OBSERVATIONS:

1. The DNS queries and their responses are all sent over UDP.

2. The destination port for the DNS queries and source port for the responses are both 53.

3. The DNS query is sent to the machine on which the DNS server is running, and if there is no result, it is sent to one of the alternative DNS servers.

4. The type of query is mentioned as Standard Query. The query message contains no answers.

5. There is either one or many answers depending on the request. Each answer contains either the IP or another nameserver.

6. The destination IP addresss of the SYN packet do correspond to the IP addresses provided in the DNS reply message.s