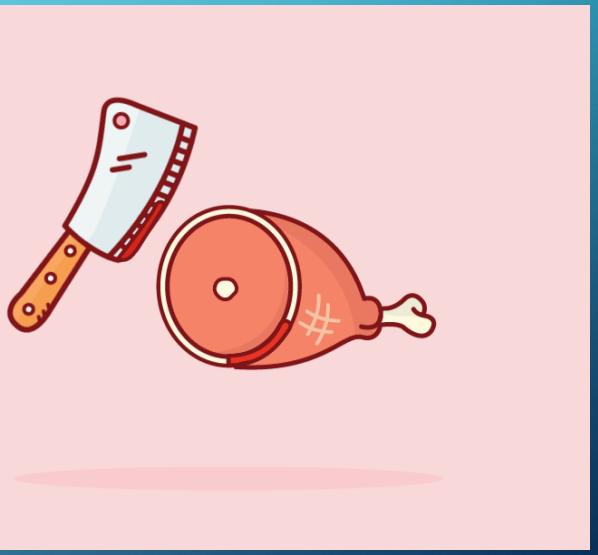
HAM MORSELS

TID BITS TO TEMPT YOUR AMATEUR RADIO APPETITE

SHOULD I PARTICIPATE IN THE SOLAR ECLIPSE QSO PARTY (SEQP)?



WHAT IS THE SEQP?

AN OPERATING EVENT SPONSORED BY HAMSCI BEFORE, DURING, AND AFTER THE SOLAR ECLIPSE ON 8 APRIL 2024

1400-2400 UTC (PARTIAL ECLIPSE BEGINS ~1710 UTC IN TEXAS AND ENDS ~2040 UTC IN MAINE)

WHY SHOULD I PARTICIPATE IN THE SEQP?

1. HAVE FUN CONTACTING AS MANY HAMS AS POSSIBLE!
2. GAIN EXPERIENCE OPERATING IN A CONTEST!
3. ASSIST WITH SOLAR RESEARCH BY PROVIDING IMPORTANT DATA USED BY SOLAR SCIENCE RESEARCHERS!

HOW DOES THE SEQP WORK?

- OPERATE ON160, 80, 40, 20, 15, 10, AND 6 METER BANDS USING THESE MODES: CW, SSB, DIGITAL (ALL VARIETIES)
- FOR DIGITAL MODES ENABLE UPLOADS TO PSKREPORTER
- LOG YOUR CONTACTS DURING THE EVENT AND SUBMIT A CABRILLO FILE (N1MM+ RECOMMENDED BUT ALL MODERN LOGGING PROGRAMS CAN GENERATE CABRILLO)

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QSO:  7030 CW 2017-07-20 2241 K2MFF          579  FN20 N3AO          599  EM97
QSO:  1816 PH 2017-07-20 2243 K2MFF          59   FN20 KC2LRC        59   FN13
QSO:  3590 RY 2017-07-20 2249 K2MFF          599  FN20 W1AW          599  FN31
QSO: 14070 PK 2017-07-20 2305 K2MFF          30   FN20 AD0AE         24   CM97
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SEQP SCORING

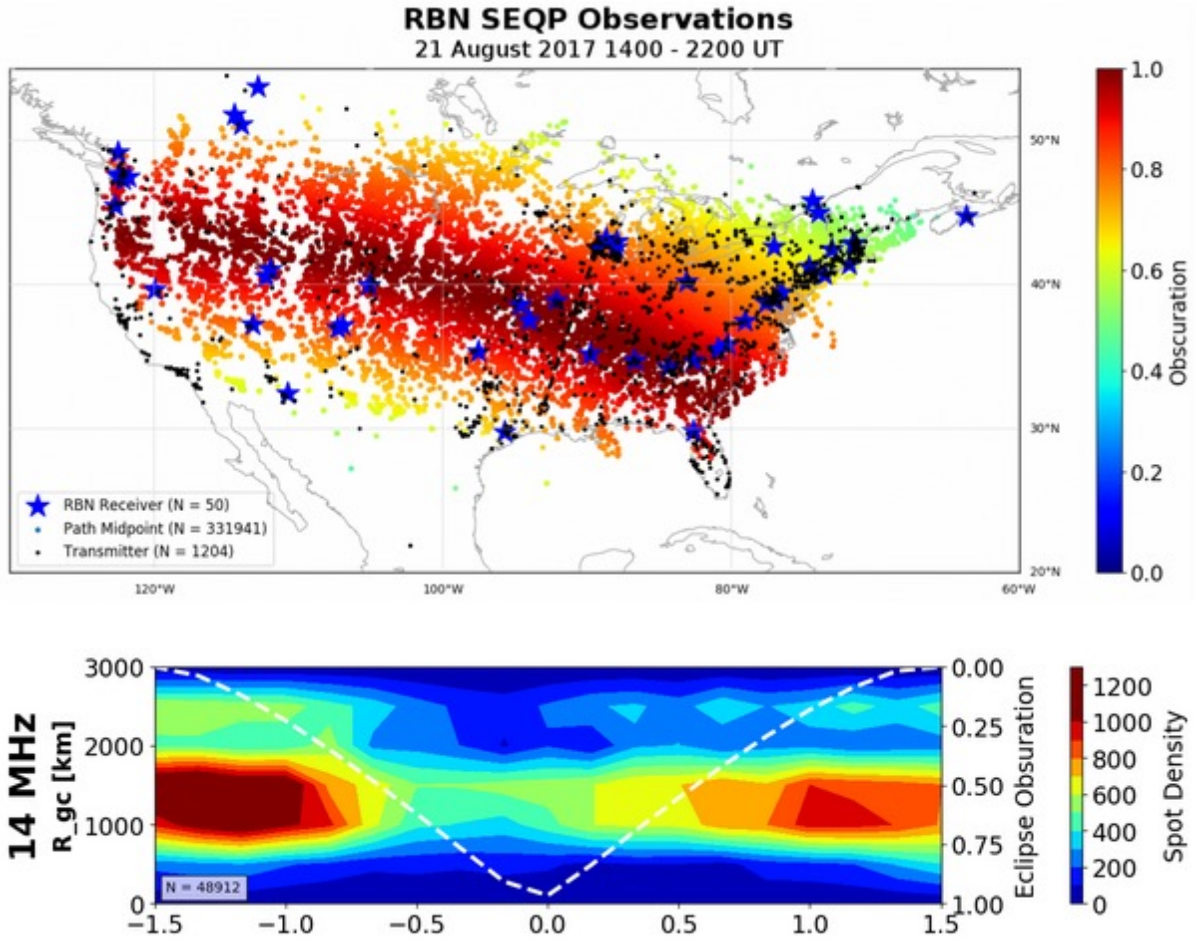
- QSO POINTS: CW AND DIGITAL QSOS, 2 POINTS EACH; SSB QSOS, 1 POINT EACH
- MULTIPLIERS: 4-CHARACTER GRID SQUARES, COUNTED ONCE PER BAND
- BONUS PTS: OPERATE DURING ECLIPSE, OUTDOORS, AT PUBLIC VENUE, UPLOAD PHOTOS/SYSTEM INFO, PROVIDE ERP, & MORE

WHAT HAPPENS NEXT

THE FINAL SCORE, INCLUDING BONUS POINTS, WILL BE CALCULATED BY THE HAMSCI DATA PROCESSING TEAM. CLAIMED SCORES ARE NOT REQUIRED TO BE ACCURATE. ENTRANTS AGREE THAT THEY HAVE FOLLOWED THE SEQP RULES TO THE BEST OF THEIR ABILITIES. ENTRANTS AGREE TO BE BOUND BY THE DECISIONS OF THE SEQP SCORING COMMITTEE.

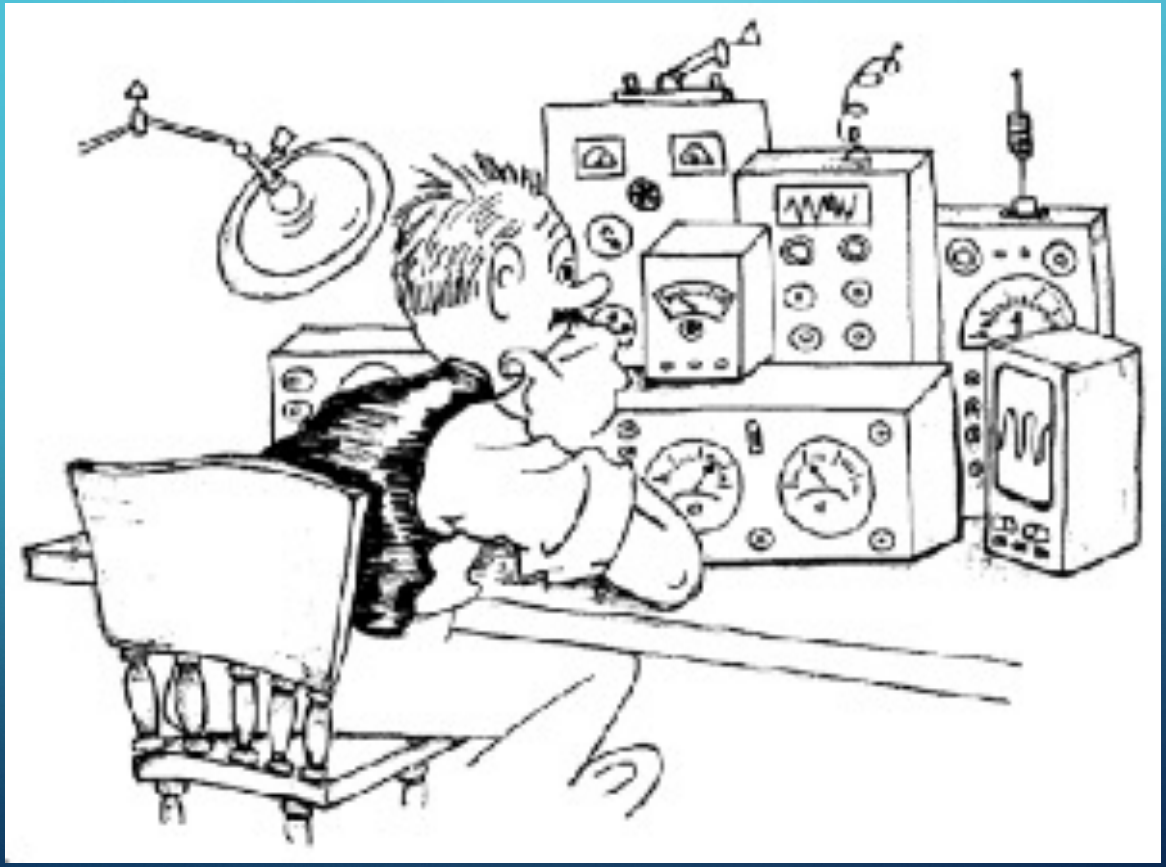
REFERRING BACK TO WHY

- THE HAMSCI DATA PROCESSING TEAM WILL USE THE DATA FROM CW SKIMMERS, PSKREPORTER, AND LOGS LOOKING AT QSO PATHS
- DATA INCLUDES SIGNAL REPORTS, GRID LOCATORS, TIME (POSITION OF ECLIPSE), ETC. WITH GOAL TO BETTER UNDERSTAND THE RELATIONSHIP BETWEEN THE SUN AND THE IONOSPHERE AND HOW IT AFFECTS PROPAGATION


RBN SEQP Observations
21 August 2017 1400 - 2200 UT
RBN Receiver (N = 50)
Path Midpoint (N = 331941)
Transmitter (N = 1204)
120°W
100°W
80°W
60°W
50°N
40°N
30°N
20°N
Obscuration
1.0
0.8
0.6
0.4
0.2
0.0
14 MHz
R_gc [km]
3000
2000
1000
0
N = 48912
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
Eclipse Obsuration
0.00
0.25
0.50
0.75
1.00
Spot Density
1200
1000
800
600
400
200
0

WHAT DO YOU NEED TO DO?

GO TO HTTPS://WWW.HAMSCI.ORG/SEQP-RULES

FOR MUCH MORE DETAILED INFORMATION ON CONTEST EXCHANGE, LOG AND SUPPLEMENTAL DATA SUBMITTAL, SCORING, ETC.

LET'S GET OPERATING!