

R33A

By ES5TV, ES2RR



Preparation phase

- 2 first places in EU3 but joined forces
- Tested setup in IARU HF 2009, CQ MIR 2010
- Same band RUN/S&P operation in WPX, Baltic Contest, CQ 160
- Analyzed Russian WRTC test stations logs, our logs, etc
 - Dual CQ is not as effective as CQ and S&P
 - In lower rate two 2xS&P works best

Setup 2 complete SO2R stations

- Triplexer by ES2NJ, switch for bypassing
- 2xFT1000MPs, fully loaded + 1 spare MP
- 5xW3NQN filters
- WX0B SIXPAK
- 2xEZMasters
- Ten-Tec tuner for 80m SSB
- Paddle for ES2RR
- Win-Test and RECALL Pro
- Switchable **priority based** simple TX lockout with two relays in PTT lines





Strategy

- Maximize RUN rate by frequent band/mode changes and beam direction changes
 - *Result: no hour below 100 QSOs*
- RUN SSB whenever possible as it gives higher rate and it is easier to QSY mults
 - *Result: 42.7% SSB vs 35.4% for the next team*
- Super-aggressive S&P all the time having priority over RUN
 - *Result: over 1000 S&P QSOs*
- QSY all mults with any chance of success, also S&P mults
 - *Result: 63 QSY-ed mults and highest mult total*

Contest

- Location 902 was great
- Everything worked 100%
- 40m antenna being parallel to EU/UA9 but worked well
- No interaction at all
- Both had 2 Red Bulls
- 24 hours in the seat
- Enormous wind but no rain from the storm



Шебанцево Shebantsevo

906

902

905

T9

904

903

Сонино Sonino

901

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Imagery Date: May 6, 2007

55°17'57.99" N 37°47'33.62" E elev. 594 ft

Statistics

	R32F	R33A	R33M
QSOs	3440	3453	3549
SSB%	26.40%	42.70%	14.60%
Mults	386	388	362
CW Mults	338	198	329
SSB Mults	48	190	33
Dupes	65	47	61
Lost QSOs	88	52	54
NILs	37	17	10
Uniques	38	17	27
Errors	18	16	12

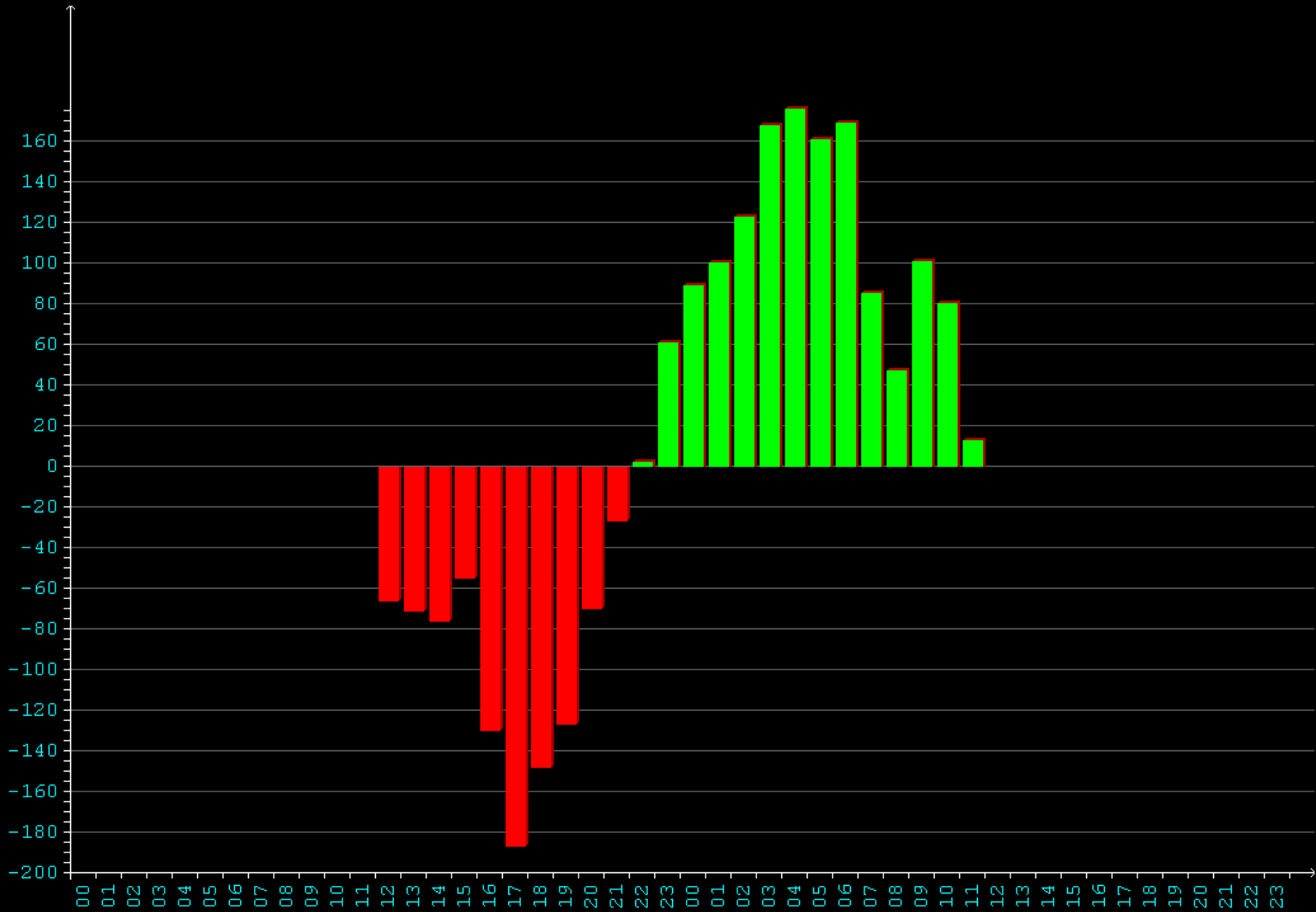
Multipliers

- 474 different mults worked by 3 top stations
- 589 worked by all WRTC stations!
- R33A worked 7 unique mults:
 - ER on 10 (ER4A, QSY from 20, CW)
 - DU on 20 (DX1ER called in, SSB)
 - CRAS on 20 (YS1YS called in, SSB)
 - HZ on 40 (7Z1SJ, S&P, SSB)
 - VR on 40 (VR2YYW, S&P, SSB)
 - EK on 80 (EK3SA, called in, SSB)
 - AC on 80 (LA2RR, called in, SSB)
- R32F had 2: YV8AD on 40 (QSY from 20, CW) and ZS4TX on 80 (QSY from 20 and 40, CW)
- R33M had 1: EK3SA called in on 10 SSB
- Higher SSB share really helped to increase mult total!

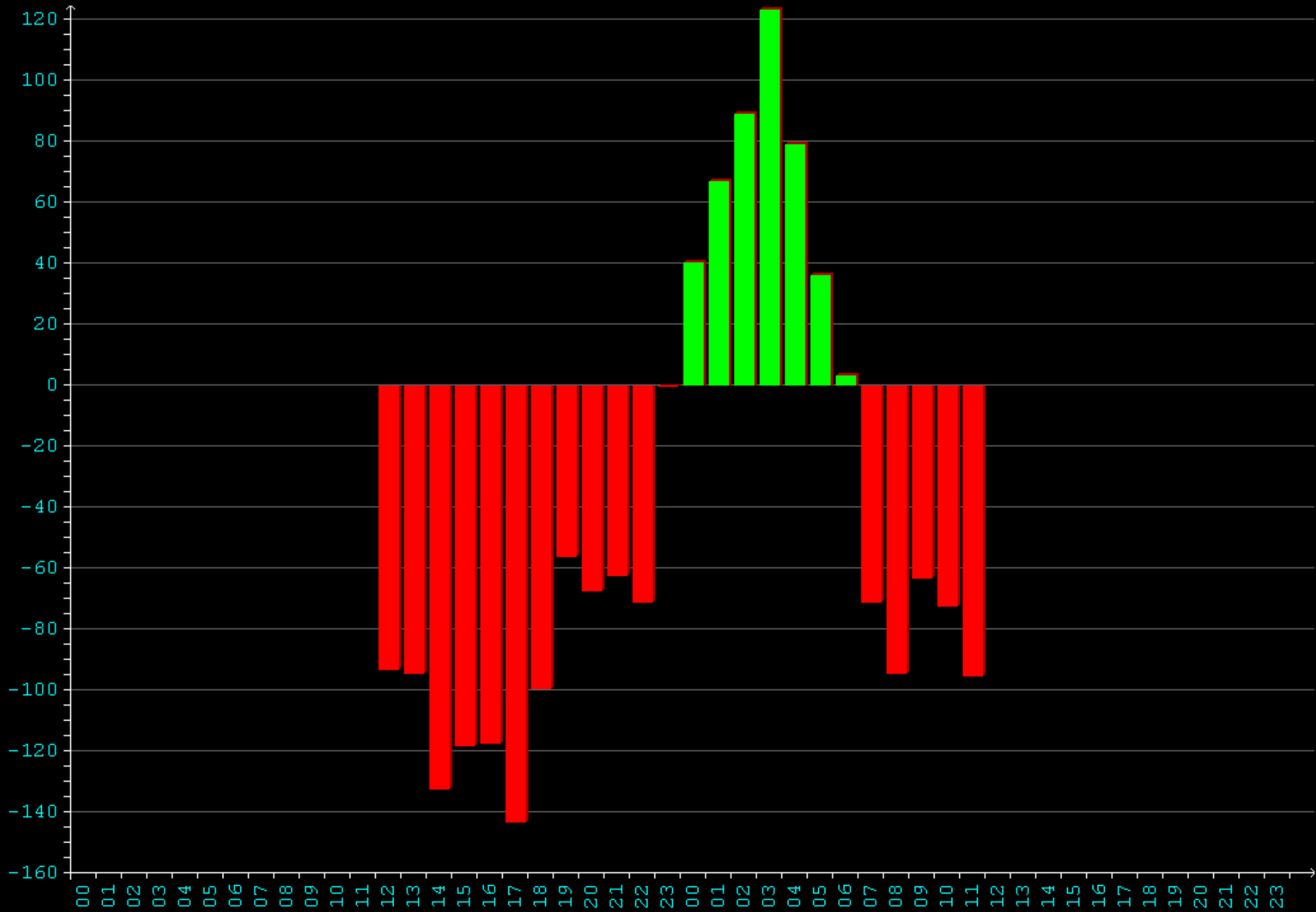
DXCC statistics

	R32F	R33A	R33M
Spots	101	86	86
UA spots	58	39	40
NA spots	7	7	11
WRTC	225	305	260
EU UA	451	436	505
AS UA	417	364	402
K	238	251	272
VE	22	23	31
DL	246	243	251
UR	219	205	221
OK	149	132	162
SP	175	120	142
HA	104	117	126
IK	79	97	75
YU	66	75	68
JA	26	26	17

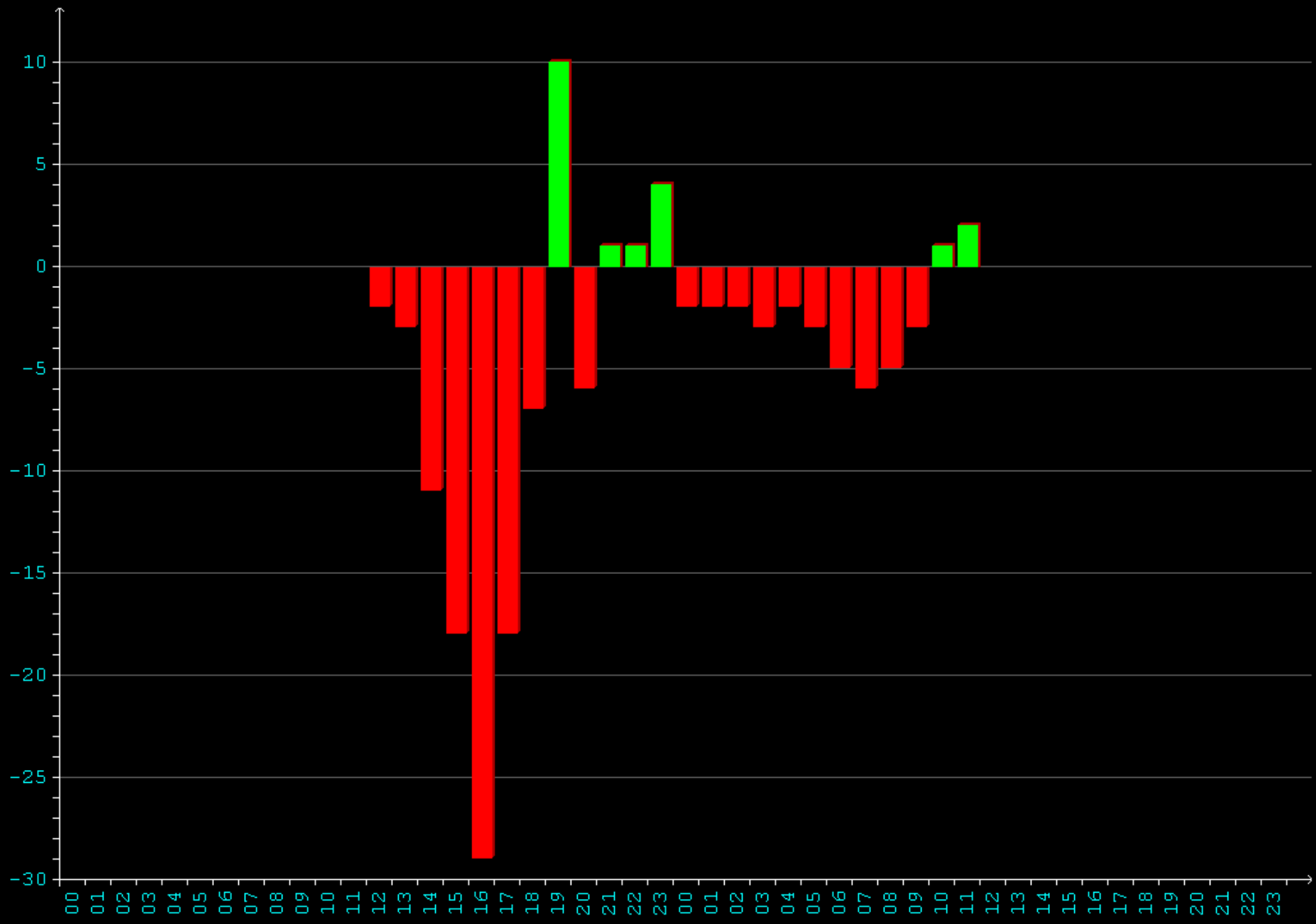
R33A - Targets tracking
R32F
QSOs (with dupes) - Overall difference



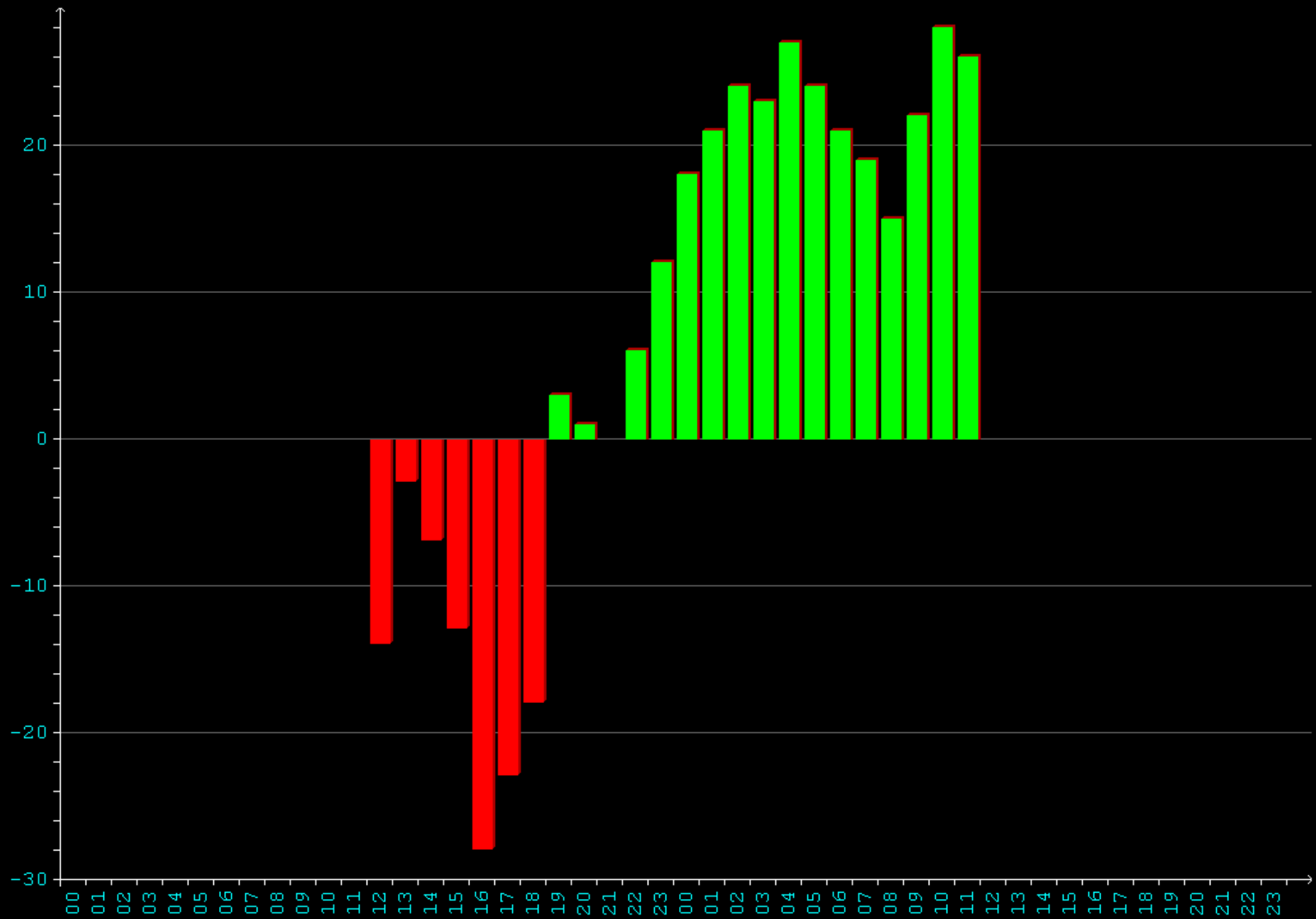
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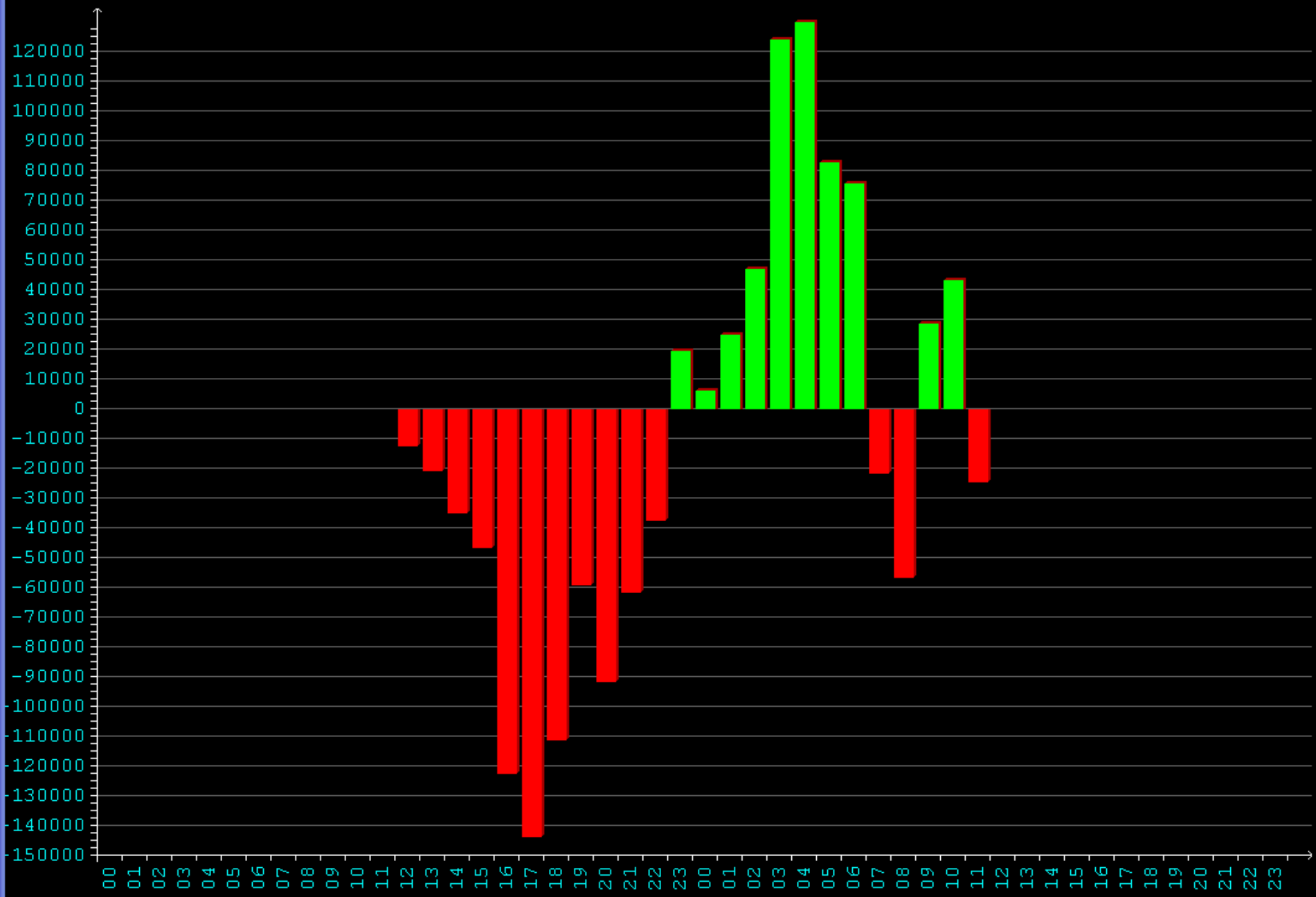
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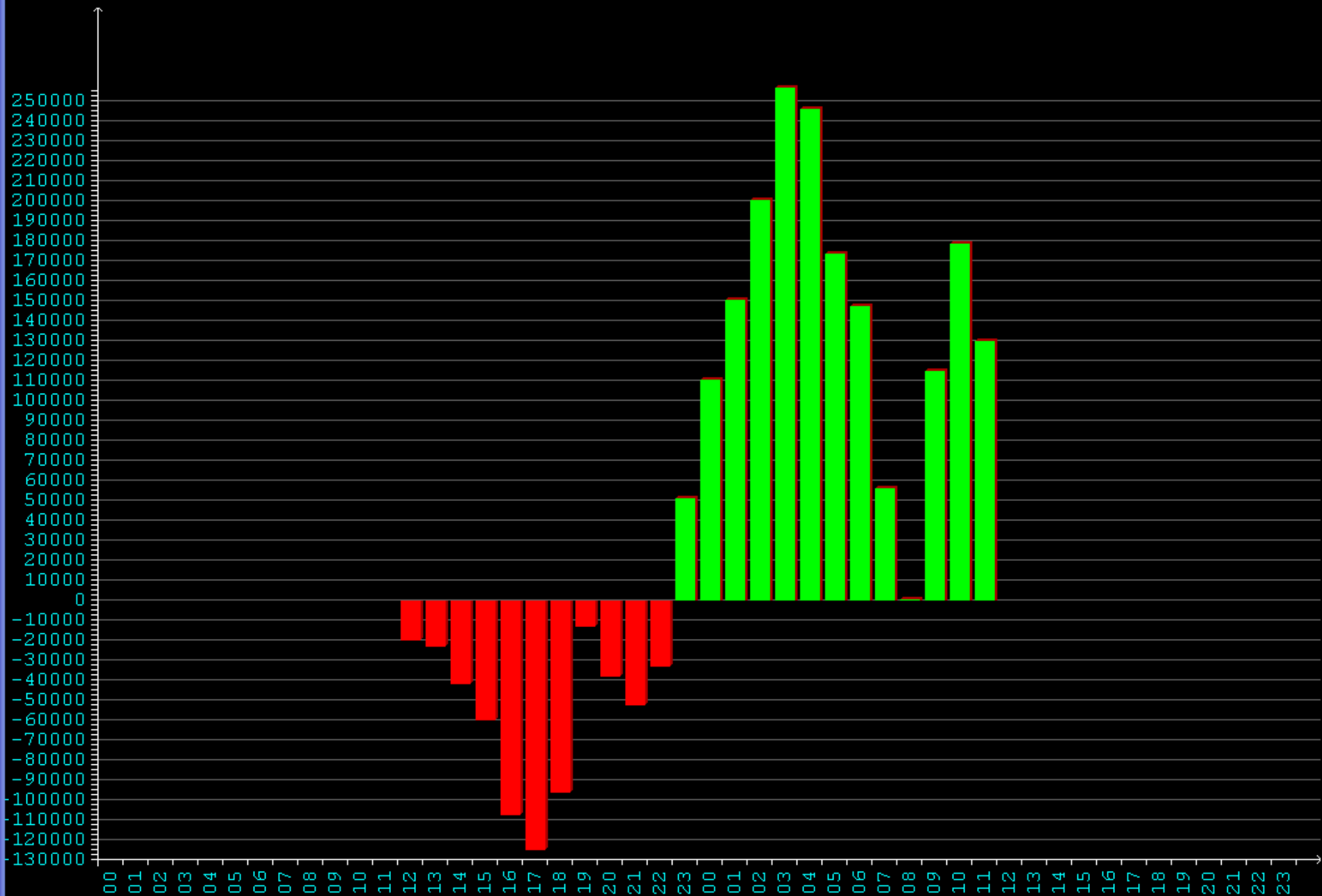
R33A - Targets tracking
R33M
Multipliers - Overall difference



R33A - Targets tracking
R32F
Points - Overall difference



R33A - Targets tracking
R33M
Points - Overall difference



R32F

Win-Test 4.5.0-dev-WRT6 http://www.win-test.com						
BAND	SSB	CW	DXC	HQ	POINTS	AVG
160	0	0	0	0	0	0.00
80	58	376	33	26	1091	2.51
40	147	553	58	32	2006	2.87
20	565	958	75	38	5111	3.36
15	108	516	52	30	1925	3.08
10	31	128	24	18	484	3.04
TOTAL	909	2531	242	144	10617	3.09
FINAL SCORE: 4 098 162						

R33A

Win-Test 4.5.0-dev-WRT6 http://www.win-test.com						
BAND	SSB	CW	DXC	HQ	POINTS	AVG
160	0	0	0	0	0	0.00
80	120	335	30	29	1106	2.43
40	286	404	53	34	1933	2.80
20	732	691	74	40	4757	3.34
15	260	398	55	27	2045	3.11
10	75	152	24	22	656	2.89
TOTAL	1473	1980	236	152	10497	3.04
FINAL SCORE: 4 072 836						

R33M

Win-Test 4.5.0-dev-WRT6 http://www.win-test.com						
BAND	SSB	CW	DXC	HQ	POINTS	AVG
160	0	0	0	0	0	0.00
80	22	467	32	23	1240	2.54
40	49	731	55	31	2215	2.84
20	350	1167	72	39	5144	3.39
15	68	524	47	26	1834	3.10
10	30	141	18	19	459	2.68
TOTAL	519	3030	224	138	10892	3.07
FINAL SCORE: 3 942 904						

WRTC-2010 Final Results

Place	Team	Callsign	Referee	QSO	Points	Confirmed			Score	Pct	-QSOs	-QSOs %	Location	Radios	Software
						HQ	CTY	Mult							
1	RW1AC/RA1AIP	R32F	OE2VEL	3440	10617	144	242	386	4 098 162	100	153	4.26	801	Yaesu FT-1000MP Yaesu FT-1000MP	Win-Test
2	ES5TV/ES2RR	R33A	LZ3FN	3453	10501	152	237	389	4 084 889	99.68	99	2.79	902	Yaesu FT-1000MP Yaesu FT-1000MP	Win-Test
3	N6MJ/KL9A	R33M	UT7QF	3549	10892	138	224	362	3 942 904	96.21	115	3.14	206	Elecraft K3 Elecraft K3	Win-Test
4	S50A/S57AW	R39D	ZL3CW	3473	10735	141	223	364	3 907 540	95.35	323	8.51	202	Yaesu FT-1000MP Yaesu FT-1000MP	Writelog
5	K5ZD/W2SC	R34P	HA6ND	3525	10716	147	216	363	3 889 908	94.92	135	3.69	905	Elecraft K3 Elecraft K3	Writelog
6	RV3BA/RA3CO	R32K	OH6EI	3284	10044	151	225	376	3 776 544	92.15	94	2.78	308	Icom IC-756PROIII Icom IC-7800	Win-Test
7	LY9A/LY6A	R32R	K6AM	3361	10388	137	211	348	3 615 024	88.21	102	2.95	504	Yaesu FT-1000MP Yaesu FT-1000MP	Win-Test
8	UA3DPX/UA4FER	R31X	YU1EW	3460	10573	131	209	340	3 594 820	87.72	137	3.81	707	Elecraft K3 Elecraft K3	TR4W
9	G4PIQ/G4BUO	R37M	UA9MA	3122	9644	140	229	369	3 558 636	86.83	112	3.46	501	Elecraft K3 Yaesu FT-1000MP	Win-Test
10	LY9Y/LY7Z	R36C	RZ9AZ	3123	9621	146	218	364	3 502 044	85.45	125	3.85	207	Kenwood TS-850S Kenwood TS-850S	Win-Test
11	VE3DZ/VE3XB	R33L	YU1RL	3403	10399	135	201	336	3 494 064	85.26	122	3.46	603	Elecraft K3 Elecraft K3	N1MM
12	UA9AM/RU9WX	R38F	N2GA	3412	10275	128	210	338	3 472 950	84.74	144	4.05	301	Yaesu FTDX9000D Icom IC-756PROIII	N1MM
13	N2NT/K3LR	R33G	OH4XX	3382	10225	119	218	337	3 445 825	84.08	178	5	306	Elecraft K3 Elecraft K3	Win-Test
14	UU4JMG/UR0MC	R31U	HA3NU	3352	10231	131	203	334	3 417 154	83.38	132	3.79	204	Elecraft K3 Elecraft K3	N1MM
15	HA3OV/HA6PX	R34O	ES5MC	3127	9685	138	212	350	3 389 750	82.71	155	4.72	502	Elecraft K3 Elecraft K3	Win-Test