

Ham Radio logging for beginners.

VE6TL – February, 2023





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Why logging?



Free logging software



Top 5 rated free packages with focus
on Logger32



Summary

Why logging?

- **Hardware control – Integration between hardware and software**
- Talk to your rig, rotator, generate CW, digital modes, etc.
- **Keep track of all QSOs and QSLs, along with details/comments**
 - Record when you receive/send a QSL, which method you used (paper, LOTW, eQSL, OQRS, etc.)
- **Bandmap for spotting DX or needed stations**
 - Instant checking of previous bands/modes for every station heard or *spotted* (access to DX clusters)
- **Manage your awards (DXCC, WAS, WAC, etc.)**
 - Keep track of which entity /mode(s) you have and which you need
 - contest logs can be imported through ADIF – Amateur Interchange Data Format)
- **Integrate with third party software (WSJT-X, L32Lookup, etc.)**

Free Logging Software

eHam.net lists numerous logging programs

- **Clublog – by G7VJR** 4.9 stars in eHam
- **Log4OM – by IW3HMH** 4.8 stars in eHam
- **Logger 32 – by K4CY** 4.7 stars in eHam
- **NIMM Logger** 4.7 stars in eHam
- **Winlog32** 4.5 stars in eHam

Each program has its own particular strength(s)

Clublog

The screenshot displays the Clublog website with a navigation bar at the top containing links for Settings, Upload, QRS, Donate, Expeditions, and Livestreams. A left sidebar lists various tools and categories like 'Your Log', 'DXCC Charts', 'Satellite Charts', 'Timelines', 'Grid Squares', 'QSL Charts', 'Zone Charts', 'Log Inspector', 'Log Matching', 'League Tables', 'Tools', 'DX Cluster', 'Log Search', 'Call Tester', 'Map Wanted', 'DXCC Analysis', 'Propagation', 'Great Circle Maps', 'LoTW Sync', 'ADIF Diff', 'QSL Archive', and 'QSL Archive'.

The main content area is titled 'Personal DXCC Charts' and includes filters for 'No Mode Filter', 'CW', 'Phone', and 'Data'. It also has checkboxes for various band counts (160, 80, 60, 40, 30, 20, 17, 15, 12, 10, 6, 4, 2, 70, 23, 13) and options for 'Current', 'Current and deleted', 'Worked', 'Confirmed', 'Verified', and 'Not Worked'. A 'Call Sign' field is set to 'VE6TL VE6CHU VE3HCN' with a 'Submit' button.

Below the filters, a summary table is shown for the call sign 'VE6TL VE6CHU VE3HCN'.

Call Sign	160	80	60	40	30	20	17	15	12	10	6	Total	Slots
VE6TL VE6CHU VE3HCN	39	127	0	191	198	316	216	269	176	205	6	324	1742

A note states: 'The following summary table is for VE6TL including linked callsigns. A summary table for VE6TL alone is not possible as this is the primary call.'

Below this, a table for 'VE6TL including linked callsigns' is shown, with a legend for 'Verified (Awarded)', 'Confirmed', 'Worked', and 'Not worked'. The table lists various entities and their corresponding status across the same band categories.

Entity	Pfx	160	80	60	40	30	20	17	15	12	10	6
AFGHANISTAN	YA											
AGALEGA & ST BRANDON ISLANDS	3B7											
ALAND ISLANDS	OH0											
ALASKA	KL7											
ALBANIA	ZA											
ALGERIA	7X											
AMERICAN SAMOA	KH8											
AMSTERDAM & ST PAUL ISLANDS	FT5Z											
ANDAMAN & NICOBAR ISLANDS	VU4											
ANDORRA	C31											
ANGOLA	O2											
ANGUILLA	VP2E											

Focus is on:

- Awards tracking
- QSLing (OQRS)
- DXpedition logs

LOG 4 OLD MAN (LOG4OM)

LOG4OM 2 v.2.12.0.3 [Profile: New config]

File Connect Contest View Utilities Settings Help

Kp: 1 (Quiet) A: 17 SFI: 76 Sunspot: 0

RX 14245.000 TX 14248.010

Azimuth 0° Elevation 0°

Statistics (F1) Info (F2) Award refs (F3) My Station (F4) Extended info (F5)

NEW ONE NEW BAND NEW MODE
NEW GRID GRID BAND GRID MODE
Country - Call 20m - Call DIGITAL - Call
QSL EQSL LOTW QSL EQSL LOTW QSL EQSL LOTW
248 160 80 60 40 30 20 17 15 12 10 6 4 V U
PH CW DIG

248 - Italy

Band	PH	CW	DIG
80m	W		
60m			
40m	C		C
30m			C
20m	C		C
17m	W		
15m	C		
12m			

Sunrise: 04:37:53 UTC Sunset: 17:46:55 UTC

Treviso

14.301
14.201
14.101

EG5WRD
IZ7DOK
UA3ALF
EA5RT

Scale 1x WKD BAND MODE

View: EQSL

Logger32

Sample Screen

Logger32 interface showing various windows and data.

Bandmap: A vertical frequency scale on the left side of the interface, ranging from 7.0 to 7.3 MHz. It displays various call signs and their corresponding frequencies, such as N9W, VE2RRE, N9W, K4W, AE5ZA, KF9V, N0TA, N3QE, K7TQ, N9W, LZ0WRTC, FG/P9HRY, YV8AD, and 524PA.

Spots: A window titled "DX Spot map shows 0 stations in 0 C..." displaying a world map with a red dot indicating a station location.

Previous QSOs: A table titled "N9W (All op.)" showing a list of previous QSOs with columns for TIME ON, CALL, NAME, FREQ, MODE, QNTY, and GRID. The table lists several QSOs with call signs like N9W, N9W, N9W, N9W, N9W, N9W, and N9W, and names like Wrtc, Scott, and Scott.

Spots: A table titled "DX Spots (All op. LoTW+QSL)" showing a list of spots with columns for DX Spot, Pfx, Freq, Comment, Time, and Origin. The table lists several spots with call signs like N0TA, K4ICA, N9W, YV8AD, TN/OK2ZI, AE5ZA, TI2JS, N3QE, and KF9VV, and names like RTTY, 60th birthday special event, usl, hell net fskh105 mode, and RTTY.

Logbook: A table titled "Log page (C:\HAMPROGRAMS\LOGGER32\DATABASE\VE6CNU.LOG2)" showing a list of log entries with columns for DATE, TIME ON, CALL, FREQ, MODE, PWR, RST S, RST R, NAME, QTH, ST, QNTY, CQZ, IOTA, OPER, QSLR, QSLs, GRID, and CONTEST. The table lists several log entries with dates like Jan 23, times like 23:07:42, 04:06:07, 04:09:37, 04:10:47, 04:16:39, 05:10:13, 05:12:22, 16:42:46, 16:51:42, 16:52:29, 16:55:55, 16:57:10, and 17:08:10, and call signs like TR8CR, LZ0WRTC, N5W, N1W, N1W, K4W, N9W, N6W, N1W, N9W, TM2WRTC, II5WRTC, and N9W.

Entry: A form titled "Operator: VE6TL" for entering a new QSO. It includes fields for Freq (7.194), Mode (SSB), Band (40m), Call (N9W), Grid (EN44av), IOTA (?), QTH (104°/284° at 1099 M), and CQZ (?).

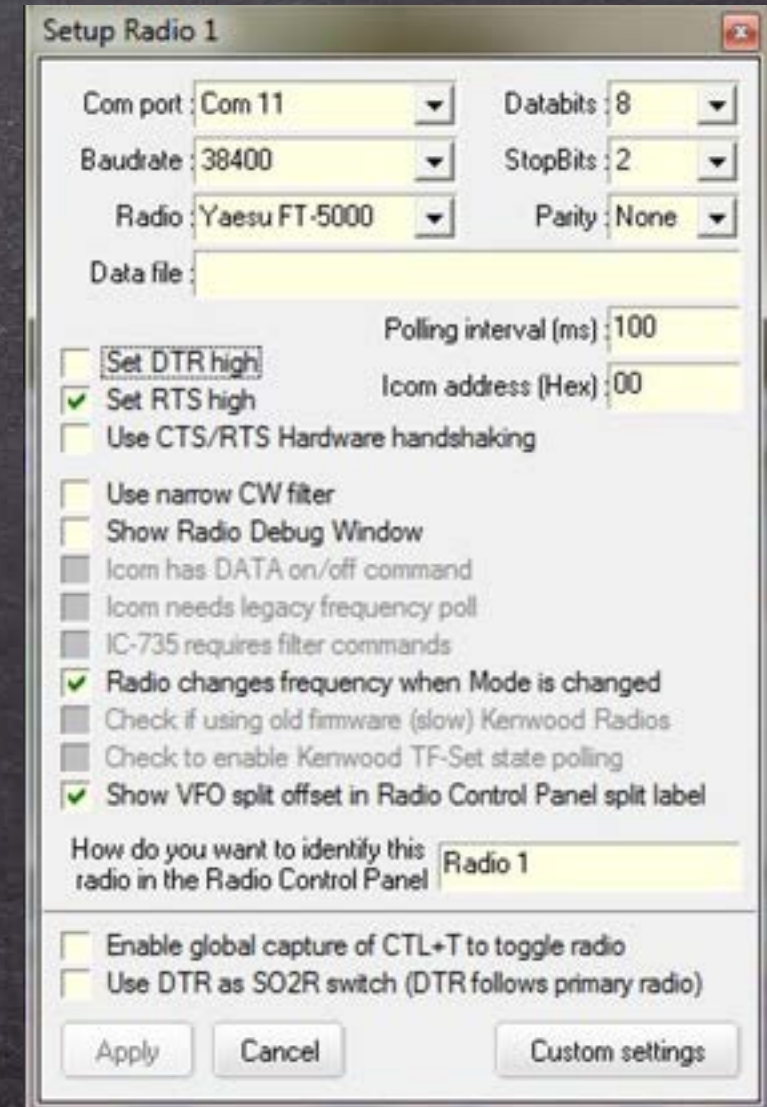
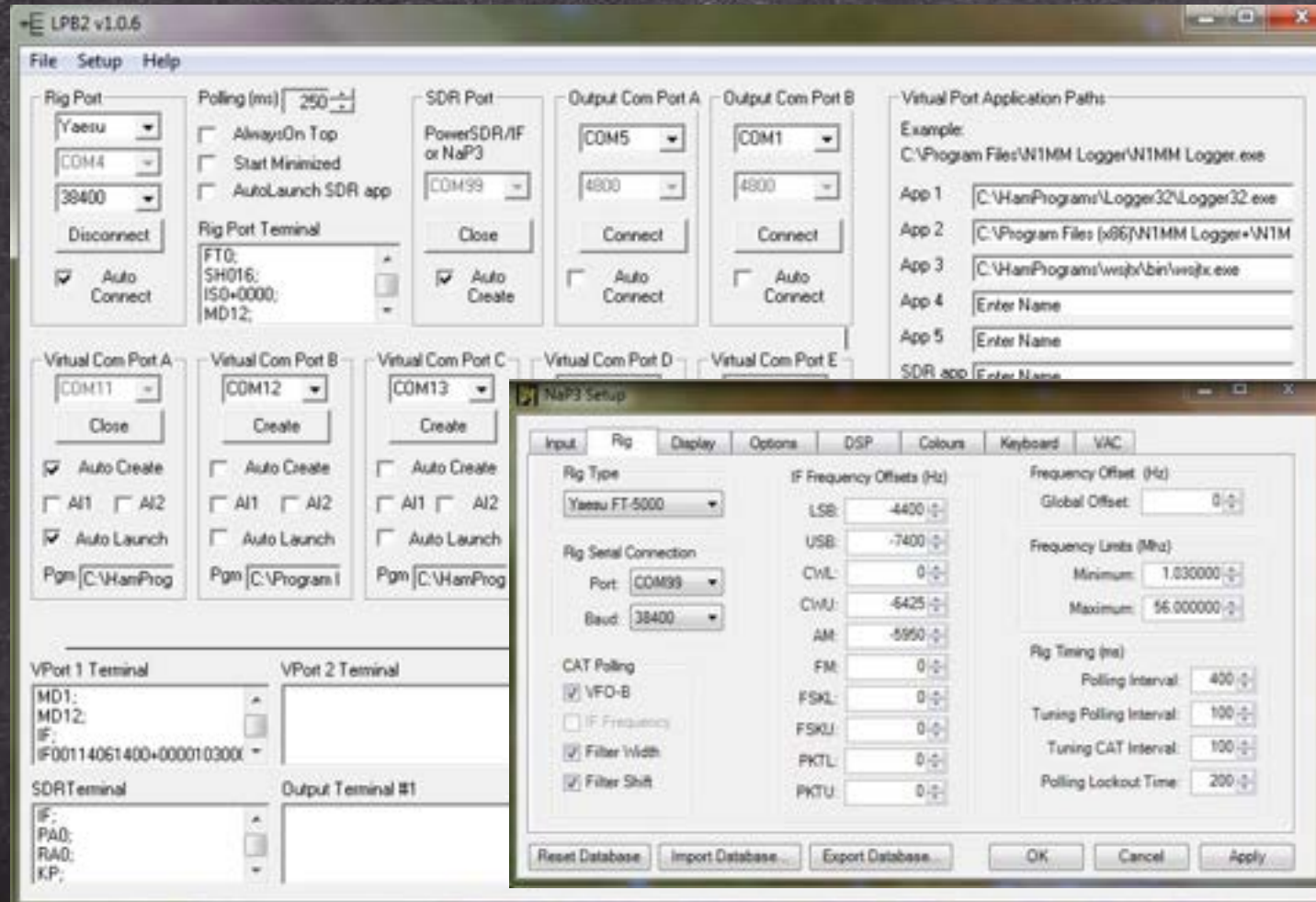
QRZ Lookup: A window titled "QRZ Subscriber Lookup" showing a list of subscribers with columns for File, Toolbox, Transfer, Name, Address, State, Zip, County, Country, Grid, IOTA, e-Mail, URL, OK by, and Qsl via. The table lists several subscribers with names like Scott Jasper, N7194 529th Street, Menominee, WI, 54751, Dunn, United States, EN44av, and URLs like ne3u2@arrl.net.

Local Host: A window titled "Local Host" showing a list of local host connections with columns for TNC, Telnet, Messages, AGWpe, and VE. The table lists several local host connections with names like DX de WSETL, 14228.0 TI2JS, 0154Z, DX de WA2BOT, 7084.9 N3QE, RTTY, 0154Z, DX de VA3EBM, 7189.0 N5W, FN03DK-EM28, SSB, 0154Z, DX de WA2BOT, 7086.6 KF9VV, RTTY, and 0155Z.

Bands/Modes Worked: A table titled "W (All op. LoTW+QSL)" showing a list of bands and modes worked with columns for ALL, D16, SSB, CW, and FT4. The table lists several bands and modes worked, such as 6m, 10m, 12m, 15m, 17m, 20m, 30m, 40m, 60m, and 160m, and modes like SSB, CW, and FT4.

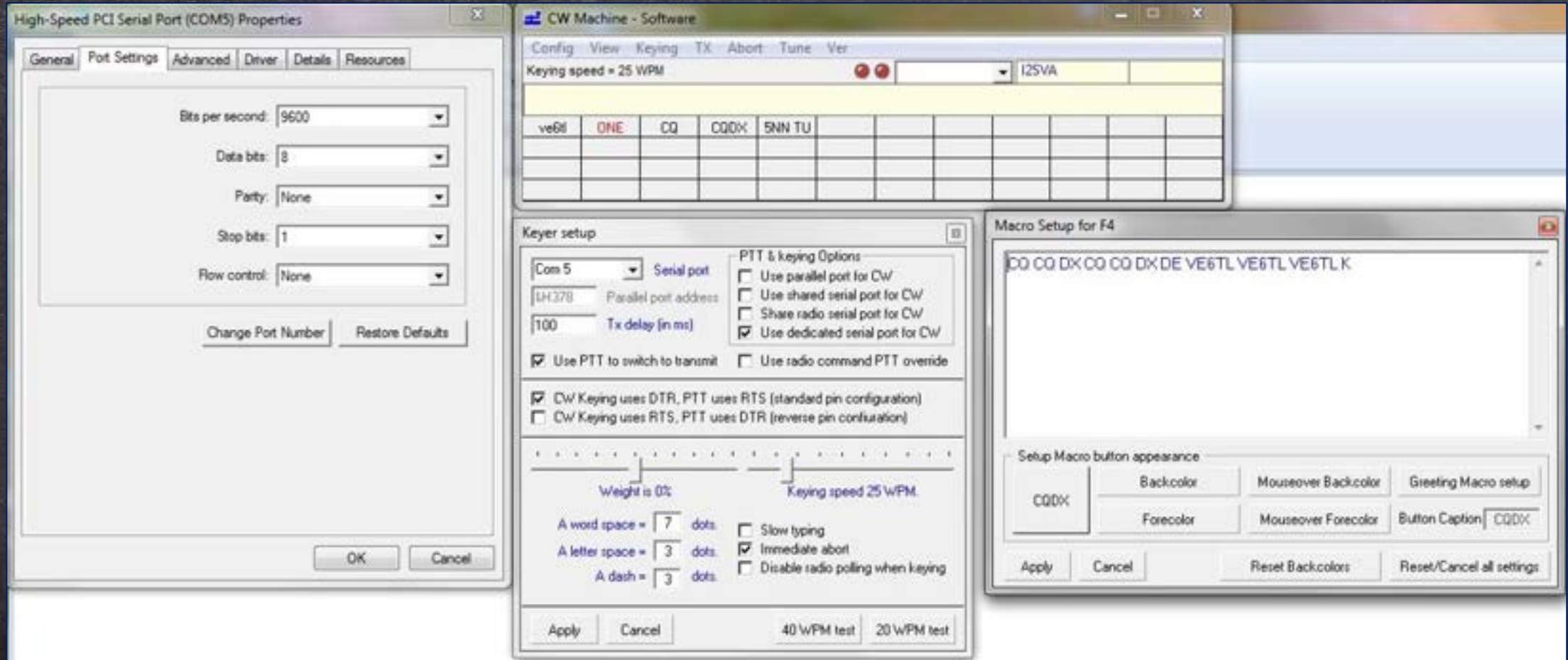
Logger32

Connect to Rig, keyer, Panadapter



Logger32

Setup Menu – CW Machine



Logger32

DXCC Chart

Pfx	Country	CQZ	LTUZ	160m	80m	60m	40m	30m	20m	17m	15m	12m	10m	6m
J2VA	Abu Ail Island (deleted 30-Mar-19)	21	39											
YA	Afghanistan	21	40						6		6			
3B6	Aqaleq & St. Brandon Islands	39	53						6					
OH0	Aland Islands	15	18				6	6	6	W	6		6	
KL	Alaska	01	01	6	6		6	6	6	6	6	6	6	6
ZA	Albania	15	28						6	6	6			
VQ9VA	Aldabra Island (deleted 28-Jun-19)	39	53											
TX	Algeria	33	37						6	W	6	6	6	
KH8	American Samoa	32	62		6		6	6	6	6	6	6	6	
FTVZ	Amsterdam & St. Paul Islands	39	68				6		6					
VU4	Andaman & Nicobar Islands	26	49						6					
C3	Andorra	14	27					6	6	6	6			
D2	Angola	36	52				6	6	6	6	6	W	6	
VP2E	Anquilla	08	11		6		6	6	6	6	6	6	6	
3CD	Annobon Island	36	52						6					
KC4VA	Antarctica	13					6	6	6	6	6	6	6	
V2	Antigua & Barbuda	08	11		6		6	6	6	6	6	6	6	
LU	Argentina	13	14		6		6	6	6	6	6	6	6	
EK	Armenia	21	29						6		6			
P4	Aruba	09	11	6	6		6	6	6	6	6	6	6	
ZD8	Ascension Island	36	66		6		6	6	6	6	6		6	
R9	Asiatic Russia	18		6	6		6	6	6	6	6	6	6	
FOVA	Austral Islands	32	63		6		6	6	6	6	6	6	6	
VK	Australia	30	59	6	6		6	6	6	6	6	6	6	
OE	Austria	15	28		6		6	6	6	6	6	6	6	
YV0	Aves Island	08	11				6	6	6		6			
4J	Azerbaijan	21	29					6	6	6	6			
CU	Azores Islands	14	36	6	6		6	6	6	6	6	6	6	
All time Countries Worked				57	147	1	207	226	323	239	281	187	212	6
All time Countries Confirmed				55	140	1	204	217	320	231	279	182	208	5
All time Countries Credit Submitted								1						
All time Countries Credit Granted				23	98		163	145	305	172	248	148	177	4
Current Countries Worked				56	146	1	206	225	319	238	279	187	211	6
Current Countries Confirmed				54	139	1	203	216	317	230	278	182	207	5
Current Countries Credit Submitted								1						
Current Countries Credit Granted				23	98		163	145	305	172	247	148	177	4
All time Countries - 402. 329 Countries worked, 328 are confirmed, 316 credit granted, and 0 submitted.														
Current Countries - 340. 325 Countries worked, 324 are confirmed, 315 credit granted, and 0 submitted.														
DXCC_MIXED	All Operators	All QSL types	QSL & LoTW cred	Complete Logbook	Show 60M									

Logger32

WAS Chart

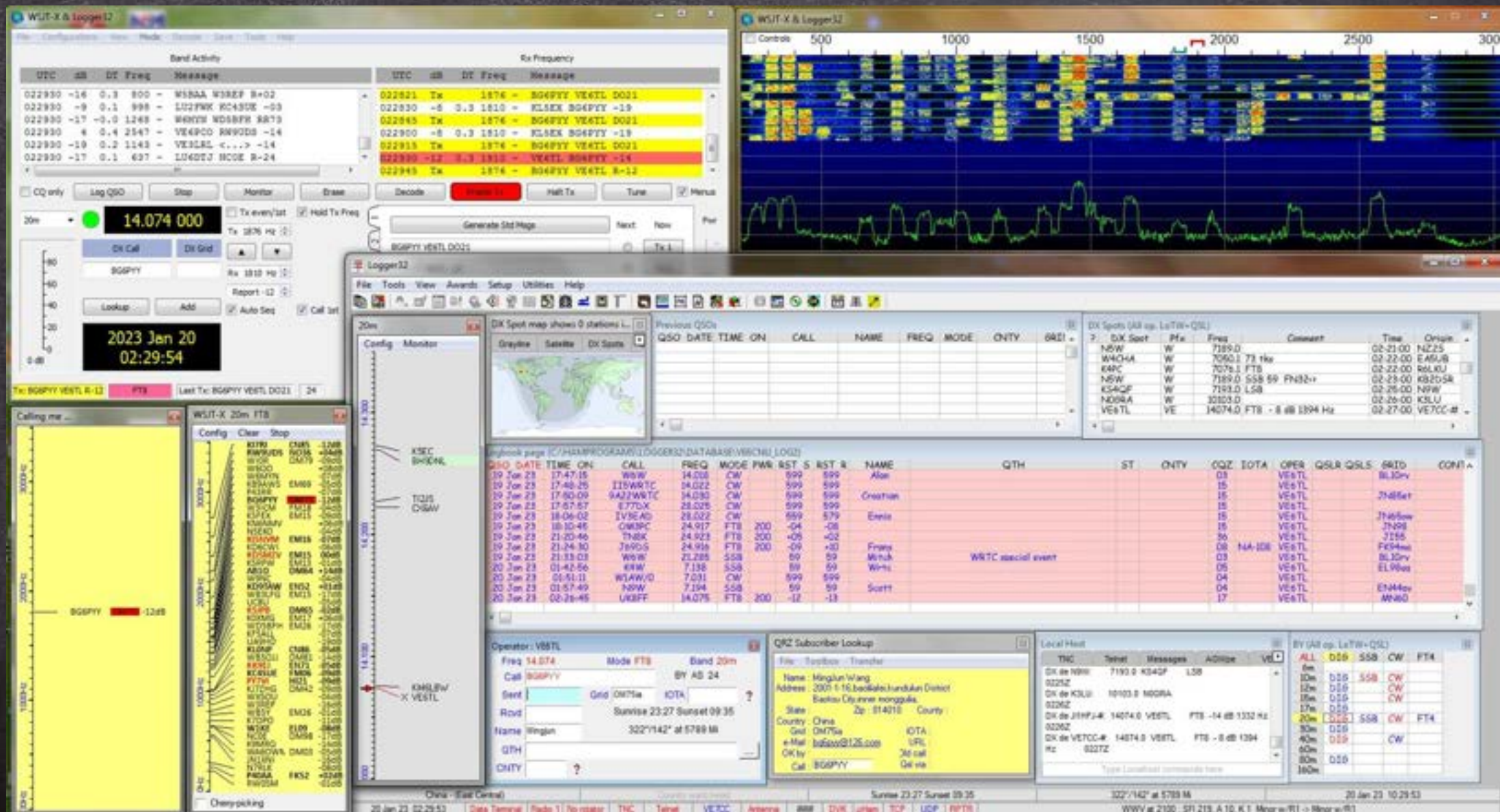
WAS - Mixed Mode, All op, All confirmations, QSL & LoTW credits.

Code	Primary Subdivisor	QZ	TU2	Pfx	160m	80m	60m	40m	30m	20m	17m	15m	12m	10m	6m
AL	Alabama	04	08	W4	C	C		C	C	C	C	C	C	C	C
AK	Alaska			KL7	C	C		C	C	C	C	C	C	C	C
AZ	Arizona	03	06	W7	C	C		C	C	C	C	C	C	C	C
AR	Arkansas	04	07	W5	C	C		C	C	C	C	C	C	C	C
CA	California	03	06	W6	C	C	W	C	C	C	C	C	C	C	C
CO	Colorado	04	07	W0	C	C		C	C	C	C	C	C	C	C
CT	Connecticut	05	08	W1	C	C		C	C	C		C	C	C	C
DE	Delaware	05	08	W3	C	C		C	C	C		C	C	C	C
FL	Florida	05	08	W4	C	C		C	C	C		C	C	C	C
GA	Georgia	05	08	W4	C	C		C	C	C		C	C	C	C
HI	Hawaii			KH6	C	C		C	C	C		C	C	C	C
ID	Idaho	03	06	W7	C	C		C	C	C		C		C	C
IL	Illinois	04	08	W9	C	C		C	C	C		C	C	C	C
IN	Indiana	04	08	W9	C	C		C	C	C		C	C	C	C
IA	Iowa	04	07	W0	C	C		C	C	C		C	C	C	C
KS	Kansas	04	07	W0	C	C	W	C	C	C		C	C	C	C
KY	Kentucky	04	08	W4	C	C		C	C	C		C	C	C	C
LA	Louisiana	04	07	W5	C	C		C	C	C		C	C	C	C
ME	Maine	05	08	W1	C	C		C	C	C		C	C	C	C
MD	Maryland	05	08	W3	C	C		C	C	C		C	C	C	C
MA	Massachusetts	05	08	W1	C	C		C	C	C		C	C	C	C
MI	Michigan	04	08	W8	C	C		C	C	C		C	C	C	C
MN	Minnesota	04	07	W0	C	C		C	C	C		C		C	C
MS	Mississippi	04	08	W5	C	C		C	C	C		C	C	C	C
MO	Missouri	04	07	W0	C	C		C	C	C		C	C	C	C
MT	Montana	04	07	W7	C	C	W	C	C	C		C		C	C
NE	Nebraska	04	07	W0	C	C		C	C	C		C		C	C
NV	Nevada	03	06	W7	C	C		C	C	C		C		C	C
NH	New Hampshire	05	08	W1	C	C		C	C	C		C		C	C
NJ	New Jersey	05	08	W2	C	C		C	C	C		C		C	C
NM	New Mexico	04	07	W5	C	C		C	C	C		C	C	C	C
NY	New York	05	08	W2	C	C		C	C	C		C	C	C	C
NC	North Carolina	05	08	W4	C	C		C	C	C		C	C	C	C
ND	North Dakota	04	07	W0	C	C		C	C	C		C	C	C	C
WAS Worked					50	50	8	50	50	50	49	50	39	50	45
WAS Confirmed					50	50	3	50	50	50	49	50	38	50	45
WAS Credit Submitted															
WAS Credit Granted															
WAS total - 50. 50 WAS worked, 50 are confirmed. 0 credit granted, and 0 submitted.															
Mixed Mode					All Operators		All QSL types		QSL & LoTW cre						



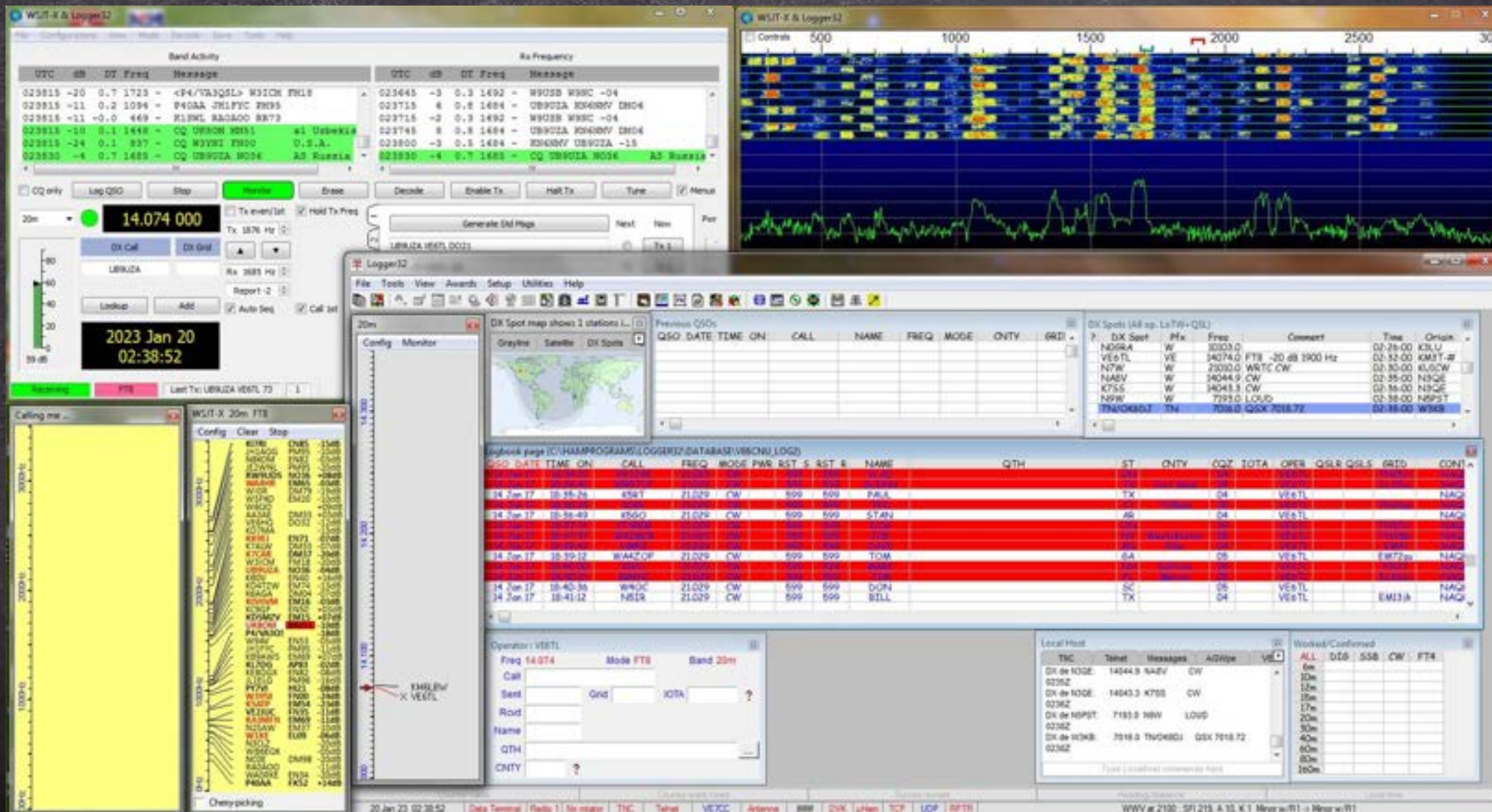
Logger32

Integrated with WSJT-X



Logger32

Logbook showing QSLs received (red)



N1MM Logger

Focus is on contesting



Winlog32 - by Colin, GOCUZ

- Focus on DXing (Both HF & VHF)
- Works on all Windows platforms (back to 95)

WINLOG32 [GOCUZ] v2.8.18 Len GM00NX IO75SP

File Window Search Options Graph Database Tools Help

2:40 AM 20:40 UTC 27/04/2005 9:40 PM Wednesday, 27 April, 2005

Uzbekistan

Continent: AS
Status: DXCC
CD Zone: 17
ITU Zone: 30 (ex UI8)

TASHKENT
QRB Km: 5384
QRB Mls: 3365
QTF: 75

Call Sign:
Date:
S Time: ET:
Band: 14
Mode: J3E
PWR: 10
Rpt Out:
Rpt In:
Remarks:
User:
QSL In:
QSL Out:
Prop:

LOAD GM00NX
Change / Select Database

SEARCH CALLSIGN SEARCH PREFIX
SEARCH PARTIAL SEARCH CHK DXCC

Log Page

Call Sign	Date	S Time	E Time	Band	Mode	Pwr	Report	Report	Remarks	User	QSL In	QSL Out
GM4SQM	24/04/2005	1915	2212	145.525	F3E	30	59	59		Scotland		
GM0FQQ	24/04/2005	2134	2212	145.525	F3E	30	59	59		Scotland		
GM4XMD	24/04/2005	2144	2144	145.525	F3E	30	59	59		Scotland		
P43E	24/04/2005	2157	2158	18.152	J3E	300	59	59		Aruba		
MM0CTU/M	24/04/2005	2205	2207	145.525	F3E	30	59	59		Scotland		
GM4PPT/M	25/04/2005	2016	2039	145.525	F3E	30	59	59		Scotland		
GM4SQM	25/04/2005	2028	2035	145.525	F3E	30	59	59		Scotland		
FG1GW	25/04/2005	2045	2046	14.194	J3E	400	59	58		Guadeloupe		
CO8LY	25/04/2005	2236	2237	18.132	J3E	400	59	59		Cuba		D
6Y5BB	25/04/2005	2248	2248	18.147	J3E	400	59	59		Jamaica		D
MM3DHG	27/04/2005	1857	1858	145.525	F3E	30	59	59		Scotland		

SEARCH [MM3DHG] FOUND 40

Call Sign	Date	S Time	E Time	Band	Mode	Pwr	Report	Report	Remarks	User	QSL In	QSL Out
MM3DHG	10/03/2004	2018	2018	145.525	F3E	25				Scotland		
MM3DHG	07/03/2004	1335	1335	145.525	F3E	25				Scotland		
MM3DHG	20/02/2004	2045	2121	145.525	F3E	25				Scotland		
MM3DHG	02/02/2004	2022	2038	145.525	F3E	25			Jim	Scotland		
MM3DHG	14/09/2002	1225	0124	145.525	F3E	25				Scotland		

Con. WINPACK

Nr.	FREQ	CALL	INFO	TIME	DATE	SPOTTER
267	1822.8	UK8AKK	579 but long QSOs es QRM	2040	27/04/2005	<5Z4DZ>
266	3589.0	UR5FGW/M	RTTY nr SERBIA ANT LW 14	2039	27/04/2005	<UT1HZM>
265	3799.0	7J4AAL	59	2040	27/04/2005	<IZ1DCD>
264	14251.0	KC0CQN	in DX-NET	2038	27/04/2005	<Y06QAF>
263	14190.0	LU3DFJ	Rod very strong	2047	27/04/2005	<OE7FMH>
262	14251.0	KP4LEU	DX-net	2038	27/04/2005	<Y06QAF>
261	21285.1	CP6XE	Wkd via IK6SNR	2041	27/04/2005	<F8DRA>
260	10108.7	ER1DA		2037	27/04/2005	<F8DRA>
259	14070.8	K3BDF	BPSK31 BOB NR DOVER, DE	2037	27/04/2005	<F8DRA>
258	18073.0	PJ2MI		2037	27/04/2005	<F8DRA>
257	21220.0	PY2XU	cq strong signal	2040	27/04/2005	<F8DRA>
256	14071.5	CP6XE	Wkd via IK6SNR	2041	27/04/2005	<F8DRA>

Rig on Com 1

Main 14.242 01
Sub 00.000 USB

File: C:\WINLOG32\Logs\GM00NX.LOG Records: 2675 1823 UK8AKK

start UK8AKK on 1822.8 Rig on Com 1 WINLOG32 [GOCUZ] ... 21:40

Summary - The Logging Program:



- is an integral part of your HF (and VHF?) station.
- keeps track of contacts, QSLs, awards, comments, etc.
- sends information to hardware (rig, rotator, etc.), as well as other applications (WSJT-X, MTTY, etc.)
- allows up/downloading of information to other sites (DX Clusters, QRZ.com, LOTW, eQSL, etc.)



