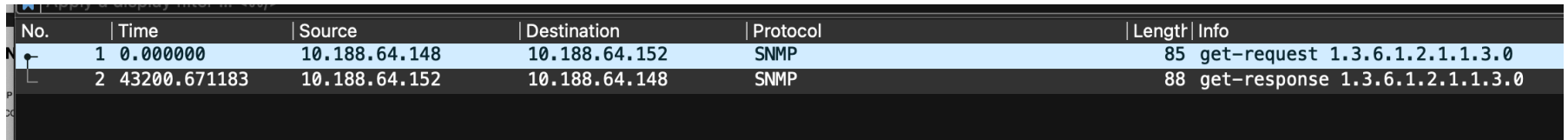


SNMP

- Over UDP
- Old but plenty of implementations and MIBs
- Timeout set by the client. No timeout in the protocol.
- Testbed:
 - net-snmp on client and server
 - Delay of 2h each way = 4h RTT
 - snmpget -t 14500 \$oid (14400 = 4 hours)
 - Just worked!
 - Another test: 12h RTT (aka 43200 sec): just worked



No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	10.188.64.148	10.188.64.152	SNMP	85	get-request 1.3.6.1.2.1.1.3.0
2	43200.671183	10.188.64.152	10.188.64.148	SNMP	88	get-response 1.3.6.1.2.1.1.3.0

- Have access to all defined MIBs (and may define specific ones if needed). Some examples:
 - Read: Interfaces health(status, queue length), node health (memory, disk, cpu, processes, ...)
 - Write: change config
- Can define events (SNMP traps). Examples: interface up/down; routing change; disk full; ...

Network Management: 