

D-RATS TRAINING PART III

with
N4VIP, Don Hinsman

D-RATS Training Syllabus

- Installation & Configuration
- D-RATS Part I
 1. Chat & Files
- D-RATS Part II
 1. Messages
- D-RATS Part III
 1. Map
- D-RATS Part IV
 1. RF Segment With D-STAR Radios
 2. Trouble Shooting
 3. Resources

D-RATS Training – Part II

OVERVIEW

MAP

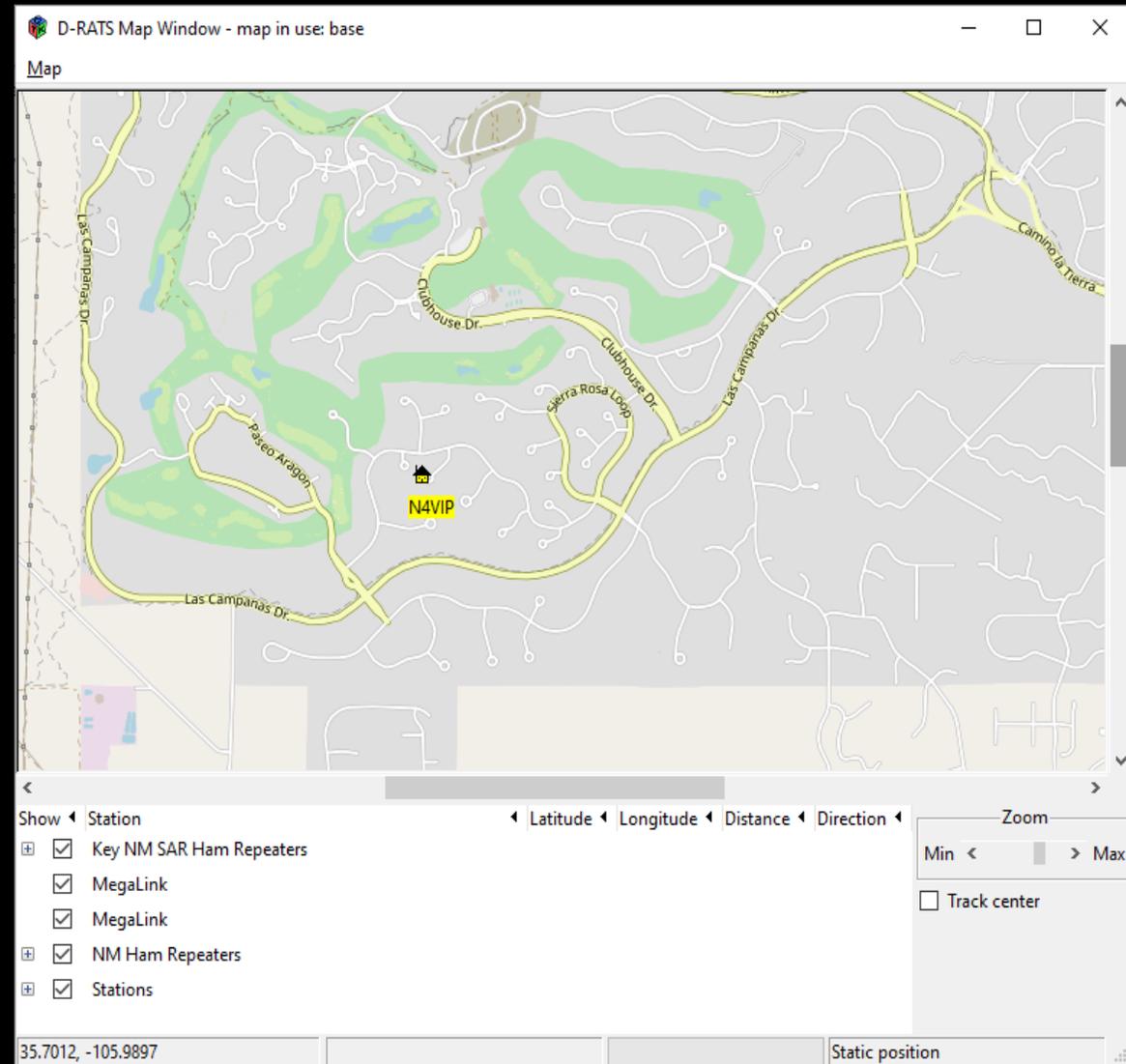
D-RATS Training – Part II

Map

Must define Base Map Storage Path
(Preferences>Paths)

Map (View, Map), drag as wide as possible
and height to your screen

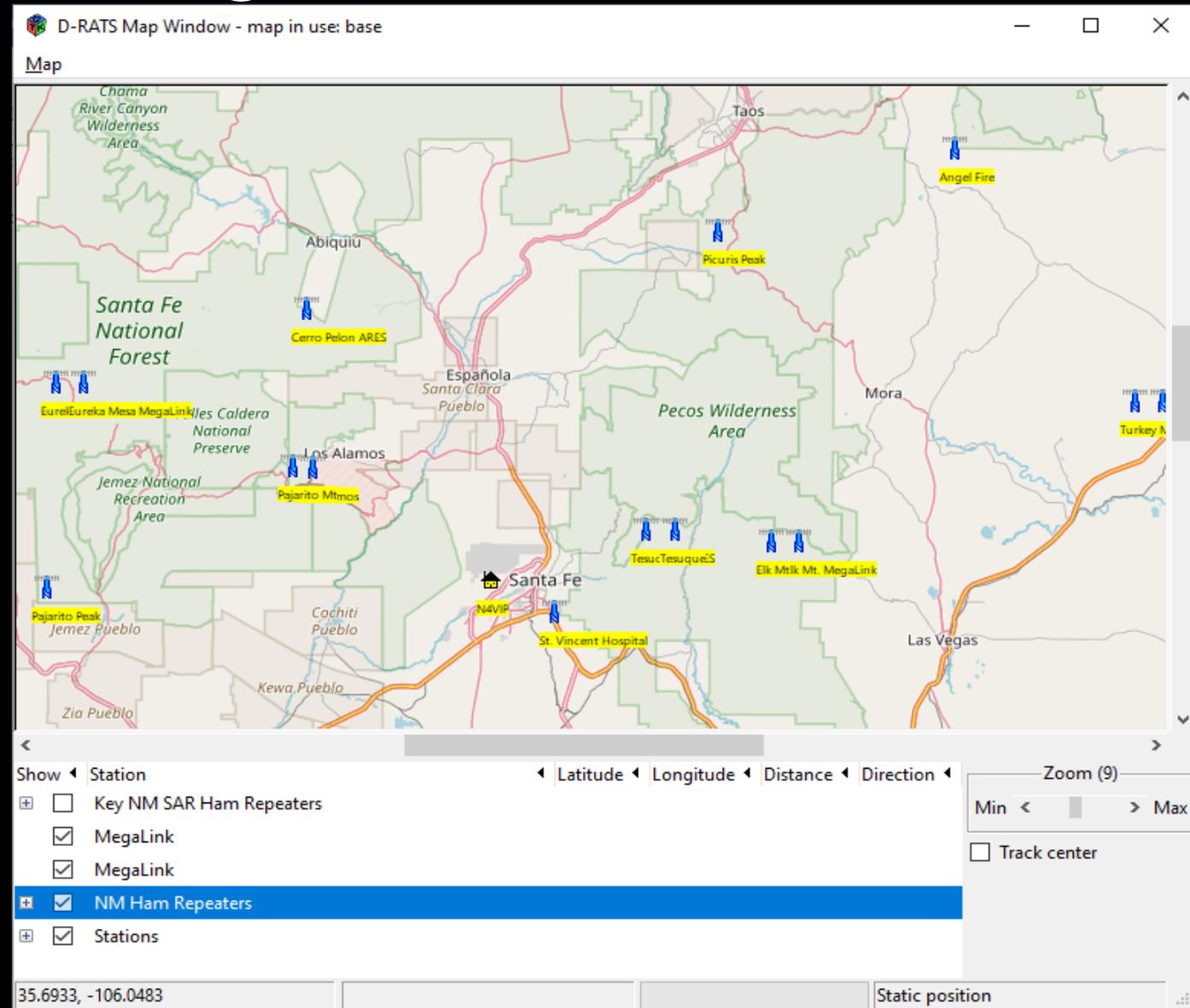
Note: Stations (My station N4VIP) selected
with zoom 14



D-RATS Training – Part II

MAP

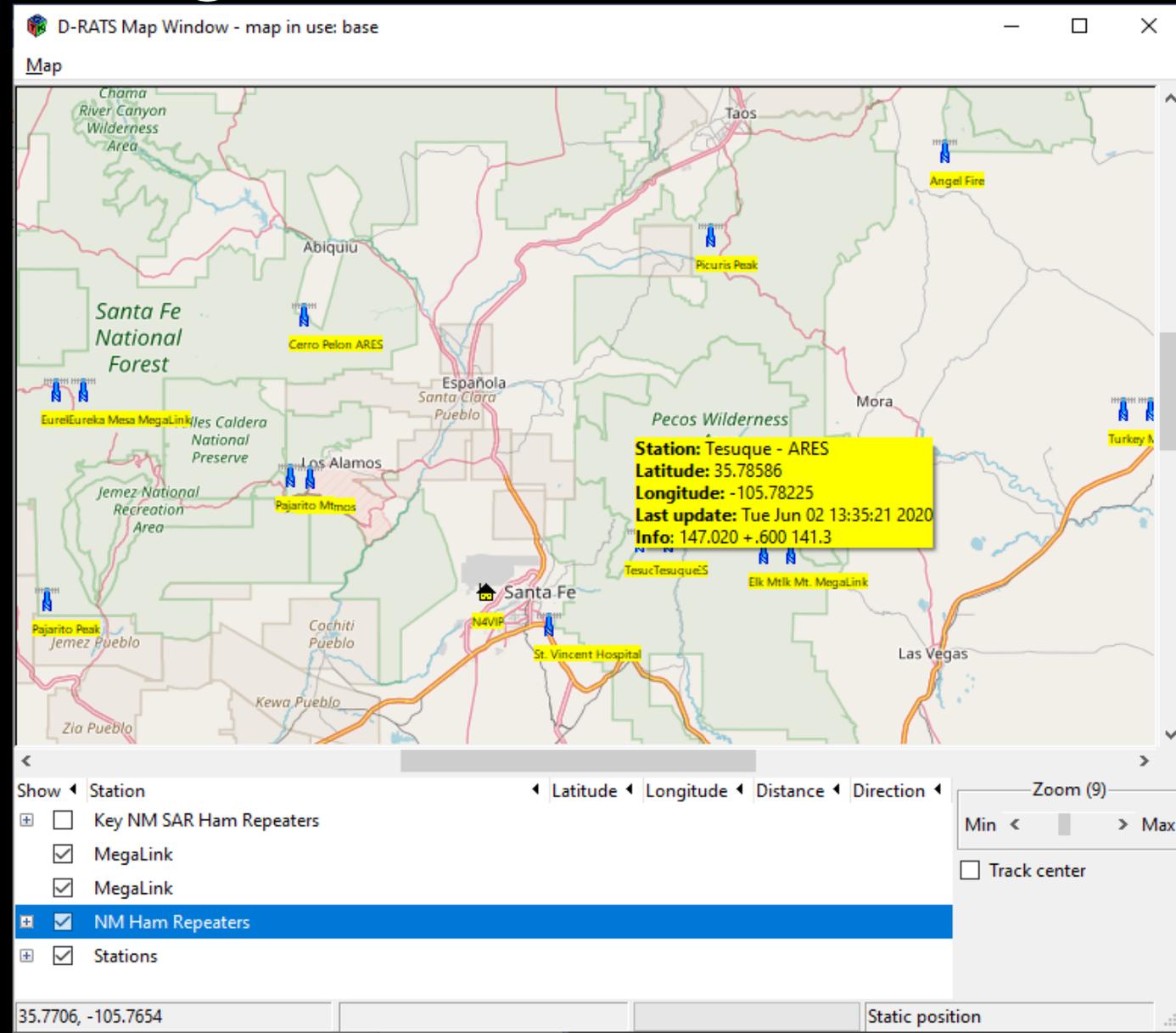
NM Ham Repeaters
selected and zoom 9



D-RATS Training – Part II

MAP

NM Ham Repeaters selected,
zoom 9 and mouse hovering
over Tesque ARES repeater
showing latitude, longitude
and Info: + 147.020 +.600
141.3



D-RATS Map Window - map in use: base

Map

Station: Tesuque - ARES
Latitude: 35.78586
Longitude: -105.78225
Last update: Tue Jun 02 13:35:21 2020
Info: 147.020 +.600 141.3

Show Station Latitude Longitude Distance Direction

- Key NM SAR Ham Repeaters
- MegaLink
- MegaLink
- NM Ham Repeaters
- Stations

Zoom (9)
Min < > Max
 Track center

35.7706, -105.7654 Static position

D-RATS Training – Part II

MAP

D-RATS can import ".csv" files containing static lists of positional information (i.e.: Hospitals, Repeater Sites, EOCs, etc) that can be displayed on the D-RATS Map

See "D-RATS Creating Static Overlays.pdf" for instructions

D-RATS Training – Part II

MAP

D-RATS Creating a Single Static Overlay

- To create a single static point, right-click on the map and select “New Marker Here”
- A box will open where you can select the group this point will belong to, assign a name, add a comment and choose an APRS icon
- Click OK and the point will be set

D-RATS Training – Part II

MAP

D-RATS Creating a group of Static Points

- Create a .csv file with each line in the following format (Columns A through G)
Name, SYMBOL, LATITUDE, LONGITUDE, ALTITUDE, Info, TRUE where:
 - Name is the marker name
 - SYMBOL is a character from the APRS table
 - LATITUDE and LONGITUDE are in decimal format
 - ALTITUDE is in feet
 - Info is additional text displayed when your mouse hovers over the marker
 - TRUE indicates that this marker will be displayed when this file is loaded

D-RATS Training – Part II

MAP

D-RATS Creating a group of Static Points

For example

A		B	C	Column D	E	F	G
Abington Fire Company	/d	40.11745		-75.1197		Station 100	TRUE
Barren Hill Fire Company	/d	40.0848		-75.25101		Station 29	TRUE
Belmont Hills Fire Company	/d	40.02717		-75.23673		Station 22	TRUE

- In the above example, the altitude for each point was not known and that field was left blank
- A text editor or a spreadsheet program can be used to make this file. Be sure to name it “whatever.csv” and save it in your My Documents folder.

D-RATS Training – Part II

MAP

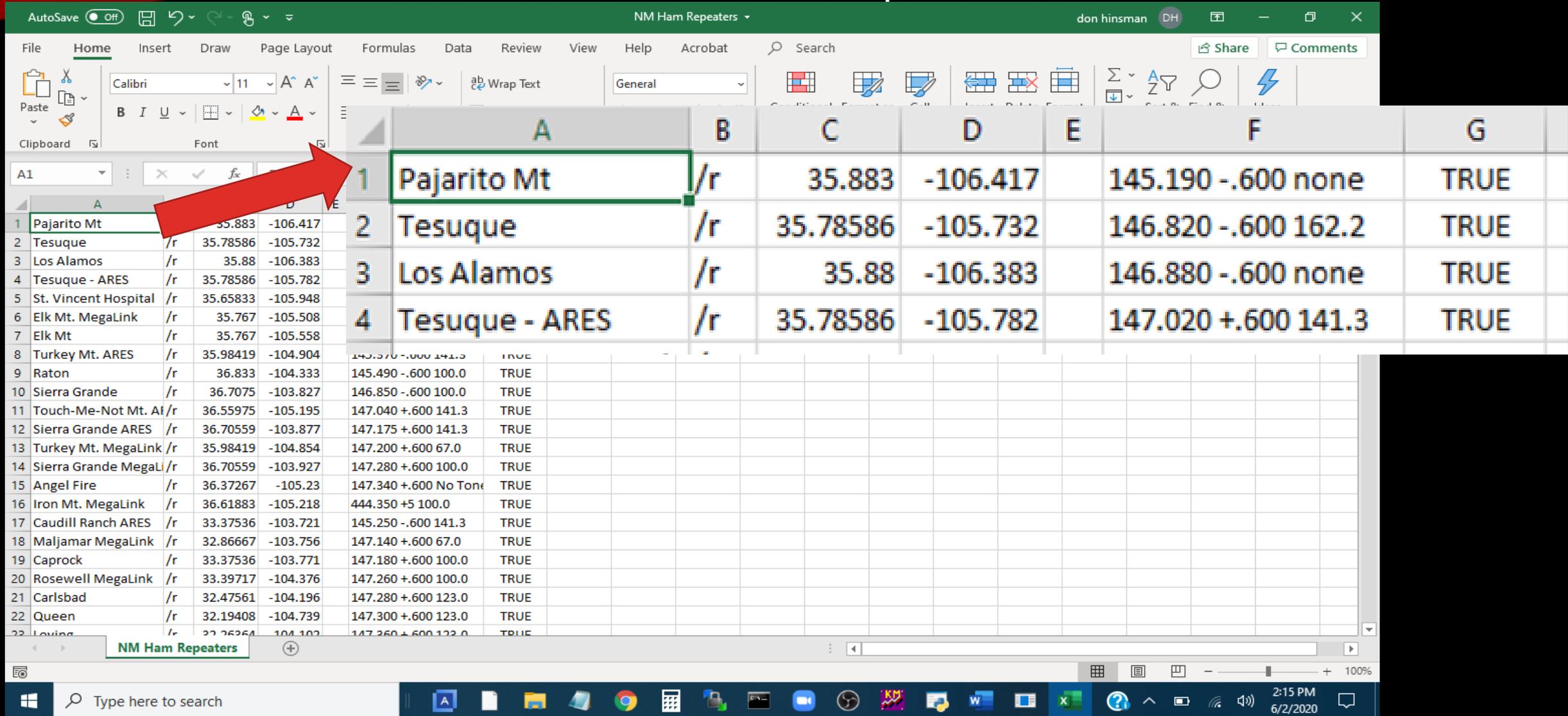
D-RATS Creating a group of Static Points

Installing the File

- Open the Map window and click on Map on the menu bar
- Select Edit Sources and a window with existing overlays will open
- Click on Add, and select the .csv file you wish to add
- Close the Edit Sources window
- The new group is now displayed in the space under the Map window

D-RATS Training – Part II

MAP - View of NM Ham Repeaters.csv



The screenshot displays a Microsoft Excel spreadsheet titled "NM Ham Repeaters". The spreadsheet contains a list of ham repeaters with columns for name, frequency, and other technical details. A red arrow points to the first row of data, which is highlighted with a green border.

	A	B	C	D	E	F	G
1	Pajarito Mt	/r	35.883	-106.417	145.190	-.600 none	TRUE
2	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
3	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
4	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
5	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
6	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
7	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
8	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
9	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
10	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
11	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
12	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
13	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
14	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
15	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
16	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
17	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
18	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
19	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
20	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
21	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
22	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
23	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
24	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
25	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
26	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
27	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
28	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
29	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
30	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
31	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
32	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
33	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
34	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
35	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
36	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
37	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
38	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
39	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
40	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
41	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
42	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
43	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
44	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
45	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
46	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
47	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
48	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
49	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
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51	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
52	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
53	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
54	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
55	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
56	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
57	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
58	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
59	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
60	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
61	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
62	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
63	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
64	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
65	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
66	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
67	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
68	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
69	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
70	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
71	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
72	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
73	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
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75	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
76	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
77	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
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79	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
80	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
81	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
82	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE
83	Los Alamos	/r	35.88	-106.383	146.880	-.600 none	TRUE
84	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
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99	Tesuque - ARES	/r	35.78586	-105.782	147.020	+.600 141.3	TRUE
100	Tesuque	/r	35.78586	-105.732	146.820	-.600 162.2	TRUE

D-RATS Training – Part II

LIST OF EXISTING STATIC POSITIONAL FILES

1. NM HAM REPEATERS
2. MEGALINK
3. SANTA FE COUNTY REPEATERS
4. SANTA FE COUNTY FIRE STATIONS
5. SANTA FE CITY FIRE STATIONS
6. NM AIRPORTS
7. SFARES MEMBER'S QTH (incomplete)

D-RATS Training – Part II

REVIEW

MAP



End
D-RATS Training – Part II