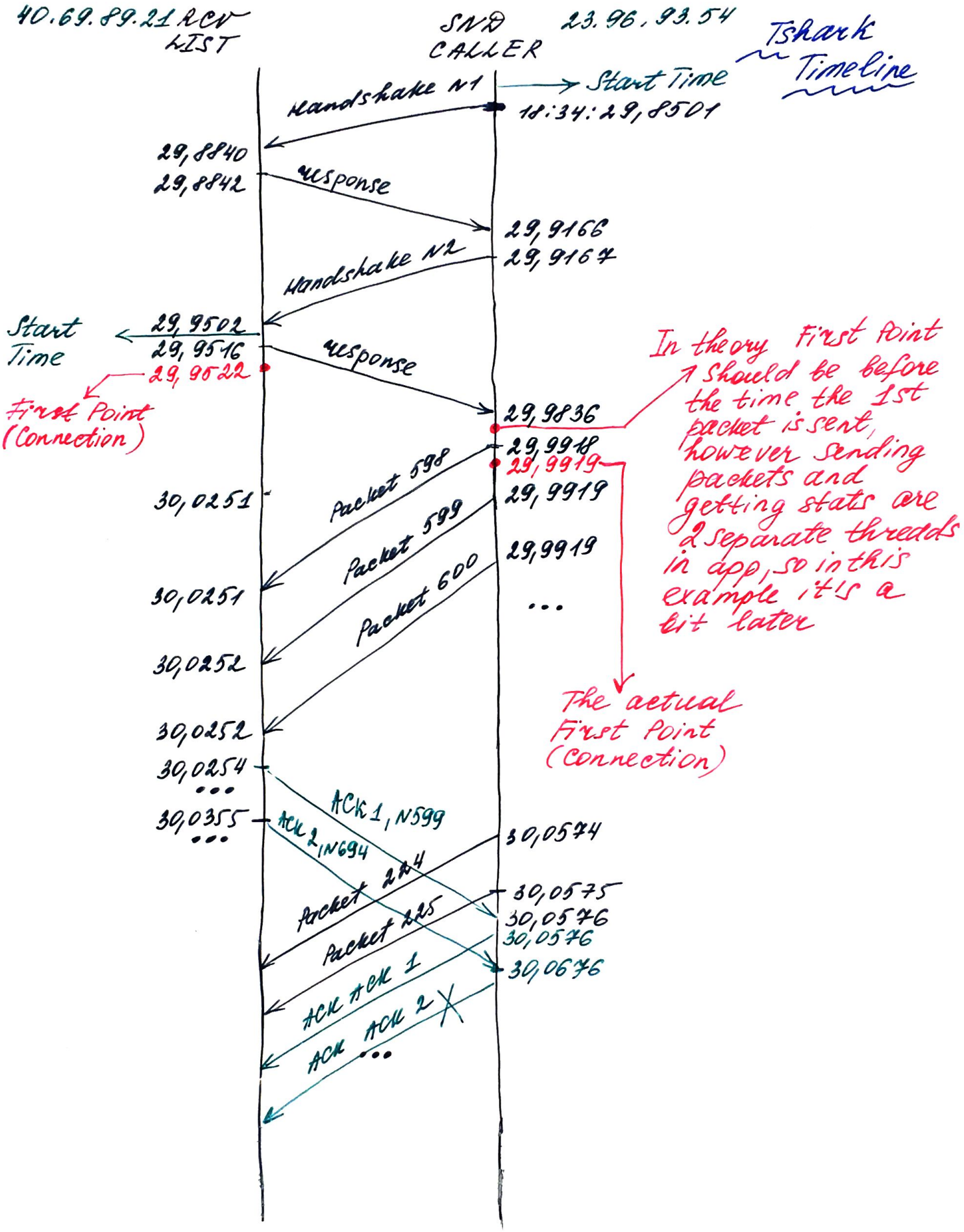
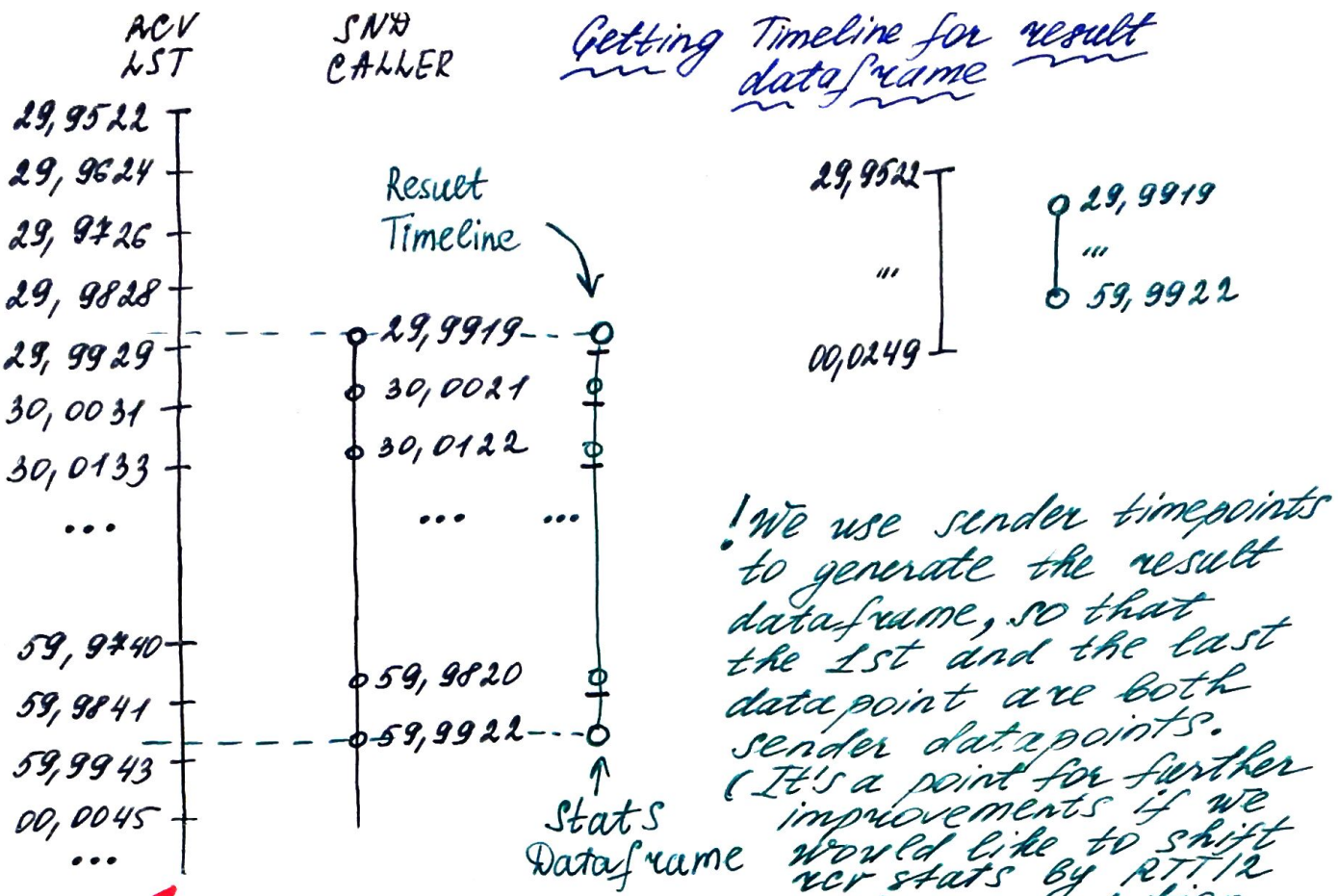

40.69.89.21 RCV LIST
SND CALLER
23.96.93.54
Tshark Timeline
Handshake N1
Start Time
18:34:29,8501
29,8840
29,8842
Response
29,9166
29,9167
Handshake N2
Start Time
29,9502
29,9516
29,9522
Response
First Point (Connection)
29,9836
In theory First Point should be before the time the 1st packet is sent, however sending packets and getting stats are 2 separate threads in app, so in this example, it's a bit later
29,9918
29,9919
30,0251
Packet 598
29,9919
Packet 599
29,9919
Packet 600
30,0251
...
30,0252
30,0252
The actual First Point (Connection)
30,0254
...
30,0355
...
ACK 1, N599
ACK 2, N694
30,0574
Packet 224
30,0575
Packet 225
30,0576
30,0576
ACK ACK 1
30,0676
ACK ACK 2
...



Important Note:
RCV statistics is statistics from the past. Ideally before joining RCV datasets with SND datasets, we should shift RCV stats up by RTT/2. However, there are 2 problems here:

1. During the time RTT varies
2. We can calculate:
   - initial RTT from handshakes exchange and shift datasets by $RTT_{initial}/2$ as the first step under assumption that the experiment time is slow
   - we can extract RTT estimation from tshark dump and shift RCV stats accordingly (requires additional research: 1. estimation accuracy; 2. What happens in time moments where RTT changes dramatically?)

Timeline for result data frame