





Examples of Active Measurement	
 Connectivity "ping" Path discovery "traceroute" Bandwidth discovery Packet train analysis Delay measurement "ping" End-system probing Port scan Etc. 	
ECE697AA – 09/18/08 UMass Amherst – Tilman Wolf	4











Demos/tools
 Realtime network monitor
 <u>http://www.caida.org/data/realtime/index.xml</u>
 AS topology
AS video:
http://www.caida.org/publications/animations/active_monitoring/a
<u>s_core.mpg</u>
AS map:
http://www.caida.org/research/topology/as_core_network/
Animated changes:
nttp://www.caida.org/publications/animations/active_monitoring/a nimAS.20000702-20020120.gif
 Maps
Backbone networks:
http://www.caida.org/tools/visualization/mapnet/Backbones/
 Network protocol analyzer:
 Ethereal/wireshark: <u>http://www.wireshark.org/</u>
ECE697AA – 09/18/08 UMass Amherst – Tilman Wolf 10

