Wireshark has many features, but I was able to try out a few. I used the one featured called Capture options which allows you to not only capture the packages in the network you chose, but it also gives you the options to adjust it to your preferences. I was able to set it up in a way that it captured a file every 10 seconds 3 times for a total of 3 files. I Also unchecked all the name resolutions. You can also examine files into Wireshark, in the bottom side you can see the XML data where you can see a more in-depth file analysis. Playing around with Wireshark I was most impressed with how you can see all sorts of dating circulating in your network. By typing tcp contains follow by a keyword you can see that data in your network.

Assignment Part III

A screenshot of a computer

Description automatically generatedGraphical user interface, application

Description automatically generated

The name of your computer’s network interface that you used for captures (part II):

* Wi-Fi: en0
* awdl0
* llw0
* utun0
* Thunderbolt 1: en1
* Thunderbolt 2: en2

Assignment Part III

1. Load the WS1-Assignment-A.pcapng.gz file into Wireshark  
2. What are the two IP addresses of the computers in the HTTP session? (10 points)

-Source Address: 54.230.82.169

-Destination Address: 10.0.2.15  
3. Use Wireshark’s data window to examine the XML data

• Using the Go menu, go to packet 520  
 • Use the HTTP view to examine the captured XML data in the packet  
4. Answer the following questions:

• What is Dish DSS25 tracking? (10 points)

-It seems that Dish DSS25 is capturing some sort of aircraft.

• What is the antenna’s azimuth angle? (10 points)

-azimuthAngle=“188.29”

• What is the antenna’s elevation angle? (10 points)

-elevationAngle=“37.27”

• What is the antenna’s wind speed? (10 points)

-windSpeed=“11.74”

• What is the downsignal power? (10 points)

-signalType="data"

-signalTypeDebug="IN LOCK OFF 1 MCD3"

-dataRate="22119.933594"

-frequency="8429852666.995188"

-power="-153.512802"

-spacecraft="CAS"

-spacecraftId="82"/>