IP Receive State Diagram
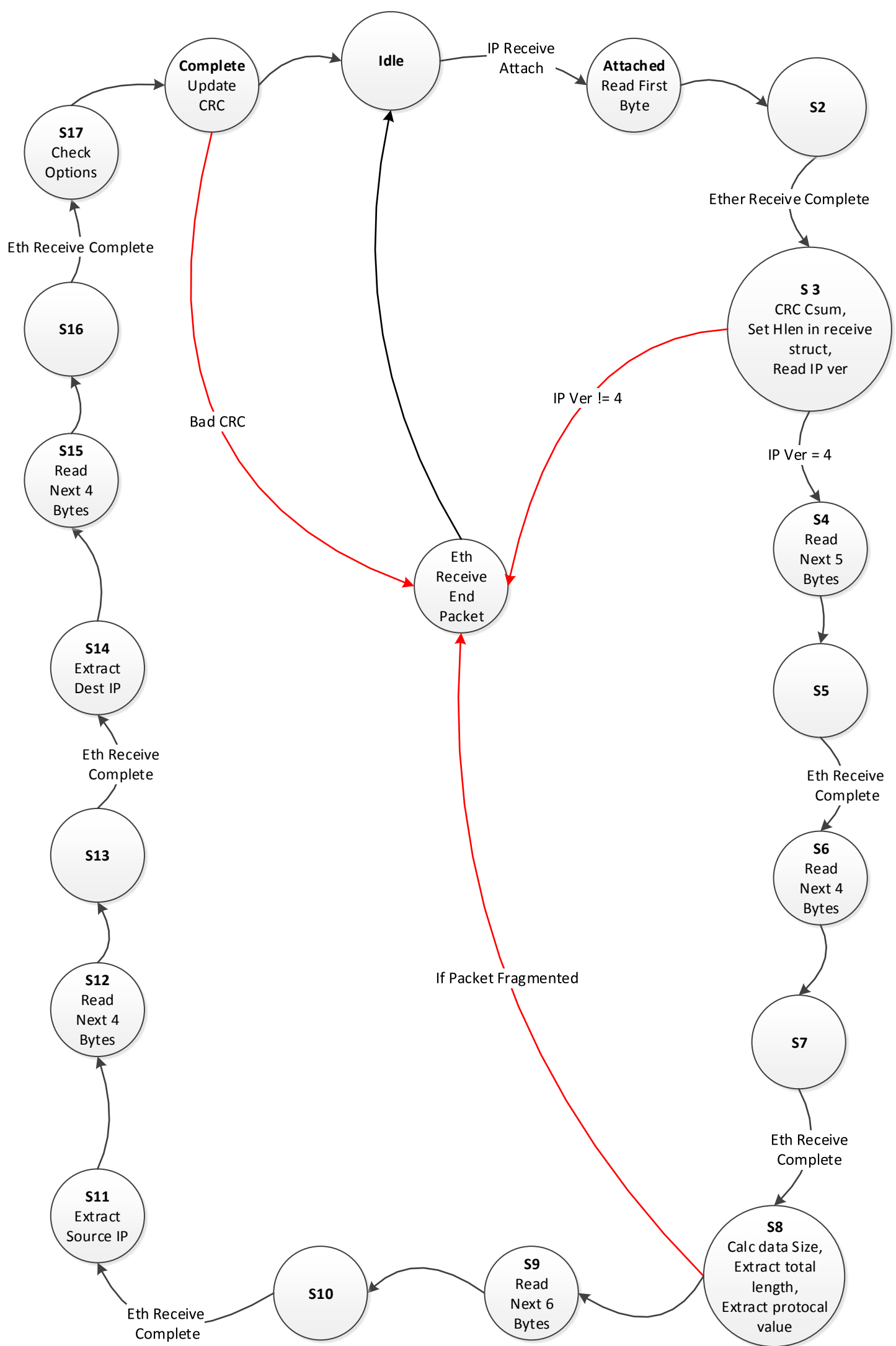
Action Table

State	Action
Idle	Idle
Attached	Read First Byte
S2	
S3	• Update CRC checksum • Set header length in receive structure • Check IP version
S4	Read next 5 bytes
S5	
S6	Read next 4 bytes
S7	
S8	• Calculate data size • Extract total length • Extract Protocol Value (1,6,17…)
S9	Read next 6 bytes
S10	
S11	Extract source IP
S12	Read next 4 bytes
S13	
S14	Extract Destination IP
S15	Read next 4 bytes
S16	
S17	Check Option (this may not be necessary)
Complete	Update CRC

Copy of rough notes located here:
https://www.dropbox.com/s/ahtx4h4mi3myo9r/IP%20Received%20Rough%20Notes%20From%20Class.pdf?dl=0