

Meteorscatter (MS)

A meteor streaks across a starry night sky, leaving a bright white trail. The background is a dark, star-filled sky with a faint blue glow near the horizon. The foreground shows a dark, silhouetted landscape with rolling hills and a few trees.

2 m DX auch für OMs
mit „normaler“
Stationsausrüstung

Meteorscatter (MS) ist neben Sporadic E (ES) und Aurora (AU) eine der verbreitetsten Verkehrsmöglichkeiten, um im VHF-Bereich mit minimalem Aufwand DX-Verkehr zu machen. Dabei werden Ionisationsspuren von in die Erdatmosphäre eindringenden und verglühenden Meteoriten als Reflektoren für die Radiowellen verwendet. Es sind **Entfernungen von 500 km bis max. 2500 km** möglich und damit quasi ganz Europa von DL aus erreichbar.

Was brauch man?

Stationsausrüstung

2 m Yagi-Antenne (6-9 Elemente reichen schon)

VHF-Transceiver



PC-Interface



PC



Software

z.B. WSJT-SW von **K1JT**
(Version 9.0, Mode: FSK441)

Informationen zu diesem Programm siehe:



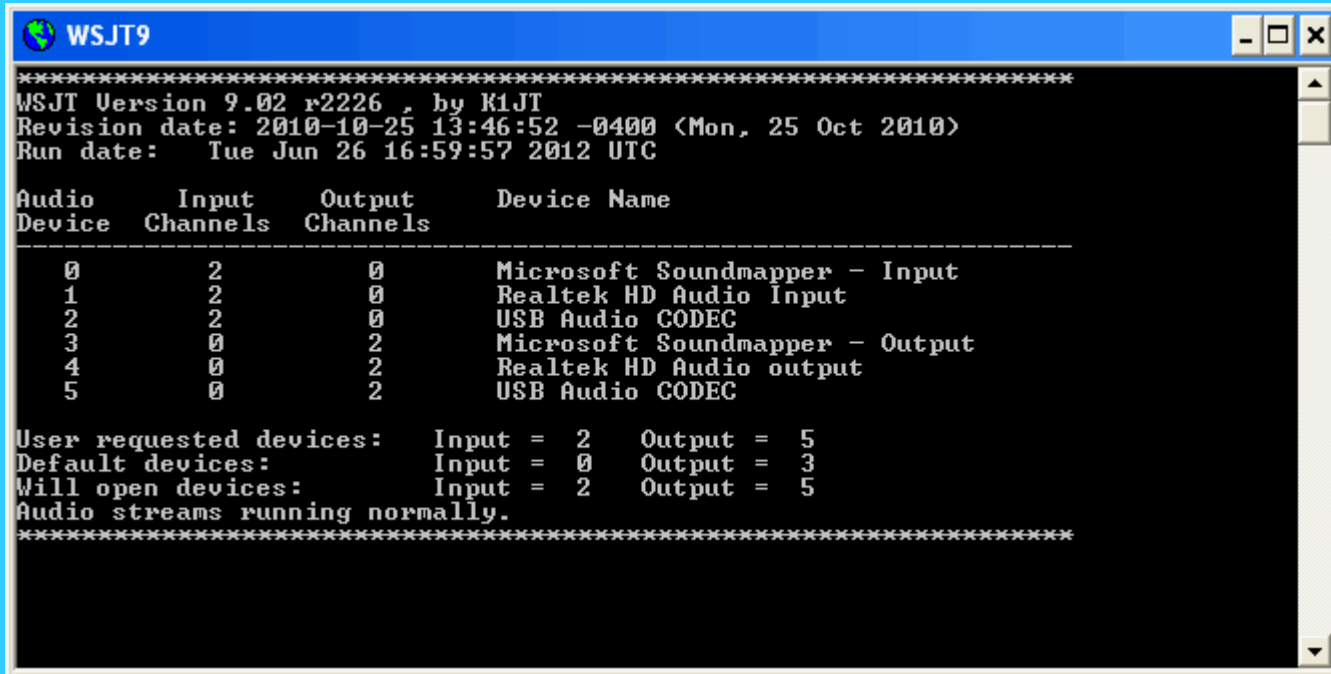
JT65-Vortrag von Hans (DF1AN)



**SW-Download + dt. Bedienungsanleitung
von folgender Webseite:**

<http://physics.princeton.edu/pulsar/K1JT/wsjt.html>

HW - Monitor



```
*****  
WSJT Version 9.02 r2226 , by K1JT  
Revision date: 2010-10-25 13:46:52 -0400 (Mon, 25 Oct 2010)  
Run date: Tue Jun 26 16:59:57 2012 UTC  
*****  
Audio      Input      Output      Device Name  
Device     Channels   Channels  
-----  
0          2          0          Microsoft Soundmapper - Input  
1          2          0          Realtek HD Audio Input  
2          2          0          USB Audio CODEC  
3          0          2          Microsoft Soundmapper - Output  
4          0          2          Realtek HD Audio output  
5          0          2          USB Audio CODEC  
  
User requested devices:  Input = 2   Output = 5  
Default devices:       Input = 0   Output = 3  
Will open devices:     Input = 2   Output = 5  
Audio streams running normally.  
*****
```

WSJT- Hauptfenster

WSJT9

```
*****  
WSJT Version 9.02 r2226 , by K1JT  
Revision date: 2010-10-25 13:46:  
Run date: Tue Jun 26 16:59:57 2
```

Audio Device	Input Channels	Output Channels	Dev
0	2	0	Mic
1	2	0	Rea
2	2	0	USI
3	0	2	Mic
4	0	2	Rea
5	0	2	USI

User requested devices: Input
Default devices: Input
Will open devices: Input
Audio streams running normally.

WSJT 9.02 by K1JT

File Setup View Mode Decode Save Band Help

- ✓ FSK441
- ISCAT
- JT65A
- JT65B
- JT65C
- JT4A
- JT4B
- JT4C
- JT4D
- JT4E
- JT4F
- JT4G
- CW
- Echo
- Measure
- JTMS
- Diana

7.9 Time (s)

FileID T Wic F Freq (kHz)

Log QSO Monitor Decode Erase TxStp

To radio: RN3A Lookup
Grid: ko85nu Add
Hot A: 83 Az: 73 El: 4 1532 km
2012 Jun 26 17:35:42 Dsec 0.0
S 0 Zap
Tol 400 Rx ST
Tx First Tx ST
Rpt: 26
Gen Msgs Auto is Off

RN3A DL4KUG	<input checked="" type="radio"/>	Tx1
RN3A DL4KUG 26 26	<input type="radio"/>	Tx2
RN3A DL4KUG R26 R26	<input type="radio"/>	Tx3
RRRR RRRR DL4KUG	<input type="radio"/>	Tx4
73 DL4KUG	<input type="radio"/>	Tx5
CQ DL4KUG	<input type="radio"/>	Tx6

1.0001 1.0068 FSK441 Freeze DF: 0 Rx noise: 2 dB T/R Period: 30 s Receiving

Setup - Einstellungen

Options

Station parameters

My Call: dl4kug

Grid Locator: jo64pb

ID Interval (m): 0

PTT Port: 4

Audio In: 2

Audio Out: 5

Rate In: 1.0

Rate Out: 1.007

PTT line: DTR RTS

Distance unit: mi km

Message templates for FSK441, ISCAT

EU NA

Report Grid

My tag His tag

Reset Reset and Gen Msgs

Tx 1: %T %M

Tx 2: %T %M %R %R

Tx 3: %T %M R%R R%R

Tx 4: RRRR RRRR %M

Tx 5: 73 %M

Tx 6: CQ %M

Miscellaneous

DXCC prefix: DL

Source RA: 0

Source DEC: 0

AzEIDir: C:\Program

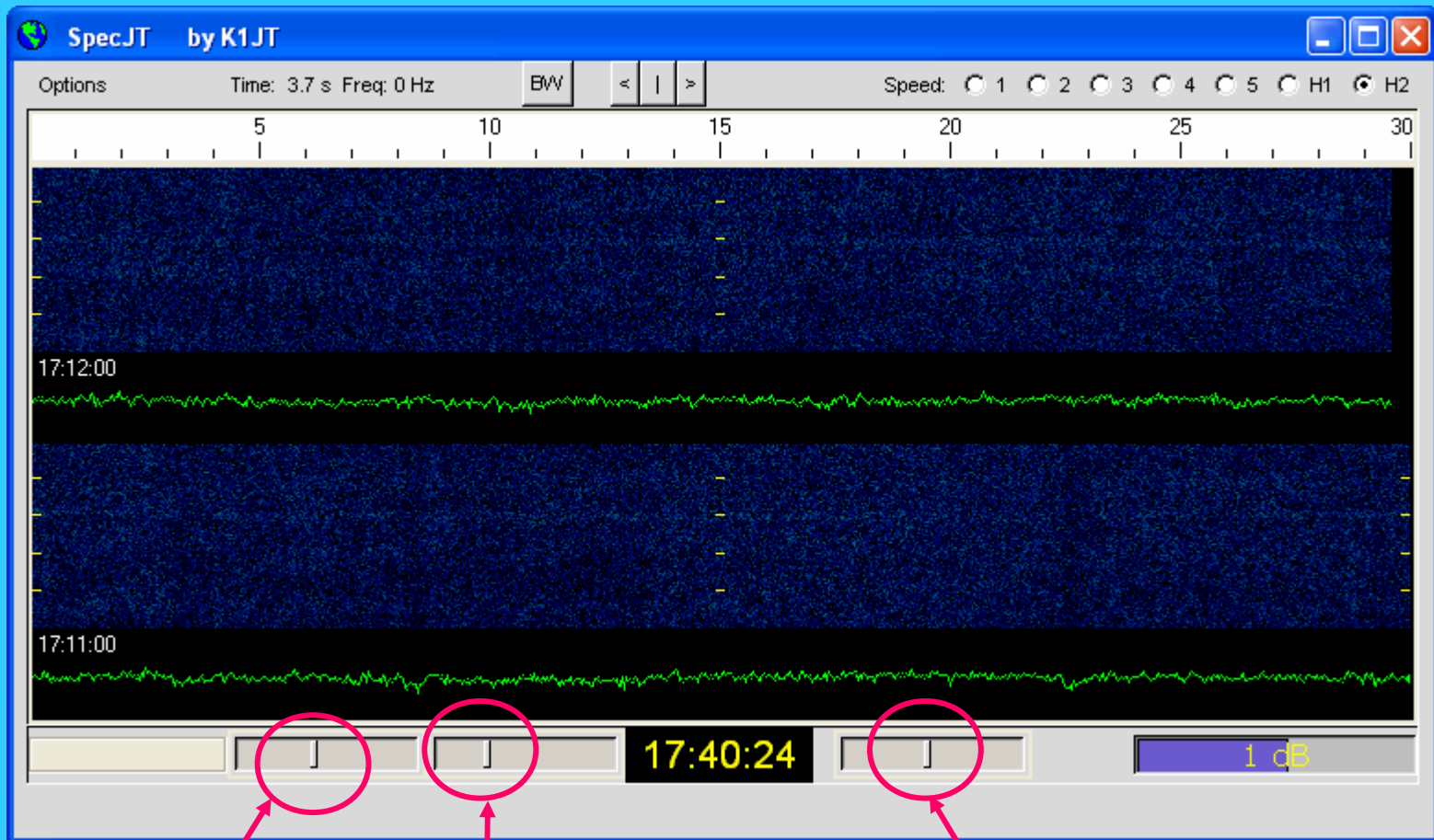
Echo Avg (m): 1

RIT (Hz): 0

Dither (Hz): 0

Parameter müssen mit den Werten im Hauptfenster übereinstimmen! (sind soundkartenabhängig)

Spectrumfenster



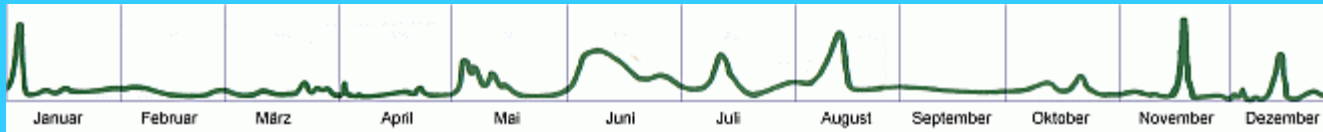
Helligkeit

Kontrast

Dig. Gain

Infos zu MS-Bedingungen

- MS-Schauerzeitplan



Quadrantiden

Eta-Aquariden

Boötiden

Delta-Aquariden

Perseiden

Leoniden

Geminiden

• Infos im Internet:

<http://www.mmmonvhf.de/ms.php>

The screenshot shows the website interface for meteor activity. At the top, there is a navigation menu with links: HOME, NEWS, REVIEWS, VHF-DATABASE, PROPAGATION, BEACON, PROJECTS, MMM INSIDE, NEWSLETTER, FORUM, DOWNLOADS, CONTACT. A logo for 'More Meteors on VHF' is displayed, along with the text 'Your premier information hub for VHFDX'. A user greeting 'Welcome back DL4KUG' and links for 'Logout' and 'My Account' are visible. There are also flags for Germany, France, and Spain.

The main content area is titled 'Meteorscatter' and features an 'Overview of latest Meteor Activity'. It contains two heatmaps: 'This Month's Meteor Activity' for June 2012 and 'Last Month's Meteor Activity' for May 2012. Both heatmaps show meteor counts per hour (UTC) over a 24-hour period. The y-axis represents UTC hours from 0 to 23, and the x-axis represents days from 1 to 30 (or 31 for May). A color scale on the right of each heatmap indicates the count, ranging from 0 (black) to 150 (red).

Below the heatmaps, there is a note: 'All Meteor data are provided by Andy, G7IZU, tuned to 55.250 / 59.257 MHz. Many thanks! Feel free to check out his [Radio Reflection Detection](#) site for more details.'

The page also includes a section titled 'PREVIEW of 144 MHz-Activities for the upcoming METEOR-Showers' and 'UPCOMING METEOR SHOWERS: JULY 2012'. It describes the 'Southern δ -Aquiriids' peaking on July 29, and other showers like 'Piscis Austrinids' and ' α -Capricornids'. It also mentions 'Sporadic Meteors rates' and provides theoretical UT peaks for July 2012.

On the right side, there is a sidebar with a 'Meteorscatter' section containing an information icon and text: 'If you want to read more about the theory, practice, tools and so on please feel free to take a look at some articles in our FORUM.' Below this is a 'Today's Meteor Activity' section with a small heatmap and a 'G7IZU RRD LIVE FFT' section showing a 'Past 5h Meteor Activity' plot.

At the bottom of the browser window, there is a status bar with a warning icon and the text 'Fehler auf der Seite.' and a taskbar showing 'Internet' and '100%' zoom.

Virgo
Meteor Sky View

2012-06-28
07:36:01 UTC

DL4KUG
JO64PB

Your call sign:
DL4KUG

Your locator:
JO64PB

Save data

Sky display

W - E
 Ticks
 Labels

Azimuth indicator

Antenna
 Meteor trails

Info

[[No applet?](#)]

[[Help](#)]

[[Screenshot](#)]

Meteor Shower	Ref.	Rise	Set	RA	Decl.	ZHR	Class	Visual Activity Peak
Antihelion Source	ANT	19:56	03:53	289	-21	4	2	
Beta-Taurids Daytime	DBT	02:26	18:19	86	19	--	2	2012-06-28 04:05
June Bootids	JBO	circumpolar		224	48	var	3	2012-06-27 02:55

Meteor radiant data courtesy of [International Meteor Organization](#)

If you don't see the **meteor sky view applet**, please update your JAVA runtime environment to **JRE 5.0 or higher!** [[download JAVA](#)]

QSO/SWL real time maps - EU - 144 - Windows Internet Explorer

http://www.vhfdx.info/spots/map.php?lan=E&Frec=144&Map=EU&mycall=8myloc=8freq=8prop=

Suche | Anmelden

QSO/SWL real time maps - EU - 144

VHFDX.INFO Site Personal Radio Software DX-Sherlock Travels Humor Translate Login

DX Sherlock 2.3 - QSO/SWL real time maps

Map List Graph Europe Africa NorthAmerica South America Asia Oceania World Grey line

HF VHF 28 MHz 50 MHz 70 MHz 144 MHz 432 MHz >450 All Sat FM DX Ticker ES MUF only DX-cluster

WWW.DXSHERLOCK.INFO
QSO on 2m / 2012-06-29
from 06:20z to 07:20z

MWV info 2012-06-29 06:00z
SFI=120 A=6 K=1-Quiet
SMX=Quiet

Aurora Aurora-E Back-Scatter EME Sporadic-E Multihop ES FAI
Iono-Scatter MS TEP Tropo F2 Unknown

Internet 100%

http://www.on4kst.org/chat/index.php

The 144/432 MHz chat (by ON4KST) Web 2.0 version - Windows Internet Explorer

http://www.on4kst.org/chat/index.php

Suche - Mehr >> Anmelden

Favoriten Registrieren Mein Kunden-L... AFU JT65 EME Link by N0UK LiveCQ

The 144/432 MHz chat (by ON4KST) Web 2.0 version

MENU

UTC	CALL/NAME	144/432 MHz MESSAGE
07:38:33	SV6KRV Apostolos	(I3MEK) Mario 1 way many trnx for try ciao next time better
07:38:08	I3MEK Mario	(SV6KRV) Apostolos ok, here very weak, non readable
07:36:14	SV6KRV Apostolos	-22 again
07:36:10	SV6KRV Apostolos	F6BEG Gérard very good vaggelis good friend
07:34:53	F6BEG Gérard	(SV6KRV) kalimera Apostolos, yesterday worked one of your neighbours SV6HHD on 6 m
07:34:24	SV6KRV Apostolos	(I3MEK) Mario here -24 and -22 (F5JNX) bjr Jean-Marc et bonne chance, je ne l'ai encore pas entendu
07:33:39	F6BEG Gérard	(SV6KRV) Apostolos sri ,no trace here
07:32:29	HB3YAT Manfred	stop cq
07:25:47	SV6KRV Apostolos	RRRR GL
07:25:35	I3MEK Mario	(SV6KRV) Apostolos ok, ready in 2 mins ,GL
07:24:36	SV6KRV Apostolos	kalimera Gerard
07:24:35	9A5BBP Predrag	(SP2MKO) Marek want try fsk ?
07:23:40	SV6KRV Apostolos	(I3MEK) Mario 115 kv 1st?
07:22:56	I3MEK Mario	F6BEG sit Gérard
07:22:19	I3MEK Mario	(SV6KRV) kalimera Apostolos ok , we can try , pse qrg?
07:20:16	F6BEG Gérard	gm all
07:17:15	YU110 Mil	CQ 2nd 370 qtf 5
07:13:43	HA5CRX/QRL Jani MMMonVHF	GM ALL
07:10:25	HB3YAT Manfred	CQ 370, 2nd, QTF=130°
07:06:00	SV6KRV Apostolos	(I3MEK) ciao Mario kalimera test jt65a?
07:04:05	RN6DJ Sergej 4x10h/500	Lyndon 73!
07:03:50	DJ9EV Helmut	070300 26.8 280 6 26 -19 CQ ESO/DL1RNV
07:03:38	GW8JLY Lyndon 350w 9el	qrt now - 73
07:02:45	RN6DJ Sergej 4x10h/500	GW8JLY Lyndon i-net stuped...
07:01:53	SV6KRV Apostolos	====stop cq =====
07:00:33	Y17W Nesa	(UT5DL) Slava, pse ur mail... (RN6DJ) Mv XYI ,does not like

Send DL4KUG

UTC	SPOTTER	QRG	DX	INFO
0732 ea3ep	144300.0	EA2JR		usb-antonio
0710 dftan	144376.0	ES0DL1RNV		Denke Ronny, nur 717km, jetzt
0710 yf4ic	144376.0	ES0DL1RNV		tnx kn94g-MS-kefo at 06:51
0706 s51at	144376.0	ES0DL1RNV		gm, pse QTF to S5
0658 ch2bs	145525.0	KF5LWS		KP20NE<ES>EM50QJ Trnx for qso P
0648 Gekh	144467.0	K7UXWB		JN55SR<sea>JN90AM
0646 Gekh	144406.0	SV8KQB		JN55SR<sea>KM08HQ 529
0633 n8dj	144298.0	WD9BGA/B		now 10 over 9
0628 dftan	144376.0	ES0DL1RNV		GM Ronny, bitte auch zu J063sx
0628 f6htj	144485.0	TK5ZMK/B		jn41<tr>jn12 599+
0618 ra3el	144376.0	ES0DL1RNV		Pse turn KO62AX
0603 n6dj	144376.0	ES0DL1RNV		pse dir, kn96
0555 gw8jy	144376.0	ES0DL1RNV		Please to GW
0554 dftan	144376.0	ES0DL1RNV		Ko18de qrv nw
0521 f4gcu	144284.9	F4AQG		JN12lg=>JN23no Trnx 59
0515 f4gcu	144284.7	F1DRN		JN12lg=>JN23mt Trnx 59+
0511 f4gcu	144244.0	F1EYB		JN12lg=>JN23kk Trnx 59+
0511 n8dj	144298.0	WD9BGA/B		beacon is S9
0508 f1eyb	144244.0	F1YJ		JN23<=>JN17 59... 523 Km
0403 n4qv	144300.0	K4MHZ/B		FM25<EL96 559
0354 n6dj	144370.0	YU110		kn96<ms>kn04 trnx Mill 8s/12db
0353 ka0kyz	144200.0	N8DJB		en33 <tr> en81
0351 ka0kyz	144200.0	VE3ZV		en33 <tr> en82
0347 n8iez	144200.0	KA0KYZ		EN82MM<TR>EN33 trnx
0341 ko9a	144200.0	KA0KYZ		EN52XC<TR>EN33

100 of 11670 registered u

DL4KUG	J064PB	Erich
F5JNX	JN37PV	Jean
GW8JLY	IO81JM	Lync
LZ2FO	KN13KX	Tsek
PA4EME	JO20MX	Fran
SM4HF1	JP70TO	Jan
UT5ER	KN78ER	Arka
9A5BBP	JN7AOC	Pred
DC9YC	JO31GK	Diete
DF1AN	JO63SX	Hans
DG2KBC	JN58M	Ansg
DG8NCO	JO50VH	uwe
DJ9EV	JN49SC	Helm
(DJ9YE)	JO43HV	Klau
DK1KO	JO53CT	Reinl
DK9TF	JO31NF	Jueri
DL1TNG	JO62RE	Geor
DL3MBJ	JN57IN	Fran
DL4DWA	JO61GH	Uwe
DM1CG	JO30GU	Cars
E3KD	IO51TT	Mark
ES3RF	KO29IF	Genr
F00IX	IN93SV	Clau
F1AFJ-1	JN06HT	John
F1PYR	JN19DA	Andr
F4CWN	JN03KN	FLO
F4EGA	JO10GK	Patric
F4TXU	JN23CX	Patric
F6BEG	JN25JS	Gérs

Fertig Internet 100%

Regeln für MS-Betrieb

Nachfolgende Regeln gelten sowohl für

- **Random QSO**

Eigener CQ-Ruf oder Antwort auf CQ-Ruf **als auch für**

- **Sked QSO**

Verabredung im ON4KST-Chat (QRG, Sendeperiode)

1. Frequenzbereich für FSK441: **144.350 ... 144.399**
2. CQ-Frequenz (i.a.): **144.370**
3. TX/RX-Periode: **30 sec**
4. Mitteleuropa startet in der 2.Periode, d.h. um **xx.30** Min.)
5. PC-Uhr auf **+/- 1 sec** genau einstellen
6. Anpassung der Menüeinstellungen im Hauptfenster für IARU Reg 1 Prozeduren (s.a. folgende Folie)

**Vor QSO-Ende keine QSO-Daten im Chat eingeben!
Sonst QSO ungültig!!!**

WSJT 9.02 by K1JT

File Setup View Mode Decode Save Band Help

08:36:00

15.1 Time (s) Mon_120701_083600

FileID	T	Width	dB	Rpt	DF	
083600	18.1	60	0	16	-36	AB2G!V7K 4
083600	18.3	100	0	16	-19	7?E G T* SP8&
083600	18.5	60	0	16	-181	&TCOK WCOYJ
083600	18.7	120	3	26	-55	S6C CQ SM2CEW KP15

Log QSO Stop Monitor Decode Erase TxStop

To radio: SM2CEW Lookup
Grid: KP15cr Add

Hot A: 28 Az: 17 El: 5 1388 km
Dsec: 0.0

2012 Jul 01
08:37:23

S 0 Zap
Tol 400 Rx ST
Tx First Tx ST
Rpt: 26
Gen Msgs Auto is Off

- SM2CEW DL4KUG Tx1
- SM2CEW DL4KUG 26 26 Tx2
- SM2CEW DL4KUG R26 R26 Tx3
- RRRR RRRR DL4KUG Tx4
- 73 DL4KUG Tx5
- CQ DL4KUG Tx6

1.0001 1.0068 FSK441 Freeze DF: 0 Rx noise: 2 dB T/R Period: 30 s Receiving

QSO-Ablauf (FSK441 Mode)

- Bei eigenem CQ-Ruf:

Periode	Station 1	Station 2
•	CQ DL4KUG	
•		DL4KUG IK0BZY 26 26
•	IK0BZY DL4KUG R26 R26	
•		RRRR RRRR IK0BZY
•	73 DL4KUG	
•		73 Ik0BZY

↙ ↘
Nicht zwingend erforderlich

- Bei Anruf nach fremden CQ-Ruf:


Periode	Station 1	Station 2
•		CQ IK0BZY .385
•	IK0BZY DL4KUG 26 26	
•		DL4KUG IK0BZY R26 R26
•	RRRR RRRR DL4KUG	
•		73 Ik0BZY
•	73 DL4KUG	

Nicht zwingend erforderlich

IK0BZY erwartet den Anruf und die QSO-Führung auf 144.385 MHz

• Bei Sked-QSOs:

Periode	Station 1	Station 2
•	IK0BZY DL4KUG	
•		DL4KUG IK0BZY 26 26
•	IK0BZY DL4KUG R26 R26	
•		RRRR RRRR IK0BZY
•	73 DL4KUG	
•		73 Ik0BZY



 Nicht zwingend erforderlich

Wichtig: Erst wenn beide Rufz. + Rprt fehlerfrei empfangen sind, nächste Sequenz starten!! Gilt für jedes QSO!

Beispiel f. MS-QSO

oder
FSK441

WSJT 9.02 by K1JT

File Setup View Mode Decode Save Band Help

07:49:00

FileID	T	Width	dB	Rpt	DF	Time (s)	IK0BZY_120608_074900	Freq (kHz)
074700	10.1	200	3	26	36	KFNBPY	DL4KUG IK0BZY	DL4KUG IK0BZU
074700	10.1	200	3	26	36	DL4KUG	IK0BZY	*
074700	9.7	180	2	26	36	DL4KUG	IK0BZY	*
074900	2.5	240	3	26	15	R26 R26	DL4KUG IK0BZ.	*
074900	2.9	80	4	16	29	9R26	DL4KUG IK0BZ	*
074900	21.3	120	3	26	5	LAI R26 R26	DL4KUG IK0BY	*
074900	21.7	60	0	16	29	I0LZY RY6 RX0		
074900	21.8	40	0	16	29	Y R26 R26		*
074900	21.9	200	3	26	28	R26 R26	DL4KUG IK0BZY	*

Log QSO Monitor Decode Erase TxStgp

To radio: IK0BZY Lookup S 0 Zep IK0BZY DL4KUG Tx1
 Grid: jn61gw Add Tol 400 Rx ST IK0BZY DL4KUG R26 R26 Tx2
 Freeze IK0BZY DL4KUG R26 R26 Tx3
 Tx First Tx ST RRRR RRRR DL4KUG Tx4
 Rpt: 26 73 DL4KUG Tx5
 Gen Msgs Auto is ON CQ DL4KUG Tx6

1.0001 1.0068 JTMS Freeze DF: 0 Rx noise: 2 dB T/R Period: 30 s Receiving

SpecJT by K1JT

Options Time: 13.0 s Freq: 2282 Hz BW < | > Speed: 1 2 3 4 5 H1 H2

07:48:00

07:47:00

07:48:27

WSJT 9.02 by K1JT

File Setup View Mode Decode Save Band Help

07:50:59

23.7 Time (s) IK0BZY_120608_075059

FileID	T	Width	dB	Rpt	DF	Text	Star
074700	9.7	180	2	26	36	DL4KUG IK0BZY	*
074900	2.5	240	3	26	15	R26 R26 DL4KUG IK0BZ.	*
074900	2.9	80	4	16	29	9R26 DL4KUG IK0BZ	
074900	21.3	120	3	26	5	LAI R26 R26 DL4KUG IK0BY	
074900	21.7	60	0	16	29	I0LZY RY6 FX0	
074900	21.8	40	0	16	29	Y R26 R26	
074900	21.9	200	3	26	28	R26 R26 DL4KUG IK0BZY	*
075100	23.9	180	4	26	13	R26 R26 DL4KUG IK0BZY	*

Log @SO Stop Monitor Decode Erase TxStp

To radio: IK0BZY Lookup
Grid: Jn61gw Add
Hot A: 172 Az: 183 Et: 5 1348 km
2012 Jun 08 07:52:26 Dsec: 0.0

S 0 Zap
Tol 400 Rx ST
Efreeze
Tx First Tx ST
Rpt: 26
Gen Msgs Auto is ON

IK0BZY DL4KUG Tx1
IK0BZY DL4KUG 26 26 Tx2
IK0BZY DL4KUG R26 R26 Tx3
RRRR RRRR DL4KUG Tx4
73 DL4KUG Tx5
CQ DL4KUG Tx6

1.0000 1.0068 JTMS Freeze DF: 0 Rx noise: 2 dB T/R Period: 30 s Receiving

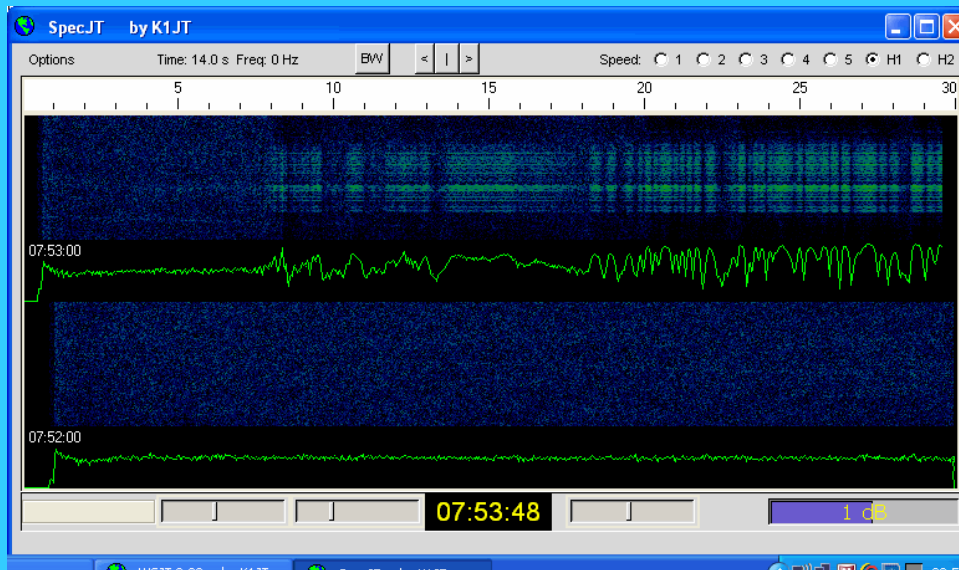
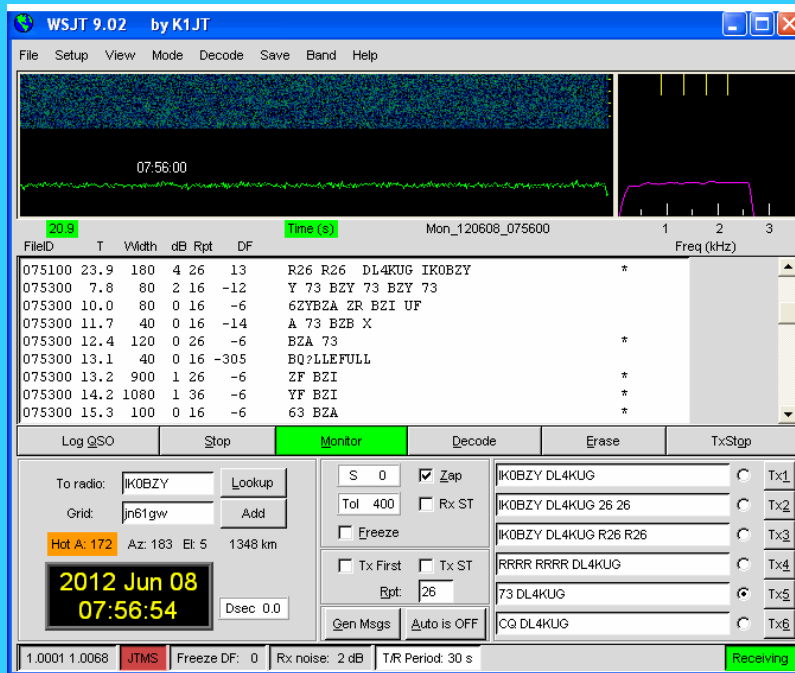
SpecJT by K1JT

Options Time: 25.6 s Freq: 2411 Hz BW < | > Speed: 1 2 3 4 5 H1 H2

07:51:00

07:50:00

07:51:39 1 dB



The 144/432 MHz chat (by ON4KST) Web 2.0 version - Windows Internet Explorer

http://www.on4kst.org/chat/index.php

Suche - Mehr >> Anmelden

Die 144/432 MHz chat (by ON4KST) Web 2.0 version

MENU

Send DL4KUG

UTC	CALL/NAME	144/432 MHz MESSAGE	High lat.
07:56:56	DK5OX Boris	(IK0BZY) gl	
07:56:44	IK0BZY Enrico AAO	(DK5OX) good to fully test jtms with tiny pings....! go 1st 347 ...running	
07:56:27	DL6YBF helmut	(UY1HY) gm valery ur qrg? (DL4KUG) The /c, 73s glq IK0BZY	
07:56:08	SERVER message	Enrico tnx ufz qso, ur 73s period also full burst! command is invalid or incomplete. Try /HELP	
07:55:59	R7LP Oleg	(UY1HY) OK	
07:55:52	DK5OX Boris	(IK0BZY) freq 347 ? refl vy weak at moment	
07:55:20	IK0BZY Enrico AAO	(DK5OX) priwet Boris....try?	
07:55:18	UY1HY Valery	(R7LP) GM Oleg, antenna na 380, ne mogu povemut' na tebya	
07:54:48	OH6UW Jukka	(GW8JLY) Here too	
07:54:45	IK0BZY Enrico AAO	(DL4KUG) WOW ...full period burst	
07:54:12	IK0BZY Enrico AAO	074730 16.0 60 1 16 -9 26 IK0BZY DL	
07:54:09	GW8JLY Lyndon 350w 9el	(OH6UW) rr 355 it is	
07:53:34	OH6UW Jukka	(GW8JLY) Maybe QSY 355?	
07:53:16	IK0BZY Enrico AAO	(DL4KUG) tnx fast QSOgot 3 tiny pings 100% decoded nd 2 bursts	
07:53:11	DK5OX Boris	(IK0BZY) gm only 2p here 075200 24.2 140 3 26 -60 BZY 73	
07:53:02	UY1HY Valery	DL8SCQ 074630 27.0 100 2 16	
07:52:56	GW8JLY Lyndon 350w 9el	(OH6UW) Tomorrow may be better (peak of a small shower) but I can only be qrv until 0800gmt	
07:52:26	IK0BZY Enrico AAO	075130 19.3 300 10 26 5 S DL4KUG RRRR RRRR RL9LCKXMMUAJQ 4-8P?S8S14KS	
07:52:20	DL8SCQ Ebi	(UY1HY) calling u on 381	
07:51:50	DL6YBF helmut	074900 5.9 200 14 27 -196 O3 CQ UY1HY	
07:51:47	UY1HY Valery	DL8SCQ Ebi GM, short pings only	
07:51:43	OH6UW Jukka	(GW8JLY) Did the same here The chat is linked to many CLX/WEB DX clusters.	
07:51:26	SERVER message	Take a look into the MENU to discover many functionalities	

UTC	SPOTTER	GRG	DX	INFO
0755	ik0bzy	144347.0	DL4KUG	JTMS R26 JN61<MS>JO64 Fast
0735	dl8scq	144370.0	UT2UB	JN48<MS>KO50 best 7sec.
0722	dm2ecm	144370.0	UT2UB	JO62GJ<MS>KO50GL trx nice
0719	gw8jly	144365.0	I2SYA	IO81JM<MS>JN45NT 5 seconds
0615	a61c	144300.0	A61C	cq ssb
0613	gw8jly	144365.0	SPSTWA	IO81JM<MS>JO91GT New #
0548	hb3yat	144370.0	YT3I	JN47JM<MS>KN05HP trx qso
0529	pa4eme	144370.0	EV1KP	JO20WX<MS>KO33TW
0508	dl2lah	144117.0	F9HS	JO44QS<EME>JN23AT Best -2
0507	hb3yat	144370.0	YU1EV	JN47JM<MS>KN04 trx qso
0458	oe3fvy	144369.6	VWA3LBI	JN78VE<EME>FN20JI -16 best
0455	1eyb	144244.0	F1YJ	JN23<=>JN17 523 Km
0437	va3ele	144200.0	VMM8I	FN03<TR>EN80 trx peak 57
0403	va3ele	144200.0	K8TQK	FN03<TR>EM89 trx peak 58
0402	va3ele	144200.0	N8DJB	FN03<TR>EN81 trx, peak 59
0347	tz3bd/2	144300.0	LZ2GG	Test 144.432 or 1296 mHz.
0347	tz3bd	144300.0	LZ2GG	Test 144.432 or 1296 mHz. LZ
0200	pt9ir	144200.0	PUSSVE	No prop. TNX 73
0112	pu5sve	144200.0	PT9IR	qrv
0108	pt9ir	144200.0	PUSSVE	CQ you now GG29 > GG35.
0108	wb0yww	144220.0	N8JBW	EN22UK<TR>EN61 5x5
0050	pu4mos	144200.0	PU4MOS	GRV - USB
0004	py2du	144200.0	PY2NO	CQ CQ DX
2349	py1xp	144220.0	PY1XP	TESTE CD DX PSK31
2330	pt7cq	144220.0	PT7CQ	GRV4DX
2321	py1xp	144220.0	PY1XP	CQ DX SSB GG87E
2312	pt7cq	144200.0	PT7CQ	GRV4DX

ES3RF	KO29IF	Gennadi
F0DIX	IN93SV	Claude2
F1AFJ-1	JN06HT	John_nc
F4EGA	JO10GK	Patrick
F4TXU	JN23CX	Patrick
(F5ICN)	JN03BF	Alex GR
F6BEG	JN25JS	Gérard
F6FX	JN07CX	Bertrand
G3WZT	IO90UX	John IO9
G4DCV	IO91OF	Paul
G4DEZ	JO03AE	Bryn
G4EAT	JO01HR	John
G4FUF	JO01GN	Keith
(G4KUX)	IO94BP	Nick
G4KWG	IO92AQ	Andy 2x
G4RKG	IO91ON	Dave
G4SWX	JO02RF	John
G8GXP	IO93FQ	David 6+
GM6VXB	IO97AQ	Martin 0
GW8JLY	IO81JM	Lyndon
HA1VQ	JN87GJ	Jozef
HA8NQ	JN88WA	Sanyi
HB3YAT	JN47JM	Manfred
HB9SV	JN36FN	Ben
I2SVA	JN45NT	Alessan
(I3MEK)	JN55SJ	Mario
IK0BZY	JN61GW	Enrico A
(IK7UXW)	JN80XP	Paolo 2/
IS0SWW	JN40GR	walter
(IWOFFK)	JN61FS	Marco

Vielen Dank für Eure Aufmerksamkeit

und nun guten Appetit !

