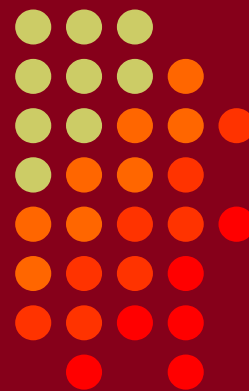


ARRL Field Day 2024 In Review – K5TYR

Wayne Hoskins, WM5Q



Keys To A Successful Field Day



- Food
- Propagation
- Participation
- Air conditioning

Keys To A Successful Field Day



- Food
- Propagation
- Participation
- Air conditioning
- Points?

Field Day 2024 Statistics



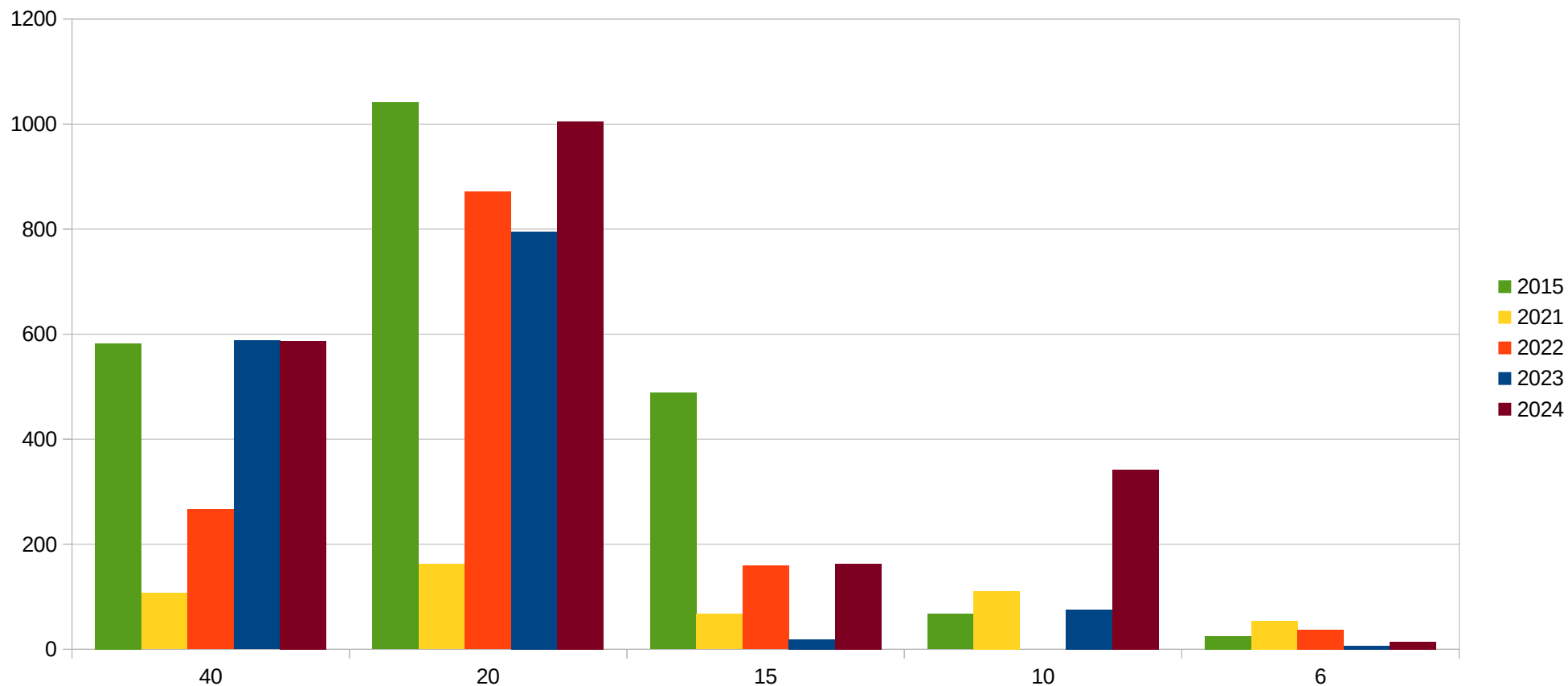
- 24 operators
- 5 radios
- 3 modes
- 24 hours
- 2111 QSOs
- 1792 stations
- 6794 points

Final Totals

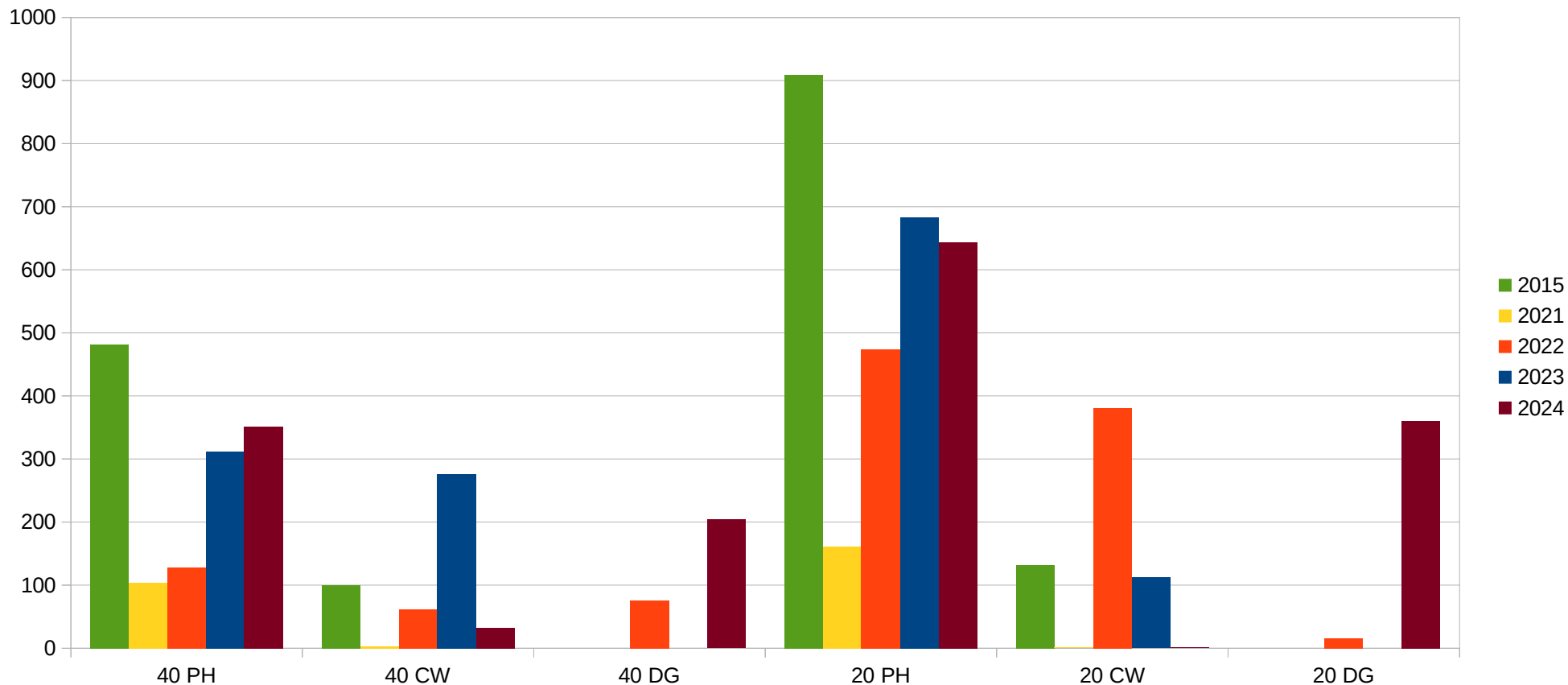


	2024	2023
Phone	1500	1094
Code	33	390
Digital	578	24
QSOs	2111	1508
Score	6794	5514

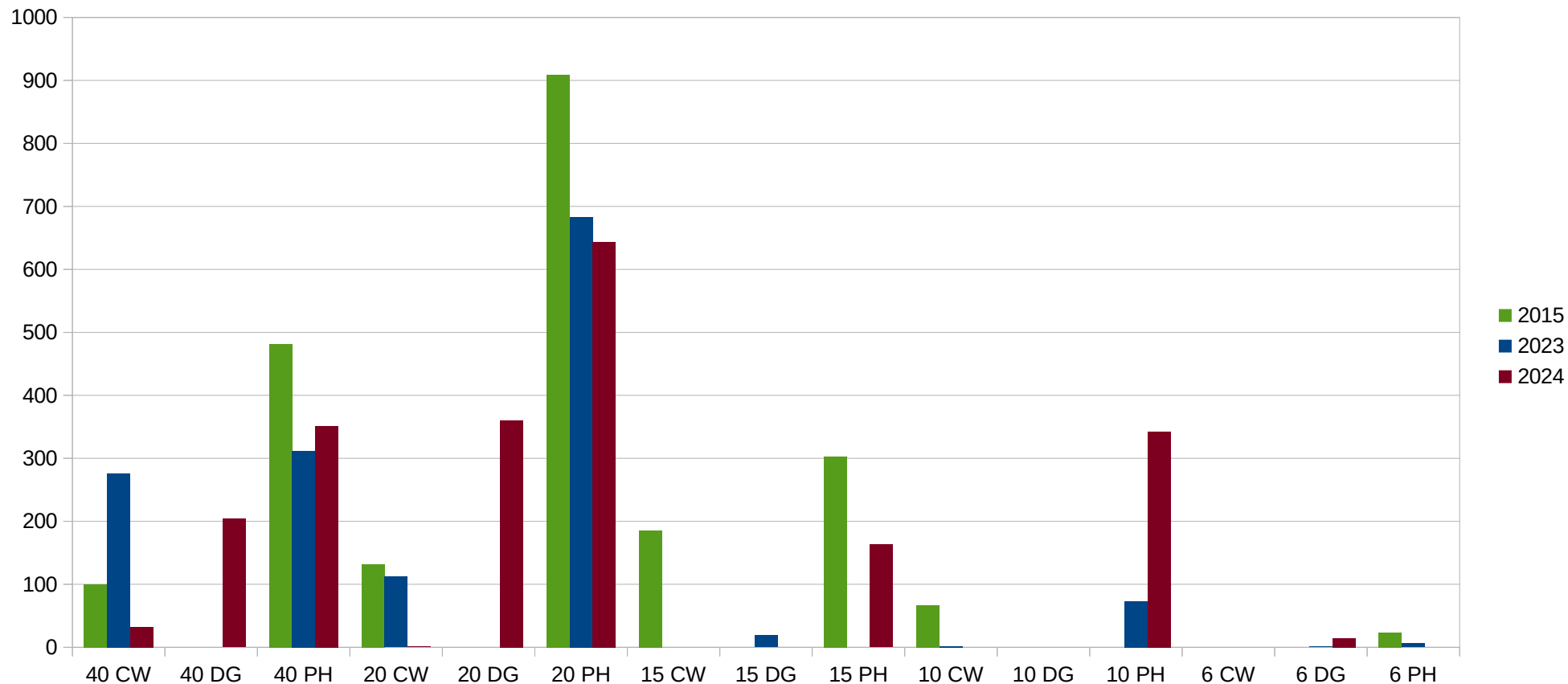
QSOs By Band



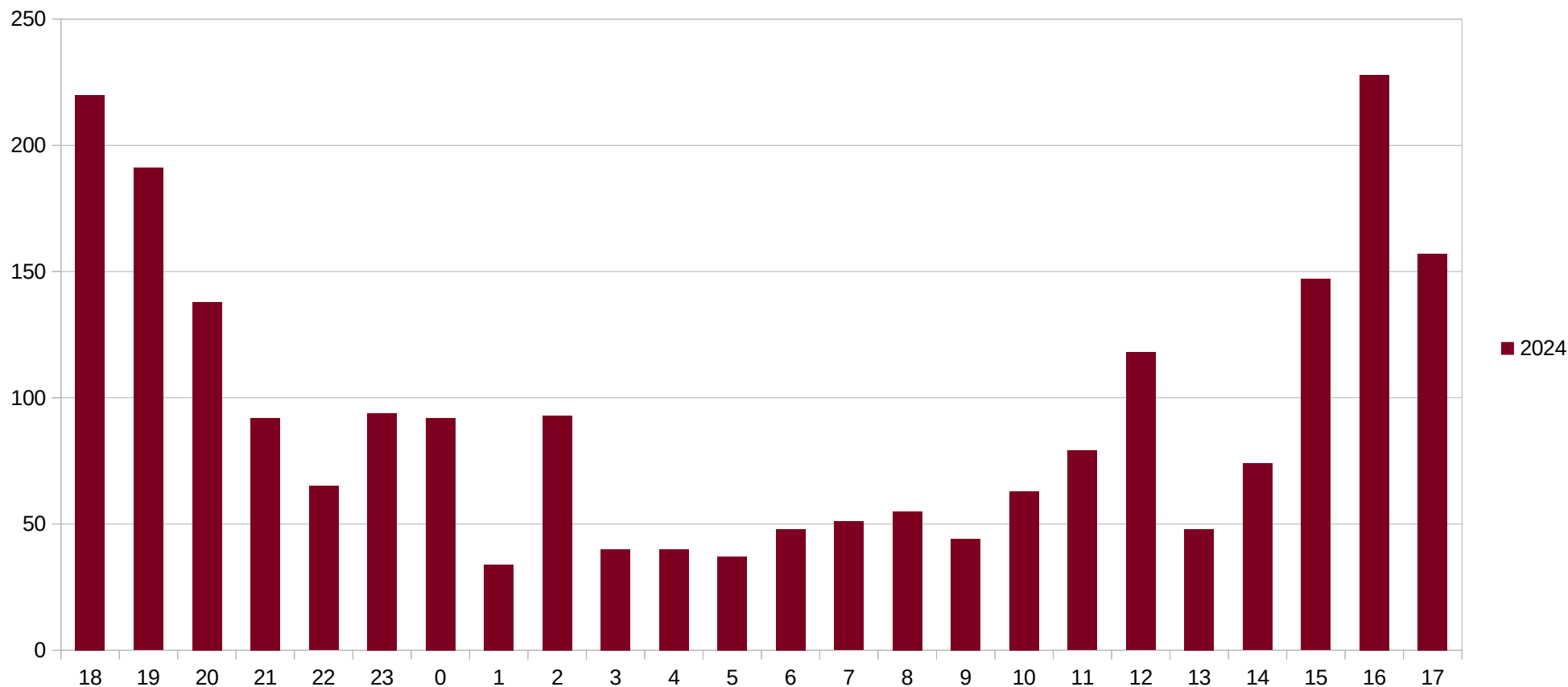
QSOs By Band Mode (40/20)



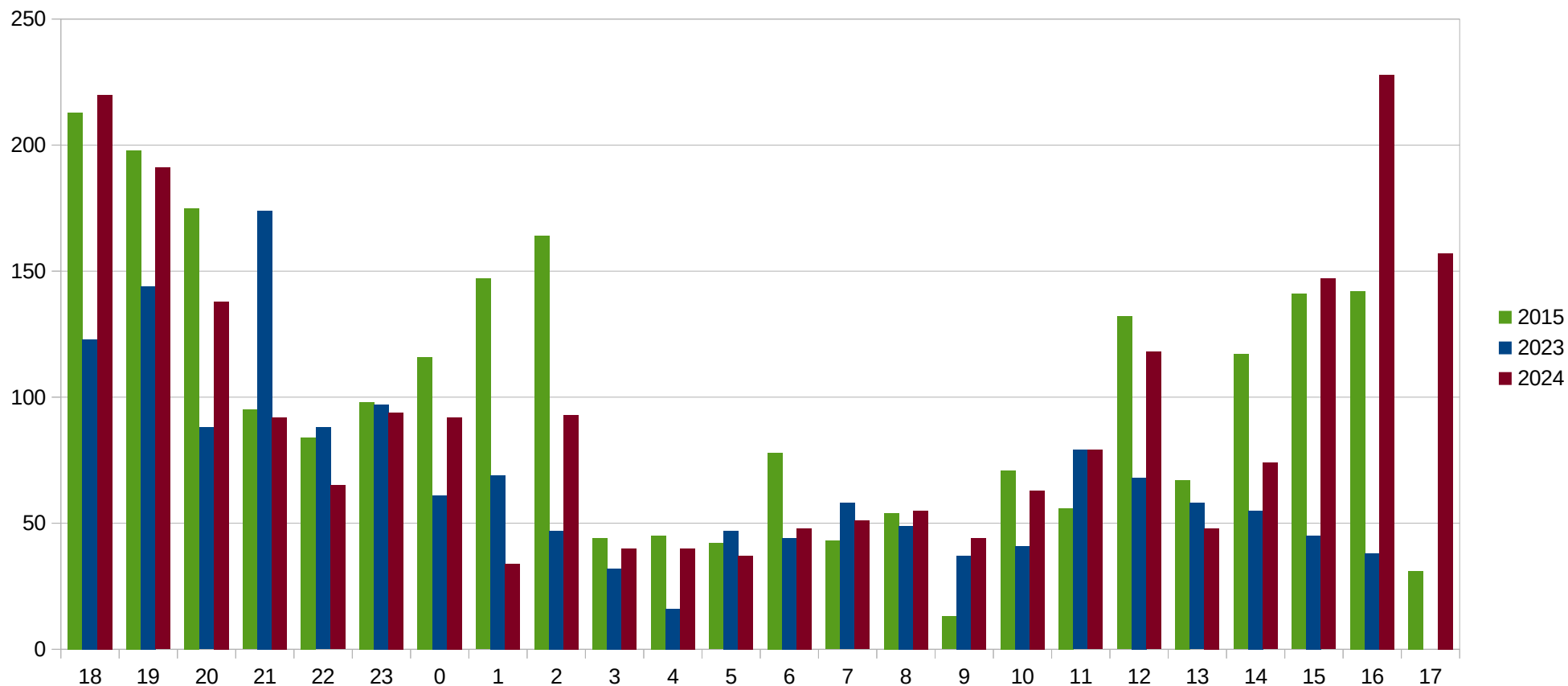
QSOs By Band Mode (all)



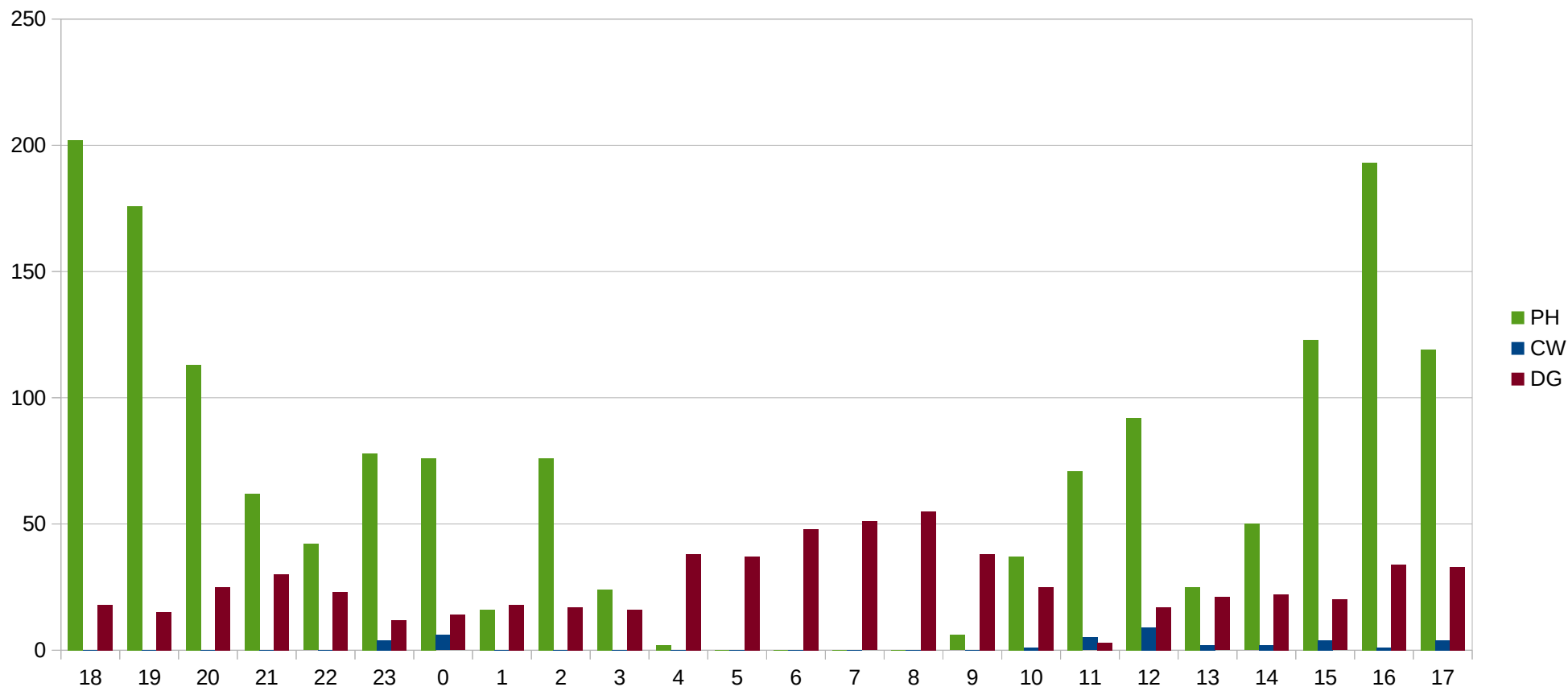
QSOs By Hour



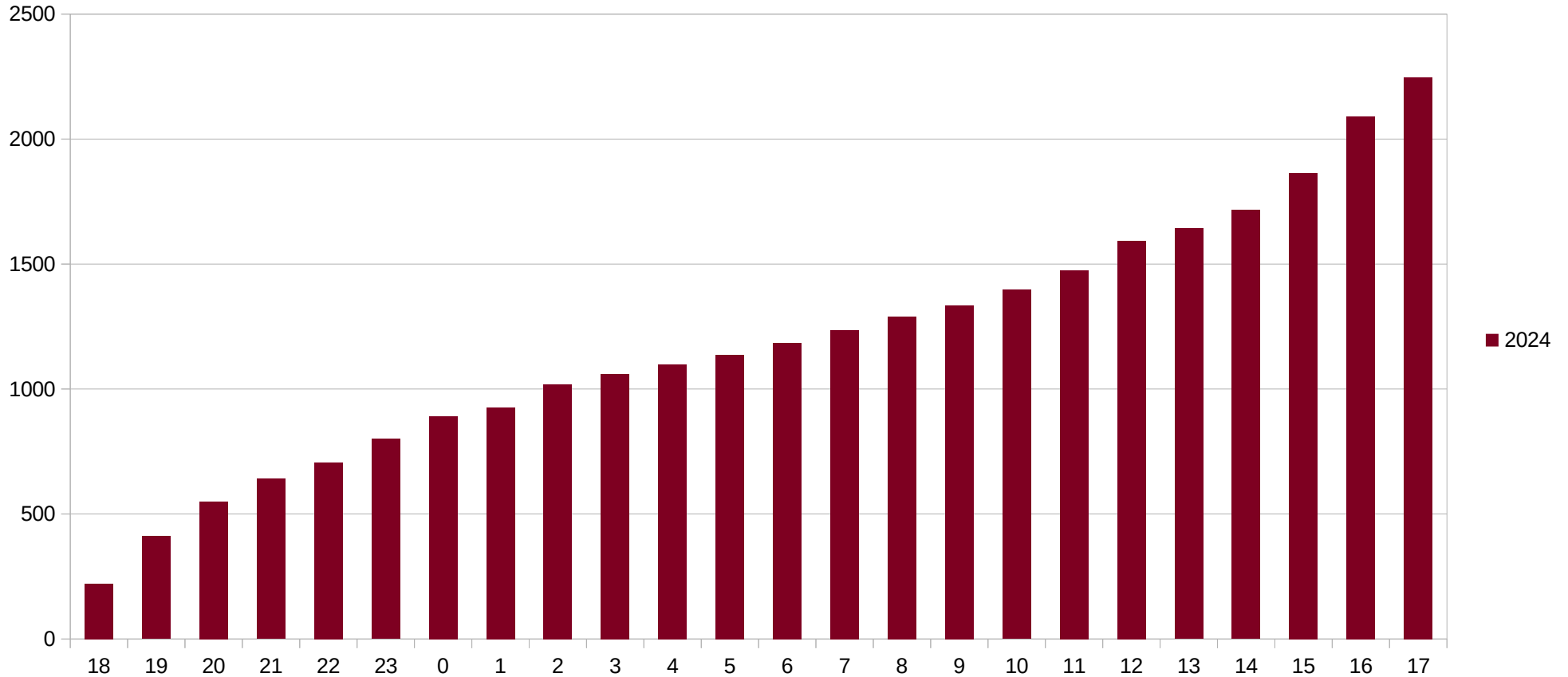
QSOs By Hour



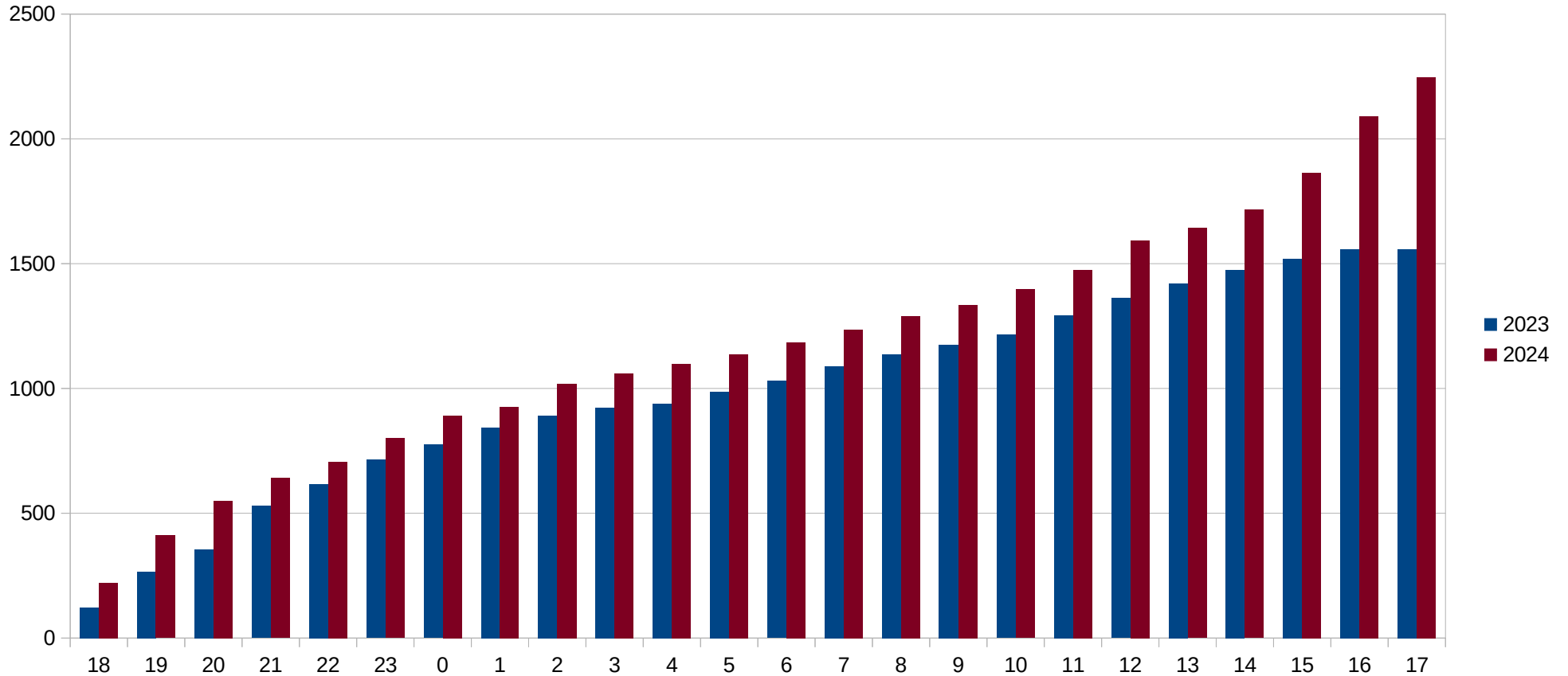
QSOs By Hour – Mode



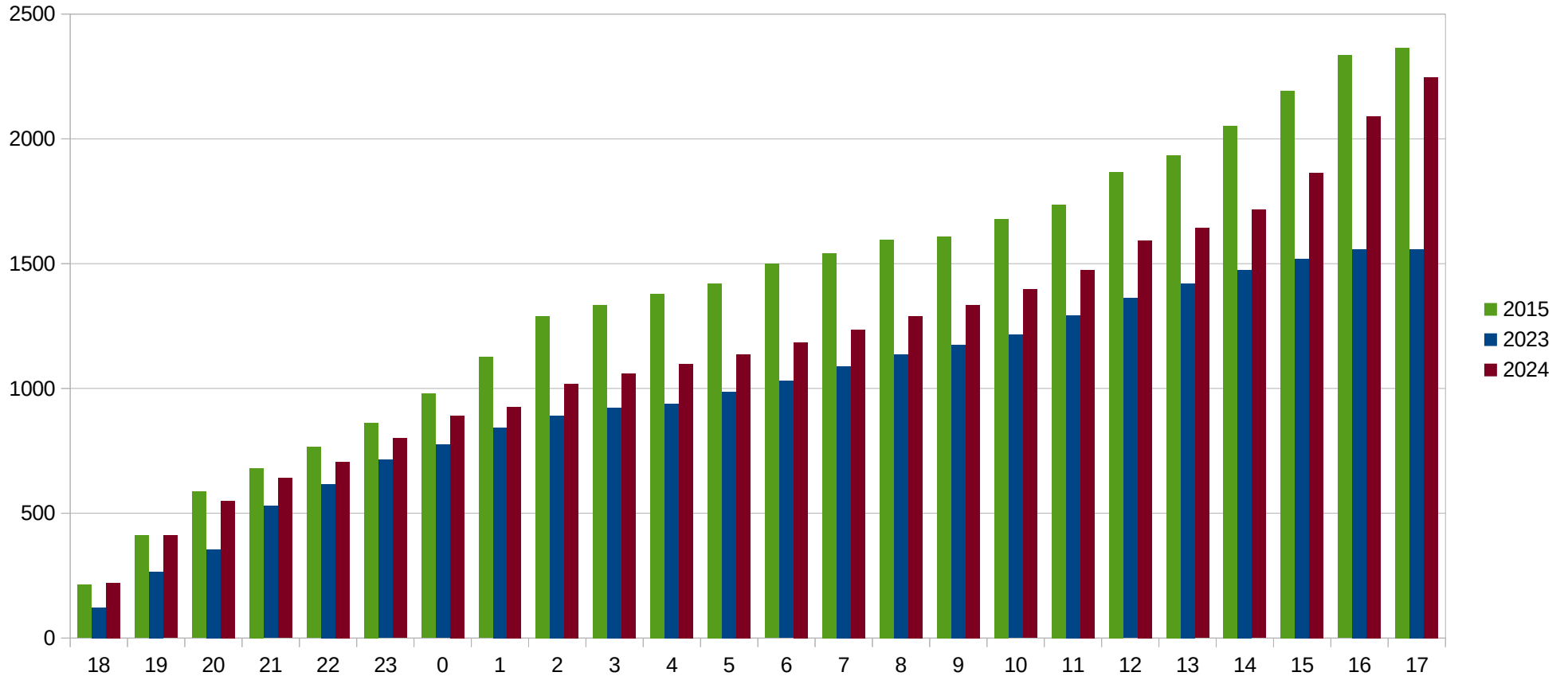
QSOs By Hour – Cumulative



QSOs By Hour – Cumulative



QSOs By Hour – Cumulative

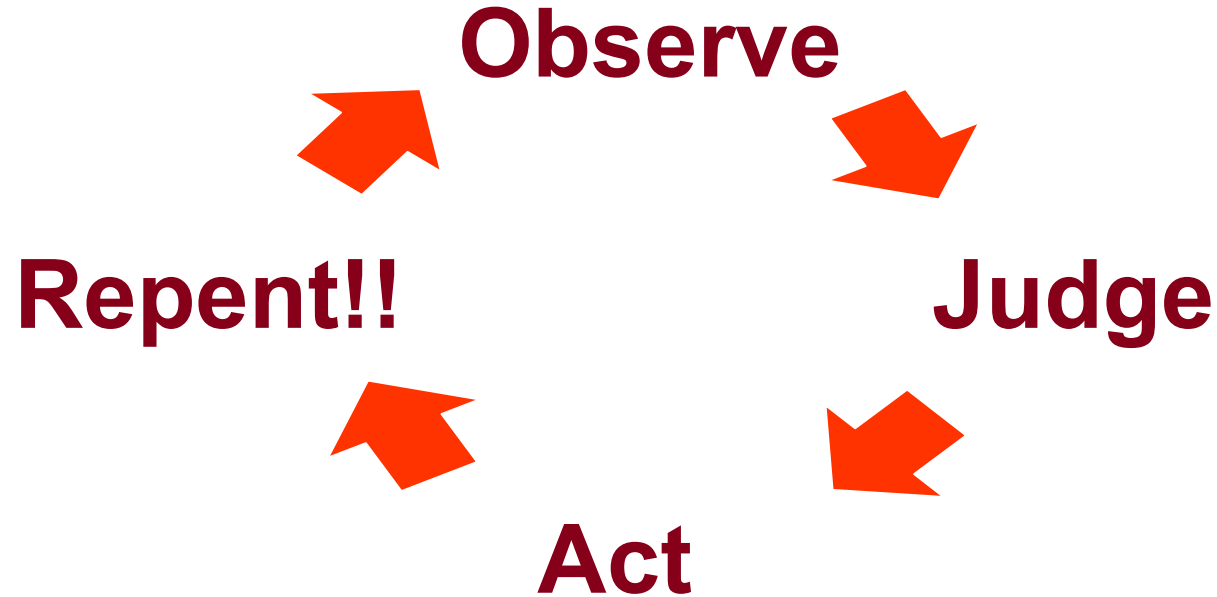


More Charts And Graphs



- From log analysis program “SH5”
- sh5.wm5q.com/club/

Cycle Of Life (according to N0AX)



What Went Very Well



- Local amateur community turnout
- Participation
- Station design
- Scouts and visitors
- QSO / point totals
- Rate (phone only)

What Went Well



- Operator scheduler
- Propagation (possibly short?)
- Setup
- FT8/4 filled idle time

What Went Not Quite So Well



- Out of band
- CW tower hydraulic failure
- CW no operating time due to FT8
- Annual GOTA issue
- Loud conversation in radio room
- RF flooding
- FT8 program contest mode behavior changes

Out Of Band issues



- 21450 USB
- 3598 LSB
- (some frequencies changed to protect the innocent)

Ideas For Improvement In 2025



- Out-of-band interlocks
- GOTA-except-in-name
- More operator time, more QSOs per operator
- Prioritize CW over digital
- Not so lax about control operators
- No phone chargers

Becoming A Better FD Operator



- Field Day is a contest with some other stuff added
- Get on the air for contests
 - The more, the better
 - Single transmitter stations require much less engineering
 - Upcoming Multi-op opportunities
- Learn all the knobs and buttons on your radio
 - “I need to X, where is it?” vs “I don’t know what to do”

Receiver Controls



- RF Gain
- AGC Recovery Speed
- Preamp (IPO / AIP)
- Attenuator
- Noise Blanker
- Preselector (VRF)
- DSP Noise Reduction
- Manual / Auto Notch
- IF Bandwidth Filters
- IF Shift / Width
- RIT / XIT (Clarifier)
- AF Gain (Volume)

Transmitter Controls



- Mic Gain
- Speech Processor
- Keyer Speed
- Transmitter Power
- SWR / Power Meter
- Auto Tuner

N1MM Logger+ Contest Logger



- Keyboard centric design
 - Everything can be done from the keyboard (nearly)
 - “There’s a hotkey for that” (Alt-C for Coffee?)
- Mechanics of computer driven operation
- More than just a typewriter
 - Coffee Machine interface not quite ready

Some Contests To Consider



- North American QSO Party (NAQP, 2x annually)
- Texas QSO Party (TQP, mid September)
 - Likely multi-multi at KC5KCT this year
- California QSO Party (CQP, early October)
- CQ WPX Contest (winter/spring)
- ARRL DX and CQ Worldwide Contests (fall, winter)

