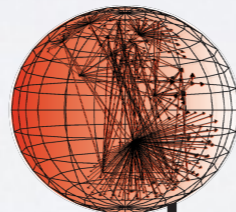


# *TTP Workshop*

Alberto Dainotti  
***alberto@caida.org***



**caida**

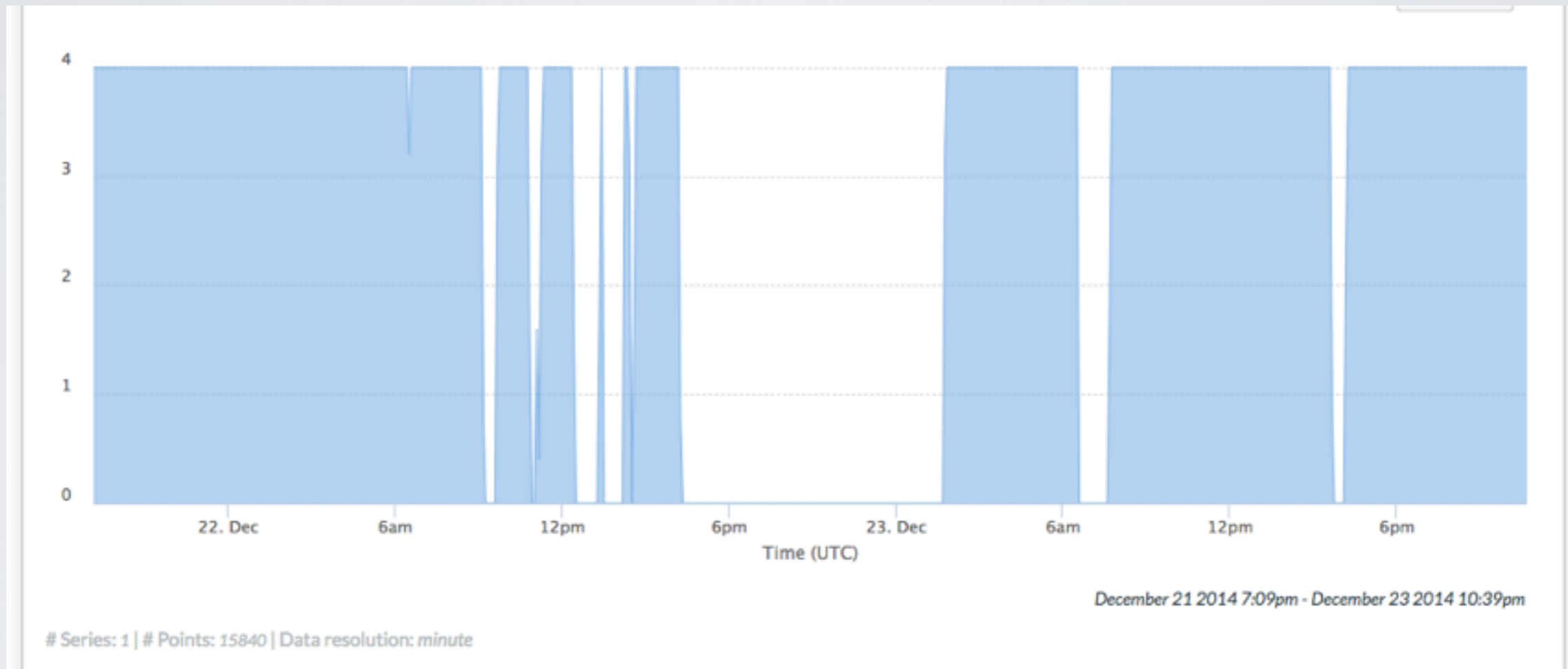
www.caida.org

Center for Applied Internet Data Analysis  
University of California, San Diego

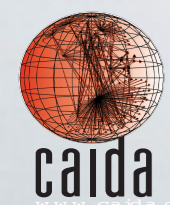
# INTERNET OUTAGES

## *IODA - Detection and Analysis of Internet Outages*

*Outages in North Korea at the end of 2014 (view from BGP - ASN 131279)*



Near-**realtime** interactive view of BGP for North Korea: <https://charthouse.caida.org/public/kp-outage>



Center for Applied Internet Data Analysis  
University of California San Diego

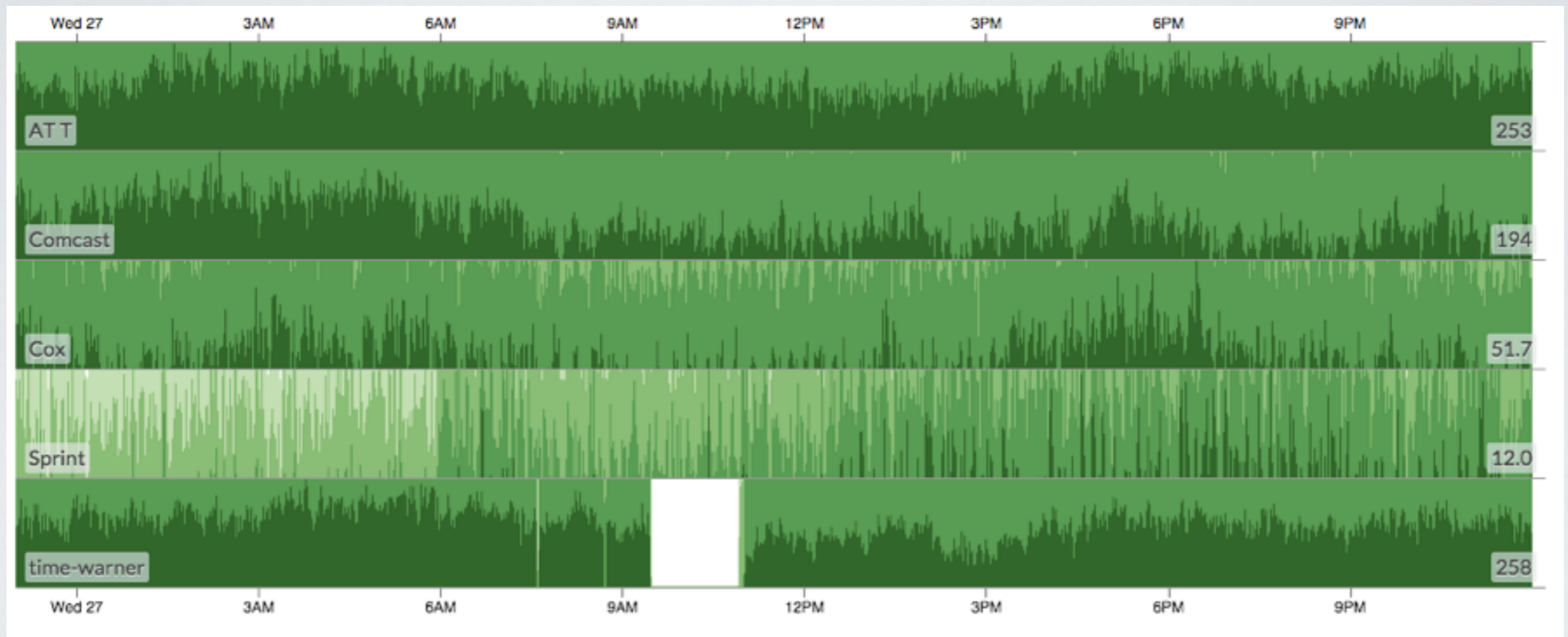


NSF CNS-1228994 PIs: Claffy, Dainotti

# INTERNET OUTAGES

## *IODA - Detection and Analysis of Internet Outages*

*Time Warner outage in August 2014 (view from UCSD Darknet)*

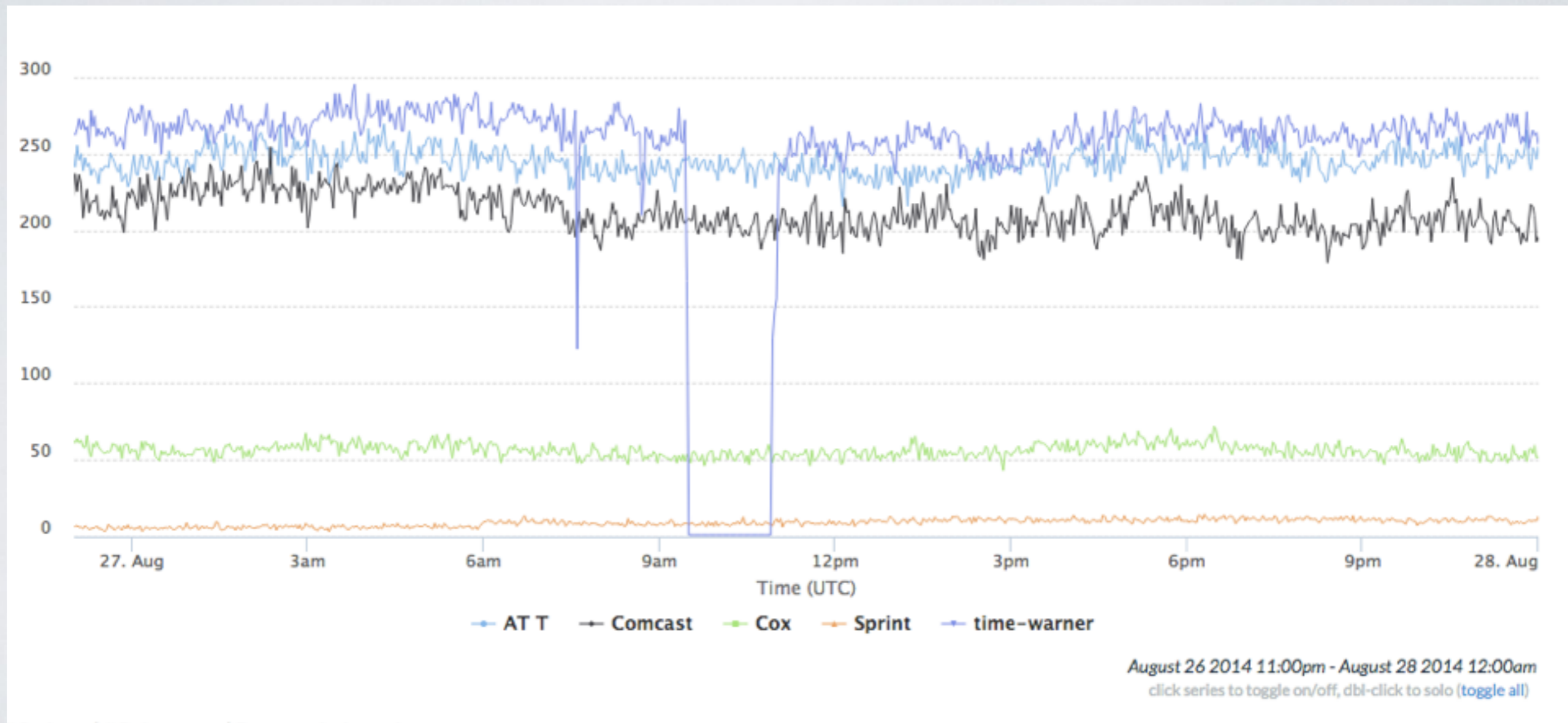




# INTERNET OUTAGES

## *IODA - Detection and Analysis of Internet Outages*

*Time Warner outage in August 2014 (view from UCSD Darknet)*



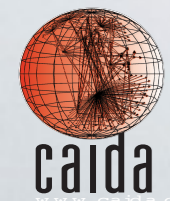


# INTERNET OUTAGES

## IODA - Detection and Analysis of Internet Outages

Time Warner outage in August 2014 (view from UCSD Darknet)

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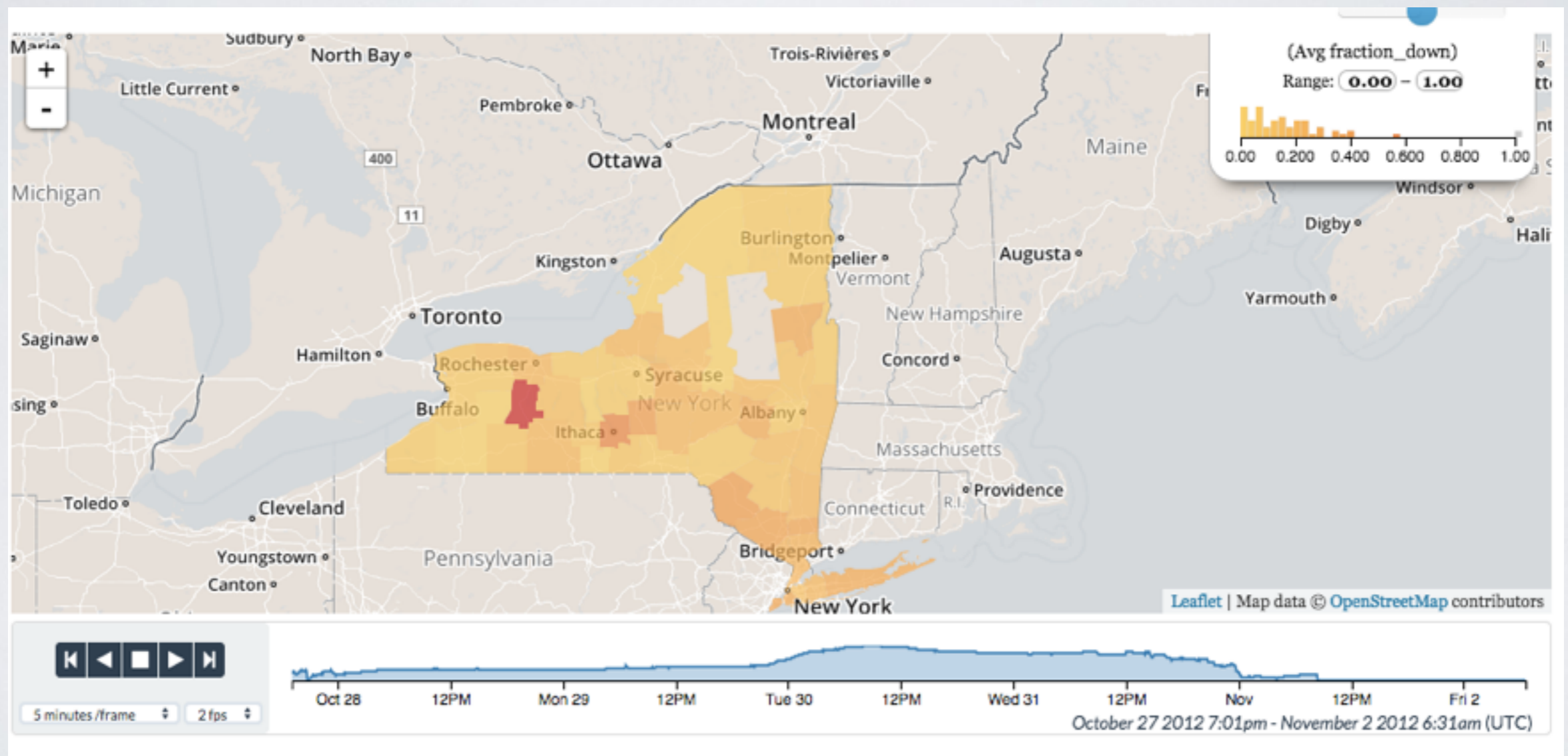




# INTERNET OUTAGES

## *IODA - Detection and Analysis of Internet Outages*

*Impact of Hurricane Sandy (view from ICMP probing) [work in progress]*



# IODA

the "system" at a glance

