

Results for the April 8, 2024 Solar Eclipse QSO Party



Graphic by Spencer Gunning

One of Many Events in HamSCI's Festival of Eclipse Ionospheric Science



Graphic by Vikki Lawhon

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Photo by KC1JTS (Grid FN43sl)

SEQP by the Numbers

April 8, 2024

Participant's Log Data

Submitted Logs	479
Total Reported QSOs	22,966
Unique Calls Worked	6,228
4-Char Grid Squares Worked *	1,062

*Out of a possible 32,400 grids on the Earth's surface (the majority of which are on water, not land!)

Non-Scored Logs

Check Logs	6
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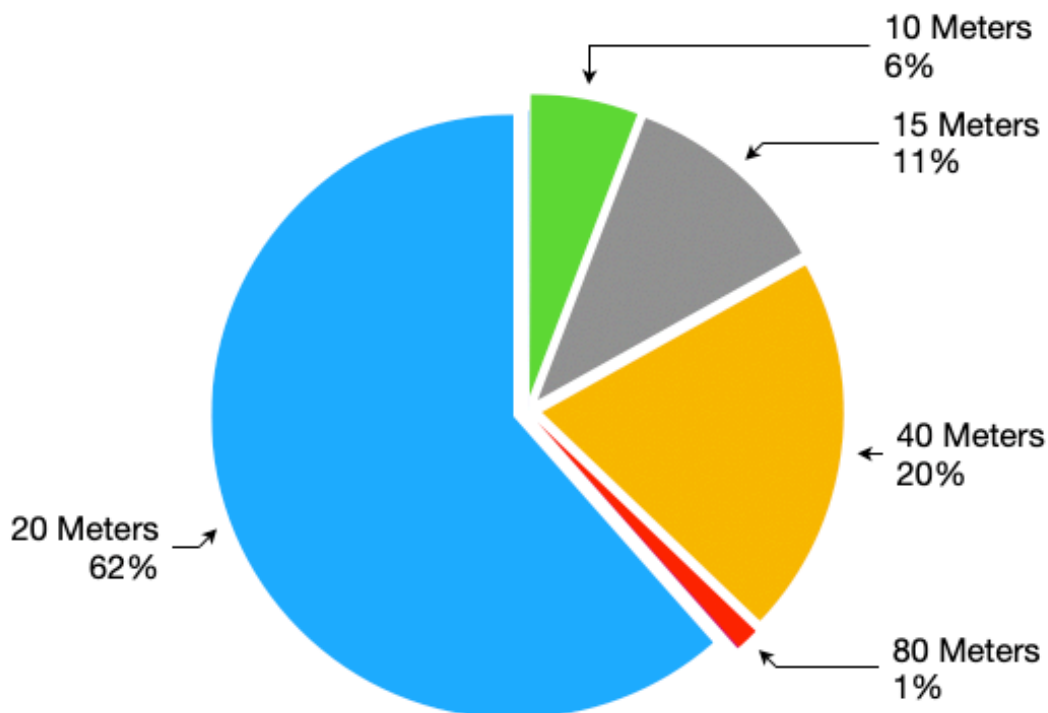
The non-scored logs contributed to the total activity on Eclipse Day, and all who were spotted by the Reverse Beacon Network and PSKReporter contributed to the collected data - and contributed to future research.

SEQP by the Numbers

April 8, 2024

SEQP 2024 QSOs By Band

Band	Count
6 Meters	14
10 Meters	1,322
15 Meters	2,546
20 Meters	14,128
40 Meters	4,650
80 Meters	282
160 Meters	24

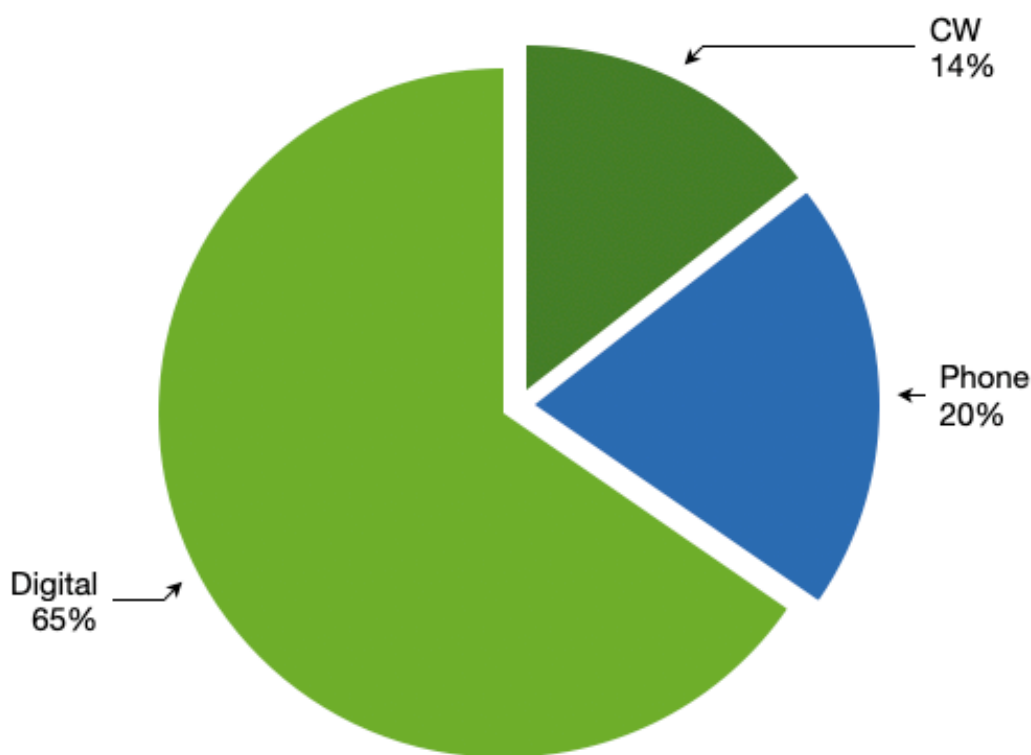


SEQP by the Numbers

April 8, 2024

SEQP 2024 QSOs By Mode

Band	Count
CW	3,320
Phone	4,629
Digital	15,017



Thank You to all of the participants who submitted their Cabrillo and ADIF SEQP logs to HamSCI after the event!

Apr 2024 SEQP: Top Three SO and MO

Single-Operator	QSOs	Mults	Final Score
W1UE	459	329	302,076
K9OM	411	331	272,117
W1SJ	615	292	229,235

Multi-Operator	QSOs	Mults	Final Score
K0AJW Souris Valley ARC	373	192	85,840
WO1N (Ops WO1N, N1KLK)	176	140	49,425
W3USR Univ. of Scranton ARC	169	98	29,362

Why do some stations have higher or nearly equivalent QSO totals, yet a lower score? Per the SEQP rules, CW and digital QSOs are worth 2 points each (to encourage automated spotting), while phone QSOs (which require manual spotting) are worth 1 point each. Final Scores are calculated based on QSO counts, modes, multipliers and bonus points.

Sampling of Photos From Entrants



W8EDU -
Case Western Reserve ARC -
Cleveland, OH

NB0X - Sandia Crest -
Albuquerque, NM



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Sampling of Photos From Entrants



VA1JON operating as VE1UW - Prince Edward Is, CA



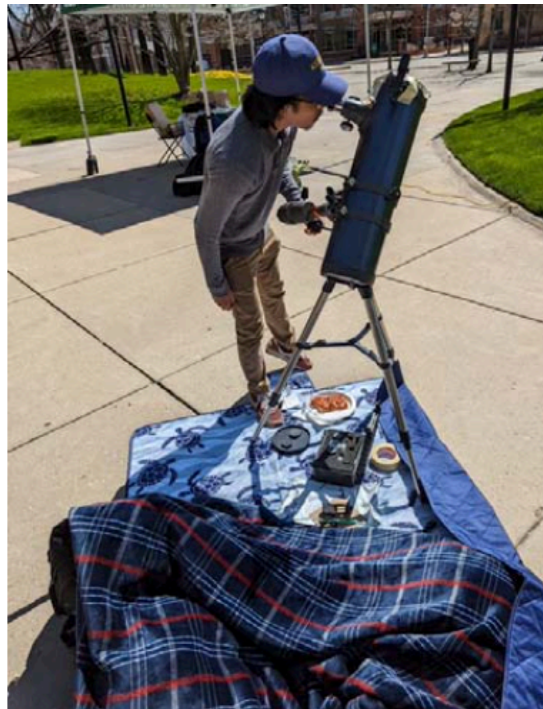
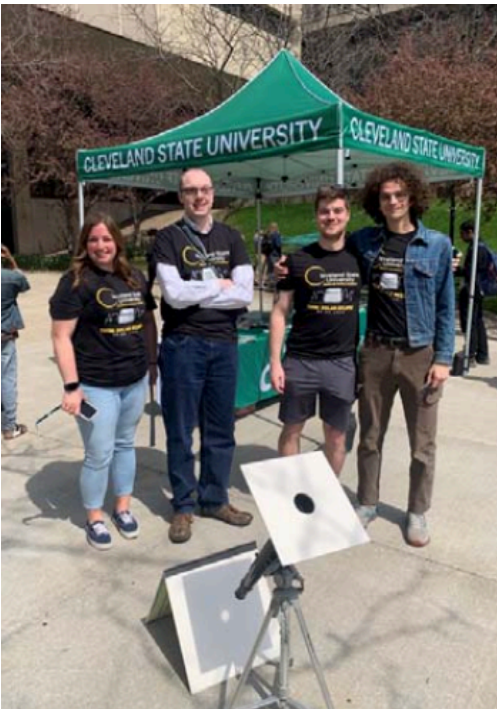
KK7AHR - Olmstead State Park - Ellensburg, WA

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Sampling of Photos From Entrants



K8HPS - Kettering University ARC - Cleveland State University Physics Department - Cleveland, OH



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Sampling of Photos From Entrants



NN3O - Geneva, OH



KL1Y - El Paso, TX

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Sampling of Photos From Entrants



WR8BT - Grid EN70wo



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W1KU - Great Woods Center for the Arts - Columbia, NH

Sampling of Photos From Entrants



K9API -
Bluff View
Campground -
Piedmont, MO



KE8TNP -
Grid EM79

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Sampling of Photos From Entrants



KA8SMA - Bowling Green, OH

Sampling of Photos From Entrants



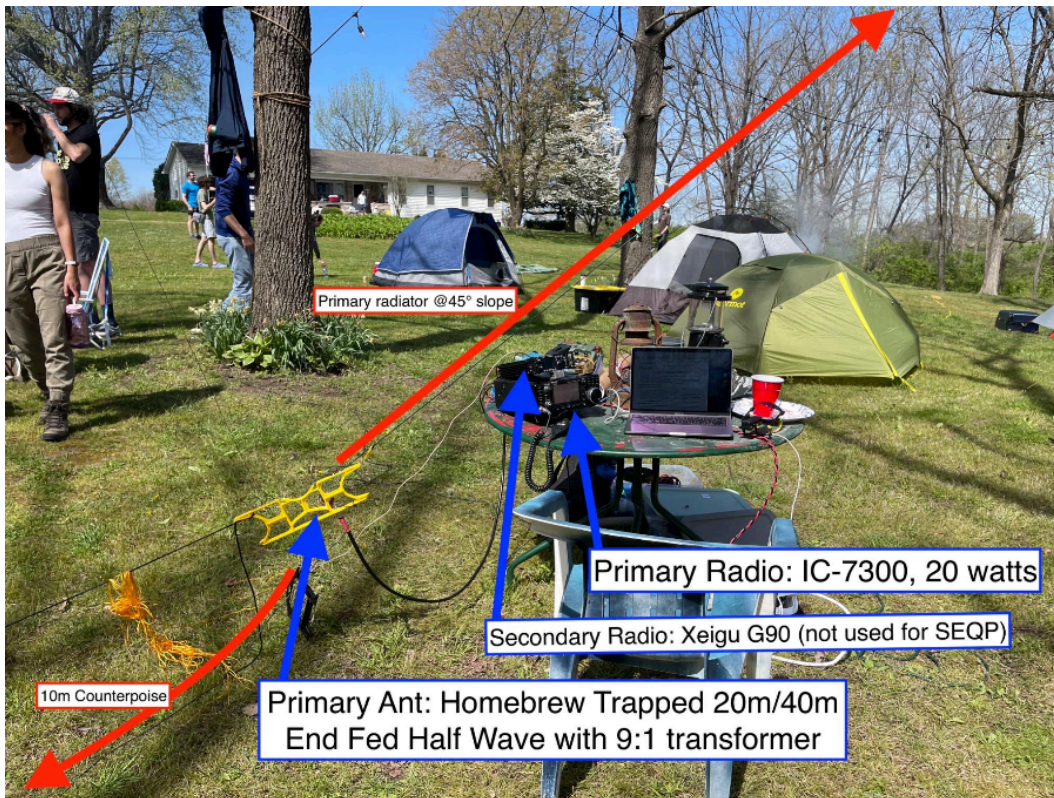
K4KDJ - Virginia Tech ARC - Blacksburg, VA



W9RWG -
EM69tb

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Sampling of Photos From Entrants



N0SSC -
Anna, IL



VA3NEF -
Brighton, ON

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Sampling of Photos From Entrants



WB2FUV - Minnewaska
State Park - NY



AF4JF - St Charles
County, MO

Sampling of Soapbox Comments

AC5H	THANKS, VERY CLOUDY ALL DAY ONLY CAUGHT A GLIMPSE OF THE 90% ECLIPSE. ALL THE BEST & 73! AC5H YAESU FTDX10 100W, 13'- END-FED WIRE W/MERCURY ATS TUNER
AC6ZM	NICE PARTICIPATION FROM MANY DOMESTIC STATIONS, WATCHING THE CONTEST ONLINE SCOREBOARD WAS FUN.
AE0EE	POWER=45 W, GRID=EN34IU, ANTENNA=VERTICAL DIPOLE, EQUIPMENT=K3. S9 LOCAL NOISE.
AE4WX	I OPERATED AT LAKE SEQUOIA IN SEVEN LAKES, NC. I HAD MANY PEOPLE STOP BY TO ASK WHAT I WAS DOING AND GOT TO EDUCATE A LOT OF FOLKS ON AMATEUR RADIO AND THE ECLIPSE.
AI5NQ	POWER=20 WATTS, GRID=EM13, ANTENNA=EFHW, EQUIPMENT=XIEGU G90, MODE=SSB, LAKE ARROWHEAD STATE PARK TEXAS
AJ6T	97% ECLIPSE AND EXCELLENT VIEWING IN CLARKSVILLE, TN EM66GM I STUCK WITH ALL DIGITAL ON ONLY 40M FOR CONSISTENT DATA ANALYSIS I LIKE USING THIS GREAT HOBBY FOR CITIZEN SCIENCE, AND I'M LOOKING FORWARD TO SEEING THE RESULTS
AK6CS	THANKS FOR THE OPPORTUNITY TO USED MY STATION FOR SOMETHING MORE WORTHWHILE THAN TRYING TO WIN A PLAQUE I WOULDN'T ORDER!
K3URT	FIRST 3 QS ARE CW; THE REST FT8. RIG=YAESU FTDX-10, 5 HOURS OP TIME. I HAD A GREAT TIME!
K4OGB	IT WAS GREAT FUN AND I HOPE THE DATA PROVIDES SOME USEFUL INFORMATION.
K5IZV	EXPERIENCED COMPLETE LOSS OF CONTACT WITH ALL 20M FT8 CONTACTS FOR 9 MINUTES BEFORE AND AFTER THE TOTALITY MAXIMUM.
K6PLI	MY SEQP SETUP: 5M VERTICAL AND SINGLE 5M ELEVATED RADIAL, AKA UPRIGHT L DIPOLE. RADIAL POINTING EAST-ISH. OPERATING POSITION CLOSE TO THE END OF PISMO BEACH PIER, OVER SEA WATER, BUT NO GROUND WIRE DOWN INTO THE WATER.
K8HPS	MY STATION WAS SET UP ON THE PLAZA SOUTH OF THE SCIENCE AND RESEARCH BUILDING ON THE CAMPUS OF CLEVELAND STATE UNIVERSITY. THE AMATEUR RADIO STATION FOR THE SOLAR ECLIPSE QSO PARTY WAS SET UP ON THE WEST SIDE OF THE PLAZA, WHILE A DUAL DIPOLE ANTENNA ARRAY FOR RECEIVING MEASUREMENTS AS PART OF THE RADIO JOVE PROJECT WAS SET UP ON THE EAST SIDE.
K8HPS	POWER = 8.1 W, GRID=EN91DL, ANTENNA=DIPOLE, EQUIPMENT=FT710, SOFTWARE= WSJT-X 2.6.1, LOVED TOTALITY!
K8TE/5	OPERATED FROM OUR RV IN PROSPER TX AT MY IN-LAWS' HOME. I WAS ABLE TO SQUEEZE IN A 57 FT. INVERTED L AND RAN 100 WATTS ERP WITH AN ELECRAFT K3. ACTIVITY SEEMED BETTER THAN OCT 2023 AND I WORKED A LOT OF FOLKS I KNOW. I STAYED WITH CW TO OBTAIN RBN SPOTS. THE CLOUDS CLEARED NOW AND THEN SO WE COULD CATCH A VIEW OF THE SUN--ALWAYS COOL!
K9API	THANK YOU FOR ORGANIZING THIS EVENT! I DON'T DO MUCH CONTESTING BUT THIS ONE WAS DEFINITELY WORTH IT.
KA2YRA	BRIEF ACTIVATION FROM POTA US-4567 IN VESTAL, NY AT A PARK ALONG THE SUSQUEHANNA RIVER. YAESU FT857D 75WATTS TO YAESU ATAS-100 ON ROOF OF CAR. OUR 97% ECLIPSE VIEW WAS OBSCURED BY HEAVY CLOUDS AND DRIZZLE.

Sampling of Soapbox Comments

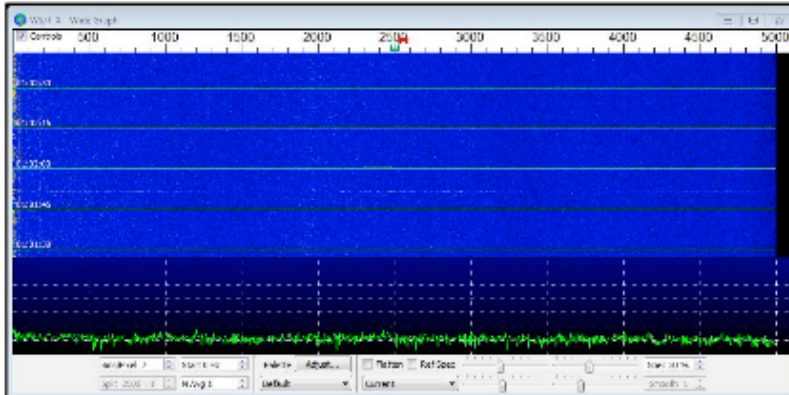
KA9TBU	WAS GLAD TO BE PART OF SUCH AN EXCITING EVENT
KB2DSR	ECLIPSE WAS DISAPPOINTING DUE TO CLOUD COVER. POWER=100 W, GRID=FN32DR, ANTENNA=40M OCFD, EQUIPMENT=YAESU FT-450D. FIRST CONTEST USING EITHER FT8 OR FT4!
KB9LGS	THE MAIN THING I NOTICED WAS THAT I HAD A LOT MORE STATIONS THAT FADED ON ME MID CONTACT. LIKE MOST OF THEM.
KD0CAV	THE ECLIPSE WAS A BEAUTIFULL SIGHT IN SOUTHEAST MISSOURI
KE4WMF	AT MY LEVEL OF PARTICIPATION, THESE BONUS POINTS MAY BE AS VALUABLE AS THOSE FOUND ON THE DREW CAREY SHOW. ;-) MY PRIMARY ANTENNA DURING SEQP WAS A SCORPION HF ANTENNA MOUNTED TO A TRAILER HITCH. IT'S VERTICALLY POLARIZED AND TOPS AT 8'2". I USED A LOOP BY M2INC.COM FOR 6M FOR MY SINGLE 6M CONTACT. IT'S HORIZONTALLY POLARIZED AT IS MOUNTED AT 8'3".
KE4WMF	I OPERATED FROM MY MOBILE STATION ON MY BROTHER'S 10-ACRE PROPERTY WITHIN THE ECLIPSE'S PATH OF TOTALITY. I DID NOT OPERATE DURING TOTALITY BECAUSE MY TIME WAS 100% TAKEN BY PHOTOGRAPHING THE ECLIPSED SUN. I DID OPERATE FT8 BETWEEN TAKING PHOTOGRAPHS OF THE PARTIAL ECLIPSE. OVERALL, IT WAS A FANTASTIC EXPERIENCE!
KI7KY	POWER=100 W, GRID=DN30VR, ANTENNA=EFHW@30FT, EQUIPMENT=FT710, POTA=US-3075. PARTIAL ECLIPSE BUT BEAUTIFUL SUNNY WEATHER!
KJ4UBM	REPORTS SHOWED ELEVATED RECEIVED FIELD STRENGTH DURING PEAK FOR MY GENERAL GRID AREA
KM4YMI	MY SECOND TOTAL SOLAR ECLIPSE AND LOOKING FORWARD TO THE THIRD!
KN6GXO	FIRST CONTEST!
KN7Y	THANKS FOR THE QSOS!
KQ4NQO	TOTALITY WAS FANTASTIC AND A GREAT EXPERIENCE FOR A NEW HAM! NEXT TIME WILL NOT TRY TO OPERATE NEAR MATING SQUIRRELS, BARKING DOG, FIREWORKS AND LITTLE KIDS (LAST CONTACT WAS GETTING CHANCY AND MIGHT BE INCORRECT - BEST DATA COULD PROVIDE).
KY4GS	ANOTHER CONTEST AT SAME TIME SO MANY WERE CONFUSED ESP WITH POOR CONDX
N0GJW	TOTALITY WAS GREAT TO SEE
N1EN	MOSTLY RAN 4 INSTANCES OF WSJT-X TO HELP FEED PSKREPORTER. MADE A FEW FT8 CONTACTS ON 20M, BECAUSE I COULDN'T RESIST.
N3RTW	POWER=100 W, GRID=FM18JS, ANTENNA=OCF, EQUIPMENT=IC7300. 87% TOTALITY, STILL AWE INSPIRING
N4SBX	NO TOTALITY HERE, BUT THE ECLIPSE WAS STILL COOL!
N7DZ/5	SOMETHING TO DO WHILE HOPING FOR SKY TO CLEAR.
NC6Q/8	HELLO. I DID NOT MAKE ANY CONTACTS IN THE SOLAR ECLIPSE QSO PARTY 2024, HOWEVER, I DID OPERATE PORTABLE FROM THE CENTER OF THE PATH OF TOTALITY IN "BEACON MODE" TO PROVIDE THE REVERSE BEACON NETWORK WITH DATA TO BE STUDIED. I SENT THE FOLLOWING IN CW: TEST TEST DE NC6Q/8 NC6Q/8 NC6Q/8 DE EN81XL AT 5 W K, REPEATING EVERY 15 SECONDS. I OPERATED AT 5 WATTS INTO A VERTICLE ANTENNA, FROM GRID SQUARE EN81XL, ON 14.053 MHZ, FROM 12:20 PM TO 8:35 PM EASTERN DAYLIGHT TIME. I COULD SEE I WAS PICKED UP BY NUMEROUS STATIONS IN THE RBN. I HOPE YOU ARE ABLE TO USE THE DATA THAT I GENERATED BEFORE, DURING, AND AFTER THE TOTAL SOLAR ECLIPSE

Sampling of Soapbox Comments

NF7E	DURING THE EVENT, I NOTICED THE SIGNALS WENT DOWN, THE MORE THE SUN WAS COVERED, BUT SO DID THE NOISE LEVEL, WHICH MADE IT EASIER TO WORK THE OTHER HAMS PARTICIPATING.
NOHR	NEAR-PERFECT CONDITIONS! QRT IN TIME TO VIEW TOTALITY WHICH WAS SPECTACULAR AT THIS QTH.
VA3CBN	GRID SQUARE FOR SEQP IS EN81PT ON PELEE ISLAND. USEFUL FOR HAMSCI STUDIES.
VE1UW	PHOTO'S SHOW MY OPERATING POSITION FROM THE BEACH ON PEI. I HAD A SLIGHT ANTENNA DISASTER SO HAD TO DO A QUICK MAKESHIFT 20M INVERTED V. THE ACTUAL ECLIPSE WAS FANTASTIC FROM HERE. SETUP WAS AN FT857D WITH 2X 9AHR LITHIUM BATTERIES, 25WATTS, ANTENNA MAST - 7M CARP POLE, FEED LINE 30FT RG-174.
W0RMX	IT WAS CLOUDY, BUT SO WHAT - GOT TO PLAY RADIO ANYWAY! :D
W1KU	THANKS TO GREAT NORTH WOODS CENTER FOR THE ARTS FOR HOSTING AN AMAZING TOTAL ECLIPSE EVENT IN COLUMBIA, NH. MY STATION USED A KX2 AND MAGNETIC LOOP TO OPERATE ON 10M, 15M, AND 20M. ALL OPERATIONS WERE ON FT8 RUN FROM A RASPBERRY PI ZERO 2 W. THE LOOP ANTENNA ON A TRIPOD ATTRACTED ATTENTION FROM BOTH HAMS AND NON-HAMS. AT ONE POINT, THERE WERE 6 AMATEURS AND ONE DOG HAVING A MINI-CONVENTION AT MY LOCATION.
W1SJ	HELLO FROM NORTHERN VERMONT THRUST INTO DARKNESS! AWFUL CONDITIONS. THE FLARE OVER THE WEEKEND DID NOT HELP. ONLY 20 METERS WAS PRODUCTIVE - THE OTHER BANDS DIDN'T DO MUCH. CW RUNS LASTED 15 MINUTES OR LESS. AT LEAST FT8 SAVED THE DAY ON THE OTHER BANDS. I SWITCHED TO 80 METERS 15 MINUTES BEFORE TOTALITY AND STAYED ON FOR 15 MINUTES PAST TOTALITY. I ONLY WORKED AND SAW LOCAL STATIONS IN THE NORTHEAST. THE 3 MINUTES OF DARKNESS DID NOT LAST LONG ENOUGH TO DROP THE D LAYER AND ALLOW LONGER SKIP. I DID SEE HA1BF ON FT8 ON 40 METERS AT 3:15 FOR TWO TRANSMIT CYCLES - THAT WAS THE ONLY OUT OF ORDINARY THING. 20 METERS WAS VERY BUSY DURING TOTALITY, BUT AS SOON AS THE SUN CAME BACK OUT, EVERYONE DISAPPEARED JUST AS QUICKLY. IT WAS A NICE SHOW - IT GOT REAL DARK HERE - THE STREET LIGHTS CAME ON, DOGS WERE HOWLING AND PEOPLE WERE HOWLING TOO. IT WAS NICE TO GET BACK ON THE RADIO WHERE SOME SANITY STILL EXISTED!
W2OW	OPERATED FROM KOPERNIK OBSERVATORY DURING ECLIPSE DAY PUBLIC EVENT
W8EDU	THE OPERATION WAS SET UP ON A BALCONY OF CWRU'S TINKHAM VEALE UNIVERSITY CENTRE, CLEVELAND, OH, OVERLOOKING A MASSIVE CROWD OF CASE WESTERN RESERVE UNIVERSITY STUDENTS.
W8EDU	TOTALITY WAS IN FACT BEAUTIFUL!
W8TMI	OPERATED IN BACK YARD VIA BATTERY AND LOCAL BREWERY.
WB2FUV	THANKS FOR THE SOLAR ECLIPSE QSO PARTY. I OPERATED QRP 5 WATTS CW FROM SOTA SUMMIT W2/GC-020, (ELEV 2290') AT SAM'S POINT MINNEWASKA STATE PARK.
WC5TX	PORTABLE FROM WINNSBORO CIVIC CENTER BACK PORCH. ICOM 7300 100 WATTS INTO CHAMELEON 17' VERTICAL ON THE GROUND. WORKED IN CONJUNCTION WITH WPD AS VHF/UHF COMMS BACKUP AT THEIR TACTICAL COMM CENTER. CLOUDS SEPARATED JUST AS THE ECLIPSE STARTED AND WE HAD A GLORIOUS SHOW!

Sampling of Station Diagrams

KE2D Station Configuration and Info for Solar Eclipse Party 8 April 2024



This screen grab shows how flat the response of the receiver is when tuned to a quiet frequency (no signals and low noise). The RF gain was adjusted to produce a mid-scale signal level in WSJT-X (40)

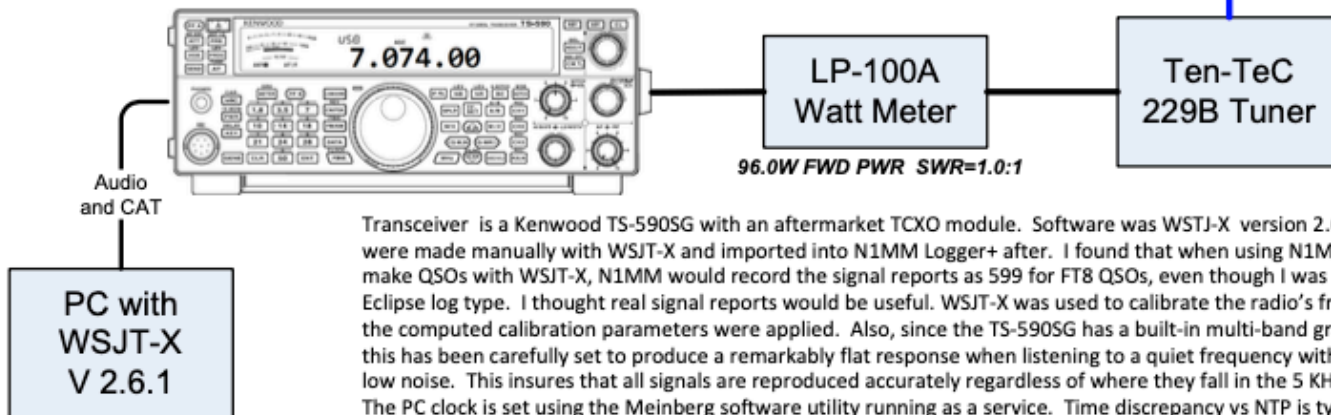
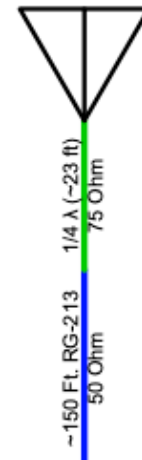
Meinberg Clock Stability

Checking current status of NTP service with ntpq -p

remote	refid	st	t	when	poll	reach	delay	offset	jitter
+155.248.196.28	128.138.140.44	2	u	16	128	367	70.832	2.500	2.038
*t2.time.bf1.yah	98.139.133.62	2	u	58	128	377	15.990	-1.904	1.815
+four10.gac.edu	169.117.81.12	2	u	471	128	310	35.964	-1.388	1.045

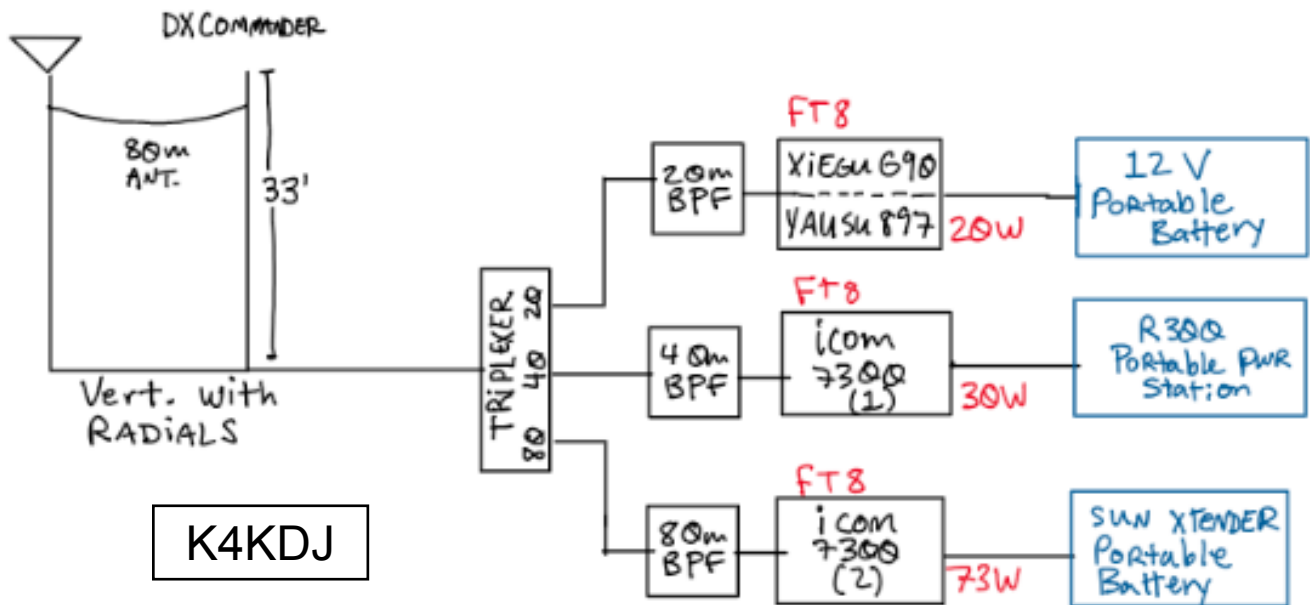
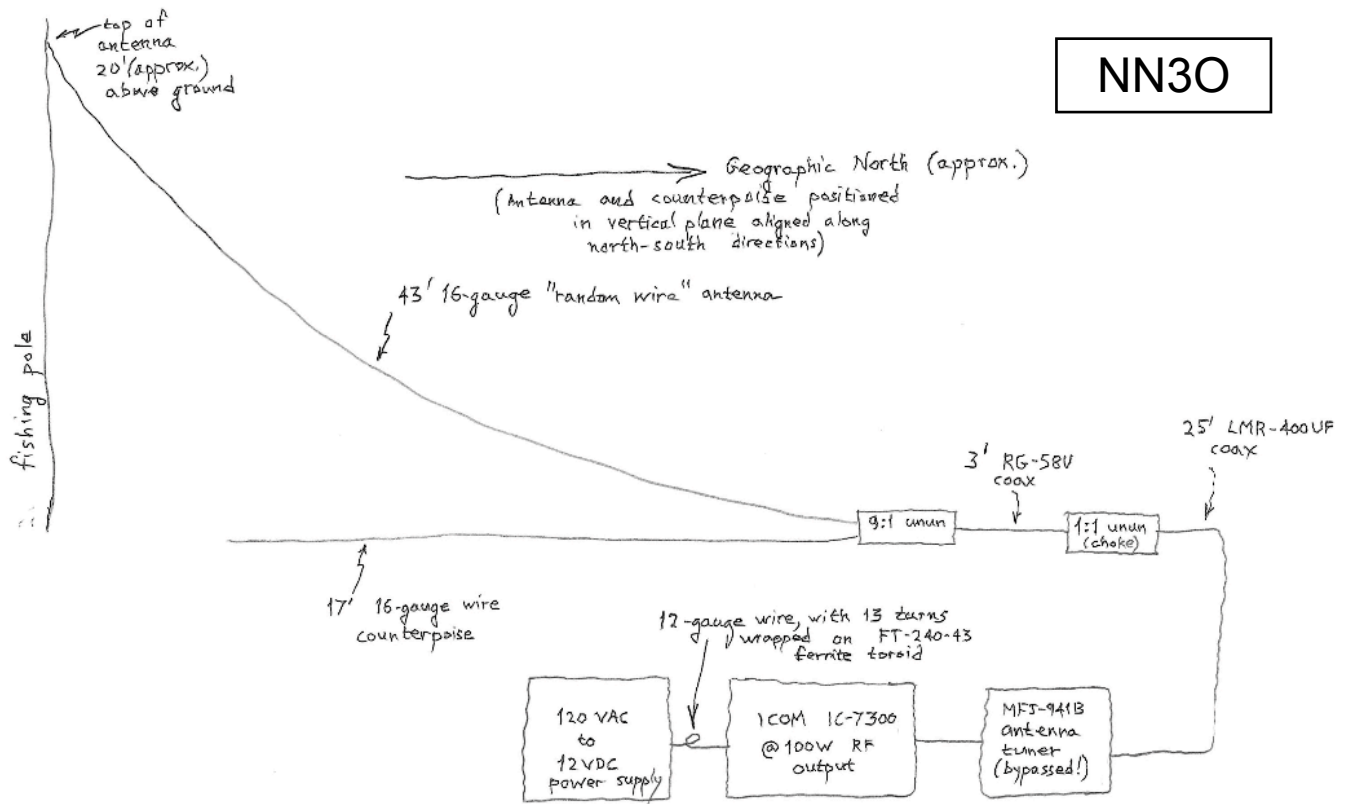
Full Wavelength 40m Square Loop Antenna

Vertical orientation fed near a bottom corner. Bottom approx. 25' above ground. Top approx. 58' above ground. Antenna is oriented approx. NW-SE. Radiates best to NE and SW (broadside). Approx. 1.2 dB gain vs a dipole (1.2 dBd)

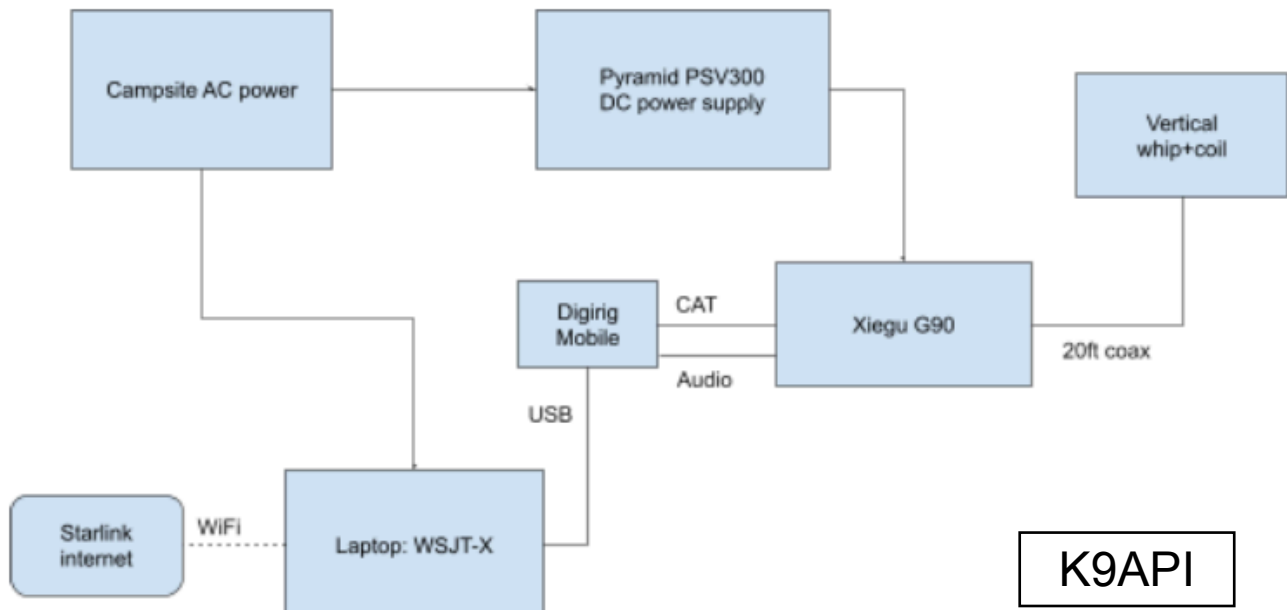
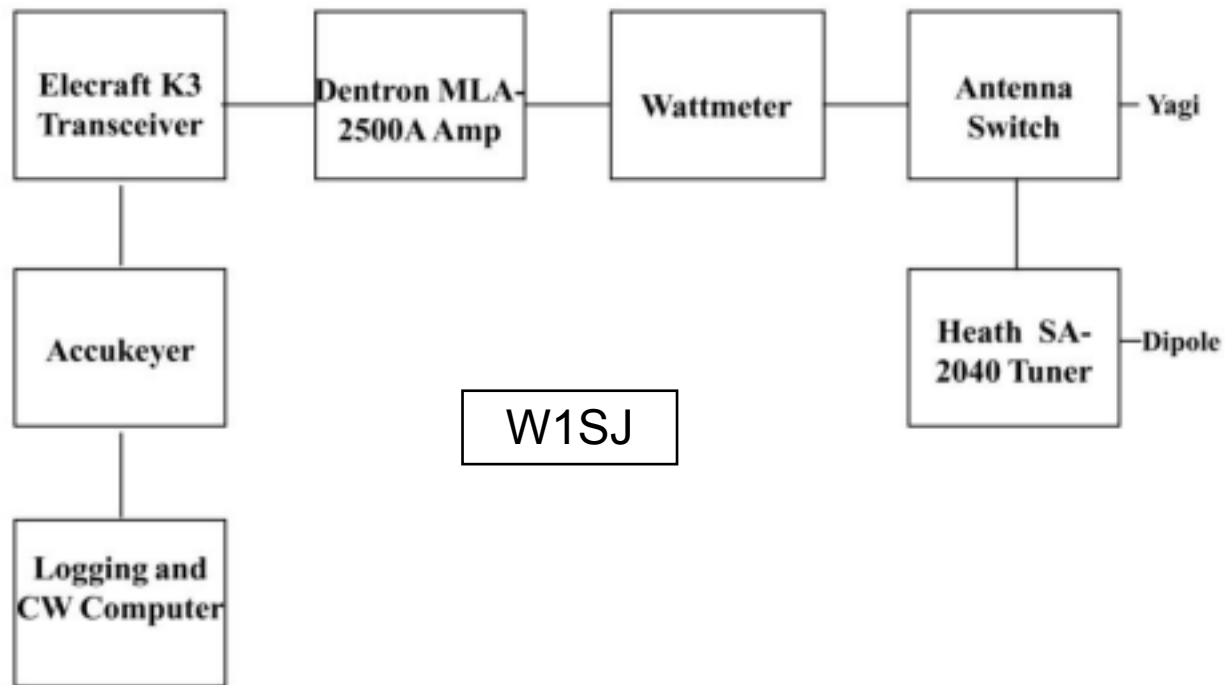


Transceiver is a Kenwood TS-590SG with an aftermarket TCXO module. Software was WSTJ-X version 2.6.1. All QSOs were made manually with WSJT-X and imported into N1MM Logger+ after. I found that when using N1MM Logger to make QSOs with WSJT-X, N1MM would record the signal reports as 599 for FT8 QSOs, even though I was using the Eclipse log type. I thought real signal reports would be useful. WSJT-X was used to calibrate the radio's frequency and the computed calibration parameters were applied. Also, since the TS-590SG has a built-in multi-band graphic equalizer, this has been carefully set to produce a remarkably flat response when listening to a quiet frequency with no signals and low noise. This insures that all signals are reproduced accurately regardless of where they fall in the 5 KHz IF pass band. The PC clock is set using the Meinberg software utility running as a service. Time discrepancy vs NTP is typically < 3 ms.

Sampling of Station Diagrams



Sampling of Station Diagrams



Apr 2024 SEQP: All Single-Op Scores

Call	Grid	Score
W1UE	FN41NP	302,076
K9OM	EN65DD	272,117
W1SJ	FN34KM	229,235
WW5M	EM55CK	152,198
KC3NDU	FN21HL	139,789
W4WDK	FM07HA	53,897
KV8O	EN82JO	52,966
W9KEY	EN63AH	47,913
N7RCS	EL98QA	44,641
N5LFE	DM68BH	39,755
KA5WSS	CM88SG	38,907
K4HXM	FM07JF	37,970
K9CUF	EN64DB	37,659
KC5TT	EL29CS	34,806
KI5WES	EM40QR	33,748
N0RC	EM29NA	32,351
KB2DSR	FN32DR	30,945
KD0OIX	EN16XG	30,619
NU0C	EN10PS	28,357
KC2WUF	FN20RT	28,143
K0ACP	EN73TR	27,325
K0LWC	EN35GC	25,482
K8DP	EN62VT	25,028
K9NYO	EN61AL	24,231
W4E	EL88SV	24,155
W6DPM	DM04QF	22,547
AB4EJ	EM63FJ	22,256
W4AI	EM66RG	21,609
KC9NJZ	EN52VH	20,921
W9RWG	EM69TB	20,703
W4RZ	EM73JI	19,874
AC6ZM	EM75UR	17,788

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Apr 2024 SEQP: All Single-Op Scores (cont.)

KC9PUX	EN71KD	17,629
K4KPL	EM66ML	17,187
N8PW	EN90HU	16,919
KA0LDG	EN16PK	16,880
WB9HFK	EN50VB	16,575
WB3LGC	FM29ER	16,467
W0DTM	EM46TV	15,666
N5GIT	EL09UN	15,642
NT0Y	EN72RQ	14,957
KQ1S	EM84OK	14,871
K4HGF	FM18FR	14,523
K2TNO	FM14PT	14,388
KE8VZO	EN80ME	14,077
AE4WX	FM05FG	13,991
KN4COE	EM79BT	13,941
AF8A	EN91GN	13,896
AB3GY	FN00DJ	13,585
AB8VE	EN91AJ	13,414
N1RDN	FN41SS	12,728
WO4O	EL98DV	12,583
KD5J	EM45ES	12,556
AD7FC	CN96KQ	12,440
WA8AHZ	FM18IT	12,306
KA0AIG	EM29TI	12,096
K1RZ	FM19JH	12,054
N1SUZ	EM84OW	11,972
NK8O	EM28SB	11,869
W5RRR	EL29KN	11,718
W7GES	DM33WR	11,703
N4DLT	EM95FG	11,437
K3URT	FN10OG	11,287

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Apr 2024 SEQP: All Single-Op Scores (cont.)

NA7DO	CN87TO	10,783
KI7KY	DN30VR	10,461
K4QPL	FM05PW	10,179
KD9OAZ	EN54KM	10,074
N4FKH	FM18KT	9,964
VA3NEF	FN14DB	9,524
AC8ZU	EM79VO	9,503
W1DYJ	FN42KL	9,500
WG0A	EN34IV	9,372
VE3MGY	EN92LQ	9,353
KF2FK	FN31CA	9,274
K9API	EM47OE	9,105
AI5NQ	EM03TS	8,916
AC0DH	EN34GU	8,579
KC3NDW	FN21KS	8,334
NF7E	DM45FF	8,214
W9SA	EN71HF	8,165
KC3JAS	EN91UO	8,066
KL1Y	DM61VT	7,793
WX4HP	EM64RG	7,767
W9RWB	EN61TM	7,571
W9JCR	EM68ET	7,497
W0PPA	EN35GA	7,442
KC1JTS	FN43SL	7,405
AJ6T	EM66GM	7,322
KD7DY	EM36JP	7,322
WB2FUV	FN21TQ	7,062
KK1X	FM42EM	6,985
W6EHY	EM45BB	6,668
WA4LDU	EM93IX	6,395
KE0ITC	EN12VS	6,300

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Apr 2024 SEQP: All Single-Op Scores (cont.)

K0TG	EN35LB	6,278
WX2R	EL96WV	6,263
KZ3MW	FN21IG	6,192
W9NVY	EM69QB	5,984
K3WA	FM05JS	5,903
WA2YYL	FN30DS	5,763
KD9PII	EN51VS	5,753
W4BHJ	EM95OD	5,707
KC8LOW	EN80NA	5,701
K4RUM	FN30UW	5,697
YO2OS	KN15KU	5,659
K1IB	FN33SO	5,648
K0FYR	EL09VV	5,626
KN0R	EN32DA	5,598
N1DC	FN42MF	5,492
KM6GUO	EM23BO	5,452
K8WU	EN82KL	5,391
N4ZUK	EM73ID	5,236
ZL3TE	RF73IC	5,212
W2JTM	FN31BT	5,177
KT0A	DN83GK	5,143
WM4Q	EM65IW	5,082
N1EN	FN31PW	4,889
N8DNA	EN91CE	4,888
KN6GXO	DM14MD	4,829
N0OEP	FM17OF	4,810
NN6U	CM87RM	4,720
KE2D	FN20NG	4,699
N2YCH	FN34IF	4,679
KD5KC	DM61SS	4,597

Apr 2024 SEQP: All Single-Op Scores (cont.)

W4SDX	EM55VE	4,443
YO8PS	KN37SD	4,432
W1GD	FN42BI	4,423
KB8MFV	EN80JS	4,382
N7AKG	CN85SL	4,346
W1PD	EN81XM	4,322
W8CFS	DN44PX	4,253
AG7TX	EM46AU	4,231
W0SS	EM28MV	4,207
KB8NOU	FM08BW	4,148
N6ACA	CM97CP	4,110
KI5NVM	EM16KB	4,064
N5SMQ	FM08PI	4,058
N6TNT	DM43GB	3,995
AC2YD	FN20OK	3,873
KC0BLK	EM29RB	3,859
K9XH	EN51XU	3,857
N3DCG	FN21CG	3,834
K8TE/5	EM13OF	3,797
W1BIU	EL87SB	3,794
N8VXR	EM79RF	3,725
W6AGZ	CN85PJ	3,640
K3IW	EM97SC	3,623
AD0GU	EN31GK	3,299
K8ZT	EN91HE	3,274
WA0LIF	EN35LB	3,271
K1DW	EM12TW	3,261
K4GM	FM08WP	3,237
KG5UNK	EM10DK	3,154
NF8M		3,144

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Apr 2024 SEQP: All Single-Op Scores (cont.)

VE3KOT	FN03DK	3,138
W3HMS	FN10MF	3,121
K5BDL	EM22IH	3,074
KE7TAC	CN85AT	3,060
W6US	DM09DN	3,053
WG8X	EN81VD	2,976
KC2ANT	FN12PG	2,953
K4JAT	EM85GK	2,892
KI0EH	EN80MF	2,854
KD2YLZ	FN33VT	2,810
KD8OOB	EM79PH	2,779
KI5VAG	EM16XB	2,749
KC3QLX	FN20AQ	2,732
AB4GH	EM77UN	2,731
N6SE	EL98HT	2,669
WA3TMR	FM05OO	2,590
N5ILQ	EM15EP	2,542
N0KQ	DM79NX	2,514
KB1GKN	FN42GU	2,513
K5IZV	EM34XW	2,507
KE6K	DM33RR	2,469
KJ4AXB	FM19PC	2,452
VE2DM	FN45AJ	2,447
KB2MDR	FN21XA	2,441
K5MTP	EM11KN	2,429
KO4KSZ	EM64ST	2,416
N4NM	EM64RR	2,398
K8LF	FM17PG	2,351
N5JDT	DM72AV	2,311
VA3FN	EN82NH	2,290

Apr 2024 SEQP: All Single-Op Scores (cont.)

KC9UHI	DM42MD	2,246
WB4EHG	EL96TC	2,199
WX8V	EM68SR	2,187
N7DZ/5	EM00LI	2,172
WD0FYV	FM17UA	2,120
KA2ENE	FN13FE	2,087
KF0NXY	DM79OB	2,047
WA4BQM	FM18IV	2,019
KB6NU	EN82CH	1,990
KC1UER	FN31ID	1,943
N9LPQ	EN53WK	1,939
N5VX	FM14GS	1,922
KI7URL	DN84CI	1,899
N0LLH	EM09WL	1,869
VE3JZT	EN93VD	1,862
N7SE	DM68BL	1,848
N4KHI	FN02RT	1,841
WA2EWY	FN24SG	1,835
KC3UII	FN21AE	1,815
KE4WMF	EM00WU	1,807
WA3AER	FM19QH	1,805
KC4KZR	FM06CB	1,743
K0TH/5	EM35RV	1,724
NR7Z	CM97BV	1,701
AB4MG	EM93IS	1,692
KV8S	EM31QW	1,689
N4SBX	EM73SK	1,663
KE8FWZ	EM79VR	1,630
KO4ZEW	EM84US	1,582
KE8UVX	EN72RR	1,578

Apr 2024 SEQP: All Single-Op Scores (cont.)

WA8UET	EN70WP	1,568
AA1CX	FN54OT	1,500
NT5TT	EM13OD	1,462
VA2UR	FN35VF	1,440
W7DRK	CN85NL	1,430
K1ZZ	FN31TT	1,421
KC3YRN	FN10PF	1,415
NG9NB	EN60ML	1,406
KD8ZKS	EM99AG	1,404
VE3YV	FN03HQ	1,403
KW9Q	EN40KJ	1,365
K4CIH	EM73VH	1,358
VA7KBM	CN89KF	1,358
AE4TH	FM17UB	1,357
W5HGT	EM32QM	1,357
N3AE	FN12LW	1,356
KG4RHQ	FM18KW	1,355
KE8TTQ	EM88BU	1,355
W9NXM	EM69TR	1,350
KM4YMI	EM60UA	1,347
N0SSC	EM57JL	1,331
KD0XD	EN12SM	1,303
KO4MTL	EM66RW	1,253
N3ADF	FM18OX	1,228
KH2SR	CM97KR	1,224
AI5FK	EM63NG	1,220
KC1IZC	FN32QB	1,201
W8TMI	EN72QP	1,182
WR8BT	EN70WO	1,172
W1KU	FN44FV	1,166
N3UP	FM28JT	1,156

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Apr 2024 SEQP: All Single-Op Scores (cont.)

N2FBV	FN30AR	1,156
K0SV/5	EM35RV	1,118
KD0CAV	EM56AV	1,107
WT0RJ	EM34GN	1,100
KA8SMA	EN81EI	1,068
KK7AHR	CN96SX	1,028
AA5KD	EM15GJ	1,020
KG5EIU	EM13RB	982
KC3ASJ	FN21JU	981
KC8GZK	FM16NS	972
KR7D	CN85QR	969
N2NFG	FN30EU	944
N1SFE	FN31RN	929
AC9VM	EM69XQ	921
AF4JF	EM48QS	913
AG7OO	CN87NB	911
KM4AF	EM84MQ	893
KC9IL	DM43AO	890
WB0DHB	EN35UV	886
N0ECK	EM34KL	853
KC2LM	DM65PB	847
N2RDT	FM05TX	844
W7POE	CN87TL	835
NU7I	DM33VP	807
AJ4FF	EN91JK	798
KF0AIT	EN14OH	780
K9QH	EN54FW	772
W0OJW	DM78PA	770
N7IR	DM43BI	758
KJ4UBM	FM06FA	753

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Apr 2024 SEQP: All Single-Op Scores (cont.)

N0XMD	EN70RI	752
G3WW	IO82WT	749
KD6NFD	DM04NF	729
WB0TEV	EM13XC	729
KC0DMF	EN34GU	728
KO4OL	EM77US	713
W5APO	EL89TQ	700
KC1NCN	FN42AK	694
KD2QAR	FN02QV	688
N0HR	EM46UW	688
N1GAY	DM13ST	685
KK7VO	DN16JR	684
N4NTO	FM15FV	675
WB3EGD	FN20AW	672
W3WC	EN91SQ	672
N8TP	EM74LX	628
NB0X	DM65SF	622
N5DTT	EL29GQ	616
N3KAE	FN21BL	578
R9AE	MO05SD	575
W7LG	FN10HR	568
K0TQ	EM79DA	554
KQ1O	FM17EK	553
AD8IZ	EN80ON	528
KG7MYX	CN88UJ	523
N0LNT	FN34EO	515
NA9VY	EM68WX	513
K8HPS	EN91DL	506
KG5JEN	FN33CF	489
K2GLS	FN20QS	488

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Apr 2024 SEQP: All Single-Op Scores (cont.)

WB2IFS	FM18NR	466
K0RJK	DM79OP	465
WI4WD	EN54UF	462
KT5LA	DM03TV	457
N0GN	EM46RR	444
N3ZP	FN20IF	442
WT8P	CN97AN	434
K6PLI	CM95QD	425
VE3WGH	EN92GO	411
N1ASA	FN41IM	409
KY4GS	EM93IA	407
N1OG	FN45HB	399
K3GD	FN11IR	398
KG9ML	EN62CB	397
N9UXC	EN34HT	397
VE3RXH	FN24GR	396
VE2AAF	FN45NL	381
KE2BTS	FN30AP	379
K8NW	EM79QE	378
VE7BLW	CN89LH	375
W1SAV	DM04WC	375
WB2NVR	FN31DA	373
KD9IXX	EN61BL	372
K2TV	FM18HU	367
KA1GG	FN41KT	358
VA3COJ	EN94VL	356
KY4RQ	FM17SE	355
W1II	FN41HS	354
KZ4BY	EL98JV	353
KC1RKX	FN41KT	352

Apr 2024 SEQP: All Single-Op Scores (cont.)

W8KDZ	EN91OF	348
KF0GVX	EN21AA	344
N8EUI	EN73XK	343
KF5RX	EM10FP	341
KA5JHT	EM22IW	332
N0AMP	DM78OX	331
KC8DHY	EN61DX	327
KJ4QIS	EM46SB	310
WB9BWP	EN52XW	310
K9MRG	EM65PS	309
N4PRB	EL98HH	305
KD9RCA	EM58QB	300
KD7HGS	DN13TP	296
KJ5AGP	EM11GC	278
W9TCV	EM90GQ	272
KC6ISS	FM17TB	270
KM4JTE	EM83GV	267
KI4AMD	EM00VS	260
NN3O	EN91NU	259
KA9TBU	EN43XM	255
W1ND	EM45WD	252
KA2YRA	FN12XC	252
KE8TNP	EM79NF	249
N0SMX	EL98AX	249
W0RMX	FN12SK	248
KW4GF	FM16WS	247
KG4EIF	FM08TE	243
N3WR	FN20DP	243
WA7BAM	CN86OU	240
KD8UZS	EM89KV	240

Apr 2024 SEQP: All Single-Op Scores (cont.)

KA7KRX	DN41CD	235
N5JGE	EM21HD	234
W0RBG	EM35WL	225
KO4GAR	EM95KC	224
KB9LGS	EM68RW	224
N5DSZ	EM12UU	224
VE2LPS	FN35BM	222
WI2M	FN30FR	221
WV5Y	EL29FT	220
N9DRB	EM69HK	215
KJ3I	FN10NF	212
WW4UBD	EL98FQ	212
KQ4NQO	EN91CI	209
KI2D	FN34TM	209
KD3CR	FM19SA	208
KN6OKY	DM12LP	206
VA3TTQ	EN92UT	202
KD2ZQR	FN23XW	201
KA1PPV	FN31FC	198
KC2ZOA	EL95DW	192
KE0CZQ	EM36IA	190
KU1N	FN32QP	186
AI7OZ	CN87VC	176
K5VOP	EM13NE	168
W4LSV	EM75OG	168
WA2ISE	FN20XW	168
W0RTA	EM24OD	164
KE0VPI	EM26VG	164
KJ5ELX	EL29DV	162
KE0CZP	EM36IA	160

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Apr 2024 SEQP: All Single-Op Scores (cont.)

KA3TTT	FM29KW	153
WR1B	FN10TS	149
KD1IX	EN82JO	144
KI5SXE	EM13RB	142
W4QYV	EM92XX	136
KN6DRN	CM98IU	136
KF0LAX	DM79NC	132
JA2ANX	PM95SN	131
KN4JN	EL98PK	130
KD2KEH	FN02OX	125
VA3CBN	EN92IW	121
KD9NFY	EM69TL	116
K6KTS	DM13JP	112
KG5UFR	EM12NW	110
KC2KWA	FM05PL	108
KI5JOE	EL09UN	107
KR2D	FN20PX	107
KD9OIN	EN51TS	104
W9GPB	EM46SR	104
N1ADX	FN42EG	100
KA5PMV	EM26AQ	90
AC5H	EL29LL	81
KJ6KCG	DM14IG	81
K2HYD	FM08MI	81
KN6BAZ	CM97AH	81
KC1NEJ	FN41JN	80
W1KOK	DM04RB	79
WD5ABC	EM23BD	76
N3RTW	FM18JS	75
AA2AD	FN01EW	74

Apr 2024 SEQP: All Single-Op Scores (cont.)

N0IM	DM69EN	74
KC4DV	FM18GR	64
N0HDR	EN35HJ	64
VE3KMQ	FN03BH	64
K3LO	FM19JB	62
N4THC	EM15GJ	60
KD4QMY	EM82DV	49
N4ZQA	FN18GU	49
K9JPP	EN52LF	36
KL4E	EM96WE	33
KN7Y	DM43CK	32
W8AIT	EN82LL	28
VE7BGP	CN79XF	28
ON7ET	JO20LO	27
WA3AFS	FN32AO	26
W0DCN	EN41RM	25
WB2KWC	FN30GQ	23
N0JNM	EN34JW	20
KN6SLR	CN90WB	16
KC3TIG	FN20LD	16
KC3YFD	FN20NT	16
KG8LD	EN72VX	16
EA3EE	JN01SJ	15
AE0EE	EN34IU	13
WA5CKF	EM12MT	12
W5DT	EN82JM	10
AC4ID	EM93IS	9
KC3VUO	FN00FO	9
N5WDX	EM65SN	6
WA5AZQ	EM10AH	4

Apr 2024 SEQP: All Single-Op Scores (cont.)

AJ4D	EM70VM	4
KE2CZM	FN31HC	4
KJ7YYI	DM44FJ	4
KM6DKE	CM87TF	4
N6NEU	CM87VK	2
AI1G	FN42DE	1
NM9X	EM83XB	1

Apr 2024 SEQP: All Multi-Op Scores

Callsign (Operators, if specified in the log)	Grid	Total Score
K0AJW - Souris Valley ARC (Op N0RDF)	DN98IB	85,840
WO1N (Ops WO1N, N1KLK)	FN34WJ	49,425
W3USR - University of Scranton ARC	FN21EJ	29,362
N0GJW	EN41MM	19,430
W2OW - Binghamton ARA (Ops KE2CIO, NN2K, W2MR, N3ALC)	FN12XA	14,801
K2OMD - Overlook Mountain ARC	FN31AU	13,038
W2NPT - Fair Lawn ARC	FN20XX	4,998
W2DQ - Suffolk County RC (Ops WB2NFL NG2S N2XDD KD2MRN)	FN30OT	4,916
K4OGB - Stanly County ARC	EM85WI	4,497
N1SOH (Ops N1SOH W1FM)	FN42IL	1,681
W1FM (Ops W1FM N1SOH)	FN42IL	1,506
KW9Q (Ops KW9Q WG0ATS)	EN40KJ	1,365
KR8E (Ops KR8E, KC8TDS)	EN80NR	964
W8EDU - Case ARC (Ops KE8ZCA KC3WAM WB2SGR KJ5DJE)	EN91EM	806
W2AMC - Peconic ARC	FN31SB	729
KF4DTL - Jackson County ARS (Op KL4RL)	EM85JH	592

Apr 2024 SEQP: Check Logs

‘Check Logs’ are from participants who participated in the contest, adding to the data collected, but who chose not to enter the scoring competition. Their efforts are appreciated and recognized here.

KN4J (2 logs)
NC6Q
VE1UW
W1S
W3SA

Credits

Events like the SEQP don't happen without significant volunteer efforts. HamSCI would like to recognize:

Ed Efchak, WX2R: HamSCI's Public Information Officer

McKenzie Denton, KO4GLN: Publicity, Social Media

Adarsh Pashikanti, KN6VIS: SEQP log scoring analysis

Bruce Horn, WA7BNM and the WWROF: SEQP Log Robot/Uploader/Certificates

Nathaniel Frissell, W2NAF: HamSCI Founder (2016), Creator of the SEQP concept (2017), and, to this day, HamSCI Lead.

Weekly SEQP Telecon attendees, many of whom authored articles or took the HamSCI FoEIS message far and wide, appearing on podcasts, in YouTube videos, and speaking to clubs and organizations around the US, Canada and beyond.

We recognize NASA, for awarding to HamSCI, grant 80NSSC23K1322, 'Solar Eclipse QSO Party 2.0: Amateur Radio Citizen Science to Study the Ionospheric Effects of the 2024 American Total Solar Eclipse'

Further, we recognize the support of many partners:

