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

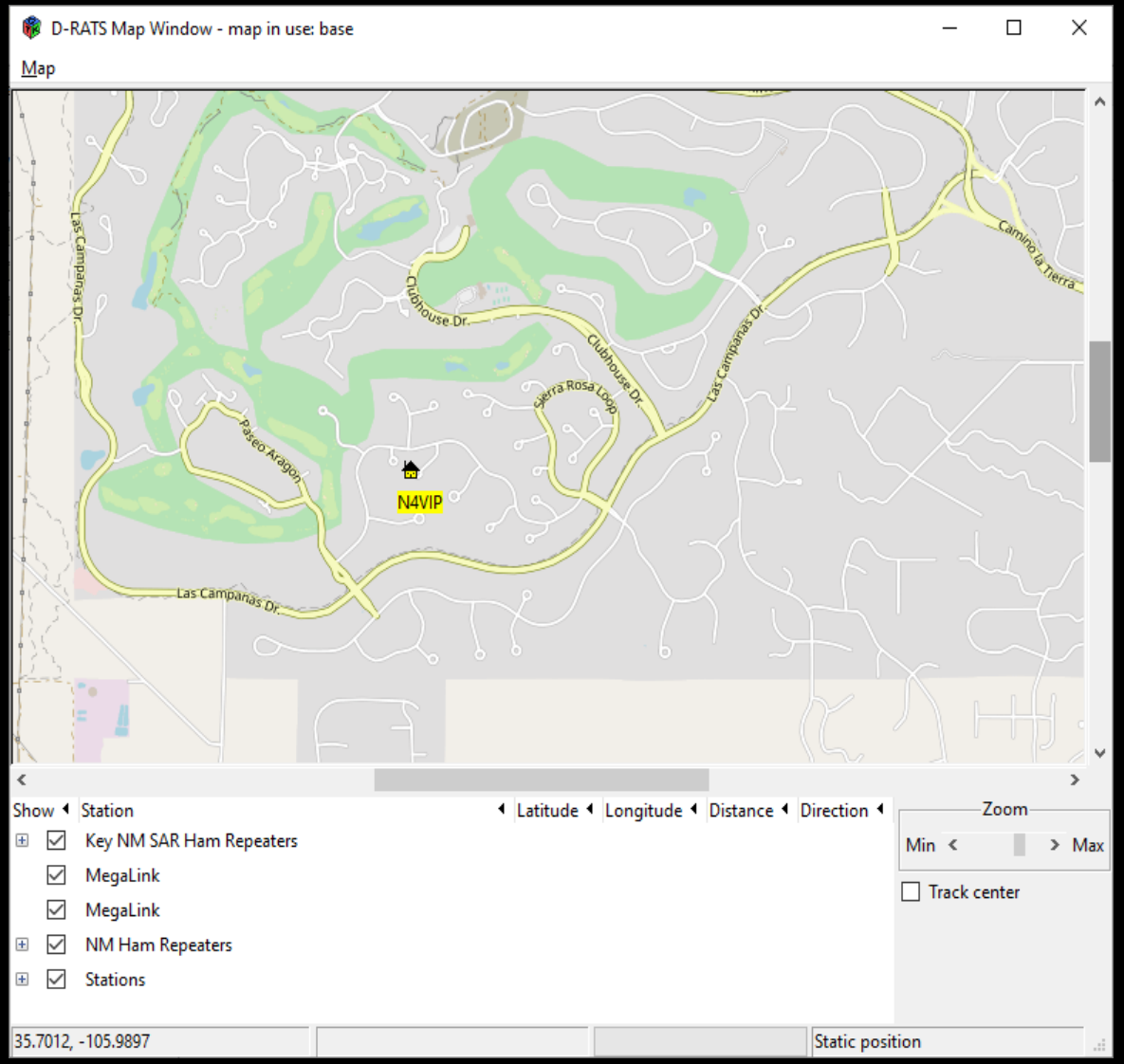
D-RATS Training – Part II

Map

Must define Base Map Storage Path (Preferences>Paths)

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

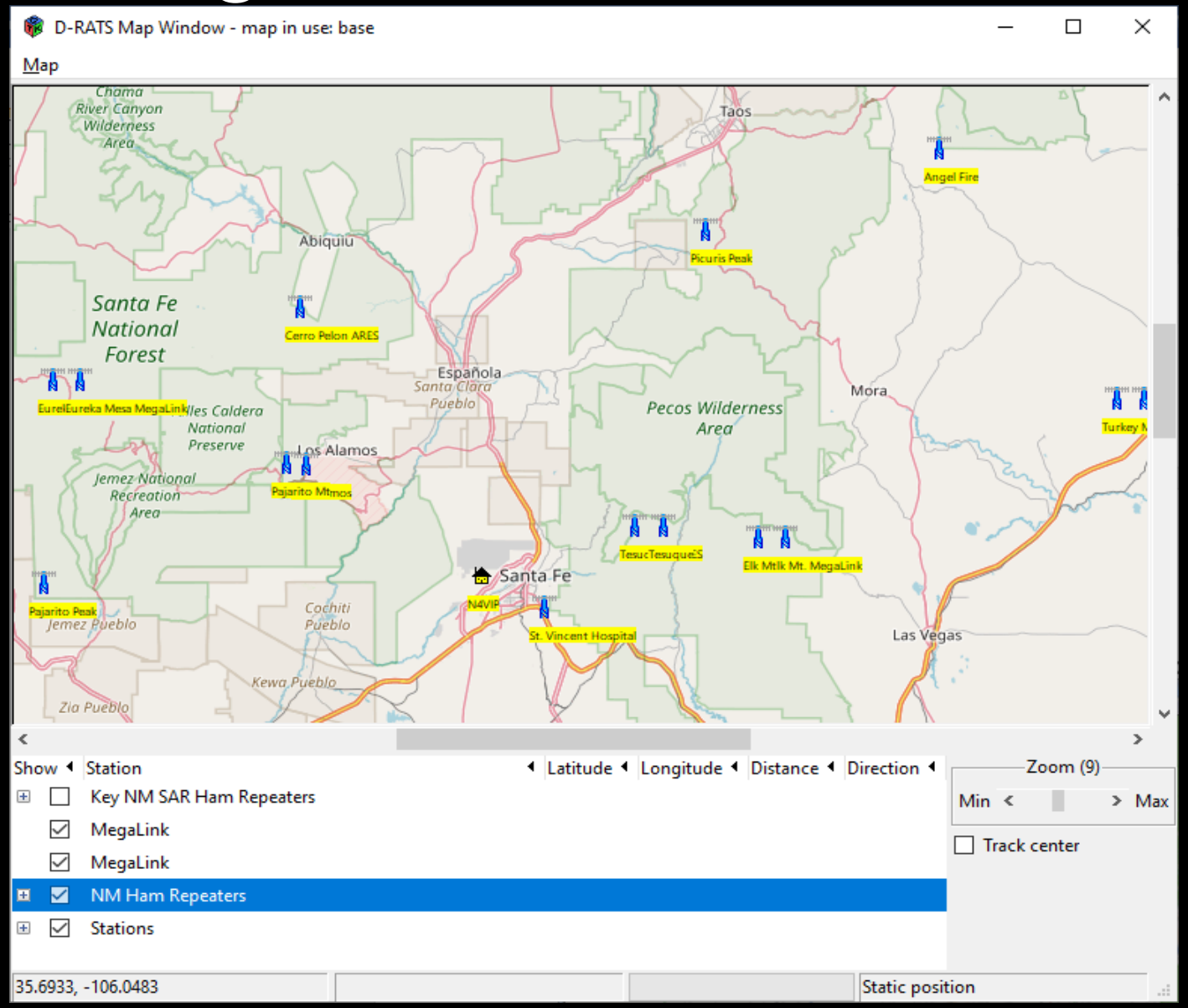
Note: Stations (My station N4VIP) selected with zoom 14



D-RATS Training – Part II

MAP

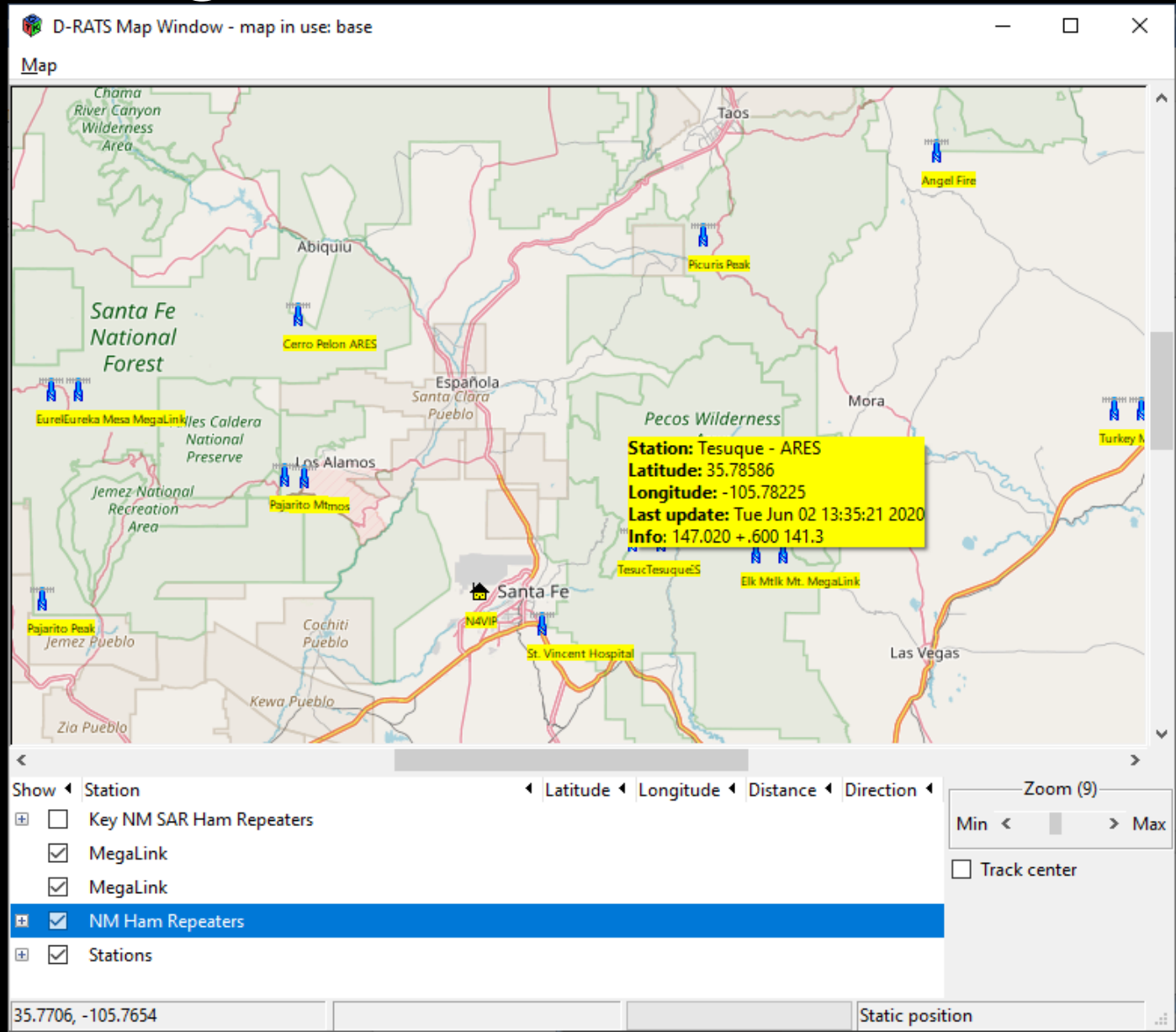
NM Ham Repeaters selected and zoom 9



D-RATS Training – Part II

MAP

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



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

	Column					
A	B	C	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

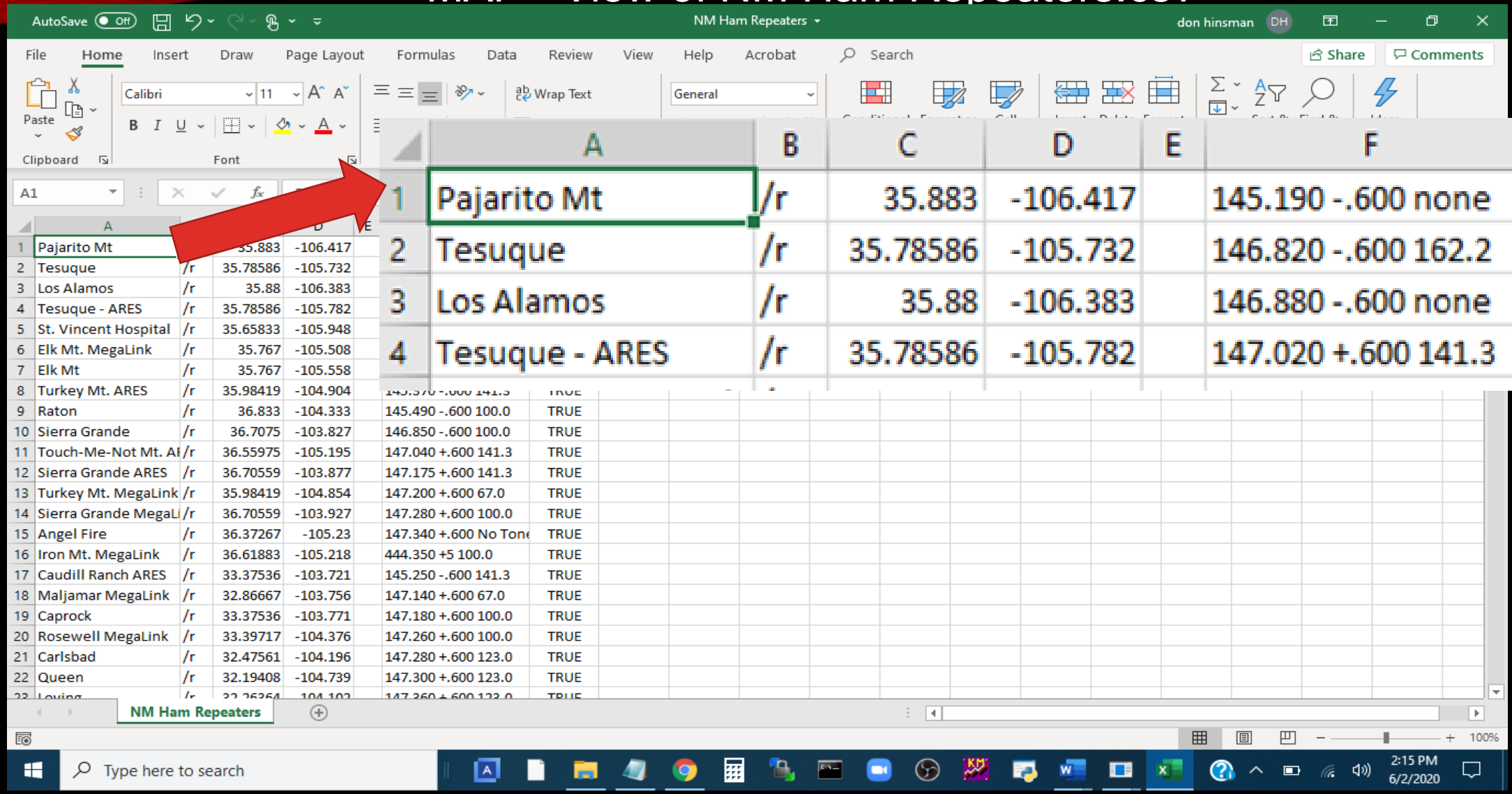
D-RATS Creating a group of Static Points

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



	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

	A						
1	Pajarito Mt	/r	35.883	-106.417			
2	Tesuque	/r	35.78586	-105.732			
3	Los Alamos	/r	35.88	-106.383			
4	Tesuque - ARES	/r	35.78586	-105.782			
5	St. Vincent Hospital	/r	35.65833	-105.948			
6	Elk Mt. MegaLink	/r	35.767	-105.508			
7	Elk Mt	/r	35.767	-105.558			
8	Turkey Mt. ARES	/r	35.98419	-104.904			
9	Raton	/r	36.833	-104.333		145.490 -.600 100.0	TRUE
10	Sierra Grande	/r	36.7075	-103.827		146.850 -.600 100.0	TRUE
11	Touch-Me-Not Mt. Al	/r	36.55975	-105.195		147.040 +.600 141.3	TRUE
12	Sierra Grande ARES	/r	36.70559	-103.877		147.175 +.600 141.3	TRUE
13	Turkey Mt. MegaLink	/r	35.98419	-104.854		147.200 +.600 67.0	TRUE
14	Sierra Grande MegaLi	/r	36.70559	-103.927		147.280 +.600 100.0	TRUE
15	Angel Fire	/r	36.37267	-105.23		147.340 +.600 No Tone	TRUE
16	Iron Mt. MegaLink	/r	36.61883	-105.218		444.350 +5 100.0	TRUE
17	Caudill Ranch ARES	/r	33.37536	-103.721		145.250 -.600 141.3	TRUE
18	Maljamar MegaLink	/r	32.86667	-103.756		147.140 +.600 67.0	TRUE
19	Caprock	/r	33.37536	-103.771		147.180 +.600 100.0	TRUE
20	Rosewell MegaLink	/r	33.39717	-104.376		147.260 +.600 100.0	TRUE
21	Carlsbad	/r	32.47561	-104.196		147.280 +.600 123.0	TRUE
22	Queen	/r	32.19408	-104.739		147.300 +.600 123.0	TRUE
23	Loving	/r	32.26364	-104.102		147.360 +.600 123.0	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