttons for 'None' and 'All'. The 'Origin Filter' section has checkboxes for origins (NAE, NAM, NAW, SA, EU, AF, AS, OC, ?) and buttons for 'None' and 'All'.

DXView Configuration

General **Plot Settings** Rotator Control World Map Overrides Databases

Selection

☐ Spots
☒ QSOs
10 Lifetime (hrs)

☐ QSOs
☐ DXCC Entities

☐ Unworked
☐ Unconfirmed
☐ Confirmed
☐ Verified

Band Filter

☒ 160m ☐ 80m ☐ 60m ☐ 40m ☐ 30m ☐ 20m ☐ 17m ☐ 15m ☐ 12m ☐ 10m ☐ 6m ☐ 4m ☐ 2m ☐ 70cm ☐ ?

☐ Xcvr band only

Top Low Tri Warc VHF None All

Mode Filter

☒ SSB ☒ CW ☒ RTTY ☒ AM ☒ FM ☒ ?

☒ Amtor ☒ Ascii ☒ ATV ☒ Chip64 ☒ Clover ☒ FAX ☒ FSK31 ☒ FSK441 ☒ GTOR

☒ Hell ☒ HFSK ☒ JT44 ☒ JT65 ☒ MFSK8 ☒ MFSK16 ☒ MT63 ☒ Olivia ☒ Packet

☒ Pactor ☒ Pactor2 ☒ Pactor3 ☒ PSK31 ☒ PSK63 ☒ PSK125 ☒ Q15 ☒ SSTV ☒ Throb

None All

Continent Filter

☒ NA ☒ SA ☒ EU ☒ AF ☒ AS ☒ OC ☒ AN ☐ ?

None All

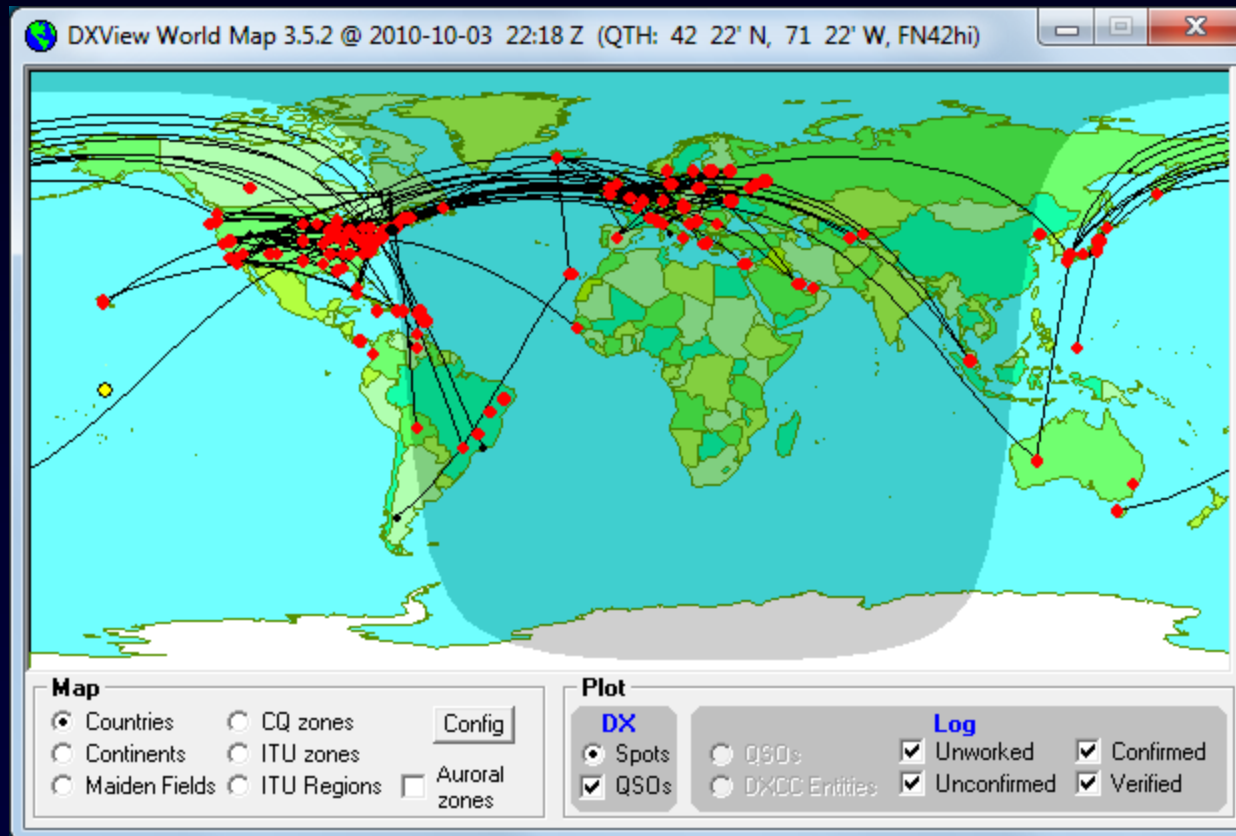
Origin Filter

☒ NAE ☒ NAM ☒ NAW ☒ SA ☒ EU ☒ AF ☒ AS ☒ OC ☐ ?

None All

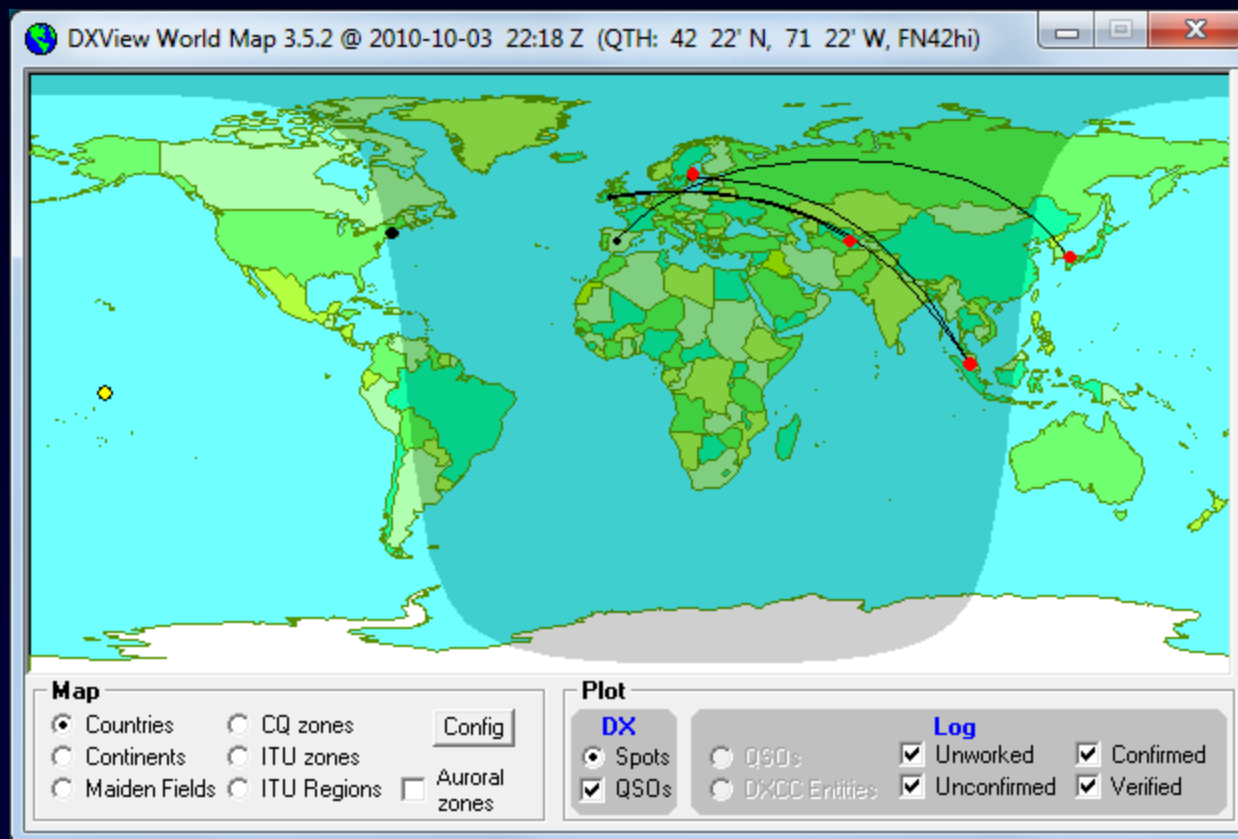
World Map View of Active DX

“all active DX”



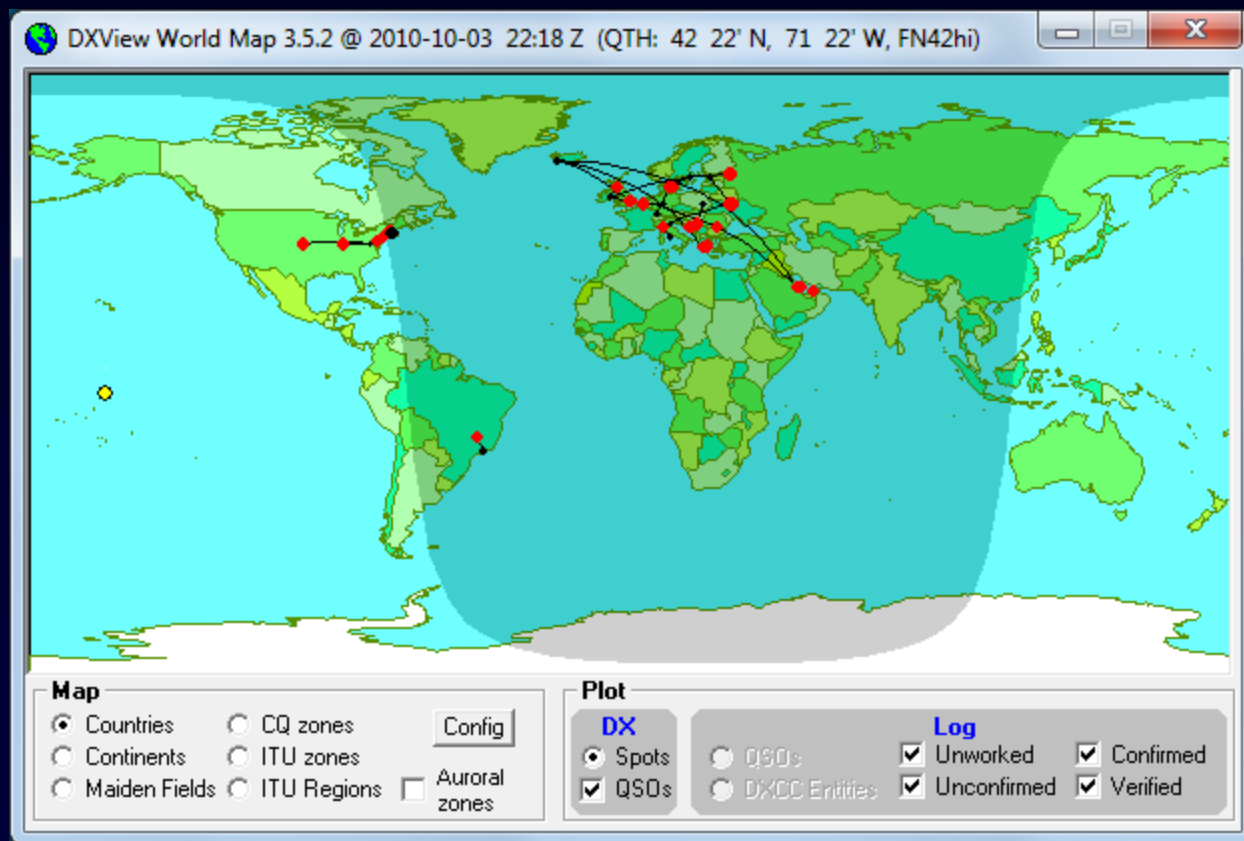
World Map View of Active DX

“160m”



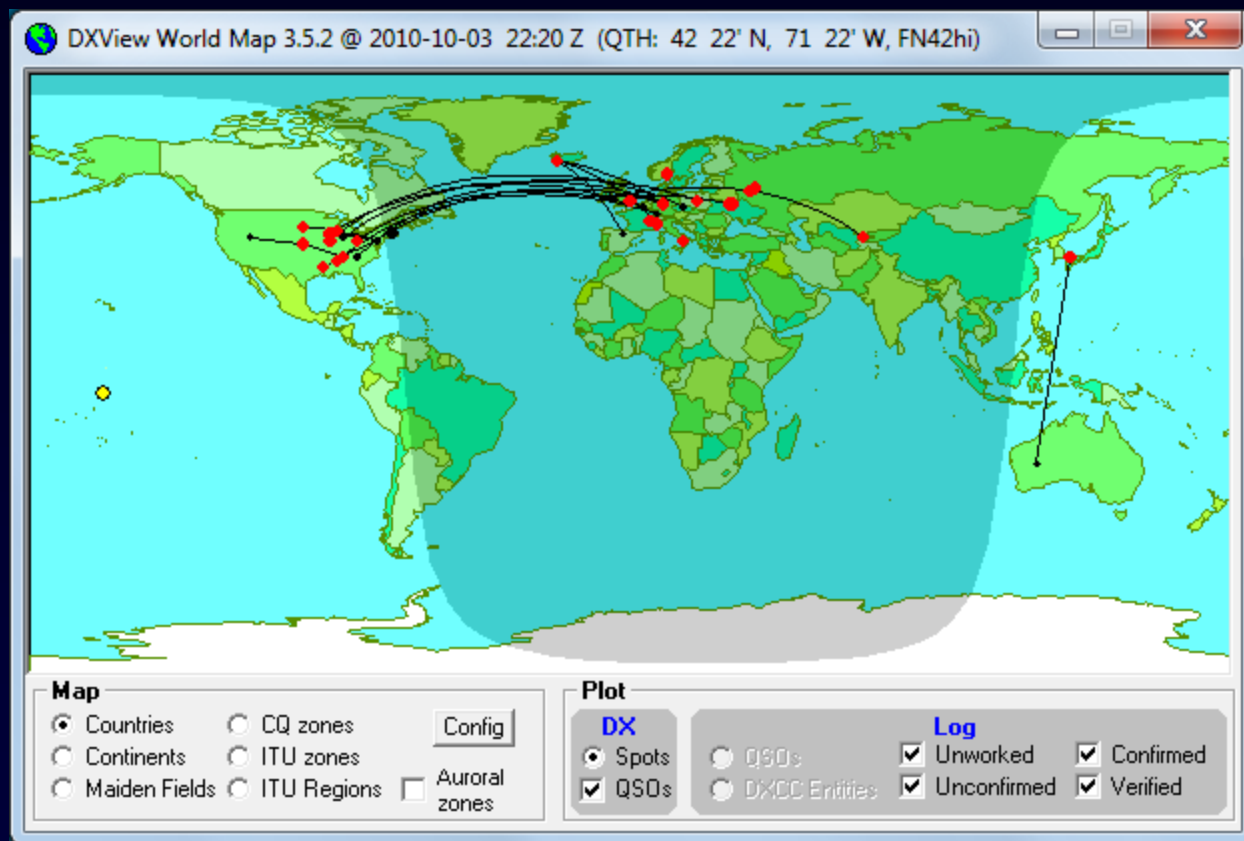
World Map View of Active DX

“80m”



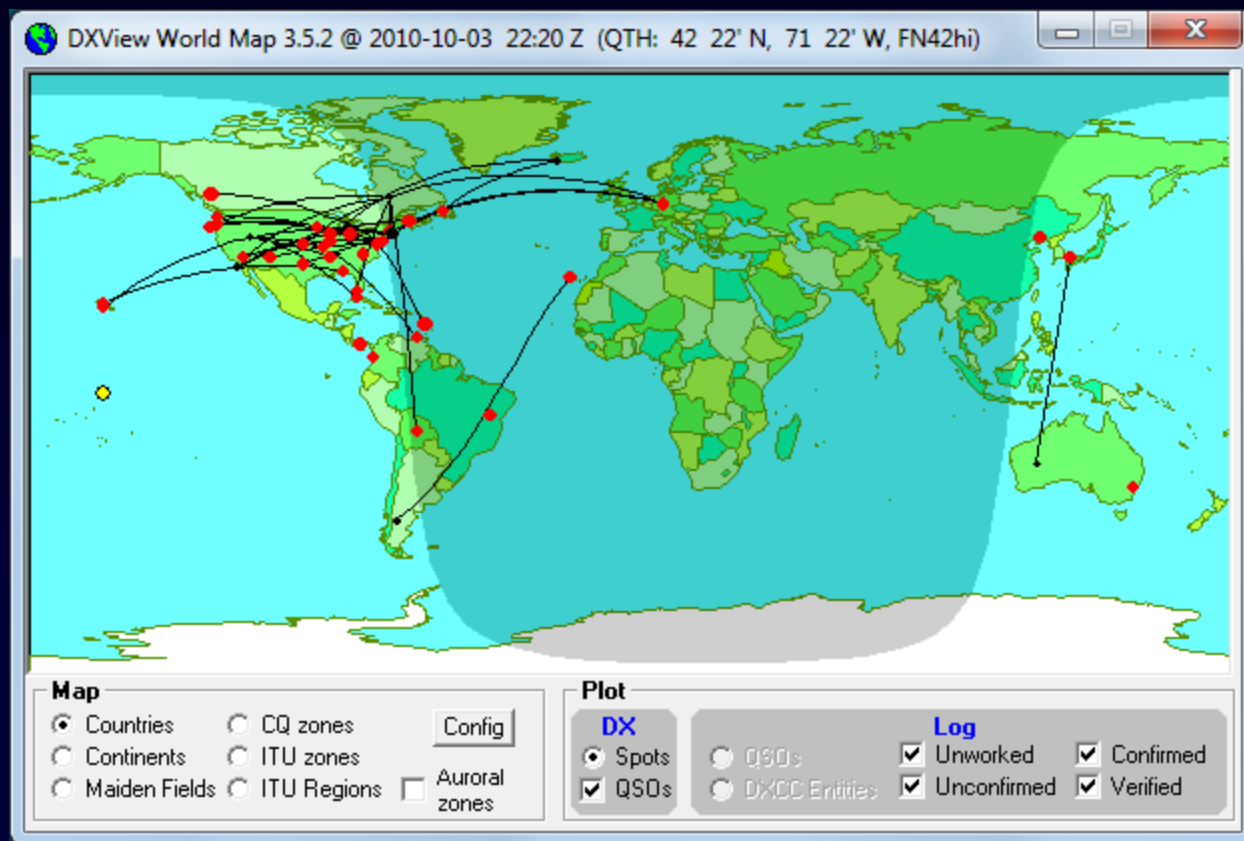
World Map View of Active DX

“40m”



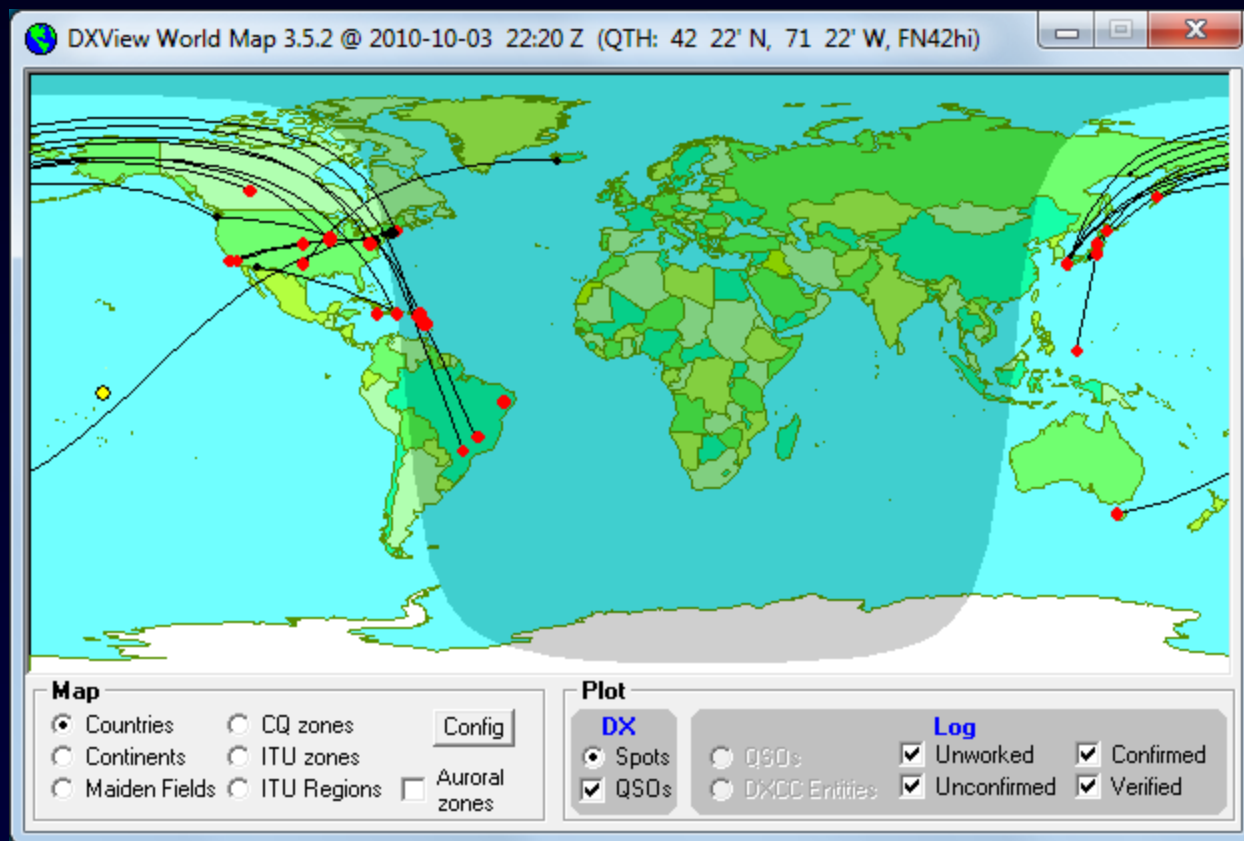
World Map View of Active DX

“20m”



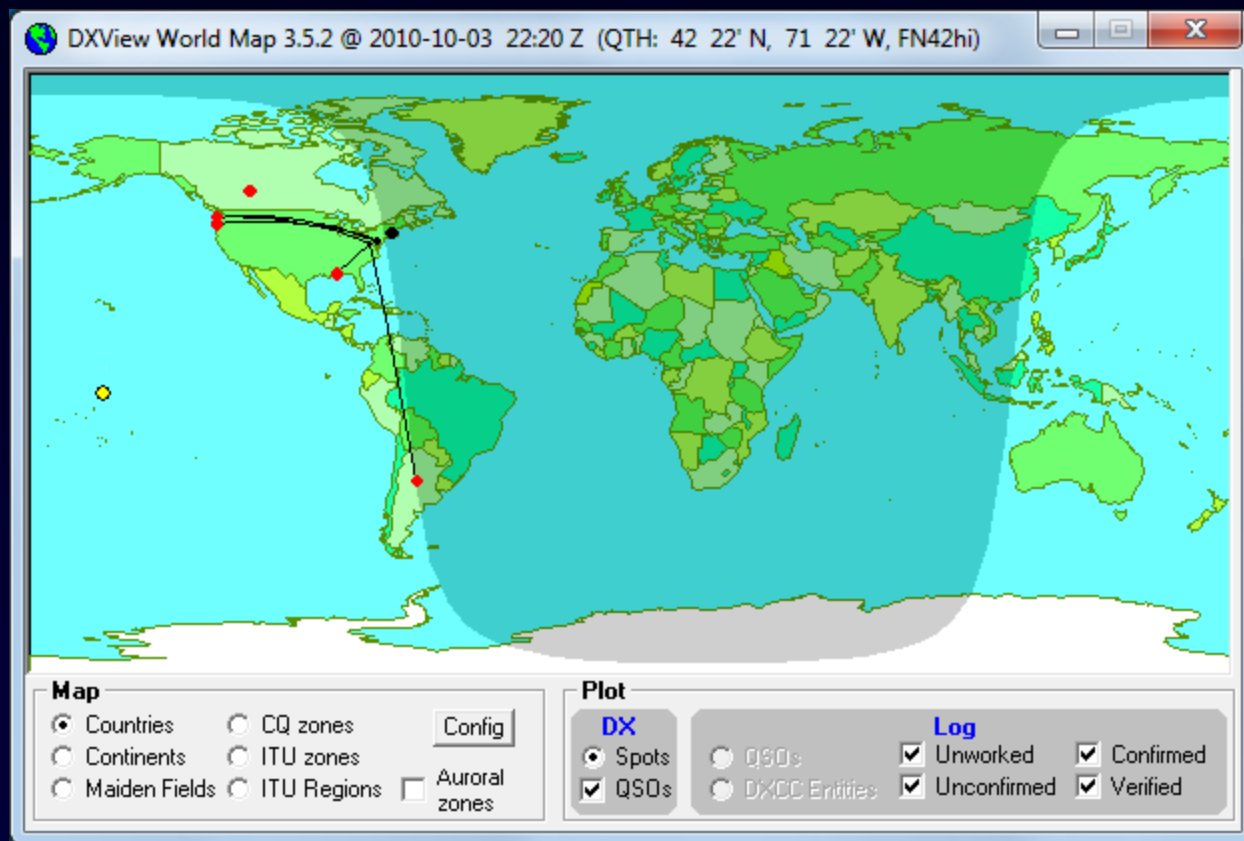
World Map View of Active DX

“17m”



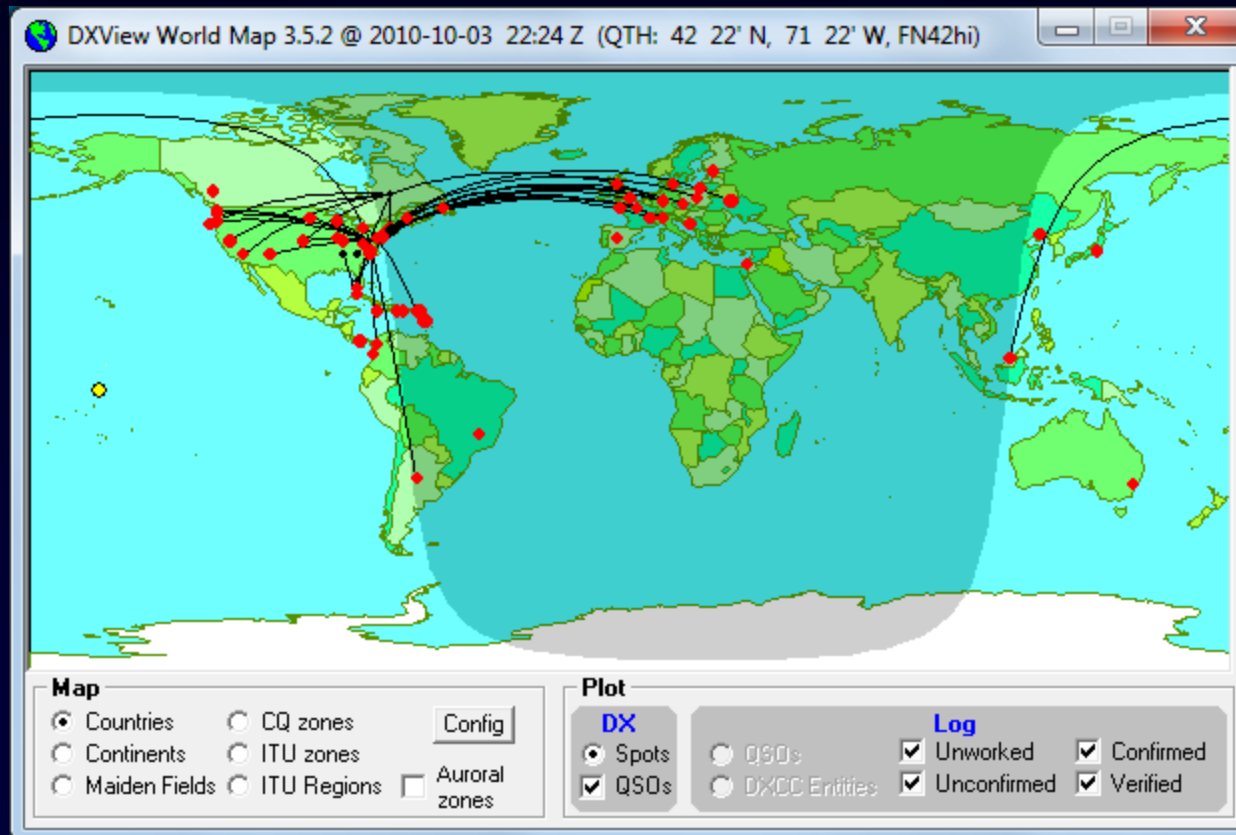
World Map View of Active DX

“15m”



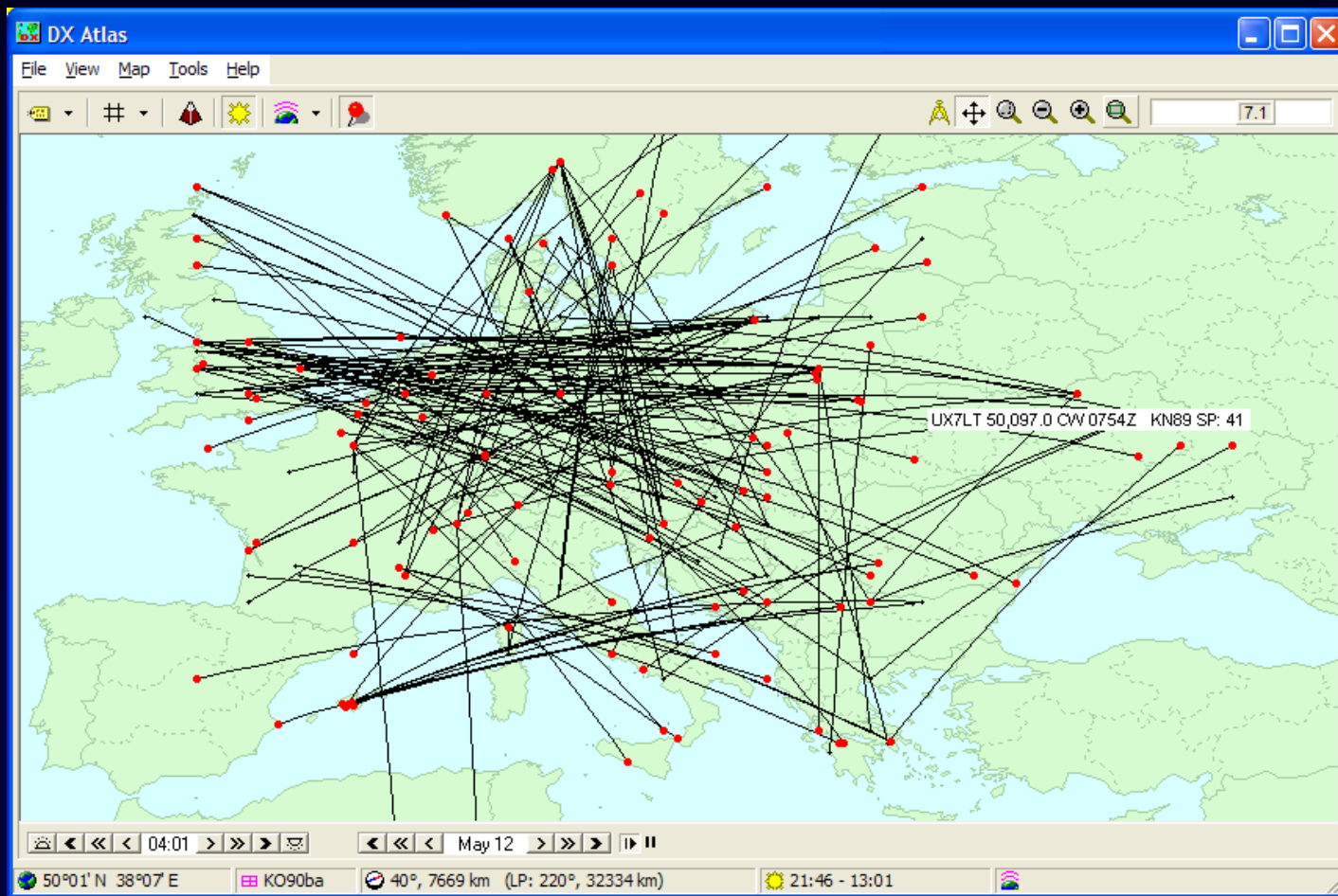
World Map View of Active DX

“spotted by a station in NA-E”



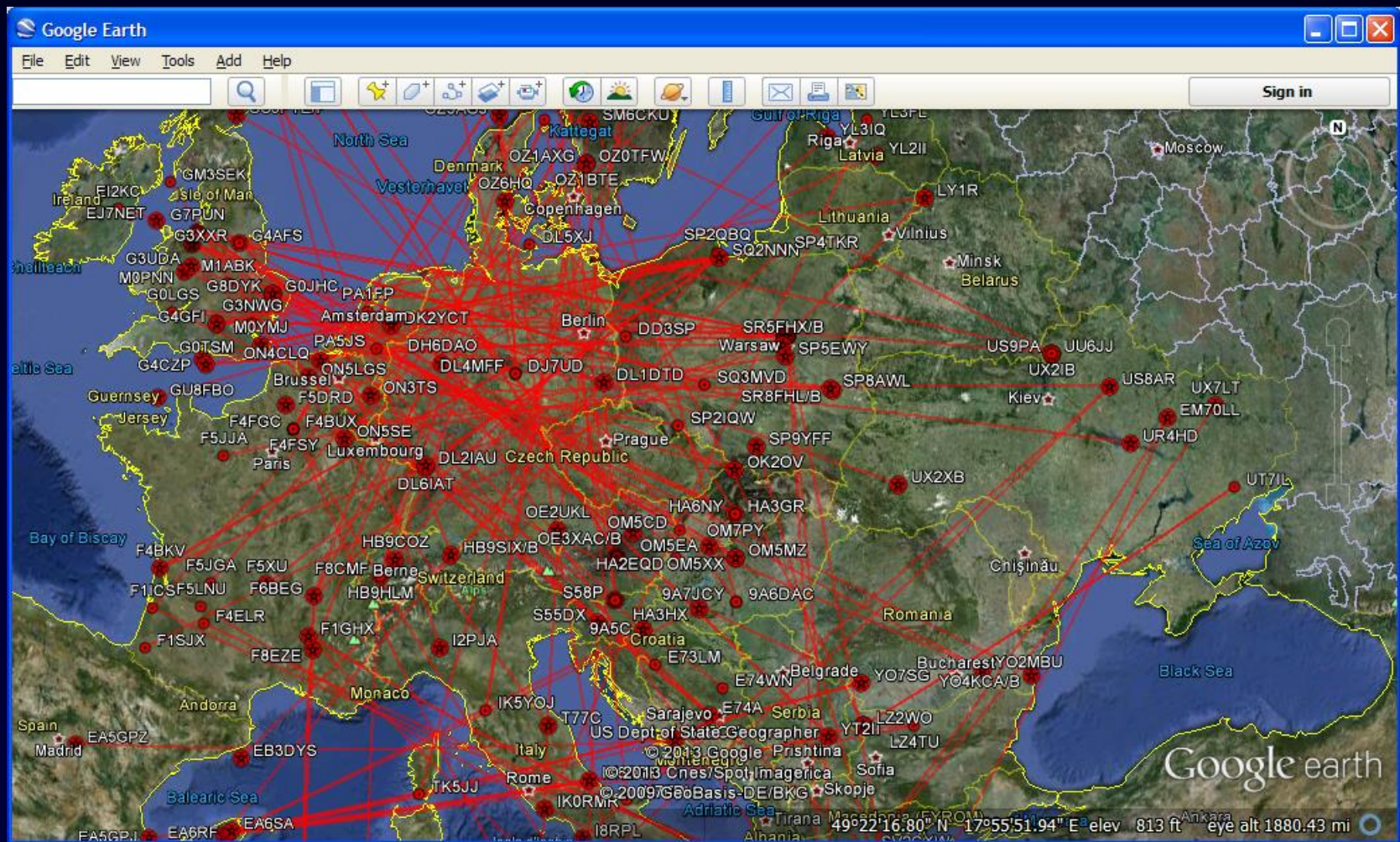
World Map View of Active DX

“6m” on DX Atlas



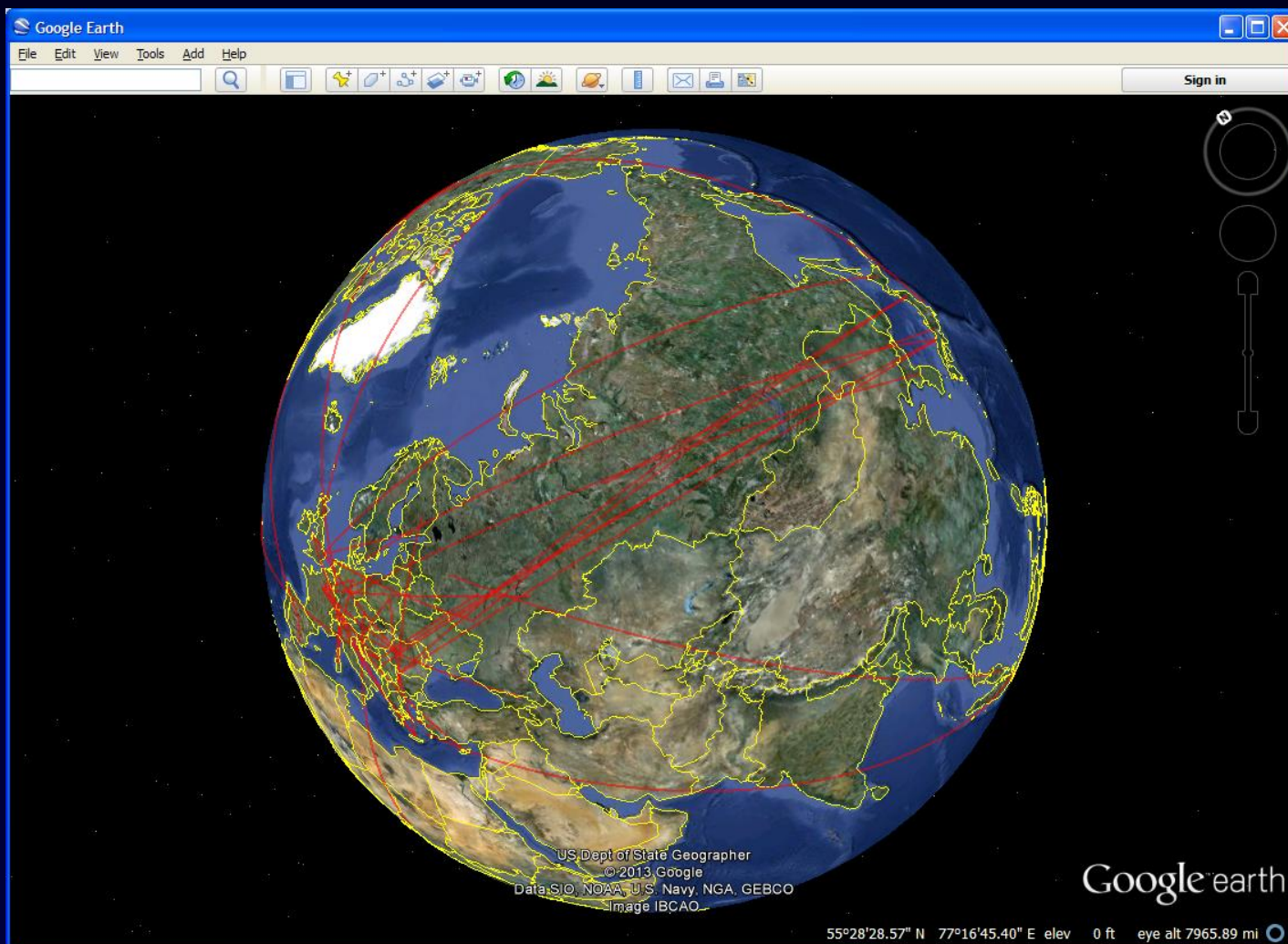
World Map View of Active DX

“6m” on Google Earth



World Map View of Active DX

“12m” on Google Earth



Bandspread View of Active DX

DX Spot Sources

Active DX Database

LotW
Database

eQSL AG
Database

**View
Generator**

Log Database

DXCC needs

IOTA needs

Leaderboard needs

Marathon needs

VUCC needs

WAS needs

WPX needs

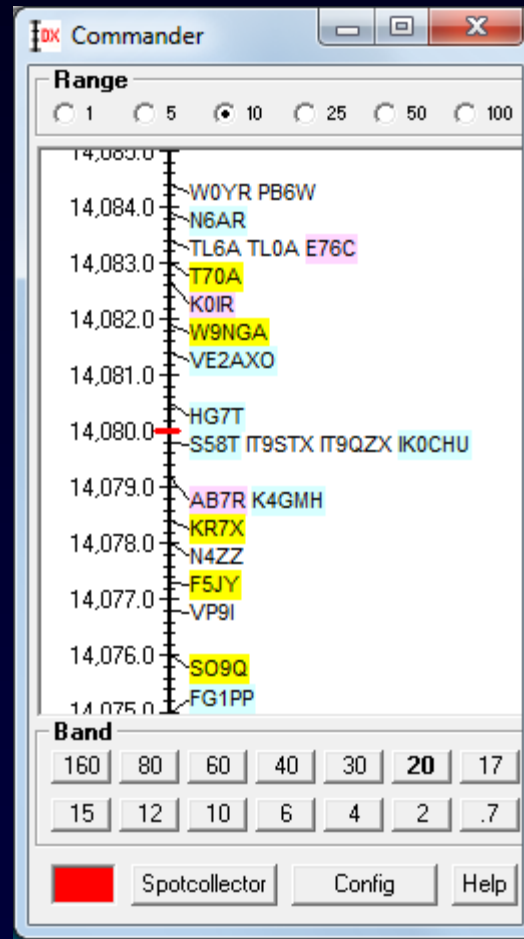
WAZ needs

Logged
QSOs

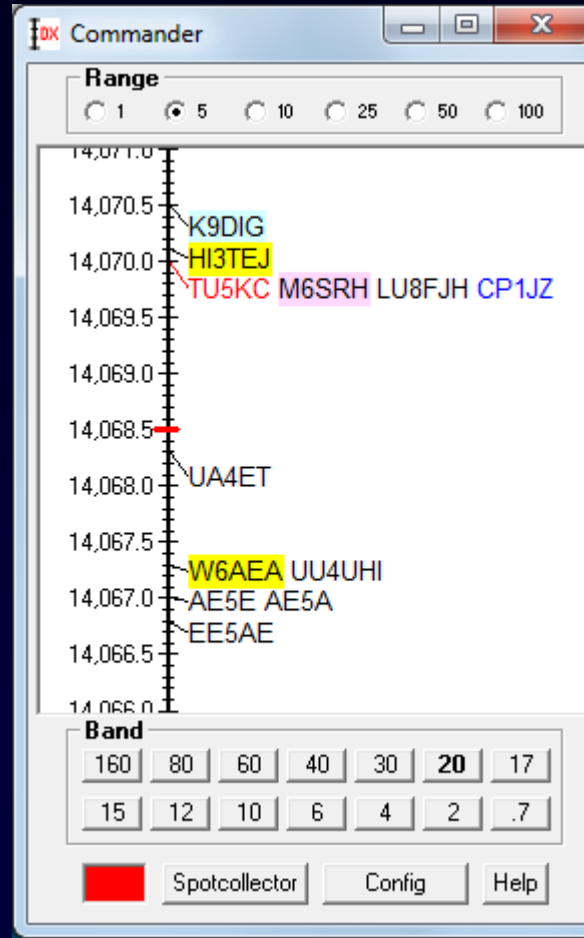


Bandspread

Bandspread View of Active DX



Bandspread View of Active DX



Propagation View of Active DX

DX Spot Sources

Active DX Database

LotW
Database

eQSL AG
Database

**View
Generator**

Log Database

DXCC needs

IOTA needs

Leaderboard needs

Marathon needs

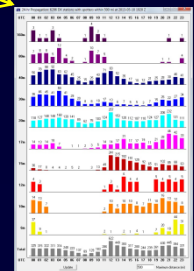
VUCC needs

WAS needs

WPX needs

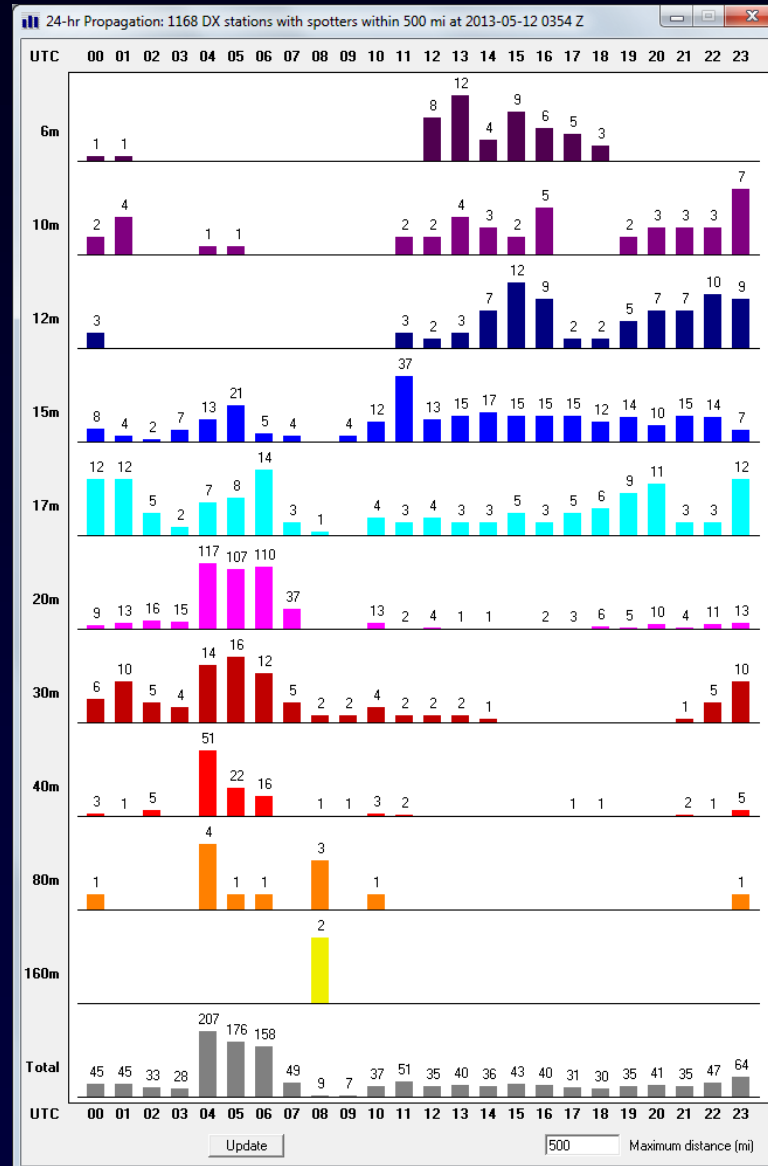
WAZ needs

Logged
QSOs



Propagation

Propagation View of Active DX



Multiple Views of Active DX

DX Spot Sources

Active DX Database

View
Generator

LotW
Database

eQSL AG
Database

Log Database

DXCC needs

IOTA needs

Leaderboard needs

Marathon needs

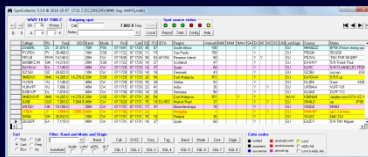
VUCC needs

WAS needs

WPX needs

WAZ needs

Logged
QSOs



Tabular Display



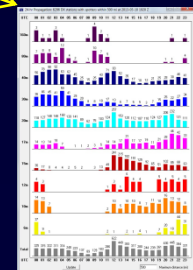
Audio & Email



World Map



Bandspread



Propagation

DXing With DXLab

- Introduction to the DXLab Suite
 - Drivers
 - Architecture
 - Multiple Views of Active DX
- Finding the DX You Need
- Working the DX You Need

DXing With DXLab

- Introduction to the DXLab Suite
 - Architecture
 - Development Drivers
 - Multiple Views of Active DX
- Finding the DX You Need
- Working the DX You Need

Finding and Working Needed DX

1. What's been QRV that I need?
2. Working Mount Athos

What Are My DXing Objectives?

DXCC Bands & Modes

☒ 160M
☒ Phone

☒ 80M
☒ Cw

☒ 40M
☒ Digital

☒ 30M
☐ PSK

☒ 20M

☐ 17M
☐ QRP

☒ 15M

☒ 12M

☒ 10M

☒ 6M

☐ 2M

☒ Hide unworked in progress rpt

Marathon Bands & Modes

☐ 160M
☐ Phone

☐ 80M
☐ Cw

☐ 60M
☐ Digital

☐ 40M
☐ Mixed

☐ 30M

☐ 20M
☒ Include QSOs with no prop

☐ 17M

☐ 15M

☐ 12M

☐ 10M

☐ 6M

☐ 2M

☐ Realtime Award Progress

WPX Bands & Modes

☐ 160M
☐ SSB

☐ 80M
☐ Cw

☐ 60M
☐ Digital

☐ 40M

☐ 30M
☐ Mixed

☐ 20M

☐ 17M

☐ 15M

☐ 12M

☐ 10M

☒ 6M

☒ Realtime Award Progress

WAZ Bands & Modes

	Mixed	SSB	CW	RTTY	AM	SSTV	Digital
Mixed	☐	☐	☐	☐	☐	☐	☐
160M	☐						
80M	☐						
40M	☐						
30M	☐						
20M	☐						
17M	☐						
15M	☐						
12M	☐						
10M	☐						
6M	☒						

☐ 5-band WAZ
☒ Realtime Award Progress

IOTA

☐ IOTAmem4win update
☐ Realtime Award Progress

VUCC Bands & Modes

☒ 6M

☐ 2M

☐ 1.25M

☐ 70 CM

☐ 33 CM

☐ 23 CM

☐ 13 CM and up

☐ Satellite

☒ Realtime Award Progress

WAS Bands & Modes

☐ 160M
☐ Phone

☐ 80M
☐ Cw

☐ 40M
☐ RTTY

☐ 30M
☐ Digital

☐ 20M
☐ SSTV

☐ 17M

☐ 15M
☐ Sat

☐ 12M
☐ EME

☐ 10M
☐ QRP

☒ 6M
☐ Mixed (Basic)

☐ 2M

☐ 1.25M

☐ 70CM

☒ Realtime Award Progress

What's Been QRV that I Need?

SpotCollector 6.4.7 @ 2013-05-13 02:19 Z [CC,DXK,DXV,PV] (log: AA6YQ.mdb)

WV 05-13 0000 Z

SFI 147 History

Q: 0 A 5 1 K

Outgoing Spot (notes saved)

Call 18,140.1 Freq Cluster

Notes X Local

Spot source status

Report Stats Prop Config Help

Call	Prefix	Region	ODX	Freq	QSO	FirstTime	LastTime	Band	Mode	CQ	IOTA	Need	EU	AF	SA	NA-E	NA-M	NA-W	AS	OC
ZD8VHF/B	ZD8	Ascension Island	364	50,032.7		10 2007	10 2101	6M	CW	36	AF-003	D	Y			Y				
CX2TQ	CX	Rocha	364	50,115.0		11 2041	11 2041	6M	SSB	13		D				Y				
CX9AU	CX	Montevideo	399	50,110.0		11 2045	11 2045	6M	CW	13		D				Y				
CX2TQ	CX	Rocha	399	50,110.0		11 2046	11 2048	6M	SSB	13		D				Y				
CX9AU	CX	Montevideo	185	50,098.0		11 2050	11 2118	6M	CW	13		D				Y	Y	Y		
HL2MTK	HL	South Korea	355	10,103.0		12 1028	12 1028	30M	CW	25		D				Y				
HL2MTK	HL	South Korea	355	10,106.0		12 1025	12 1029	30M	CW	25		D			Y	Y				
9M2AX	9M2	West Malaysia	10701	1,831.5		12 1142	12 1142	160M	CW	28		D								Y
DS5TRE	HL	South Korea	2569	10,112.0		12 1147	12 1147	30M	CW	25		D						Y		

Filter: Band and Mode and Cont and Origin and [entity-band unworked or unconfirmed, or entity-mode unworked or entity-cont unworked or entity-origin unworked]

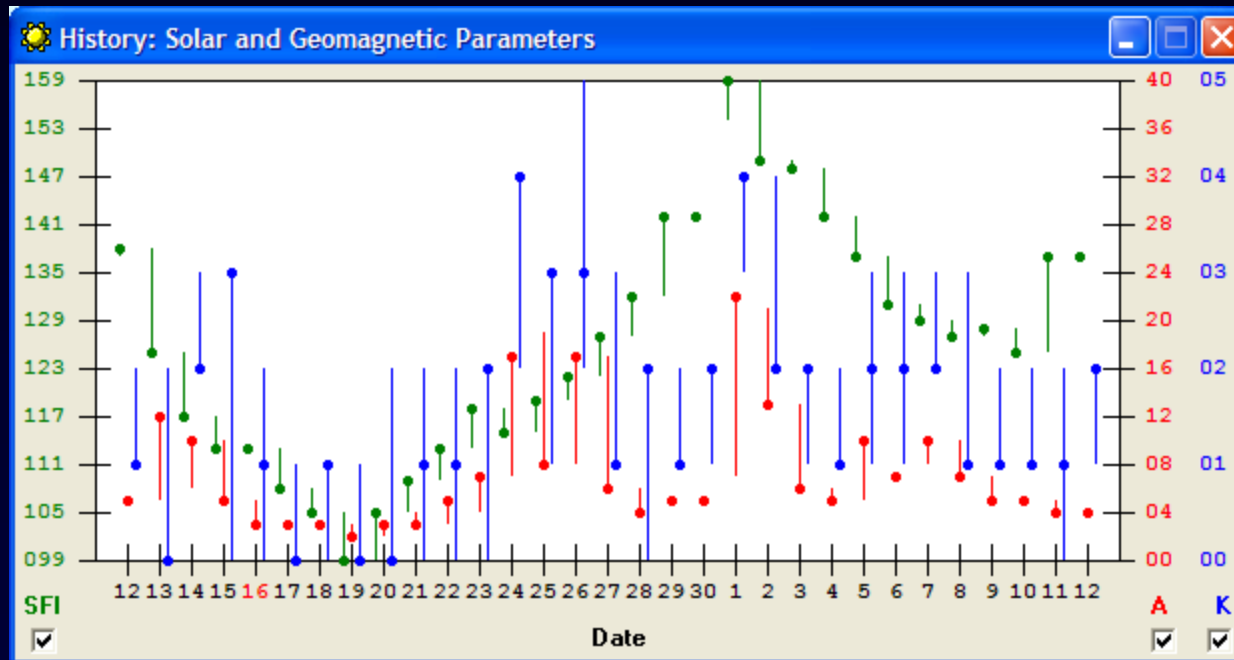
Sort: First Last Rcv Call Freq Az

Color codes: verified, unneeded, unconfmd, unwrkd B or M, unwrkd counter, special tag, Lotw, eQSL AG, Lotw & eQSL AG

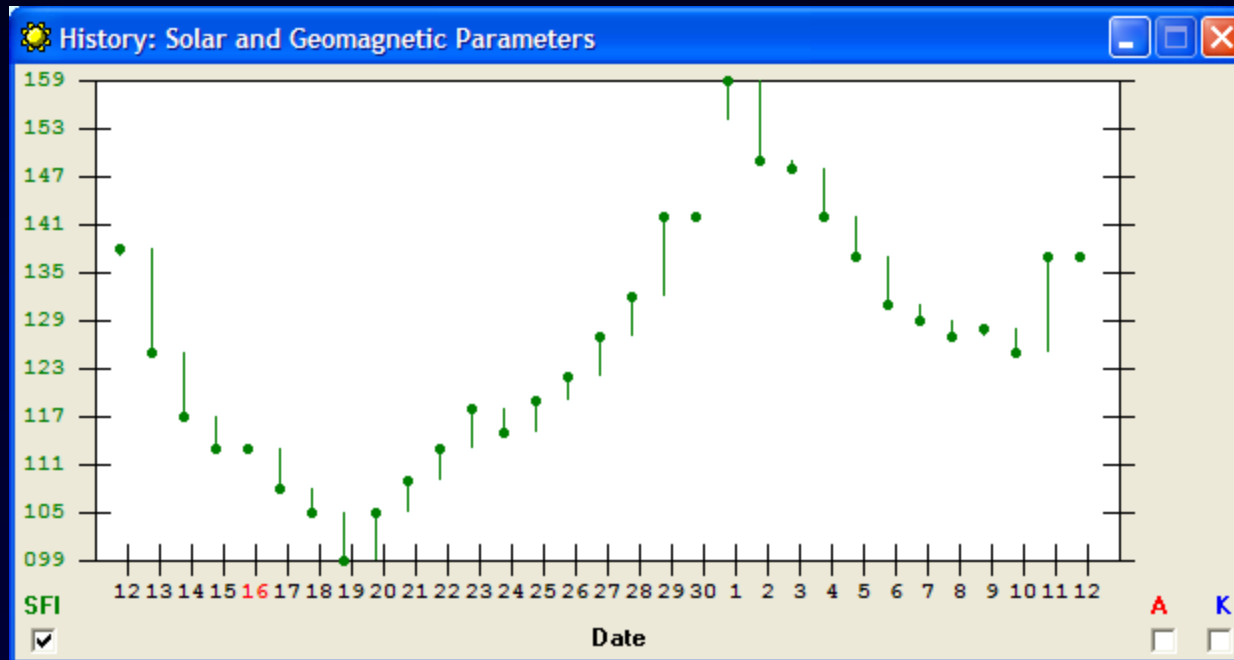
CX on 6m ?

Is HL on 30m a plausible target ?

Check the Solar & Geomagnetic Indices



Isolate the Solar Flux Index



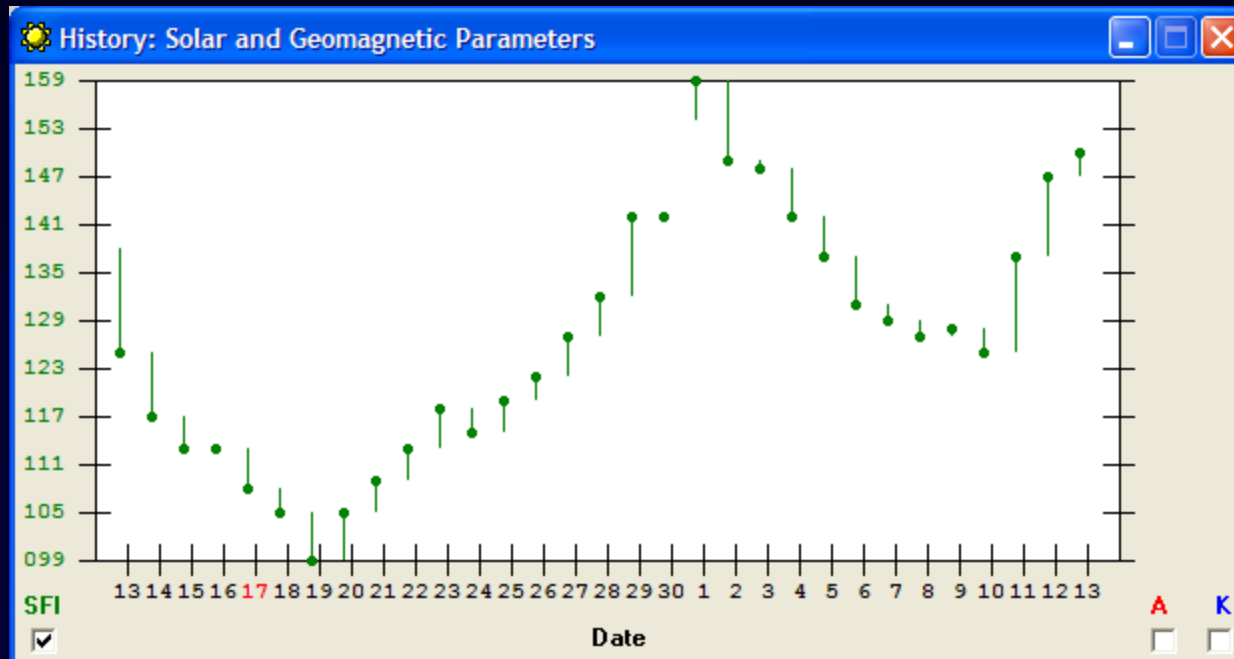
- High-band conditions improving

CX on 6m: the Plan

1. Monitor 6m activity on the World Map
2. Listen for CX stations on 6m DX frequencies around 2030Z

Two Days Before Dayton Departure...

SFI Looking Good!



Monitoring 6m

DXView Configuration

General **Plot Settings** Rotator Control World Map Overrides Databases

Selection

☐ Spots
☒ QSOs
Lifetime (hrs)

☐ QSOs
☐ DXCC Entities

☒ Unworked
☒ Unconfirmed
☒ Confirmed
☒ Verified

Band Filter

☐ 160m ☐ 80m ☐ 60m ☐ 40m ☐ 30m ☐ 20m ☐ 17m ☐ 15m ☐ 12m ☐ 10m ☒ 6m ☐ 4m ☐ 2m ☐ 70cm ☐ ?

☐ Xcvr band only

Mode Filter

☒ SSB ☒ CW ☒ RTTY ☒ AM ☒ FM ☐ ?

☒ Amtor ☒ Ascii ☒ ATV ☒ Chip64 ☒ Clover ☒ FAX ☒ FSK31 ☒ FSK441 ☒ GTOR

☒ Hell ☒ HFSK ☒ JT44 ☒ JT65 ☒ MFSK8 ☒ MFSK16 ☒ MT63 ☒ Olivia ☒ Packet

☒ Pactor ☒ Pactor2 ☒ Pactor3 ☒ PSK31 ☒ PSK63 ☒ PSK125 ☒ Q15 ☒ SSTV ☒ Throb

Continent Filter

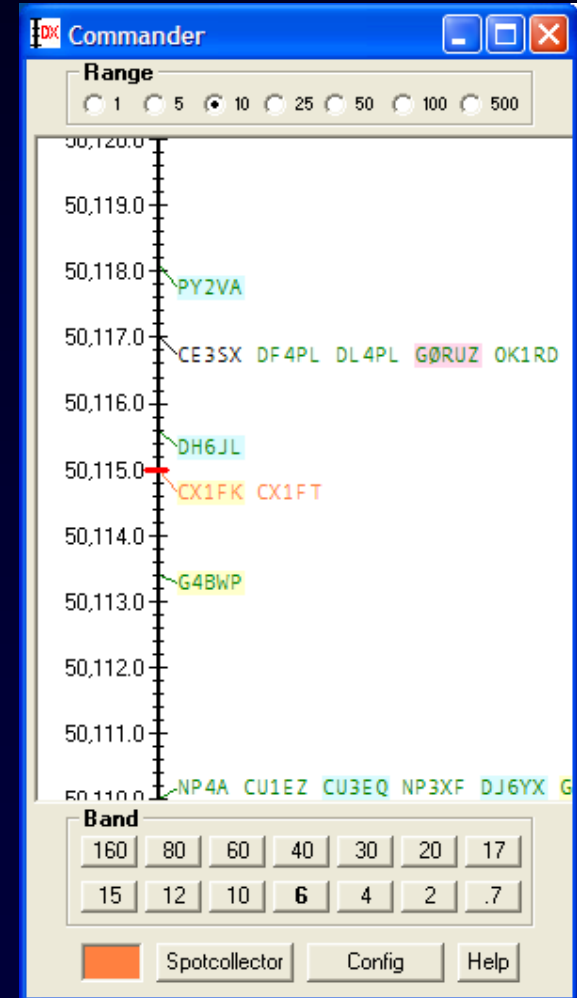
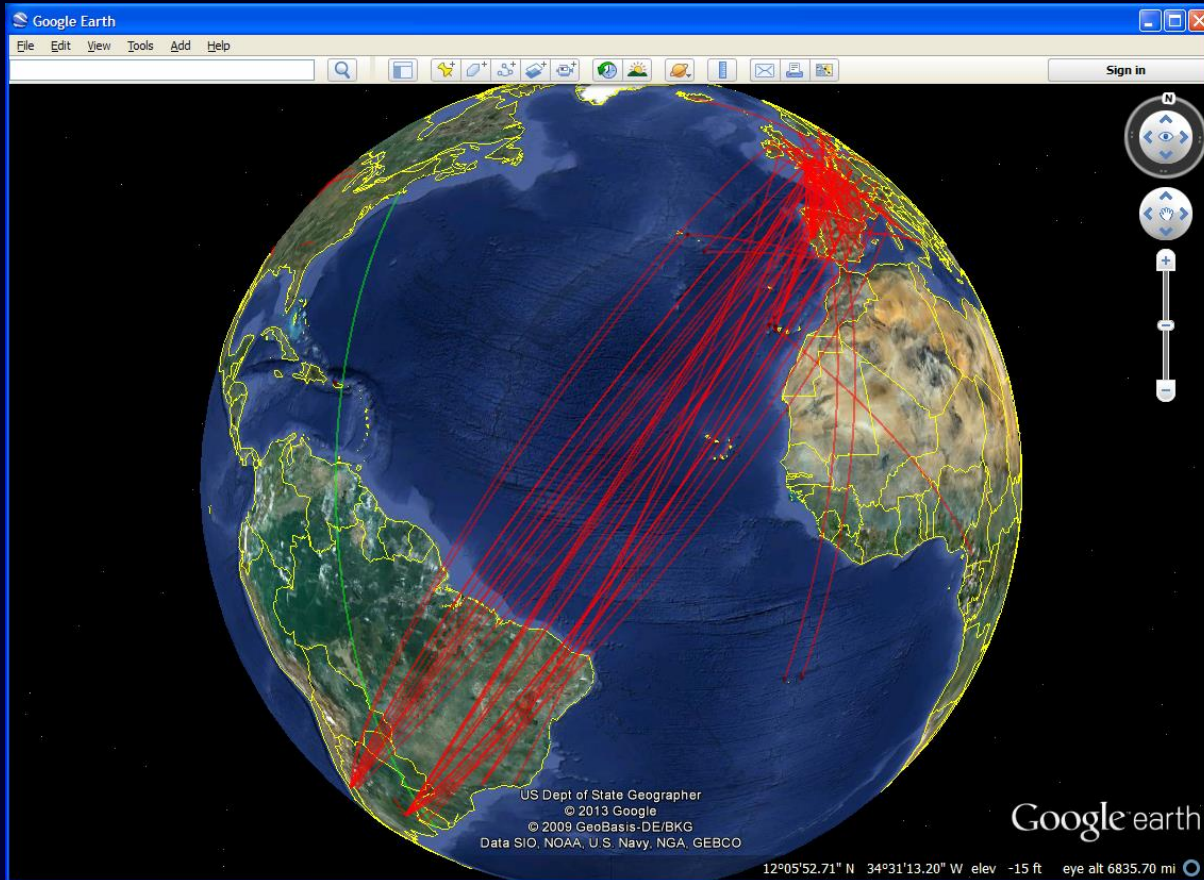
☒ NA ☒ SA ☒ EU ☒ AF ☒ AS ☒ OC ☐ AN ☐ ?

Origin Filter

☒ NAE ☒ NAM ☒ NAW ☒ SA ☒ EU ☒ AF ☒ AS ☒ OC ☐ ?

Monitoring 6m

Get ready!



HL on 30m? Check Spots

SpotCollector 6.4.7 @ 2013-05-13 02:16 Z [CC,DXK,DXV,PV] (log: AA6YQ.mdb)

WWV 05-13 0000 Z

Outgoing Spot (notes saved)

Call: 18,140.1 Freq Cluster

Notes: X Local

Spot source status: ● ● ● ● ● ●

Report Stats Prop Config Help

Call	Prefix	Region	ODX	Freq	QSX	FirstTime	LastTime	Band	Mode	CQ	IOTA	Need	EU
ZD8VHF/B	ZD8	Ascension Island	364	50,032.7		10 2007	10 2101	6M	CW	36	AF-003	D	Y
CX2TQ	CX	Rocha	364	50,115.0		11 2041	11 2041	6M	SSB	13		D	
CX9AU	CX	Montevideo	399	50,110.0		11 2045	11 2045	6M	CW	13		D	
CX2TQ	CX	Rocha	399	50,110.0		11 2046	11 2048	6M	SSB	13		D	
CX9AU	CX	Montevideo	185	50,098.0		11 2050	11 2118	6M	CW	13		D	
HL2MTK				10,103.0		12 1028	12 1028	30M	CW	25		D	
HL2MTK				10,106.0		12 1025	12 1029	30M	CW	25		D	
9M2AX				10,831.5		12 1142	12 1142	160M	CW	28		D	
DS5TRE				10,112.0		12 1147	12 1147	30M	CW	25		D	

Sort: ☐ First ☐ Call ☒ Last ☐ Freq ☐ Rcv ☐ Az

Color codes: ■ verified ■ unneeded ■ unconfmd

and [entity-band unworked or unconfirmed, or entity-mode unworked or entity-mode unconfirmed]

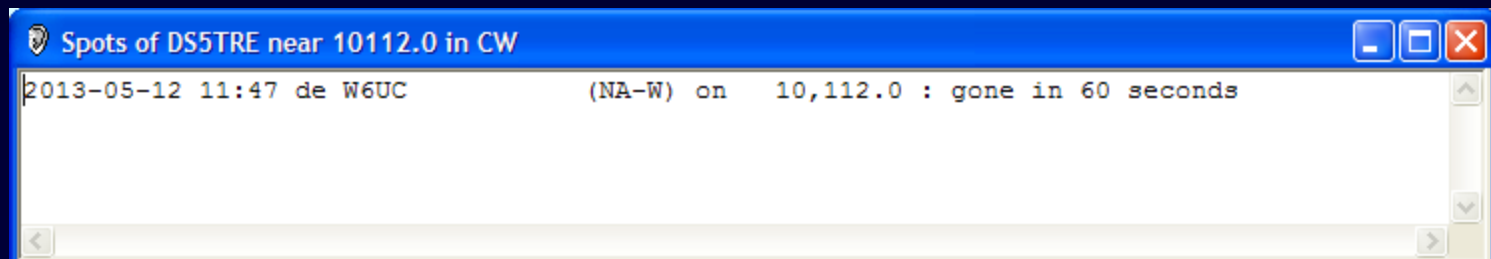
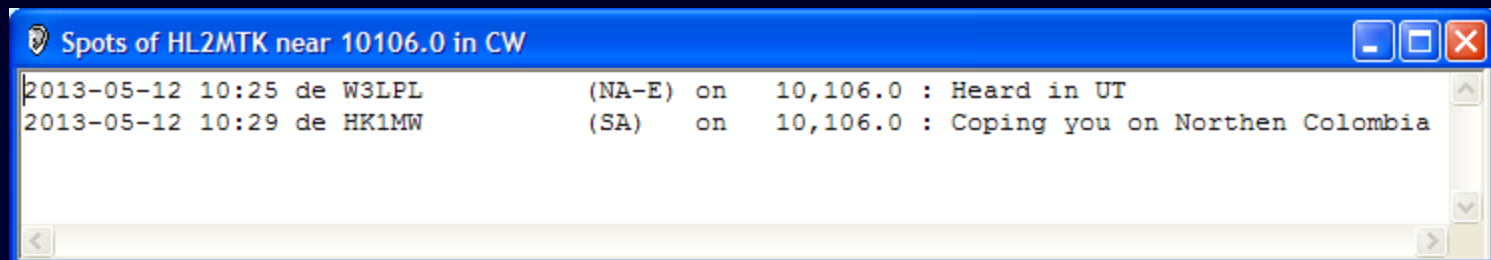
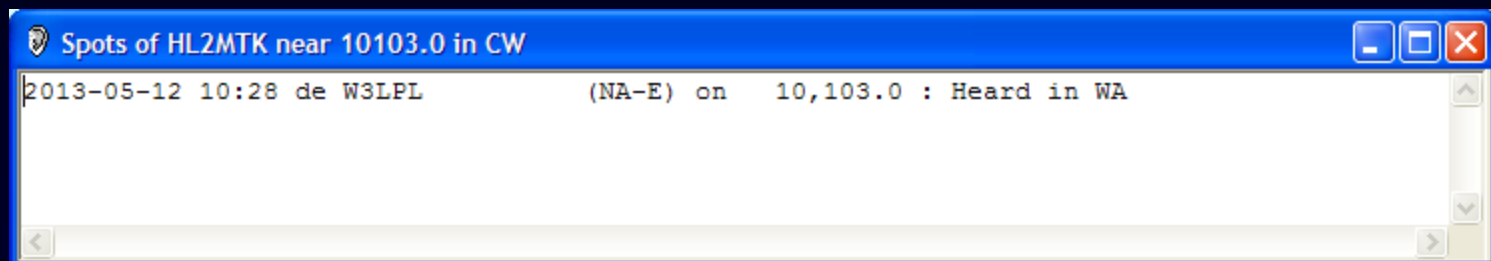
Call DXCC Freq Tag Band Mode Cont Origin

and X Mode digital X need NoK multiline last 3 nr SV-A

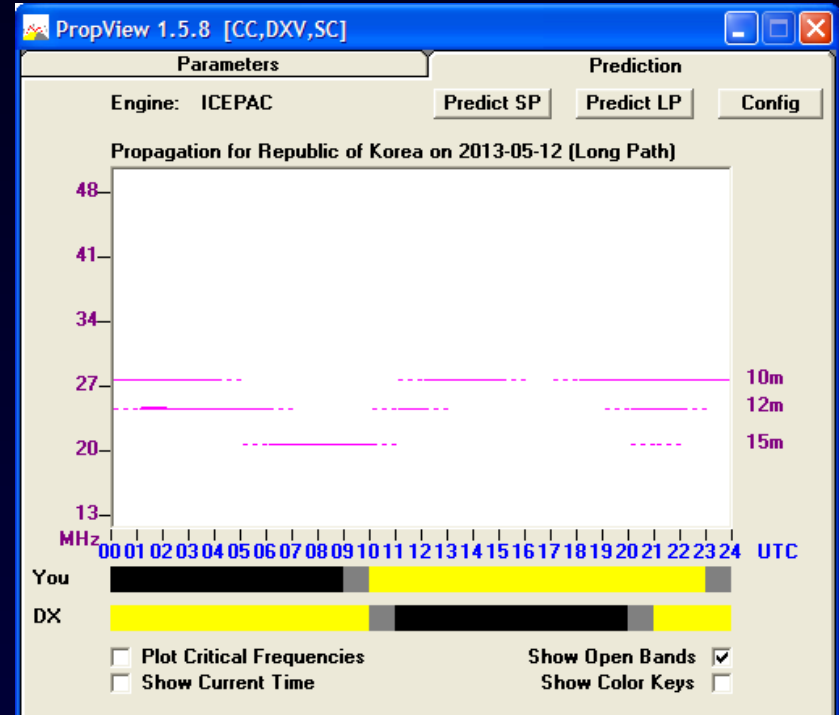
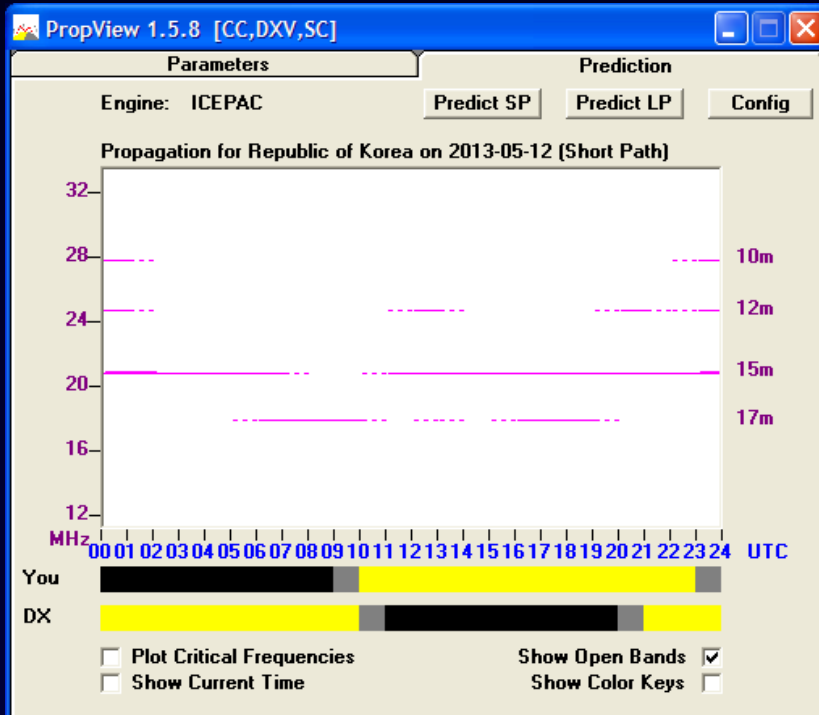
Context menu for HL2MTK:

- QSY to 10103.0 in CW for HL2MTK
- Rotate to short path heading for HL2MTK
- Rotate to long path heading for HL2MTK
- Lookup HL2MTK (prev QSOs, DX info)
- Display Award Tracking for HL2MTK
- Display spots of HL2MTK near 10103.0 in CW
- Display entries near 10103.0
- Predict short path propagation for HL2MTK
- Predict long path propagation for HL2MTK
- Create an override for HL2MTK
- Hide HL2MTK on 10103.0 in CW
- Delete HL2MTK on 10103.0 in CW
- Copy to Windows Clipboard
- Enable Autoscroll

30m HL Spots



Check Propagation to HL on 30m



No forecast openings
No periods of common darkness
No way!

Finding and Working Needed DX

1. What's been QRV that I need?
2. Working Mount Athos

Working Mount Athos



[Home](#) | [About](#) | [Settings](#) | [Upload](#) | [Donate](#) | [Expeditions](#) | [Help](#)

Your Log

DXCC Charts

Timelines

QSL Charts

Zone Charts

Log Inspector

Log Matching

League Tables

DXCC Leagues

Zone Leagues

Club Leagues

CDXC Challenges

Super League

Uniques League

Club Log tools

DX Cluster

Log Search

Call Tester

Most Wanted

DXCC Analysis

Propagation

Great Circle Maps

DXCC Most Wanted List

The information generated in this report is empirical, using only DXers logs with *more than 150 DXCCs worked*. Additionally, only QSOs that have QSLs confirmed are considered to be worked, and only logs active in the last 15 years are used.

These reports are improved by greater participation. Please [sign up](#) if you are willing to add your QSOs to Club Log, and help improve the database - thank you!

The most wanted charts are rebuilt once per month, on average.

☒ No Mode Filter

☐ CW

☐ Phone

☐ Data

Filter by band:

All bands

Filter by continent:

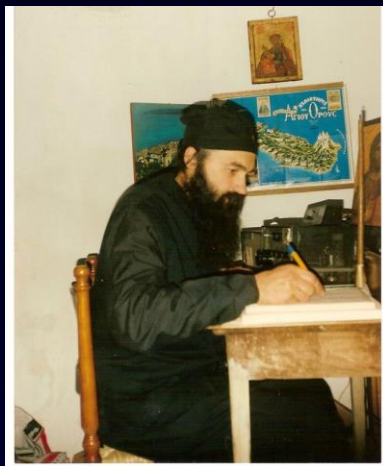
Use global log

Generate Most-Wanted List

...or... Analyse a specific DXCC entity

Rank	Prefix	Entity Name	% Users
1.	KP1	NAVASSA ISLAND	87.83
2.	P5	DPRK (NORTH KOREA)	86.65
3.	3YB	BOUVET ISLAND	83.68
4.	VP8S	SOUTH SANDWICH ISLANDS	83.30
5.	FT5W	CROZET ISLAND	82.86
6.	FT5Z	AMSTERDAM & ST PAUL ISLANDS	82.50
7.	VK0H	HEARD ISLAND	82.43
8.	KH5K	KINGMAN REEF	80.87
9.	FR/T	TROMELIN ISLAND	80.72
10.	FR/J	JUAN DE NOVA, EUROPA	80.43
11.	VP8G	SOUTH GEORGIA ISLAND	78.67
12.	KH5	PALMYRA & JARVIS ISLANDS	78.51
13.	KH1	BAKER HOWLAND ISLANDS	78.06
14.	ZS8	PRINCE EDWARD & MARION ISLANDS	76.89
15.	KH9	WAKE ISLAND	76.81
16.	BV9P	PRATAS ISLAND	76.28
17.	CE0X	SAN FELIX ISLANDS	76.27
18.	KH3	JOHNSTON ISLAND	75.99
19.	VK0M	MACQUARIE ISLAND	75.92
20.	BS7H	SCARBOROUGH REEF	75.37
21.	E3	ERITREA	75.28
22.	KH7K	KURE ISLAND	75.15
23.	FT5X	KERGUELEN ISLAND	73.01
24.	XZ	MYANMAR	72.35
25.	VK9M	MELLISH REEF	72.28
26.	SV/A	MOUNT ATHOS	72.10
27.	T33	BANABA ISLAND	71.96
28.	JD/M	MINAMI TORISHIMA	69.61
29.	EZ	TURKMENISTAN	69.08
30.	3Y/P	PETER 1 ISLAND	69.05
31.	FR/G	GLORIOSO ISLAND	68.63

Working Mount Athos



- Monk Apollo, SV2ASP/A
- resident of the Monastery of Docheiariou, with a heavy workload
- works all HF bands in SSB, RTTY, PACTOR, AMTOR, and CW
 - uses a 3-element SteppIR antenna
 - employs 200 hz shift in RTTY

Mount Athos - Greece							Monk Apollo
SV2ASP/A							Docheiariou
ITU:28 WAZ:20							monastery
							GR-63087
							Mount Athos
							Greece - Europe
To Radio NΦUN						QSL via	
Day	Month	Year	UTC	MHz	2 Way	RST	Remarks
13	11	11	1412	28	SSB	590	CY
TKS / PSE QSL			UNSLD print			73 de	

After a 39-year chase !

Look for Recent Activity

SpotCollector 6.4.7 @ 2013-05-12 20:49 Z [CC,DXK,DXV,PV] (log: test.mdb)

WWV 05-12 1811 Z

SFI 137 History

Q: 1 A 4 2 K

Outgoing Spot (notes saved)

Call 14,210.5 Freq Cluster

Notes X Local

Spot source status

Report Stats Prop Config Help

Call	Prefix	Region	ODX	Freq	QSO	FirstTime	LastTime	Band	Mode	CQ	IOTA	Need	EU	AF	SA	NA-E	NA-M	NA-W	AS	OC
SV2ASP/A	SV-A	Mount Athos	2473	18,137.0	18,141.0	10 1435	10 1527	17M	SSB	20		D	Y						Y	

Sort

Filter: Band and Mode and Cont and Origin and [DXCC=SV-A]

SV-A X AH Need Call DXCC Freq Tag Band Mode Cont Origin

Audio Age LotW eQSL Mithn ALT X Band X Mode digital X need NoK multiline last 3 nr SV/A

Color codes

- verified
- unneeded
- unconfmd
- unwrkd B or M
- unwrkd counter
- special tag
- LotV
- eQSL AG
- LotV & eQSL AG

- QRV for an hour on 17 SSB
- Working split
- Spotted from EU and AS

Check Spots

SpotCollector 6.4.7 @ 2013-05-12 20:50 Z [CC,DXK,DXV,PV] (log: test.mdb)

WWV 05-12 1811 Z

SFI 137 History

Q: 0 A 4 2 K

Outgoing Spot (notes saved)

Call 14,210.5 Freq Cluster

Notes X Local

Spot source status

Report Stats Prop Config Help

Call	Prefix	Region	ODX	Freq	QSO	FirstTime	LastTime	Band	Mode	CQ	IOTA
SV2ASP/A	SV-A	Mount Athos	2473	18 137.0	18,141.0	10 1435	10 1527	17M	SSB	20	

QSY to 18137.0 with QSO 18141.0 in SSB for SV2ASP/A
 QSY to 18137.0 in SSB for SV2ASP/A

Rotate to short path heading for SV2ASP/A
 Rotate to long path heading for SV2ASP/A

Lookup SV2ASP/A (prev QSOs, DX info)

Display Award Tracking for SV2ASP/A

Display spots of SV2ASP/A near 18137.0 in SSB

Display entries near 18137.0

Predict short path propagation for SV2ASP/A
 Predict long path propagation for SV2ASP/A

Create an override for SV2ASP/A

Hide SV2ASP/A on 18137.0 in SSB

Delete SV2ASP/A on 18137.0 in SSB

Copy to Windows Clipboard

Enable Autoscroll

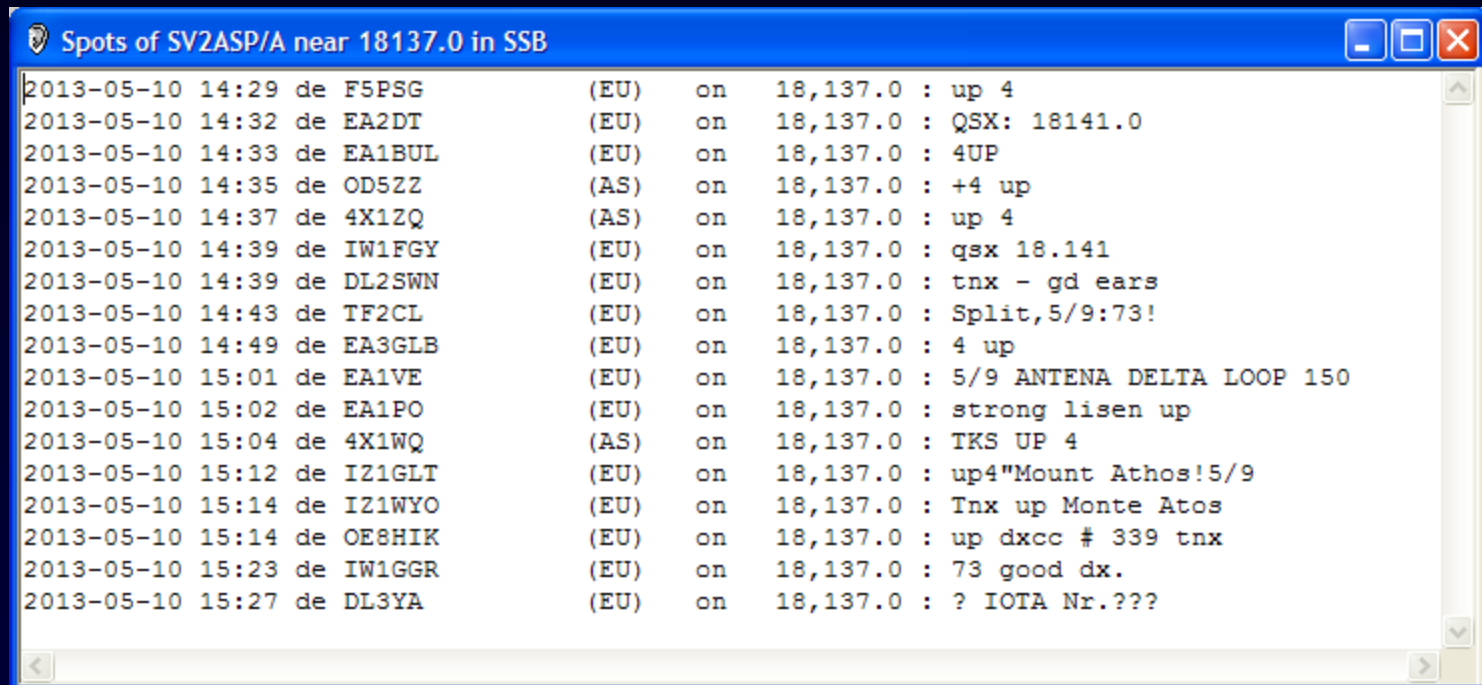
Sort

First Last Rcv

DXCC Freq Tag Band Mode Cont Origin

X Mode digital X need NoK multiline last 3 nr SV/A

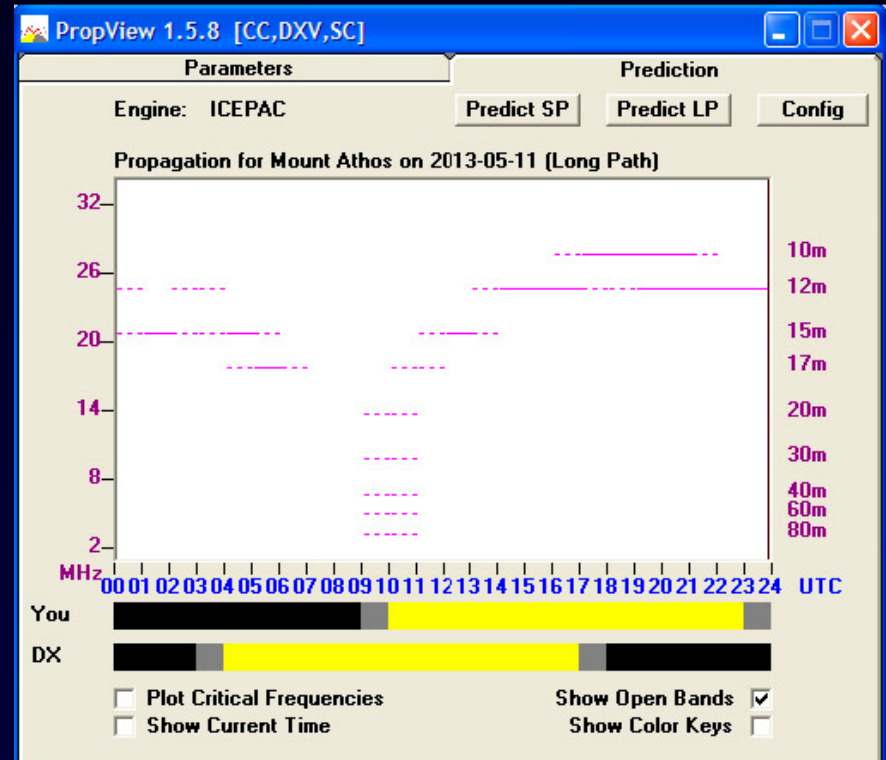
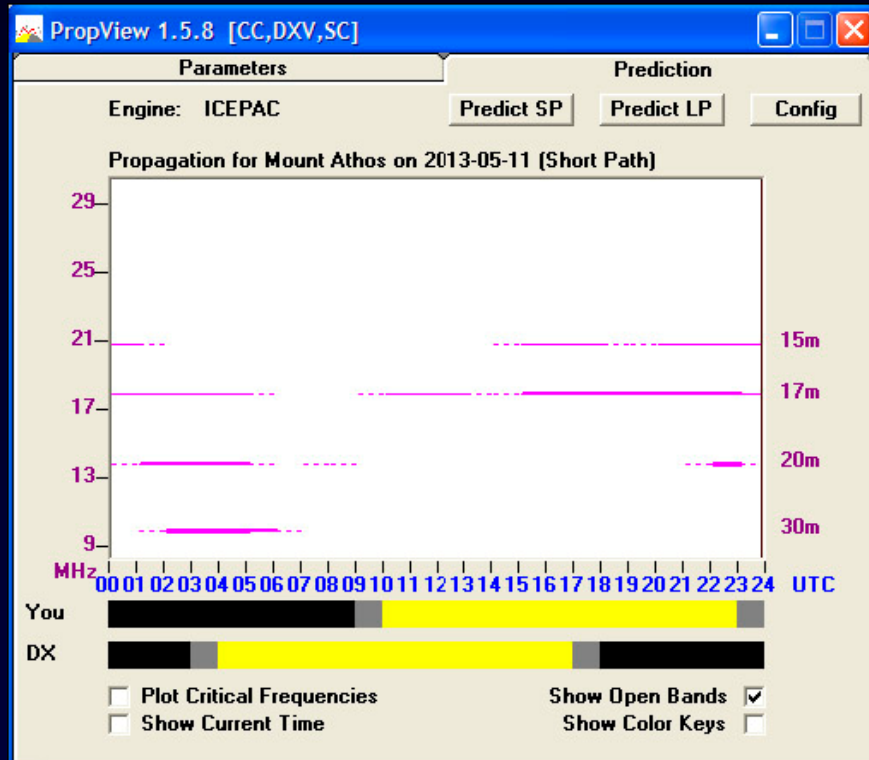
Check Spots



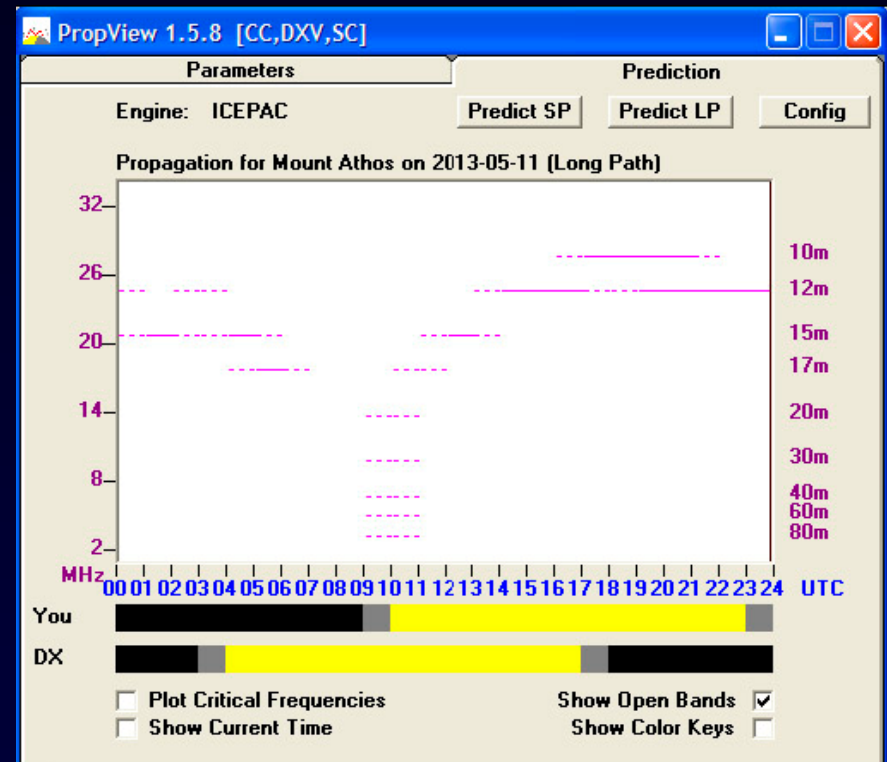
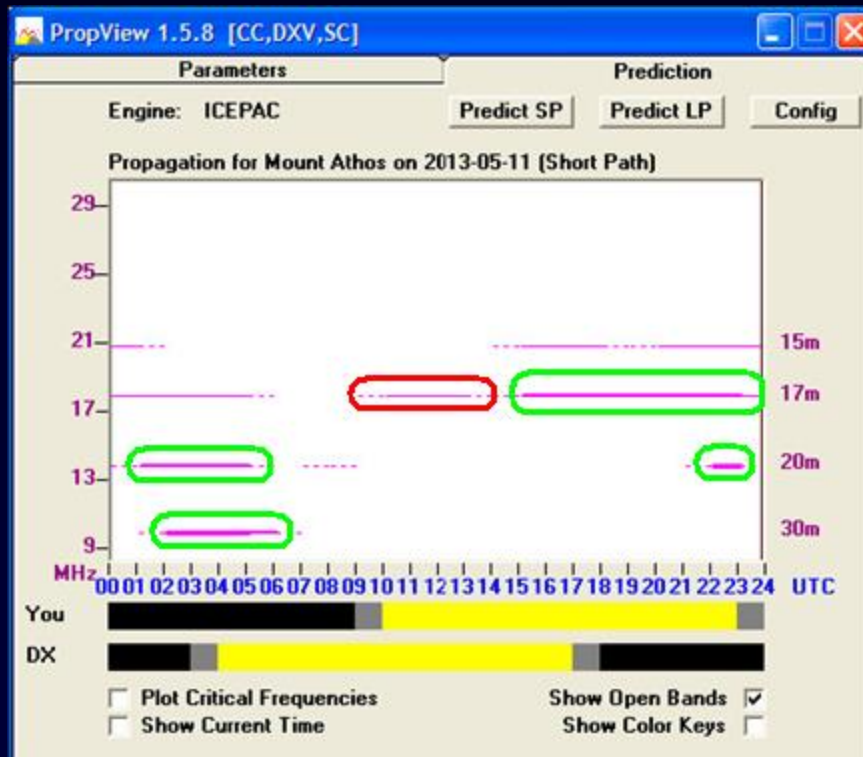
2013-05-10	14:29	de F5PSG	(EU)	on	18,137.0 : up 4
2013-05-10	14:32	de EA2DT	(EU)	on	18,137.0 : QSX: 18141.0
2013-05-10	14:33	de EA1BUL	(EU)	on	18,137.0 : 4UP
2013-05-10	14:35	de OD5ZZ	(AS)	on	18,137.0 : +4 up
2013-05-10	14:37	de 4X1ZQ	(AS)	on	18,137.0 : up 4
2013-05-10	14:39	de IW1FGY	(EU)	on	18,137.0 : qsx 18.141
2013-05-10	14:39	de DL2SWN	(EU)	on	18,137.0 : tn timer - gd ears
2013-05-10	14:43	de TF2CL	(EU)	on	18,137.0 : Split,5/9:73!
2013-05-10	14:49	de EA3GLB	(EU)	on	18,137.0 : 4 up
2013-05-10	15:01	de EA1VE	(EU)	on	18,137.0 : 5/9 ANTENA DELTA LOOP 150
2013-05-10	15:02	de EA1PO	(EU)	on	18,137.0 : strong listen up
2013-05-10	15:04	de 4X1WQ	(AS)	on	18,137.0 : TKS UP 4
2013-05-10	15:12	de IZ1GLT	(EU)	on	18,137.0 : up4"Mount Athos!5/9
2013-05-10	15:14	de IZ1WYO	(EU)	on	18,137.0 : Tnx up Monte Atos
2013-05-10	15:14	de OE8HIK	(EU)	on	18,137.0 : up dxcc # 339 tnx
2013-05-10	15:23	de IW1GGR	(EU)	on	18,137.0 : 73 good dx.
2013-05-10	15:27	de DL3YA	(EU)	on	18,137.0 : ? IOTA Nr.???

- Consistently “up 4”? slugfest
- EU spotters in DL, EA, F, I, OE, TF
- AS spotters in 4X and OD

Forecast Short- & Long-path Propagation



Forecast Short- & Long-path Propagation



- 17m @ 14Z opening looks thin
- Stronger openings
 - 17m after 15Z
 - 20m, 30m

Check “Actual” Propagation

No NCDXF Beacons are Close to SV-A

PropView Beacon Monitor @ 21:11:00 12-May-2013 [CC,DXV,SC]

Monitor

☒ Enable ☐ QSY ☐ Map ☐ Predict Config Help

Band

☐ 20m ☐ 17m ☐ 15m ☐ 12m ☐ 10m

Beacons

☐ 4S7B ☐ KH6WO ☐ VK6RBP
☐ 4U1UN ☐ LU4AA ☐ VR2B
☒ 4X6TU ☐ OA4B ☐ W6WX
☐ 5Z4B ☐ OH2B ☐ YV5B
☒ CS3B ☐ RR90 ☐ ZL6B
☐ JA2IGY ☐ VE8AT ☐ ZS6DN

Octant

☐ 315 ☐ 0
☐ 270 ☐ 45
☐ 225 ☐ 90
☐ 180 ☐ 135

☐ Rotate

Transceiver

Offset (Hz)

Beacon Schedule [2 cycles]

Time	Call	City	DXCC Country	Freq (khz)	SP	Dist (mi)
0	4X6TU	Tel Aviv	Israel	14100	55	5487
10	4X6TU	Tel Aviv	Israel	18110	55	5487
20	4X6TU	Tel Aviv	Israel	21150	55	5487
30	4X6TU	Tel Aviv	Israel	24930	55	5487
40	4X6TU	Tel Aviv	Israel	28200	55	5487
50						
60						
70						
80						
90						
100						
110						
120						
130						
140						
150						
160						
170						

Check “Actual” Propagation

Who Near Me has been Spotting Stations Near SV-A?

Define a “near SV-A” filter to Show Stations

- in SV-A, SV, LZ, Z3, ZA, TA1, or TA3
- spotted by stations less than 500 miles from my QTH

16

Propagation from “Near Me” to “Near SV-A”

SpotCollector 6.4.7 @ 2013-05-12 21:24 Z [CC,DXK,DXV,PV] (log: AA6YQ.mdb)

WWV 05-12 2111 Z Outgoing Spot [notes saved] 14,210.5 Freq Cluster

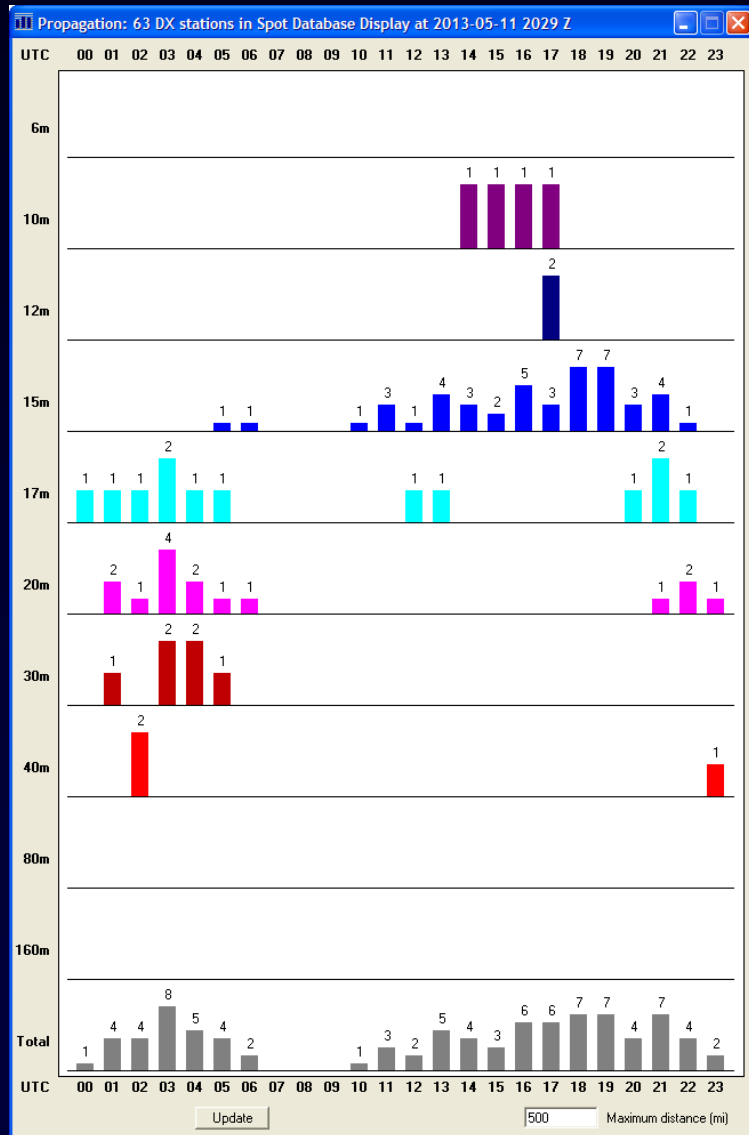
Q: 0 A 5 1 K Notes X Local Report Stats Prop Config Help

Call	Prefix	Region	ODX	Freq	QSQ	FirstTime	LastTime	Band	Mode	CQ	IOTA	Need	EU	AF	SA	NA-E	NA-M	NA-W	AS	OC
LZ1876SM	LZ	Bulgaria	399	14,012.6		09 2235	09 2235	20M	CW	20						Y				
LZ1QI	LZ	Bulgaria	399	14,007.0		10 0143	10 0143	20M	CW	20						Y				
Z320T	Z3	Macedonia	424	14,199.9		10 0313	10 0313	20M	SSB	15						Y				
Z320T	Z3	Macedonia	51	14,200.3		10 0337	10 0344	20M	SSB	15						Y	Y			Y
LZ2LP	LZ	Bulgaria	228	14,181.4		10 0320	10 0421	20M	SSB	20						Y	Y			
LZ2KV	LZ	Bulgaria	228	14,177.5		10 0340	10 0422	20M	SSB	20						Y	Y	Y		
Z33Z	Z3	Macedonia	355	21,020.1		10 1359	10 1359	15M	CW	15						Y				
Z33A	Z3	Macedonia	355	21,008.1		10 1412	10 1439	15M	CW	15					Y					
LZ13FDAY	LZ	Bulgaria	319	24,898.1		10 1715	10 1715	12M	CW	20						Y				
LZ13DAY	LZ	Bulgaria	319	24,898.1		10 1715	10 1715	12M	CW	20						Y				
Z320T	Z3	Macedonia	80	21,277.0	21,332.0	10 1719	10 1739	15M	SSB	15		Y				Y		Y		
Z30U	Z3	Macedonia	355	21,019.0		10 1943	10 1943	15M	CW	15						Y				
Z30U	Z3	Macedonia	275	18,078.0		10 2040	10 2040	17M	CW	15						Y				
ZA/IZAJMA	ZA	Albania	155	21,250.0		10 2038	10 2119	15M	SSB	15			Y			Y	Y	Y	Y	
SV36LL	SV	Peloponnese	61	21,290.0		10 1957	10 2123	15M	SSB	20			Y			Y	Y	Y	Y	
Z320T	Z3	Macedonia	57	21,269.0		10 2031	10 2129	15M	SSB	15			Y			Y	Y	Y		
LZ2LP	LZ	Bulgaria	491	14,182.5		10 2256	10 2341	20M	SSB	20			Y			Y				
Z320E	Z3	Macedonia	353	10,119.0		11 0148	11 0150	30M	CW	15						Y				
Z320E	Z3	Macedonia	189	14,033.1		11 0125	11 0219	20M	CW	15						Y		Y		
TA3D	TA	Turkey (Asia)	137	7,014.0		11 0234	11 0244	40M	CW	20						Y				
TA3DT	TA	Turkey (Asia)	355	7,013.8		11 0244	11 0244	40M	CW	20						Y				
SV3AQR	SV	Peloponnese	21	18,150.0		11 0019	11 0306	17M	SSB	20					Y	Y	Y	Y		Y
TA3AX	TA	Turkey (Asia)	355	10,124.9		11 0434	11 0434	30M	CW	20						Y				
TA3AX	TA	Turkey (Asia)	355	10,104.9		11 0508	11 0508	30M	CW	20						Y				
Z320T	Z3	Macedonia	228	14,202.3		11 0549	11 0602	20M	SSB	15			Y			Y				
Z33A	Z3	Macedonia	355	21,008.0		11 0609	11 0609	15M	CW	15						Y				
SZ7SER	SV	e & East Macedonia	80	18,130.0		11 1232	11 1303	17M	SSB	20			Y			Y				
LZ6K	LZ	Bulgaria	155	21,098.5		11 1307	11 1307	15M	RTTY	20						Y				
Z320R	Z3	Macedonia	231	21,047.8		11 1310	11 1328	15M	CW	15			Y		Y	Y				
LZ6K	LZ	Bulgaria	296	21,086.9		11 1514	11 1538	15M	RTTY	20			Y			Y				
Z320N	Z3	Macedonia	473	21,108.0		11 1451	11 1551	15M	RTTY	15			Y			Y				
LZ1PT	LZ	Bulgaria	355	21,023.7		11 1644	11 1644	15M	CW	20						Y				
LZ2PT	LZ	Bulgaria	259	21,023.8		11 1648	11 1648	15M	CW	20						Y				
LZ1YQ	LZ	Bulgaria	355	21,009.2		11 1718	11 1735	15M	CW	20			Y			Y				
LZ9W	LZ	Bulgaria	228	28,032.3		11 1429	11 1743	10M	CW	20			Y			Y		Y		
LZ3ZZ	LZ	Bulgaria	329	21,266.0		11 1812	11 1814	15M	SSB	20			Y			Y				
SV2HJO	SV	I & West Macedonia	21	21,315.0		11 1855	11 1855	15M	SSB	20						Y				
SV2HJO	SV	I & West Macedonia	17	21,315.0		11 1830	11 1901	15M	SSB	20			Y			Y		Y		
ZA/IZAJMA	ZA	Albania	276	21,082.0		11 1700	11 1910	15M	RTTY	15			Y			Y				
LZ1ND	LZ	Bulgaria	355	21,033.3		11 1816	11 1922	15M	CW	20			Y			Y		Y		
SZ7SER	SV	e & East Macedonia	237	21,293.0	21,296.0	11 1848	11 1949	15M	SSB	20			Y			Y	Y	Y		
SV1QXU	SV	Sterea Ellada	103	21,263.0		11 1943	11 1958	15M	SSB	20			Y			Y				
LZ1WR	LZ	Bulgaria	228	18,077.0		11 2116	11 2116	17M	CW	20						Y				
LZ5X	LZ	Bulgaria	355	14,253.0		11 2154	11 2154	20M	SSB	20						Y				
LZ1WR	LZ	Bulgaria	188	18,160.0		11 2149	11 2204	17M	SSB	20						Y	Y			
SV26WY	SV	I & West Macedonia	135	21,315.0		11 2129	11 2212	15M	SSB	20						Y		Y	Y	
LZ6K	LZ	Bulgaria	473	7,044.5		11 2357	11 2357	40M	RTTY	20						Y				
LZ3ZX	LZ	Bulgaria	445	10,106.5		12 0305	12 0305	30M	CW	20						Y				
Z30U	Z3	Macedonia	84	10,105.9		12 0345	12 0345	30M	CW	15						Y				
LZ3LD	LZ	Bulgaria	155	10,123.4		12 0426	12 0426	30M	CW	20						Y				
SV3AQR	SV	Peloponnese	383	18,148.0		12 0309	12 0439	17M	SSB	20						Y		Y		
LZ1ND	LZ	Bulgaria	355	21,208.0		12 0522	12 0522	15M	SSB	20						Y				
Z33A	Z3	Macedonia	355	18,076.0		12 0533	12 0533	17M	CW	15						Y				
SV1NN/3	SV	Peloponnese	84	21,005.2		12 1006	12 1056	15M	CW	20			Y			Y			Y	
Z35M	Z3	Macedonia	355	21,010.1		12 1105	12 1105	15M	CW	15						Y				
LZ6K	LZ	Bulgaria	84	21,087.5		12 1107	12 1135	15M	RTTY	20			Y			Y	Y			
SV36LL	SV	Peloponnese	61	21,290.0		12 1133	12 1155	15M	SSB	20			Y			Y				

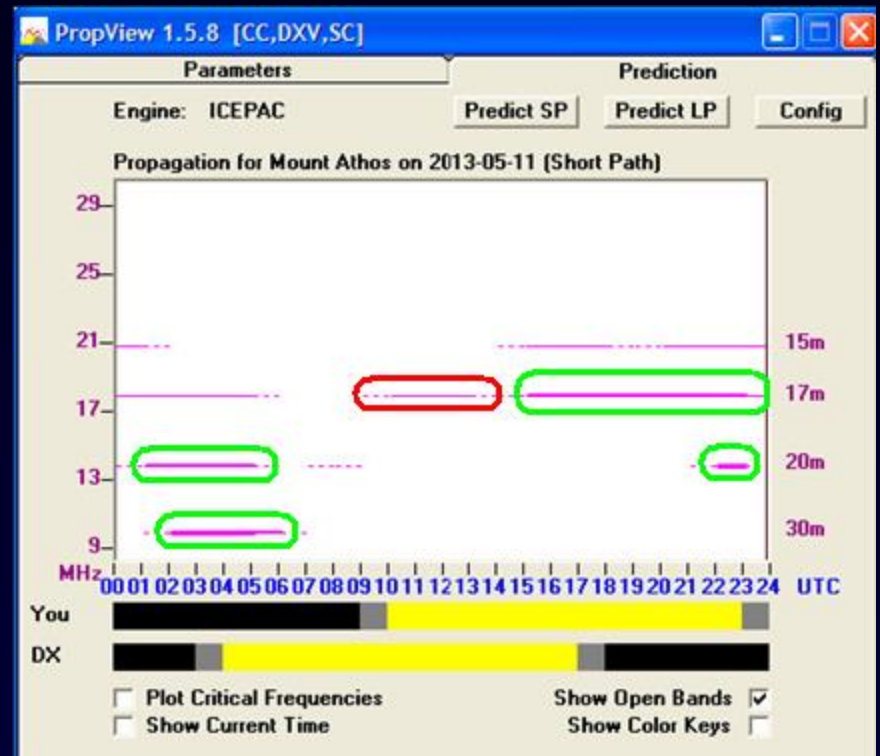
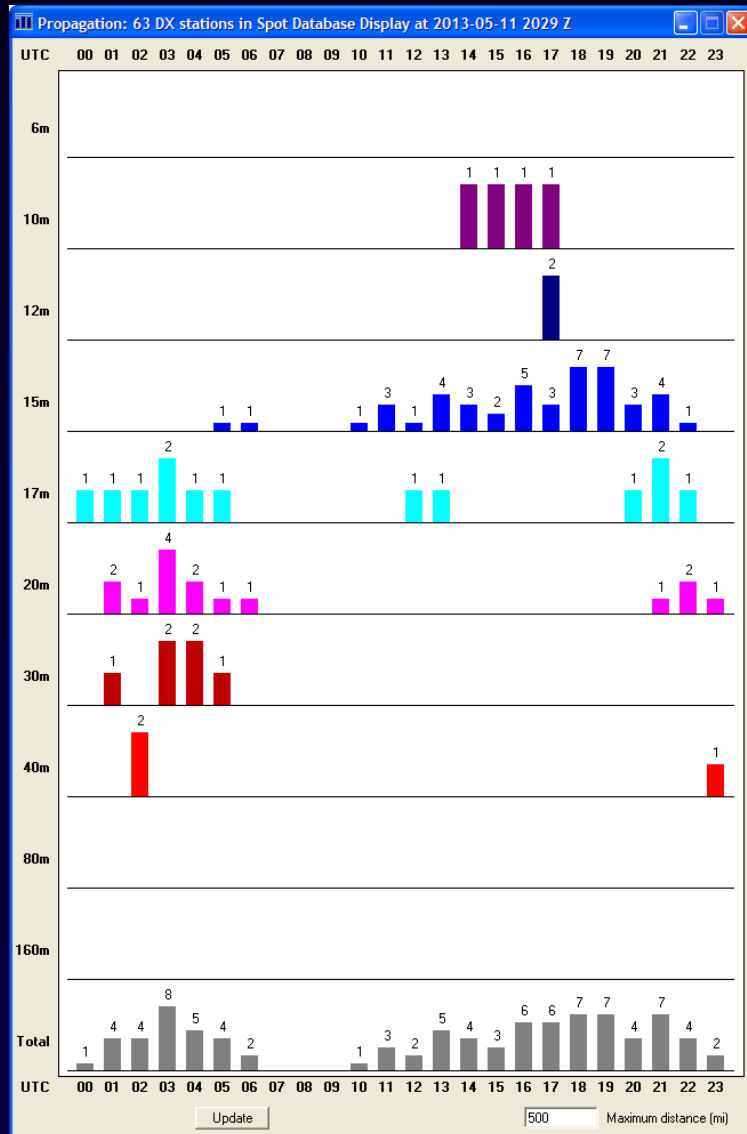
Sort: First Last Freq Rev Call Az Filter: SQL [nr SV-A] AH Need Call DXCC Freq Tag Band Mode Cont Origin Audio Age LotW eQSL Mthn ALT X Band X Mode digital X need NoK multiline last 3 nr SV-A

Color codes: verified, unetk'd B or M, LotW, unneeded, unetk'd counter, eQSL AG, unconfirmed, special tag, LotW & eQSL AG

Actual Propagation by Band & Time-of-Day



Compare Actual & Forecast Propagation



- 15m opening is stronger than forecast
- 17m can open as early as 12Z
- 20m is open when predicted
- 10m and 12m could support a QSO

SV2ASP/A: the Plan

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3. Rapidly QSY when SV2ASP/A is spotted
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 - Double-click to QSY and set split
 - Amplifier and/or Tuner settings
4. Use dual receivers and a panadaptor to rapidly locate Monk Apollo’s listening frequency

Insert an Entry in the Spot Database

DX Spot Sources

Active DX Database

**View
Generator**

LotW
Database

eQSL AG
Database

Log Database

DXCC needs

IOTA needs

Leaderboard needs

Marathon needs

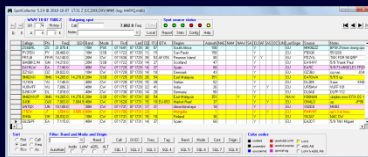
VUCC needs

WAS needs

WPX needs

WAZ needs

Logged
QSOs



Tabular Display



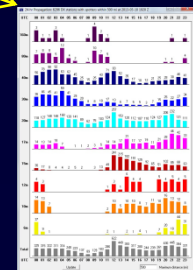
Audio & Email



World Map



Bandspread



Propagation

Insert an Entry in the Spot Database

DX Spot Sources

Active DX Database

“Local Spot”

LotW
Database

eQSL AG
Database

View
Generator

Log Database

DXCC needs

IOTA needs

Leaderboard needs

Marathon needs

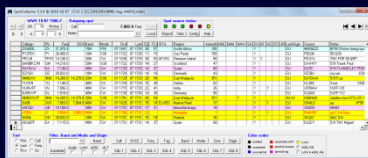
VUCC needs

WAS needs

WPX needs

WAZ needs

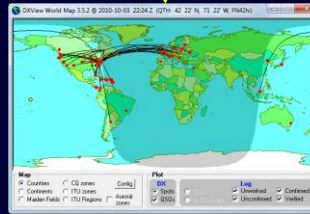
Logged
QSOs



Tabular Display



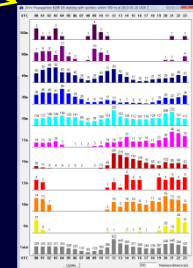
Audio & Email



World Map



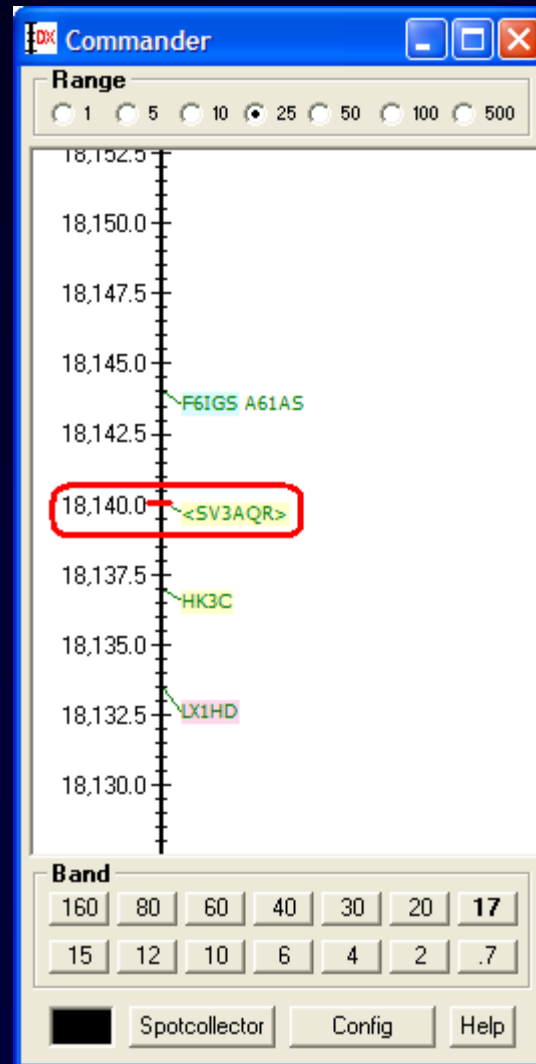
Bandspread



Propagation

Blueprinting the Band

“Locally Spot” Every Station You Identify



SV2ASP/A: the Plan

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Employ a European DX Cluster

DX Spot Sources

Active DX Database

**View
Generator**

LotW
Database

eQSL AG
Database

Log Database

DXCC needs

IOTA needs

Leaderboard needs

Marathon needs

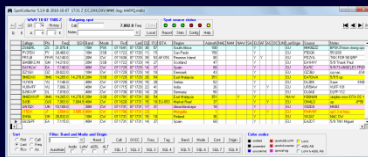
VUCC needs

WAS needs

WPX needs

WAZ needs

Logged
QSOs



Tabular Display



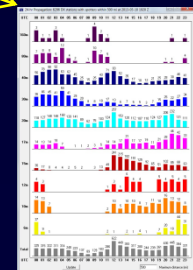
Audio & Email



World Map

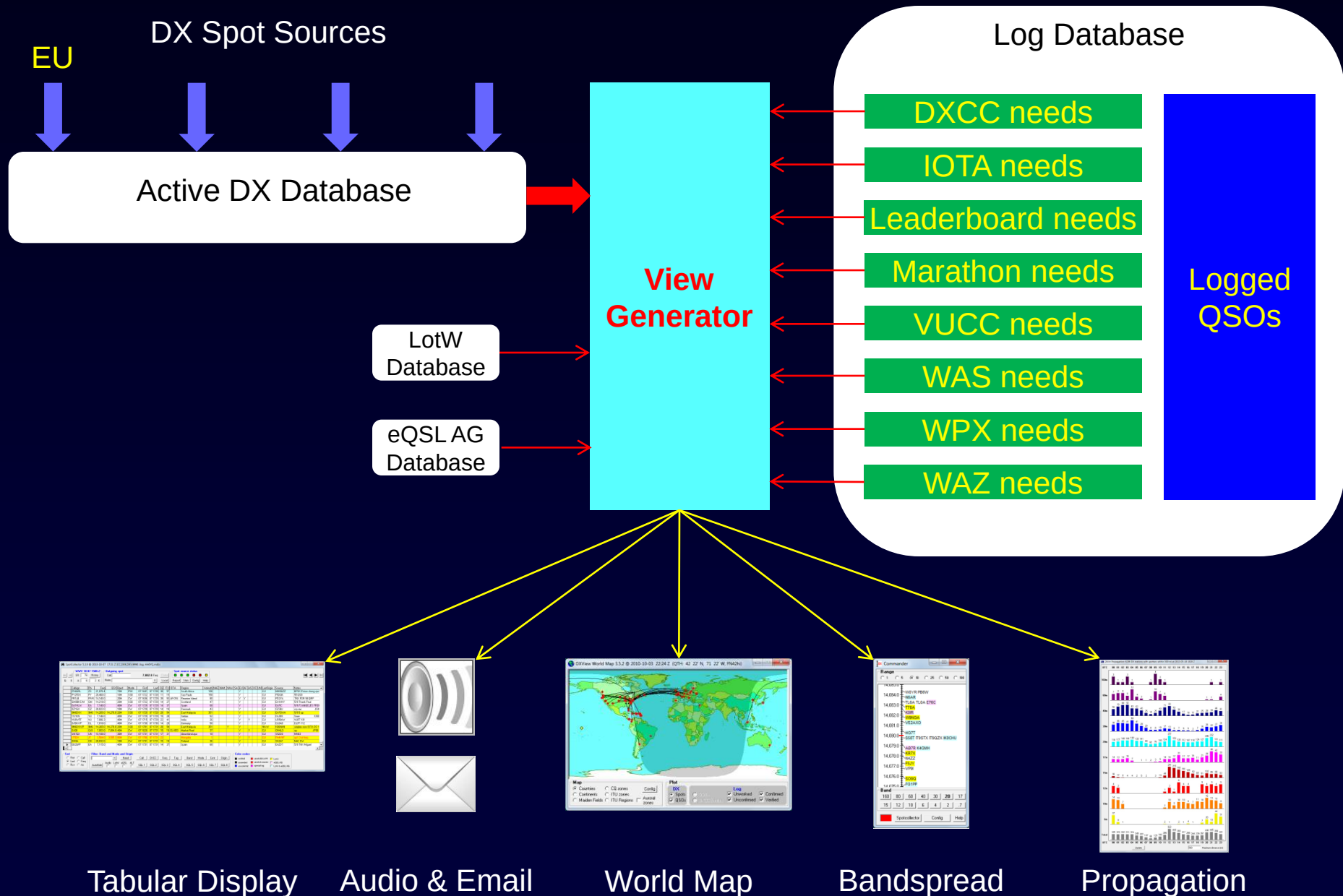


Bandspread



Propagation

Employ a European DX Cluster



SV2ASP/A: the Plan

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Main VFO: 17M S7

 0 999

Main Sub M = S M x S XFC

☐ Split ☐ Dual receive ☐ Ham bands only
 IC-7800 ☒ Mark V ☐ TS-2000 ☐ FT-817

Mode: USB

☐ LSB (Normal) ☐ FM (Normal) ☐
☒ USB (Narrow) ☐ AM (Wide) ☐
☐ CW (Normal) ☐ RTTY (Narrow) ☐
☐ CW-R (Normal) ☐ RTTY-R (Wide) ☐
☐ Data-L (Narrow) ☐ Data-U (Narrow) ☐

Sub VFO
 1 2 5 10


PTT: Rcvg

TX RX

Filters

Group Narrow
 Width 52
 PBT 1 50
 PBT 2 50

AL1200

Plate 7.75 Load 3 Band 17

ATR-30

Xmit Ant L

Bandsread

Msgs

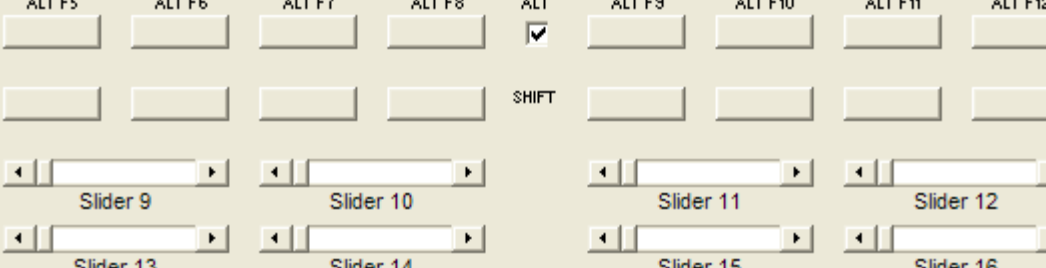
Scan ☐

Memory Banks

Config

Help

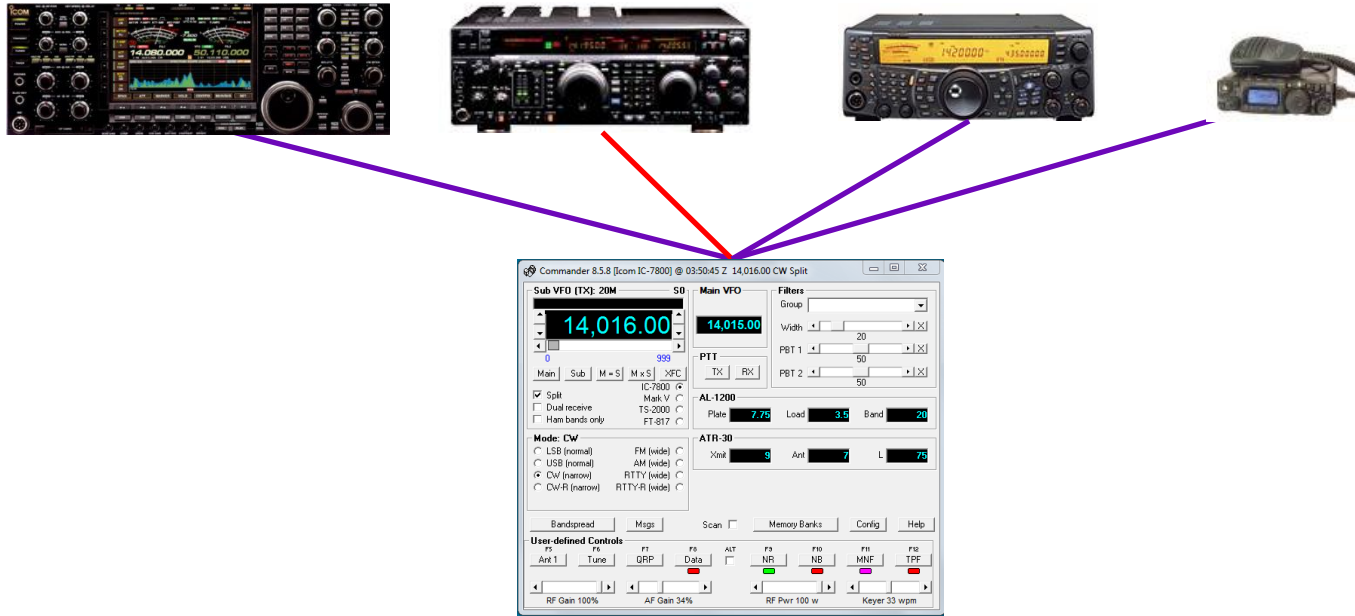
User-defined Controls

ALT F5 ALT F6 ALT F7 ALT F8 ALT ALT F9 ALT F10 ALT F11 ALT F12

 Slider 9 Slider 10 Slider 11 Slider 12
 Slider 13 Slider 14 Slider 15 Slider 16

SV2ASP/A: the Plan

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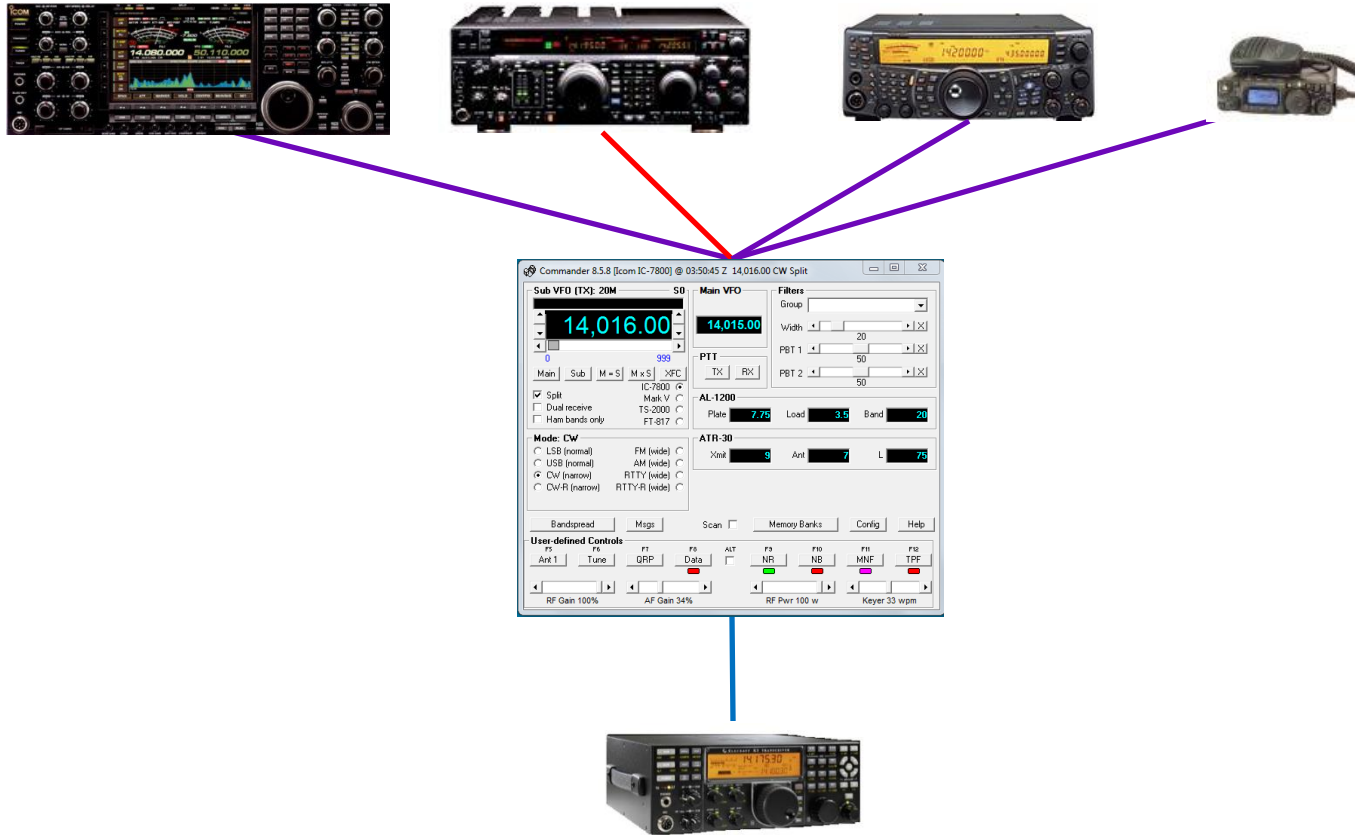
Commander: Multiple Radio Support



Select one of four *primary* radios

- By button click
- Automatically as a function of frequency

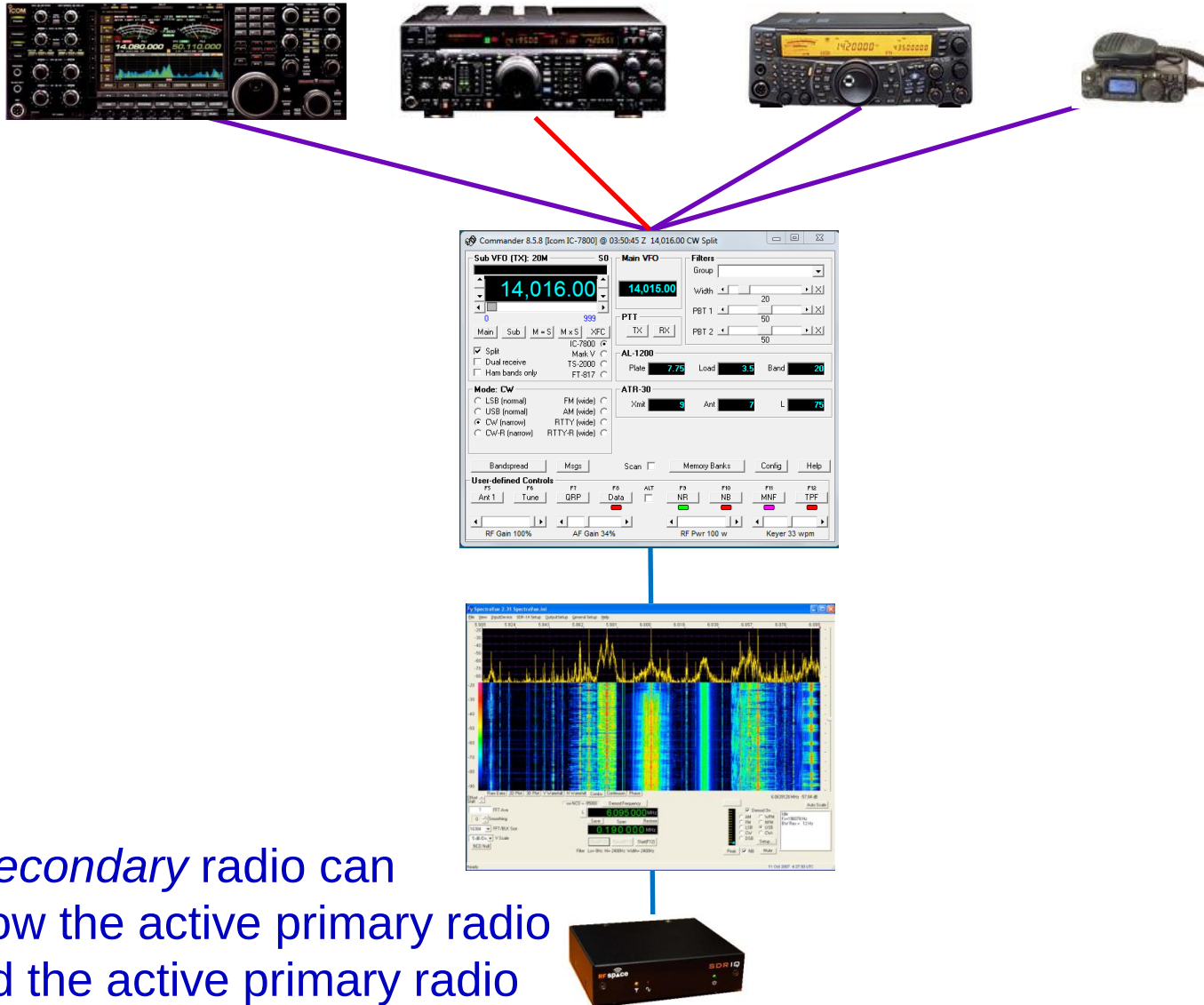
Commander: Multiple Radio Support



The *Secondary* radio can

- Follow the active primary radio Main or Sub VFO
- Lead the active primary radio

Commander: Multiple Radio Support



SV2ASP/A: the Plan

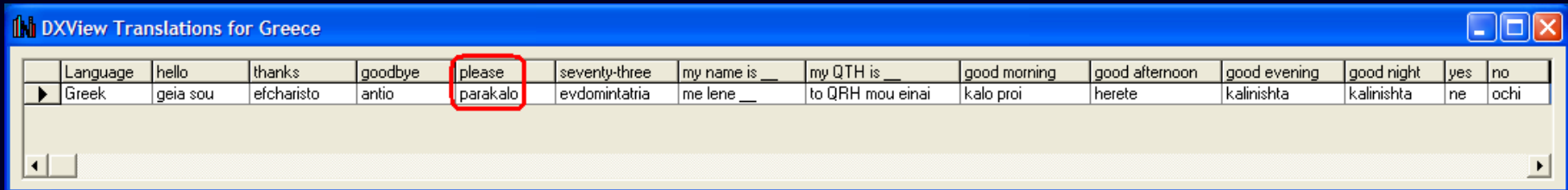
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SV2ASP/A: the Plan

One More Thing...

SV2ASP/A: the Plan

One More Thing...



Language	hello	thanks	goodbye	please	seventy-three	my name is __	my QTH is __	good morning	good afternoon	good evening	good night	yes	no
▶ Greek	geia sou	efcharisto	antio	parakalo	evdomintatria	me lene __	to QRH mou einai	kalo proi	herete	kalinishta	kalinishta	ne	ochi

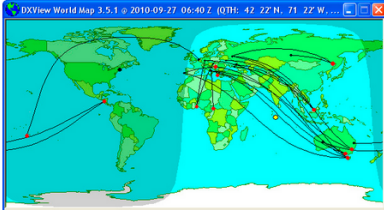
In a phone pileup, call

AA6YQ parakalo

DXing With DXLab

- Introduction to the DXLab Suite
 - Architecture
 - Development Drivers
 - Multiple Views of Active DX
- Finding the DX You Need
- Working the DX You Need

DXLab Overview



DXLab: Better DXing Through Software

Overview | Xcvr_Control | DX_Info | Logging | Digimodes | QSL_Info | DX_Spots | Propagation | Management | Documentation | Download

DXLab is a **freeware** suite of eight interoperating applications that can be installed independently in any order. When multiple applications are running, they sense each other's presence and automatically interoperate to support your **Amateur Radio DXing** activities:

- [Transceiver control with bandspread](#) - controls up to 4 Alinco, Elecraft, FlexRadio, Icom, JRC, Kachina, Kenwood, TenTec, Yaesu transceivers, with frequency and mode tracking by an independent transceiver, receiver, SDR-based panadaptor, or skimmer
- [Rotator control](#) - AlfaSpid, ARSWIN, Heath, Hygain, M2, N1MM Rotor, ProsisTel, SARtek, TIC, Trackbox, Yaesu
- [Solar terminator display and prediction](#) - shows grey line at any specified date and time
- [Prefix, Region, IOTA, and Gridsquare lookup and display](#)
- [Language translation](#) - displays translations of amateur radio words and phrases for languages used in a station's location
- World map display - beam heading, terminator, DX spots, VHF openings, auroral oval
- [Callbook lookup](#) - Buckmaster, RAC, or QRZ CDROMs, Hamcall Online, or QRZ.com (both free and with data access subscription)
- [Logging](#) - supports both real-time logging, and recording completed QSOs from paper logs
- [QSL card and label generation](#)
- [Logbook of the World and eQSL.cc support](#) - automated bidirectional synchronization
- [Award tracking and submission](#) - AJA, Canadaward, Challenge, DDFM, DOK, DXCC, Holyland, IOTA, JCC, JCG, Maidenhead Fields & Squares, Marathon, RDA, SRR, TopList, VUCC, USA-CA, WAB, WAC, WAE, WAJA, WAIP, WAHUC, WAS, WAZ, WPX, WAJA, WITU
- [QSL route discovery](#) - provides access to more than 80 online sources
- [PSK31, PSK63, PSK125](#) - monitors an entire band and displays heard callsigns
- [RTTY](#) - via the included MMTTY engine, with optional dual receive using a TNC
- [CW](#) (generation only) and [Phone](#) voice keyer
- [DX and WWW spot collection](#) - up to 6 clusters including DX Summit and the [Reverse Beacon Network](#), filtering, direct QSY with QSX
- [Propagation prediction](#) - provides a graphical view of openings by frequency and time using your choice of the included VOACAP, ICEPAC, and IONCAP forecasting engines
- [Propagation monitoring](#) - auto-QSY to monitor the IARU HF beacon network
- supports [add-in applications](#)
- [interoperates](#) with MultiPSK, MMSSTV, MMVARI, DM780, Fldigi, HRD, MixW(\$), DX Atlas(\$)

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SpotCollector640update.exe Cancelled

ADIF Modes and Subm...htm

Show all downloads...

DXLab

<http://trustedqsl.sourceforge.net/>
[DXLab](#)
[Downloading and Installing](#)
[ADIF 3.0.3 Specification](#)

[DXLab](#)
[TQSLDev](#)
[tqsl ViewGit](#)
[TQSL](#)
[TQSL bugs](#)
[Testing](#)
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[4500 A](#)
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[DX LAB](#)
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[Launcher](#)
[Pathfinder](#)
[PropView](#)
[SpotCollector](#)
[WinWarbler](#)

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SpotCollector646Update.exe

ADIF Modes and Subm...htm

Show all downloads...

Better DXing Through Software

DXKeeper 8.9.4 [CC,DXV,SC,WW] - AA6YQ.mdb : 18487 QSOs

Log QSOs QSL Check Progress my QTHs Import QSOs Export QSOs

QSO: Jordan
call JY4NE name QTH
mode RTTY via tx freq 14.086765 begin 9/20/2010 18:37
sent 599 rcvd 599 tx band 20M rx freq 14.086764 end 9/20/2010 18:37
power 1500 code 342 DXCC JY entity Jordan

New Save Undo CBA Delete Report Plot 18487 Adv RAT Capture Config Help

Call	DXCC	Starting UTC	Band	Mode	Sent	Rcvd	Name
JT50X	JT	9/19/2010 23:23	17M	CW	599	599	hadraabal
RXQAT	UA	9/20/2010 01:01	20M	RTTY	599	599	Vit
KP4JFR	KP4	9/20/2010 01:11	20M	RTTY	599	599	Jose
JY4NE	JY	9/20/2010 18:37	20M	RTTY	599	599	

Sort
UTC Call Adv Filter: None
EY7AD X Call DXCC Date Since Sel LotW Broke

SpotCollector 5.3.9 @ 2010-10-04 19:59 Z [CC,DXK,DXV,WW] (log: AA6YQ.mdb)

WwV 10-04 1806 Z
SRI 80 History
Q: 0 A 1 2 K

Outgoing spot
Call 14,086.2 Freq Cluster
Notes X Local

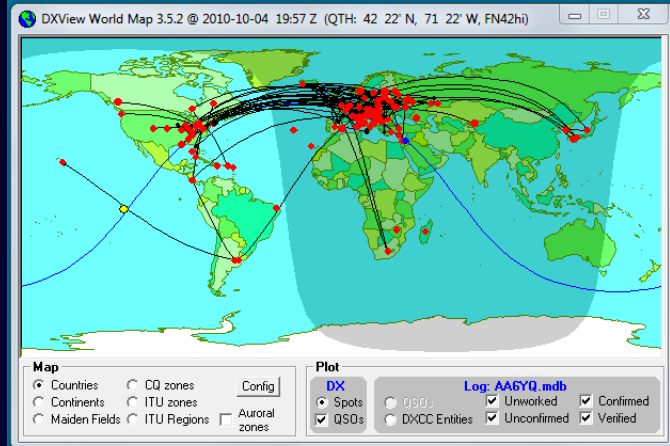
Spot source status
Report Stats Config Help

Callign	Pfx	Freq	Band	Mode	LastTime	Notes	NAE	NAM	NAW	SA	EU	AF	AS	OC	UN	LastOrig	Source
PS7DX	FY	14,018.3	20M	CW	10/4/2010 19:59	CQ 8 dB 21 WPM	Y	Y	Y		Y	Y				NA-E	N4ZR-#
SQ9CNS	SP	3,541.0	80M	CW	10/4/2010 19:59	CQ 16 dB 19 WPM					Y					EU	OL5Q-#
LA3TQ	LA	14,017.8	20M	CW	10/4/2010 19:59	CQ 18 dB 23 WPM					Y					EU	S5ZK-#
IK0RCD	I	14,025.6	20M	CW	10/4/2010 19:59	CQ 13 dB 18 WPM	Y	Y	Y							NA-M	K8ND-#
9A/SP9EVP	9A	7,017.0	40M	CW	10/4/2010 19:59	CQ 21 dB 26 WPM					Y					EU	OL5Q-#
UA9MA	UA0	1,822.5	160M	CW	10/4/2010 19:59	CQ 10 dB 25 WPM					Y					EU	EI6IZ-#

Sort
First Call
Last Freq
Rcv Az

Filter: Band and Mode
X Need Call DXCC Freq Tag Band Mode Cont Origin
AutoHide Audio LotW eQSL ALT SQL 1 SQL 2 SQL 3 SQL 4 SQL 5 SQL 6 SQL 7 SQL 8

Color codes
verified unworkd E
unneeded unworkd C
unconfirmd special t



WinWarbler 6.8.5 for AA6YQ @ 2010-10-04 19:59 Z [CC,DXK,DXV,SC]

QSO Info (Receive Pane 0)
Call 2 EY7AD 1st S Name Rakhim
QSL Via DIRECT - I CQ 17 ITU 30 QTH 735700
Buro Grid MN30 Pri sub Sec sub
LotW IOTA Az Path S Comment

local: 2010-10-05 00:59 Xcvr Freq
RX 14,086.19
TX 14,086.19

QU0TH00 DX CQ DX DE SV1PAS SV1PAS PSE K
DS1PAUSSVPAS DEHPFF,PD1BPSE K...
))JTCQ DX CQ DX DE SV1PAS SV1PAS PSE EUU00ESQ DX CQ DX DE SV1PAS SV1PAS PSE K
S MSQVAS UV1PAS DE PD1ANB,PD1ANB
PSE K...90R2 0R2 0R2 DE SV1PAS SV1PAS PSE K

Commander 8.5.8 [Icom IC-7200] @ 19:59:42 Z 14,086.19 LSB

VFO A: 20M 9
14,086.19
0 999
A B A=B A x B XFC
Split
Ham bands only

Mode: LSB
LSB (normal) FM (wide)
USB (normal) AM (wide)
CW (narrow) RTTY (wide)
CW-R (narrow) RTTY-R (wide)

Filters
Group normal
Width 0
PBT 1 50
PBT 2 50

PTT: Rcvg
TX RX
AL-1200
Plate 7.75 Load 4 Band 20

Bandsread Msgs Scan Memory Banks Config Help

Commander
Range
1 5 10 25 50 100
14,088.5
14,088.0 EI7FBF
14,087.5 EA4AHE
14,087.0
14,086.5 UR7ITU
14,086.0 PF7DKW
14,085.5 LX8RTTY
14,085.0 SP9GKJ
14,084.5
14,084.0
Band
160 80 60 40 30 20 17
15 12 10 6 4 2 7
Spotcollector Config Help

