



LOG40M Setup for QO-100 QSOs

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General requirement



- LoTW requires new fields not supported by eQSL and some other online /offline logs:

- *13cm Band*
- *SAT Propagation mode*
- *QO-100 Satellite name*

- Mandatory fields – Red marked

Once they are defines, you OK with almost all other logs

Station	
Call Sign	4Z1ZV
DXCC	ISRAEL (336)
CQ Zone	20
ITU Zone	39
Worked Station	
Worked	PY2RN
DXCC	BRAZIL (108)
CQ Zone	11
ITU Zone	15
Grid	GG66LW
Date/Time	2019-10-25 12:05:54
Mode	SSB (PHONE)
Band	13CM
Frequency	2400.27500
Receive Band	3CM
Receive Frequency	10489.77500
Propagation Mode	SAT
Satellite	QO-100
QSL	2019-10-29 12:00:10
Record ID 1091133191 Received: 2019-10-26 15:21:20	



New Satellite Name Setup



The screenshot shows the Log4OM software interface. The main window displays the 'Log4OM Settings' dialog box, which is currently on the 'Satellites' tab. The 'Satellites' button is highlighted with a red box. A Notepad window titled 'satellites_user.txt' is open in the foreground, showing a list of satellite names. The first line of the list is 'QO-100', which is also highlighted with a red box. The list includes various satellite names such as AO-10, AO-13, AO-16, AO-21, AO-27, AO-3, AO-4, AO-40, AO-51, AO-6, AO-7, AO-73, AO-8, AO-85, AO-91, AO-92, ARISS, Arsene, DO-64, EO-79, EO-80, FO-12, FO-20, FO-29, and HO-68.

Log4OM [User Profile: Zvika 4Z1ZV] [Solar data info K: 1 A: 9 SFI: 70 Sunspot: 0]

File QSO Manager QSL tools Radio Utilities Settings Help

VFO A RX TX 00 00

PTT Rig RIG 1

Callsign PY2RN

Name

Sent Rcvd

Mode FM TX Power 0.000 QO-100 31/10

Log4OM Settings

Selected Config Station Info Settings 1 Settings 2 Cat & Cluster QSL and Labels External logs Database Audio config Services

Webpage

Select configuration:
Zvika 4Z1ZV [RUNNING] [ACTIVE]

New Config Clone Config

Config ID b2984840-11d3-4511-8c12-3de288d23d0f

Start Log4OM executable with "CONFIG=yourConfigId" param to run Log4OM

Enable Expert mode

Edit user files

Band List Mode List RX Band List Sat Mode

Cluster Commands Cluster

Contests Satellites

RST Dig mode RST CW mode RST Voice mode RST

satellites_user.txt - Notepad

File Edit Format View Help

QO-100
AO-10 | AMSAT-OSCAR 10
AO-13 | AMSAT-OSCAR 13
AO-16 | AMSAT-OSCAR 16
AO-21 | OSCAR 21/RS-14
AO-27 | AMRAD-OSCAR 27
AO-3 | AMSAT-OSCAR 3
AO-4 | AMSAT-OSCAR 4
AO-40 | AMSAT-OSCAR 40
AO-51 | AMSAT-OSCAR 51
AO-6 | AMSAT-OSCAR 6
AO-7 | AMSAT-OSCAR 7
AO-73 | AMSAT-OSCAR 73
AO-8 | AMSAT-OSCAR 8
AO-85 | AMSAT-OSCAR-85
AO-91 | AMSAT-OSCAR-91
AO-92 | AMSAT-OSCAR-92
ARISS | ARISS
Arsene | OSCAR 24
DO-64 | deLfi OSCAR-64
EO-79 | EURO OSCAR 79
EO-80 | EURO OSCAR 80
FO-12 | Fuji-OSCAR 12
FO-20 | Fuji-OSCAR 20
FO-29 | Fuji-OSCAR 29
HO-68 | Hope Oscar 68



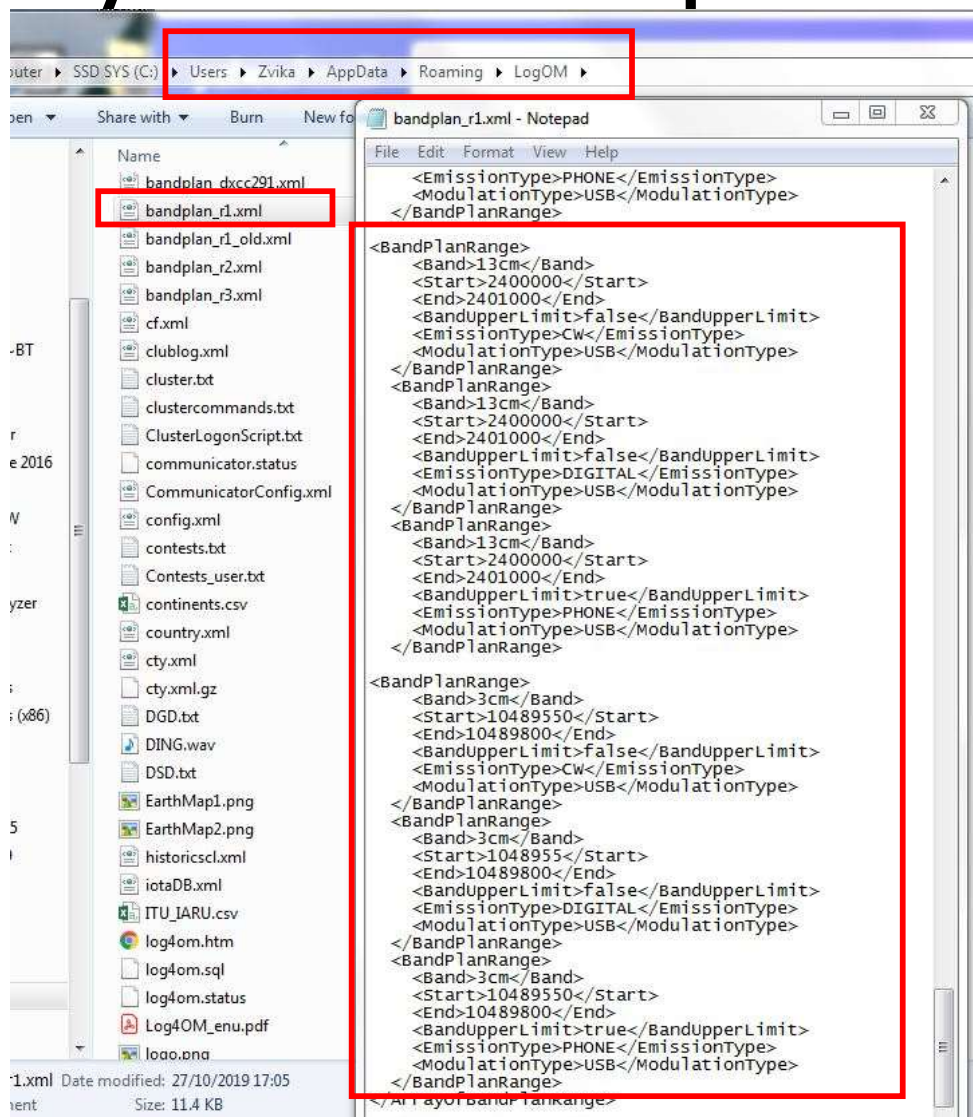
New Frequency Bands Setup



- Need to add 3cm and 13cm to *bandplan_r1* xml file
- Copy/paste modify other band or just get the updated file

[Link to updated file](#)

Keep copy of file as it will be overwritten during version update

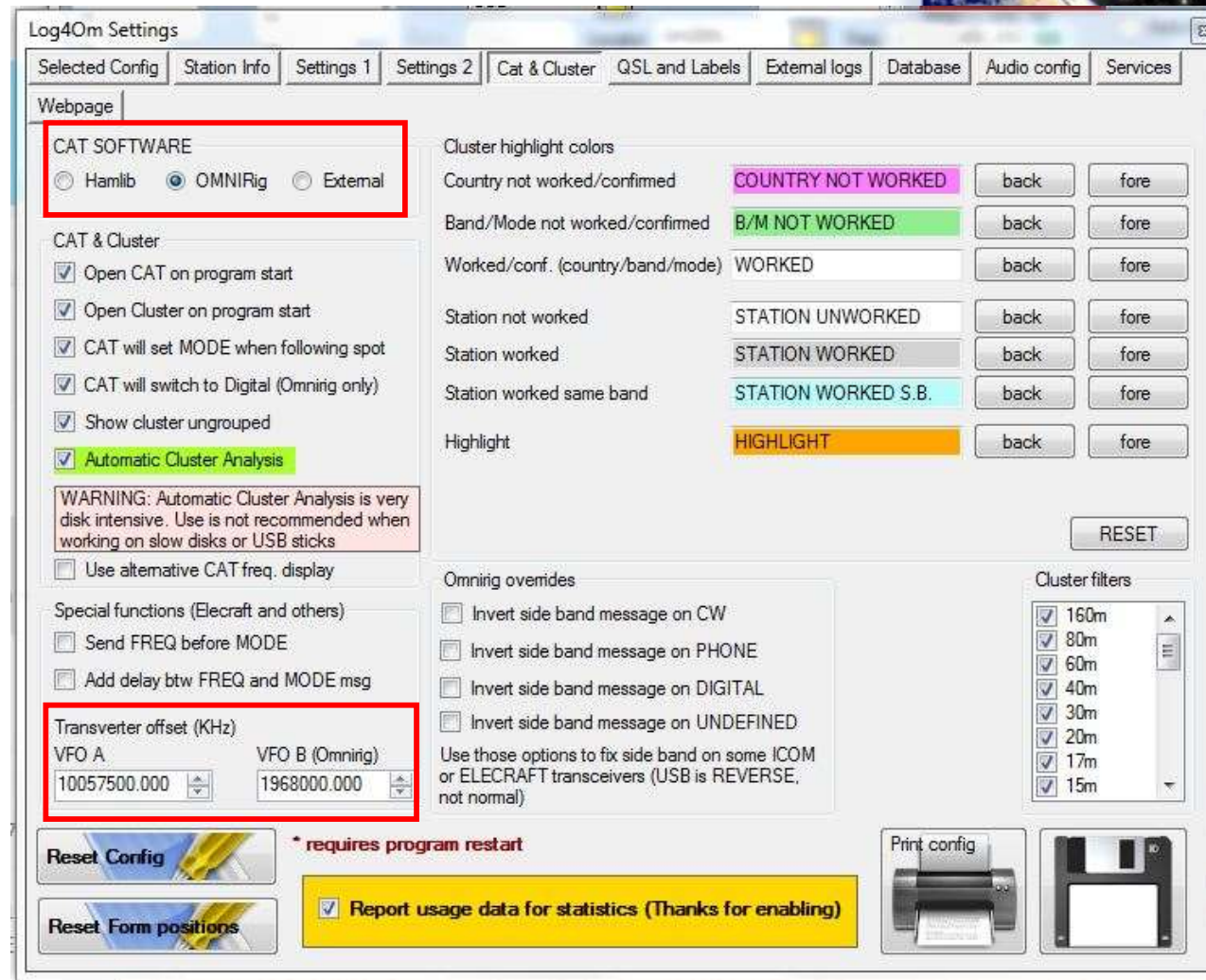


Tx/Rx Offset Setup



- Setup CAT connection using OmniRig
- Preferred Split Mode
- You may define pre-set channels in your radio

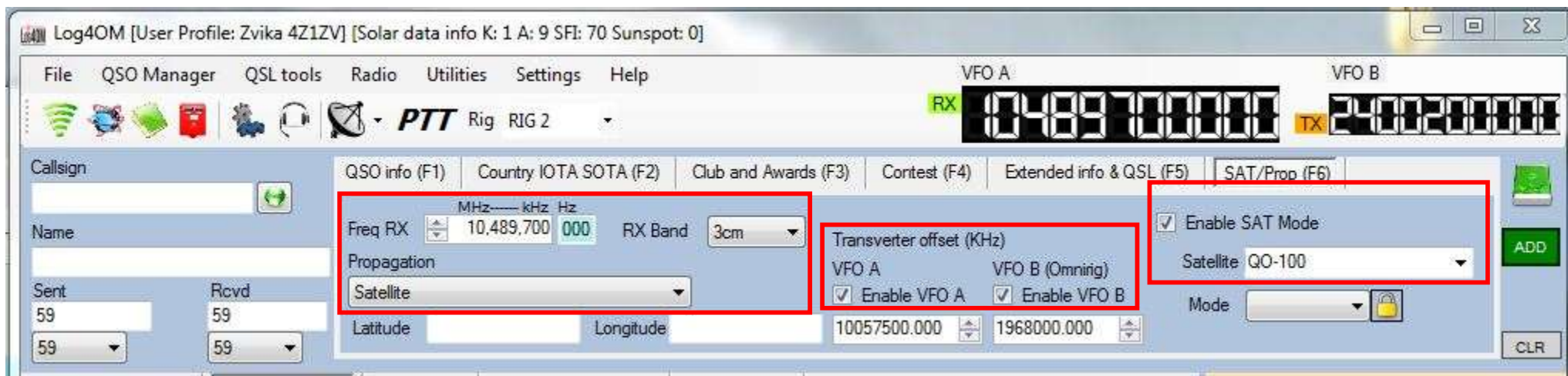
After you tune, just press A=B to display both Rx/Tx accurate frequencies



The screenshot shows the Log4Om Settings window with the following configurations:

- CAT SOFTWARE:** OMNIRig (selected)
- CAT & Cluster:**
 - Open CAT on program start:
 - Open Cluster on program start:
 - CAT will set MODE when following spot:
 - CAT will switch to Digital (Omning only):
 - Show cluster ungrouped:
 - Automatic Cluster Analysis:
- Transverter offset (KHz):**
 - VFO A: 10057500.000
 - VFO B (Omning): 1968000.000
- Cluster highlight colors:**
 - Country not worked/confirmed: COUNTRY NOT WORKED
 - Band/Mode not worked/confirmed: B/M NOT WORKED
 - Worked/conf. (country/band/mode): WORKED
 - Station not worked: STATION UNWORKED
 - Station worked: STATION WORKED
 - Station worked same band: STATION WORKED S.B.
 - Highlight: HIGHLIGHT
- Omning overrides:**
 - Invert side band message on CW:
 - Invert side band message on PHONE:
 - Invert side band message on DIGITAL:
 - Invert side band message on UNDEFINED:
- Cluster filters:**
 - 160m:
 - 80m:
 - 60m:
 - 40m:
 - 30m:
 - 20m:
 - 17m:
 - 15m:
- Buttons:** Reset Config, Reset Form positions, Print config, and a floppy disk icon.
- Footer:** Report usage data for statistics (Thanks for enabling) [checked]

SATELLITE Mode setup





Enter new QSO



Log4OM [User Profile: Zvika 4Z1ZV] [Solar data info K: 1 A: 9 SFI: 70 Sunspot: 0]

File QSO Manager QSL tools Radio Utilities Settings Help

VFO A RX 1048970000 VFO B TX 2402200000

PTT Rig RIG 2

Call sign: **WRKD SAME BAND**
PY2RN

Name: Eduardo Erlenmann

Sent: 59 Rcvd: 59

Mode: SSB TX Power: 0.000

Band: 13cm Locator: GH28XL Freq: 2,400,200 000

QSO info (F1) Country IOTA SOTA (F2) Club and Awards (F3) Contest (F4) Extended info & QSL (F5) SAT/Prop (F6)

Comment: [] Manual time [] Use Real end time

Note: []

Start: 31/10/2019 12:05:27 End: 12:05:27

ADD

00:00:20 Add CLR



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Enjoy