Results for the April 8, 2024 Gladstone Signal Spotting Challenge

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

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Introduction

The Gladstone Signal Spotting Challenge was planned to be a fun, friendly competition with a serious purpose: Amateur radio operators and short wave listeners operated beacons and set up receiving sites using WSPR, FST4W and Morse Code (CW). (These activities are commonly referred to as 'spot generation', 'spot collection' and the resulting data, 'spots'.)

The spots generated and collected by GSSC participants will be used in scientific studies exploring the reaction of the Earth's ionosphere to the 2024 total solar eclipse passing over North America. Ideally, the studies will lead to a better understanding of the interactions between the Sun, the ionosphere, and radio wave propagation. That research should benefit hams, professional broadcasters, satellite operators, and many other users of the radio spectrum. More informations is at hamsci.org/eclipse .

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GSSC by the Numbers - April 8, 2024

Participant Data

Scored Entrants	122
Total Reception Reports	31,923
Total Transmission Reports	147,479
Band Activity Reported	160 - 6 Meters

Thank You to all of the participants who dedicated their time, expertise and equipment to generate research-worthy propagation data during the day of the total eclipse across North America!

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GSSC by the Numbers - April 8, 2024

GSSC scoring data was extacted from three on-line databases: PSKReporter.info, reversebeacon.net and WSPR.live. HamSCI is indebted to the creators and maintainers of those databases.

The databases are quite large, and for eclipse day, the following illustrates just how large they were:

PSKReporter.info: **101,999,062 records**

(Raw data for the period 8-9 Apr 2024, 1000-0200 UTC, from which the GSSC data was extracted for the 10-hour event time period, 8 Apr 2024, 1400-2359 UTC)

ReverseBeacon.net **325,014 records**

(Raw data for the GSSC 10-hour event time period, 8 Apr 2024, 1400-2359 UTC)

WSPR.live contains *billions* of records.

Downloads were done on a per-callsign basis - a complete download of the 10-hour contest period was beyond the capabilities of the GSSC scorer!

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GSSC by the Numbers - April 8, 2024

GSSC entrants were well represented on a geographic basis. The following US states, Canadian provinces and DXCC entities can be found in the scores.

AL
AR
AZ
CA
CO
CT
DC
DE
FL
IL
IN
MA
MD
ME
MI
MO
MS
NC
NH
NJ

NM
NY
OH
PA
RI
SC
TX
VA
VT
WA
WI
BC, Canada
ON, Canada
PEI, Canada
QC, Canada
Brazil
Germany
Great Britain, UK
Reunion Island
Scotland, UK

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Apr 2024 GSSC: Top Scorers

Receive-Only Entrants:

Callsign	Grid Square	WSPR Rx Bands	WSPR Rx Reports	FST4W Rx Bands	FST4W Rx Reports	Final Rx Score
N2YCH	FN31jg	160,80,40,30,20,17, 15,12,10,6	31,179	80,40,30,20,15,12, 10	623	39,753
NJ0U	EN71ib	40,30,20,17,15,12	26,002		0	26,002
VE3KI	FN25ce	80,40,20,15	16,544	80,40,20,15	392	23,287

Transmit-Only Entrants:

Callsign	Grid Square	WSPR Tx Bands	WSPR Tx Reports	FST4W Tx Bands	FST4W Tx Reports	Final Tx Score
K6XX	CM87vd	160,80,40,30,20,17, 15,12,10,6	144,323		0	166,693
N1QM	EM79xr	80,40,30,20,17,15, 12,10,6	128,575		0	128,575
VA2CY	FN46lw	40,20,17,15,12,10	49,056	80	3,156	75,381

Transmit+Receive Entrants:

Callsign	Grid Square	Final Rx Score	Final Tx Score	Final Combined Score
PT2FHC	GH64cg	20,934	7,018	27,952
AI5MM	EM34NP	59	26,655	26,714
K7NC	CN87sm	164	26,067	26,231

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Apr 2024 GSSC: Rx Scores

Callsign	Grid Square	WPSR Rx Bands	WSPR Rx Reports	FST4W Rx Bands	FST4W Rx Reports	CW Rx Reports	Final Rx Score
N2YCH	FN31jg	160,80,40,30,20,17,15,12,10,6	31,179	80,40,30,20,15,12,10	623	0	39,753
NJ0U	EN71ib	40,30,20,17,15,12	26,002		0	0	26,002
VE3KI	FN25ce	80,40,20,15	16,544	80,40,20,15	392	0	23,287
PT2FHC	GH64cg	80,40,30,20,17,15,12,10	14,244	80,40,20,17,15,12,10	256	0	20,934
W1WRA	FN42fx	160,80,40,30,20,17,15,12,10	19,723		0	0	19,723
W3OA	EM95mn	160,80,40,30,20,17,15,12,10	14,160		0	2528	17,522
VE3OUO	FN25IM	40,20	8,447		0	0	8,447
KE8UZF	en83da	20	7,716		0	0	8,102
K9EI	EM69qf	40	6,296		0	0	7,272
KB2YSI	FN22fu	40	6,846		0	0	7,188
WC2L	FN32bs	20	6,417		0	0	6,417
AF8A	EN91gn	40	6,271		0	0	6,271
K3AM	EN80LA	20	6,201		0	0	6,201
VB3R	FN05gk	160,80,40,20,15	5,302		0	0	6,124
N4LKB	FM18iq	40	5,920		0	0	5,920
N3XAV	FN00GH	20	5,538		0	0	5,538
AI6LY	CM97ab	20	4,683		0	0	5,409
N8BTR	EN62bx	80,40,30,20,17,15,12,10	5,155		0	0	5,155
KE5RZL	DM78qx	20	5,117		0	0	5,117
VE7IRN (RX)	CO90ob (RX)	40,30,20	4,531	NIL	0	0	4,984

Apr 2024 GSSC: Rx Scores (cont.)

Callsign	Grid Square	WPSR Rx Bands	WSPR Rx Reports	FST4W Rx Bands	FST4W Rx Reports	CW Rx Reports	Final Rx Score
AJ0WX	EN82KN	80,40,20,15	3,868		0	0	4,255
KC3TFQ	FM29cs	20	4,138		0	0	4,138
KM4RK	EM93td	20	4,134		0	0	4,134
N1OG	FN42ft	20	3,445		0	0	3,979
N5MU	EM10dr	20	3,345		0	0	3,345
VE3MNA	EN95eg	160,80,40,30	3,184		0	0	3,184
AB8FJ	EM79ug	10	2,982		0	0	2,982
KG6NFJ	EM79wp	20	2,943		0	0	2,943
W3LDB	FM19lb	20	2,518		0	0	2,908
KC9OJV	EN51wu	20	2,551		0	0	2,551
KD8JBG	En62vv	40,30,20,17,15,12,10	2,475		0	0	2,475
VA3JSF	FN24iu	20	2,116		0	0	2,444
N5JDT	dm72av	160,80,40,20,15,10	2,418		0	0	2,418
VY2EK	FN86ck	40	2,404		0	0	2,404
K2TAV	FN33il	80,40,30,20,17,15,10	2,291		0	0	2,291
VA3POR	FN03FO	40	1,974		0	0	2,280
N3ILS	FN20dc	40,30,20,17,15,12,10	2,268		0	0	2,268
WC3B	FN10qx	30,20,15	2,165		0	0	2,165
KE7Z	CN88fc	15	2,087		0	0	2,087
KC1NID	FN42gr	40,20,12	2,081		0	0	2,081

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Apr 2024 GSSC: Rx Scores (cont.)

Callsign	Grid Square	WPSR Rx Bands	WSPR Rx Reports	FST4W Rx Bands	FST4W Rx Reports	CW Rx Reports	Final Rx Score
WB9ICF	EN52us	20	1,842		0	0	1,842
N8JCX	EM79on	30	1,838		0	0	1,838
N6REK	DL98os	20	1,777		0	0	1,777
W4BFZ	EN61eu	20,17,15	1,683		0	0	1,683
VE3VPT	F25ig	80,40,30,20,17,15,12,10	1,603		0	0	1,603
KC3BTV	FM29eg	40,30,20	1,413		0	0	1,554
KF5PFP	EM12mt	40,30,20,17,15,12,10	1,463		0	0	1,463
KD0YTE	EN30qf	80,40,20	1,411		0	0	1,411
AE4WX	FM05fg	10	1,130		0	0	1,305
VE3GGR	FN03ge	80,40,30,20,17,15,12,10	1,045		0	0	1,207
KD2ZPL	FM29ur	80,40,20,15,10	1,042		0	0	1,204
KD6E	DM06dv	40,12,10	1,165		0	0	1,165
N5DCH	DM64pt	40	1,139		0	0	1,139
WB2FQL	FN32an	12	962		0	0	1,058
KC3RBB	FN20is	80,40,20,17,15,12,10	913		0	0	1,055
NO5V	EL15gw	40,20,15,10	1,047		0	0	1,047
KA2YRA	FN22ad	20	1,045		0	0	1,045
W2XH	FN42kj	80,40,30,20,17,15,12,10	988		0	0	988
N1ASA	FN41im	80,40,20,15,10	848		0	0	979
KI6X	DM13bt	40	803		0	0	927

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Apr 2024 GSSC: Rx Scores (cont.)

Callsign	Grid Square	WPSR Rx Bands	WSPR Rx Reports	FST4W Rx Bands	FST4W Rx Reports	CW Rx Reports	Final Rx Score
K0TH/5	EM35rv	40,20,17,15,10	803		0	0	927
K4GUS	CN97bn	40,20,17,15,12,10	920		0	0	920
KE2CNS	FN31ch	160,80,40,30,20,17,15, 12,10	751		0	0	867
N0ECK	EM34kl	20	862		0	0	862
KB1HFP	FN43ma	20	818		0	0	818
KI5DZY	EM10cf	20	786		0	0	786
KE2AFE	Fn23va	80,40,30,20,15,10	718		0	0	718
K4DMN	EM46ts	30,20	555		0	0	641
KA1LM	FN33kx	10	501		0	0	579
KD1TD	FN44uc	12	572		0	0	572
WB4HUX	EM12sv	40	548		0	0	548
KO3F	FM19pg	20,17,15	474		0	0	547
N4ML	EM22QU	15	464		0	0	464
WP4BQV	IO94fd	20	294		0	0	340
KA3TTT	FM29KW	40	297		0	0	297
VA3IHG	FN03jf	40,20	291		0	0	291
VE3RRH	FN02ix	20	253		0	0	253
K7NC	CN87sm	20	149		0	0	164
VA3VWX	FN35vg	20	109		0	0	109
WQ5L	EM50jl	80	104		0	0	104

Apr 2024 GSSC: Rx Scores (cont.)

Callsign	Grid Square	WPSR Rx Bands	WSPR Rx Reports	FST4W Rx Bands	FST4W Rx Reports	CW Rx Reports	Final Rx Score
KE8NAL	EM79wp	12	93		0	0	93
KQ4AZN	EM57bl	20	61		0	0	61
AI5MM	EM34NP	15	51		0	0	59
M1CNK	IO90HX	15,10	41		0	0	47
N9DK	CM87wj	40,20,15,10	36		0	0	40
AE5FL	EM11fs	40	37		0	0	37
KO4NAP	FM03rv	20	32		0	0	32
N6REP	EM13ve	160	10		0	0	11
DJ3EI	JO62sk	17	2		0	0	2

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Apr 2024 GSSC: Tx Scores

Callsign	Grid Square	WSPR Tx Bands	WSPR Tx Reports	FST4W Tx Bands	FST4W Tx Reports	Final Tx Score
K6XX	CM87vd	160,80,40,30,20,17,15,12,10,6	144,323			166,693
N1QM	EM79xr	80,40,30,20,17,15,12,10,6	128,575		0	128,575
VA2CY	FN46lw	40,20,17,15,12,10	49,056	80	3,156	75,381
W3USR	FN21ej	80,40,30,20,15,12,10	54,614		0	54,614
AE4PE	EM85mm	20,15,10	39,634		0	45,777
AI5MM	EM34np	80,40,20,15,10	23,078		0	26,655
K7NC	CN87sm	80,40,20,15,10	23,697			26,067
VA3KV	FN02lx	40,15,12	16,471		0	19,024
K1PH	FN32uw	40,20,15,12,10	17,860		0	17,860
N1OG	FN42ft	80,20,15	15,299		0	17,670
VE3VPT	F25ig	80,40,30,20,17,15,12,10	16,585		0	16,585
VE7KW	CN89ph	30,17	13,917		0	16,074
KD2ZPL	FM29ur	80,40,20,15,10	13,409		0	15,487
KI5DZY	EM10cf	80,20,15,10	14,428		0	14,428
VA3KVB	FN03ib	80,20,10	12,492		0	12,492
N1PCZ	EM57jo	40,20,12,6	10,346		0	11,950
KE7Z	CN88fc	30,20,17,15,12,10	10,747		0	10,747
KQ4AZN	EM57bl	20	10,370		0	10,370
WB9ICF	EN52us	80,20,15,10	10,339		0	10,339
N3ILS	FN20dc	17,15	9,649		0	9,649

Apr 2024 GSSC: Tx Scores (cont.)

Callsign	Grid Square	WSPR Tx Bands	WSPR Tx Reports	FST4W Tx Bands	FST4W Tx Reports	Final Tx Score
NO5V	EL15gw	40,20,15,10	9,509		0	9,509
KC3RBB	FN20is	160,80,40,20,17,15,12,10	7,734		0	8,933
K8PT	FM29ix	80,40,30,20,17,15,12,10	7,768		0	7,768
WB0OEW	DM42ki	10	6,509		0	7,160
PT2FHC	GH64cg	40,30,20,17,15,12,10	4,861		0	7,018
KN4WNC	EL98gq	80,40,30,20,17,15,12,10	6,682		0	7,016
N8JCX	EM79on	30	7,007		0	7,007
KD0YTE	EN30qf	80,40,20,15,10	6,896		0	6,896
K8UTT	EN82jh	160,80,40,20,15,12,10	5,648		0	6,523
KC3BTV	FM29eg	40,30,20,10	5,712		0	6,283
KO4GQT	EL98gq	80,40,30,20,17,15,12,10	5,976		0	6,275
N4ML	EM22QU	40,20,15	6,227		0	6,227
KC9OJV	EN51wu	80,20,15,10	5,255		0	5,255
KB1HFP	FN43ma	40,20,10	5,071		0	5,071
WB8BCU	EM00	40,30,20,17,15,12,10	4,249		0	4,908
VA3IHG	FN03jf	40,20,15,12	4,901		0	4,901
FR1GZ	LG79rc	10	4,706		0	4,706
VE3GGR	FN03ge	80,40,30,20,17,15,12,10	4,058		0	4,687
2M0IJU	IO75sv	20	4,501		0	4,501
DJ3EI	JO62sk	17	4,440		0	4,440

Apr 2024 GSSC: Tx Scores (cont.)

Callsign	Grid Square	WSPR Tx Bands	WSPR Tx Reports	FST4W Tx Bands	FST4W Tx Reports	Final Tx Score
KY4KK	FM04be	40,20,10	3,824		0	4,417
KA2YRA	FN22ad	20,15,10	4,159		0	4,159
WR3K	CM97cf	20,17,15,12,10	3,459		0	3,995
N5DCH	DM64pt	40	3,914		0	3,914
KG4JSK	em56kx	40,30,20	3,186		0	3,680
AF1R	FN42jh	15	2,713		0	3,134
VA3JSF	FN24iu	40,15,10	2,627		0	3,034
M1CNK	IO90HX	15,10	2,579		0	2,979
KS6M	CM87vt	80,40,30,20,17,15,12,10	2,959		0	2,959
KI6X	DM13bt	40	2,465		0	2,847
WP4BQV	IO94fd	40,30,17,15,12	2,420		0	2,795
K4GUS	CN97bn	40,20,17,15,10	2,691		0	2,691
AE5FL	EM11fs	40	2,681		0	2,681
N4DPH	EM57ek	20,10	2,647		0	2,647
KO3F	FM19pg	40,15	2,291		0	2,646
AB8FJ	EM79ug	10	2,499		0	2,499
KC1IOP	FN34kl	80,40,20,17,15,10	2,118		0	2,446
K0TH/5	EM35rv	40,20	2,021		0	2,334
N5MU	EM10dr	20,10	2,169		0	2,169
KM4RK	EM93td	20	2,048		0	2,048

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Apr 2024 GSSC: Tx Scores (cont.)

Callsign	Grid Square	WSPR Tx Bands	WSPR Tx Reports	FST4W Tx Bands	FST4W Tx Reports	Final Tx Score
W2HMT	EL95us	20,15,10	1,753		0	2,025
N9DK	CM87wj	40,20,15,10	1,568		0	1,725
KE2AFE	Fn23va	80,40,30,20,17,15,12	1,682		0	1,682
VA3VWX	FN35vg	20	1,663		0	1,663
N0HR	EM46uw	40,30,20,17,15,12,10	1,227		0	1,417
KQ4NRO	EM64ko	20	1,313		0	1,313
VA3POR	FN03FO	40	1,051		0	1,214
N0ECK	EM34kl	20,10	1,213		0	1,213
KK5MR	EM13SL	20	1,197		0	1,197
KD1TD	FN44uc	12	1,076		0	1,076
KD6E	DM06dv	40,12,10	1,069		0	1,069
K2TAV	FN33il	80,40,30,20,17,15,10	1,027		0	1,027
VA7JDJ	CN89lf	15	916		0	1,008
WC2L/1	FN34ip	20	779		0	857
KD8JBG	En62vv	40,30,20,17,15,12,10	798		0	798
K4DMN	EM46ts	30	591		0	683
WC3B	FN10qx	30,20,15	601		0	601
WB2FQL	FN32an	12	519		0	571
KA1LM	FN33kx	10	405		0	468
KA3TTT	FM29KW	40	361		0	361

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Apr 2024 GSSC: Tx Scores (cont.)

Callsign	Grid Square	WSPR Tx Bands	WSPR Tx Reports	FST4W Tx Bands	FST4W Tx Reports	Final Tx Score
KF5PFP	EM12mt	40,20,17,15,10	340		0	340
N1ASA	FN41im	20,10	227		0	262
N6REP	EM13ve	160	76		0	84
WQ5L	EM50jl	80	68		0	68

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Credits

Events like the GSSC 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

Nathaniel Frissell, W2NAF: HamSCI Founder (2016), Creator of the SEQP concept (2017) (which morphed into two events, the SEQP and GSSC), 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.

The Gladstone Signal Spotting Challenge is named for **Philip Gladstone, N1DQ**, the creator and maintainer of the PSKReporter.info website, also known as the Digimode Automatic Propagation Reporter. Philip has made a tremendous contribution to Amateur Radio operating, citizen-science and ionospheric research through the data ('spots') which are collected and stored on PSKReporter.info. This Wikipedia entry tells the story: https://en.wikipedia.org/wiki/PSK_Reporter

'Thank You' to our partners:

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Sampling of Photos From Entrants

VA3KV

KN4WNC

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Sampling of Photos From Entrants

VE3VPT

AI5MM
(At totality)

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Sampling of Photos From Entrants

VA3KVB

KO4GQT

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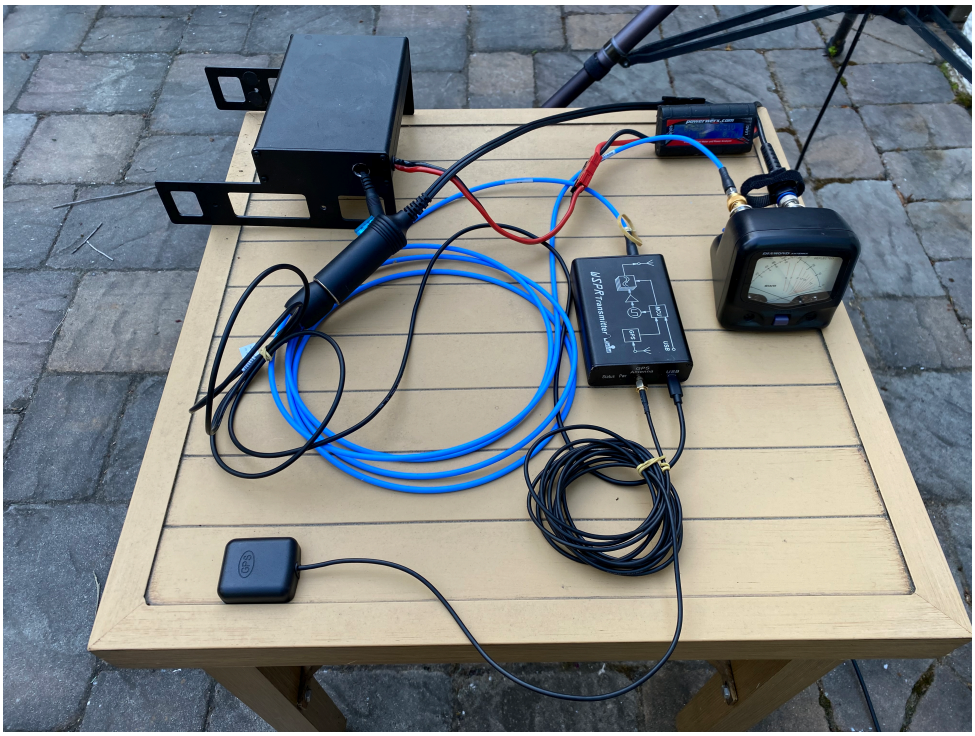
Sampling of Photos From Entrants

WR3K



N6REL

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Sampling of Photos From Entrants

N0ECK

KG4JSK

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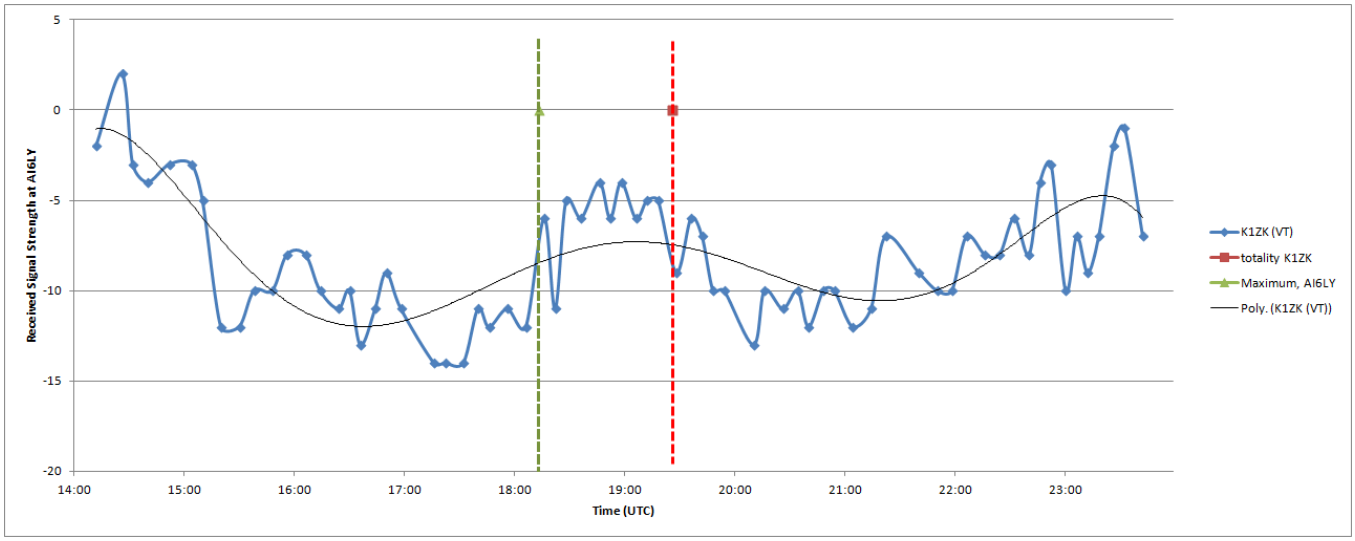
Sampling of Photos From Entrants

W9TCV



AI6LY (California) Rx
Plot of K1ZK (Vermont)

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Sampling of Entrant Comments

Callsign	Comments
AB8FJ	QRPp 100mw on 30 meters using end-fed random wire up 15 feet pointed North.
AE5FL	I transmitted at 100% from 1000 to 1332. Unfortunately I miscalculated the required power for my radio and the battery died 5 mins before totality. Great event thank you!
AJ0WX	Had home station on WSPR for the eclipse. I drove to see totality in Terre Haute, IN
K1PH	Running WSPR on 80/40/20/15/10 meters, 20 watts using IC-7610 to sloping end fed half wave aprox 35 ft high at one end other end at 10 ft, software WSJT-X v 2.5.3 69f9ec
K2TAV	Lots of fun! first time participant.
K3AM	Antenna was a 20m inverted-v dipole with a feedpoint ~20 ft up in a tree. An FT-450D transceiver was used, connected to a signalink, which fed audio data to my WSJT-X 2.6.1 decoder running on a windows 10 PC.
K4GUS	I hope that my WSPR transmissions from the Pacific NW during this event provide helpful data to learn about the effects of the Eclipse. I also hope that you will be sending out a notice when your research findings are published. 73 de K4GUS.
K8UTT	The Ford Amateur Radio League, one of the clubs for Ford Motor Co employees, set up a portable station in the parking lot of one of our office buildings and ran a WSPR station at 1W. We had active employees and retirees set up and run the station.
KA2YRA	Glad to participate. Thank you for all you're doing to advance our understanding of the universe near and far.
KB2YSI	This is the only part of the eclipse that worked for me, hopefully the spots were helpful.
KC3RBB	Had a blast participating in this, thanks for the exciting day!
KC9OJV	Great fun watching things unfold on 20 meter WSPR!
KE2AFE	Antenna station/equipment photos forthcoming. Antenna was Chameleon MPAS 2 and radio was Flex-6700 running SmartSDR v3.3.33
KE5RZL	CHAMELEON ANTENNA F-Loop 2.0, indoor use (sorry), QRPGuys AFP-FSK Digital Transceiver III, Audio-Technica ATR2x-USB 3.5mm to USB Audio Adapter
KE8NAL	Neat research opportunity.
KM4RK	First time doing this during an eclipse. Frequent user of WSPR however
KQ4NRO	I ran a WSPRLite Beacon on 20m in Jackson, MO (totality) and Trinity, AL (92%)
KY4KK	I operated both transmitters at 20 mW. Both were using a Chelegance MC-750 vertical. On 20 meters, it was a tuned 1/4 wave. On 40 meters, the antenna was the same but with a 40 meter coil. Will send configuration diagrams to hamsci. Both transmitters operated continuously at least 12 hours before and after the duration of the event.
N0HR	This was great fun - thanks for putting in the effort to sponsor this event. I saw the SEQP/GSSC presentation at HamCation, then gave a presentation on the Solar Eclipse QSO Party and GSSC to our local club in Ames, Iowa. A group of us made the trek to Southern Missouri to get on the air in both the QSO Party and GSSC from several sites. Hopefully, our data is useful. I also enjoyed explaining to coworkers and friends why I was taking a vacation day to "do science" :) This initiated some interesting conversations - I don't think I've explained the basics of radio propagation quite as frequently as I have this week. 73 Pat Rundall NØHR

Sampling of Entrant Comments

Callsign	Comments
N1ASA	Operated at All Saints STEAM Academy, grade K-8, and turned WSPR data collection / analysis into a project for the middle school students. Took a quick break from WSPR and made a successful 20M SSB contact between our 3rd grade teacher Gretchen and her dad Joe W8SKY in OH as the eclipse was taking place. The kids loved it.
N1PCZ	Directly in the path of totality, broadcasting WSPR, 40m, 5W from 10AM until 4PM, Central Time. I'm far more interested in any science gained from this than winning any points. So I'd love to hear back any results.
N1QM	Participated in a contest and experienced an eclipse with the family in the same day. My wife also allowed the setup of a temporary antenna in the front yard for the contest; which goes against her rule #2 when it comes to antennas! Overall it was an epic day.
N4DPH	I ran a WSPRLite Beacon on 20m in Jackson, MO (totality) and Trinity, AL (92%)
N6REK	I had the joy of driving from Southern California to Eagle Pass, TX to witness this incredible celestial event. Even though we had mostly cloudy skies, the Powers That Be saw fit to part the clouds intermittently and during the minutes of totality, enabling me to get some pretty cool photographs. The clouds did actually enhance a number of the images of the eclipse.
N6REP	The LibreOffice Presenter (free PowerPoint) that i emailed was presented to my local ham radio club, W5NNI.
VA3KV	This activation used a Sotabeams WSPRlite Flexi on 40 meters, to a dipole at 50'.
VA3KVB	Transmitter used is a WSPRlite Classic on 20 meters using an 80 meter end fed antenna.
VA3VWX	Operated within the path of totality on a 285cm manpack antenna using 20 watts on WSPR on 20M. Within Totality - Baie-de-Magog Park
VB3R	Set up a remote WSPR receiver in Canada, on other side of eclipse path
VE3GGR	I ran my station from center of eclipse path in Niagara Ontario. I ran for 34 hours total from noon Eastern time on April 7 to 10 pm on April 8.
VE3MNA	A quick look at my reports on wsprnet.org showed a few minutes of reception on longer than expected paths. Looking forward to your results.
W2HMT	It seemed to me that my best contribution to science from here in FL would be to transmit WSPR on 20M and to measure signal strengths of beacons ranging between 2.5 and 50 MHz. I hope my contributions will be useful!
W2XH	Antenna is end-fed, approximately 75' in length. Radio is Xiegu G90. Most bands were okay, but 17m had some noise I couldn't filter out. To get a good baseline and ensure things were looking good, I monitored for some extra time on either side of the event. Thank you for coordinating this event!
W3USR	University of Scranton Radio Club: The HamSCI flagship station.
W4BFZ	Thanks so much for putting this together. I was grateful to be a part of the HamSCI event. Hopefully, all our data will come in useful.
WB4HUX	The WSPR received stations seemed to increase during totality at our location. Great Challenge! Thank you for organizing. My random wire antenna was inside the hotel room, so I'm glad I could hear other stations. My home QTH is in Alabama, and we travelled to TX to see the total eclipse
WR3K	This was both fun and educational, thanks for organizing.
KA3TTT	5 Watts into a stealth end-fed
KC1IOP	Eclipse totality duration was 3:12 starting at 19:26 UTC at the TX location.

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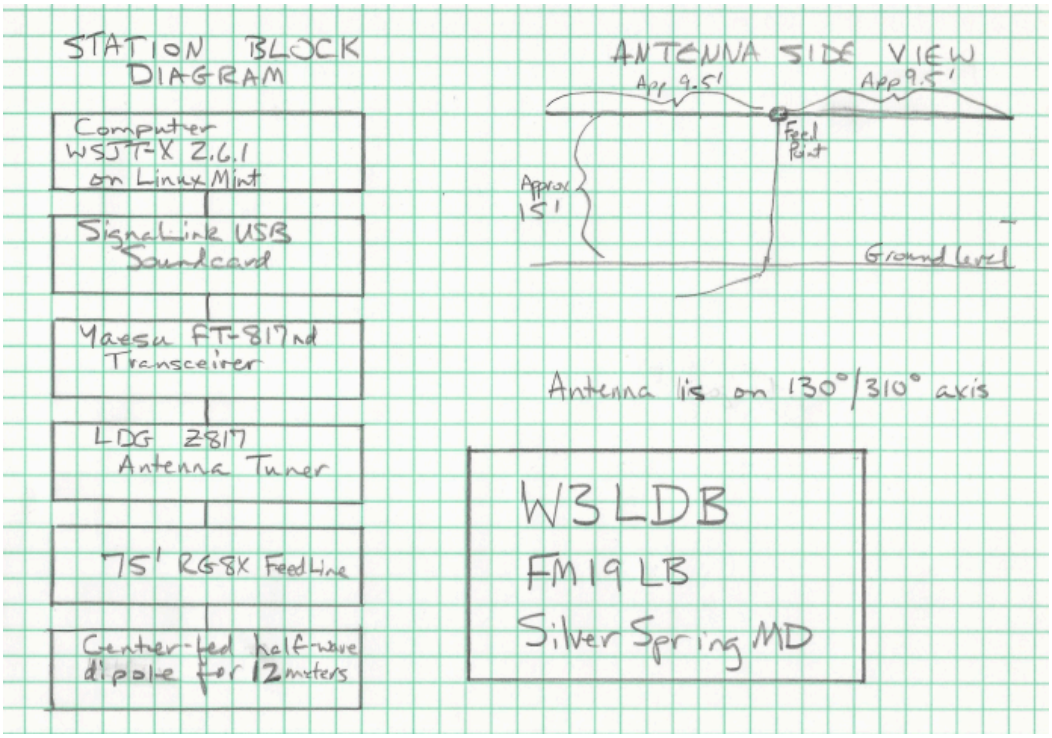
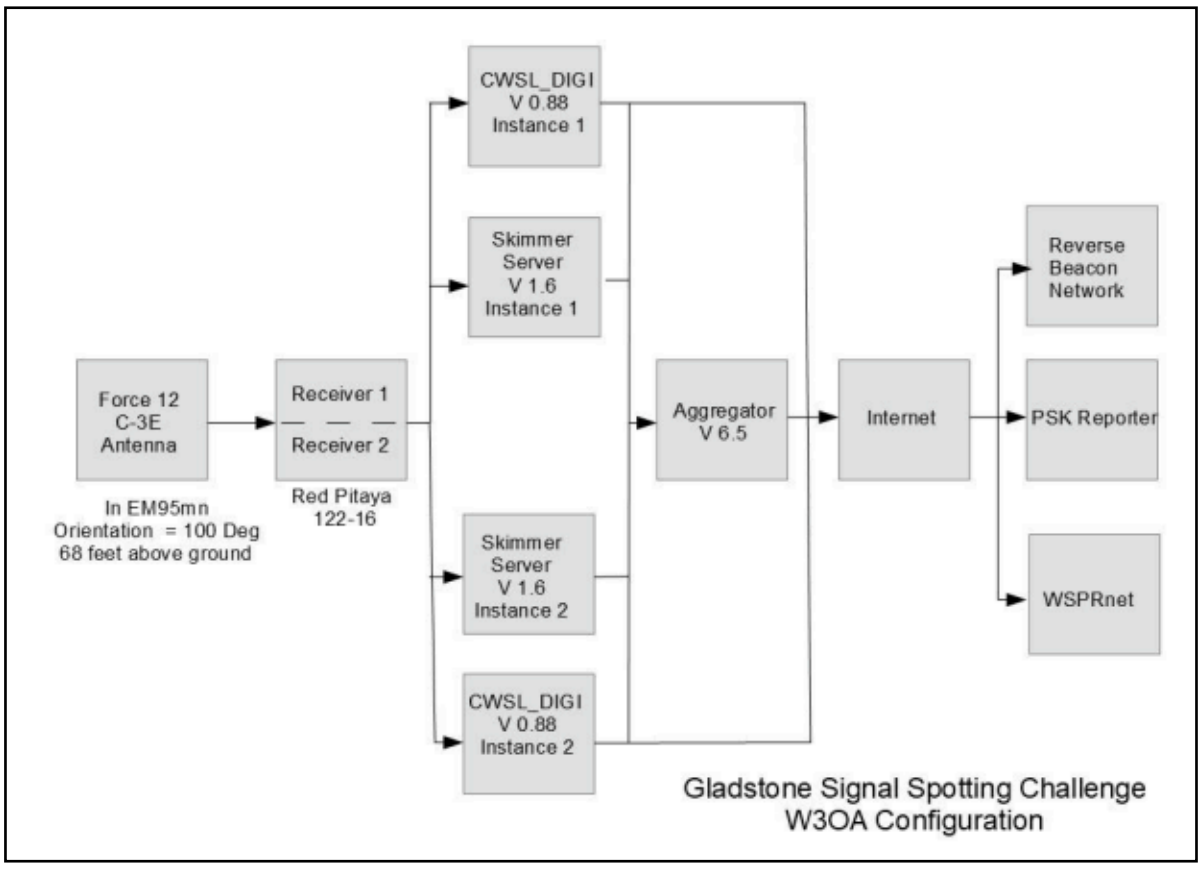
Sampling of Station Details



W3LDB



W3OA

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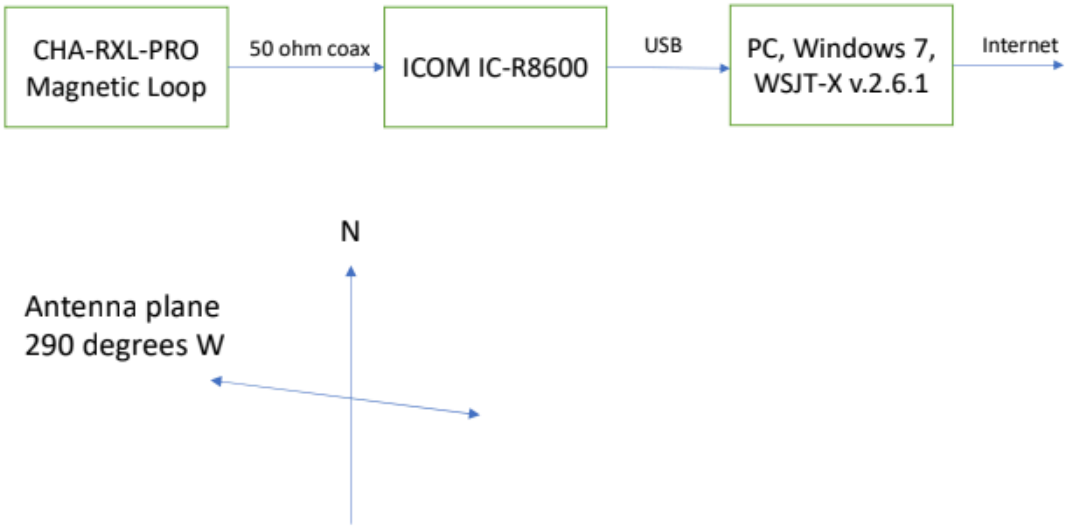
Sampling of Station Details

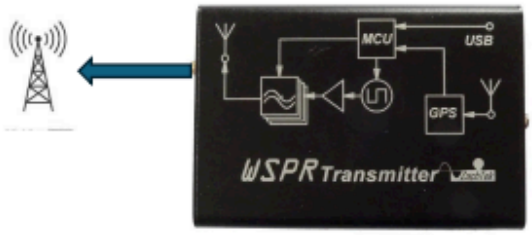
Chameleon CHA-RXL-PRO vertical magnetic loop receiving antenna, ICOM IC-R8600 communication receiver, WSJT-X v.2.6.1 running WSPR.



Loop antenna plane is 290 degrees West (that is, 20 degrees N of due West), oriented for minimum noise from nearby power lines, 20 feet above ground level.

KE2CNS

Tx Antenna
SOTAbeams 40m
EFHW on 10m mast



200mW Tx pwr

Tx Path

WP4BQV

WSPR reporter
SDRplay RSP2pro
RaspberryPi 4b
OpenWebRx
Tuned to 20m WSPR band

Rx Antenna
BuddyPole vertical
Loading coil set for 40m

Rx Path

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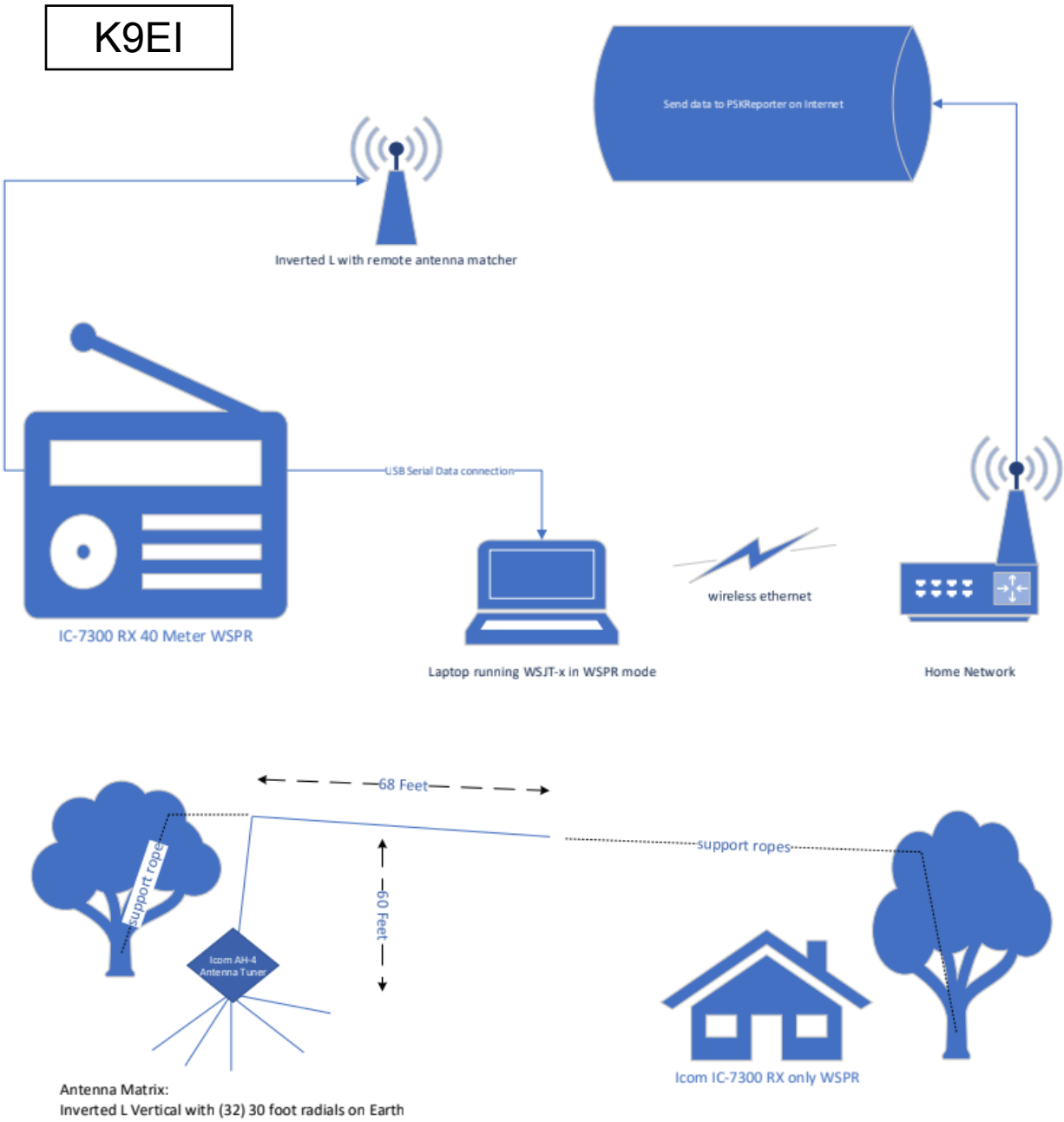
Sampling of Station Details



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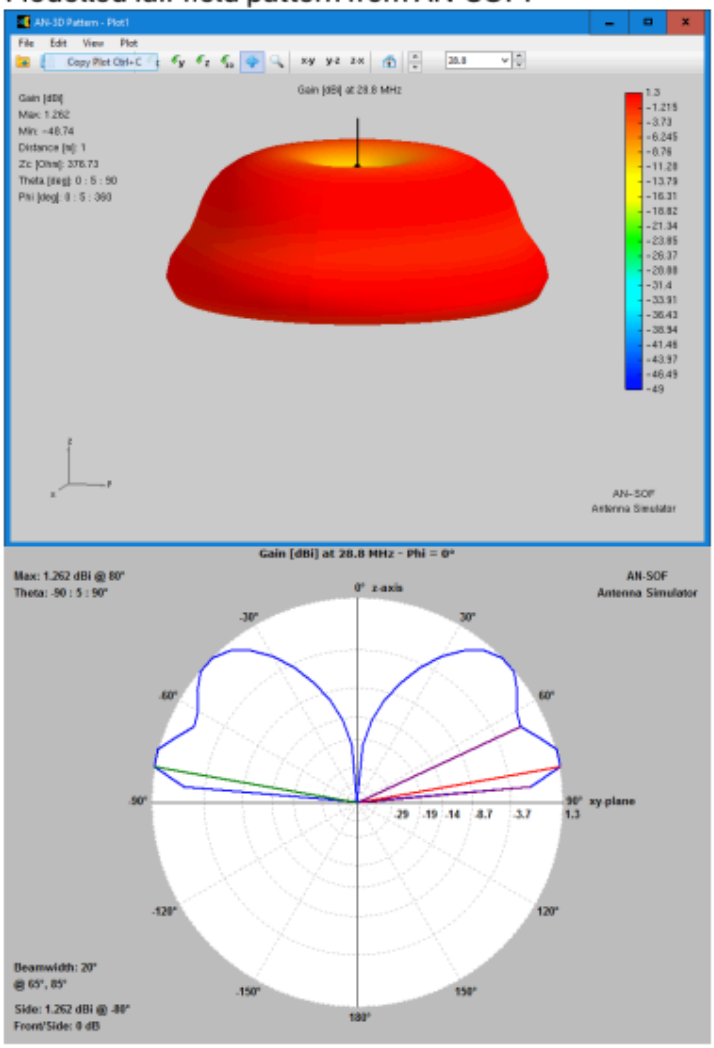
Sampling of Station Details

28MHZ
Vertical sleeved dipole made from RG58 coax with a Fair-Rite 2631803802 Type 31 2.4in OD core choking off the lower half of the vertical made from the coax outer. Antenna taped to a glass fibre fishing pole. Bottom of the antenna 5.5m above the ground.

Modelled fair field pattern from AN-SOFT



M1CNK

TX was a QRP-Labs QDX running about 4w with a Raspberry Pi4 running WSJT-X. It was run at 75% duty cycle so did contribute some RX as well.

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