The 6Bone Phaseout

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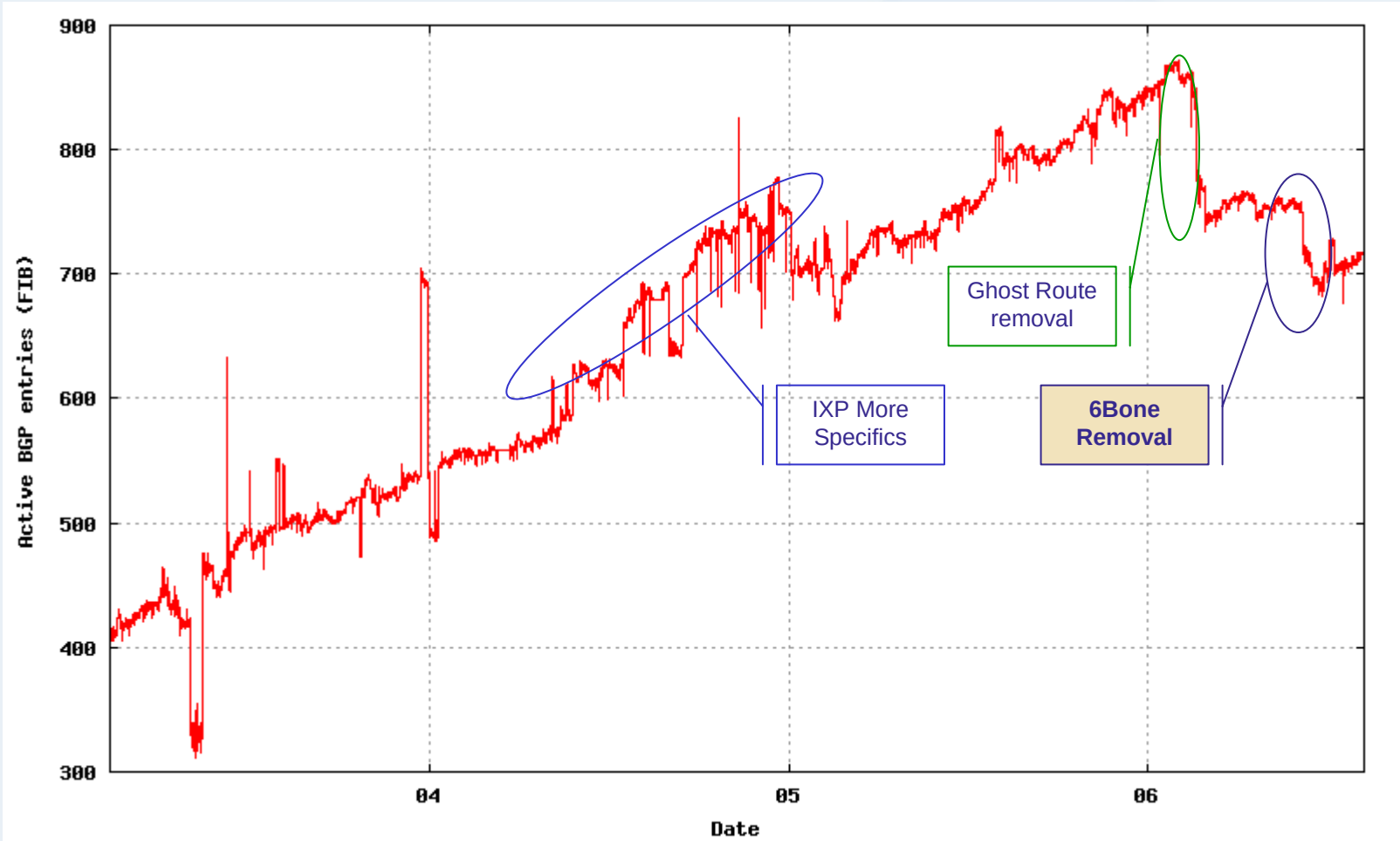
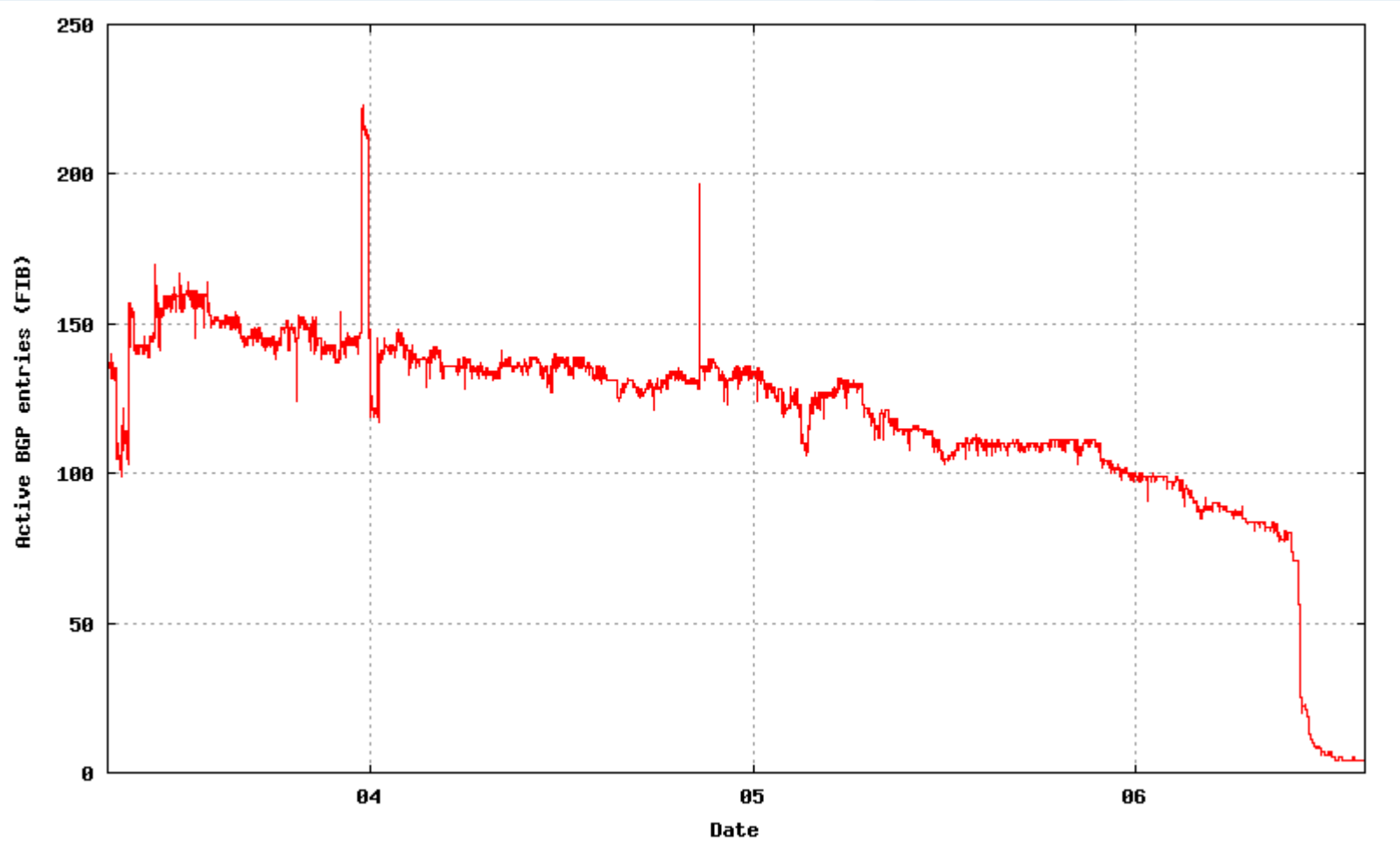
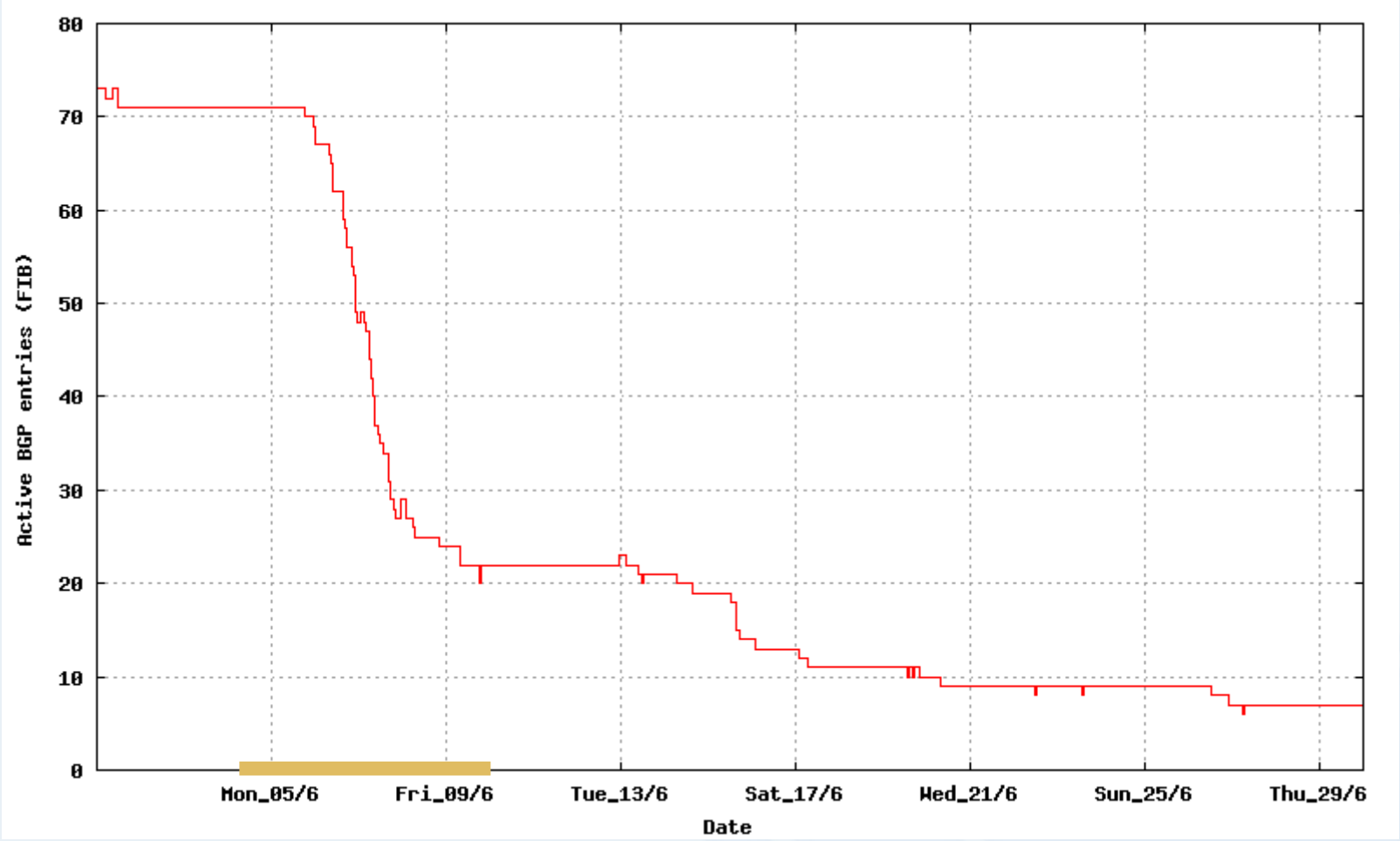
IPv6 Route Table Size: 2003-2006



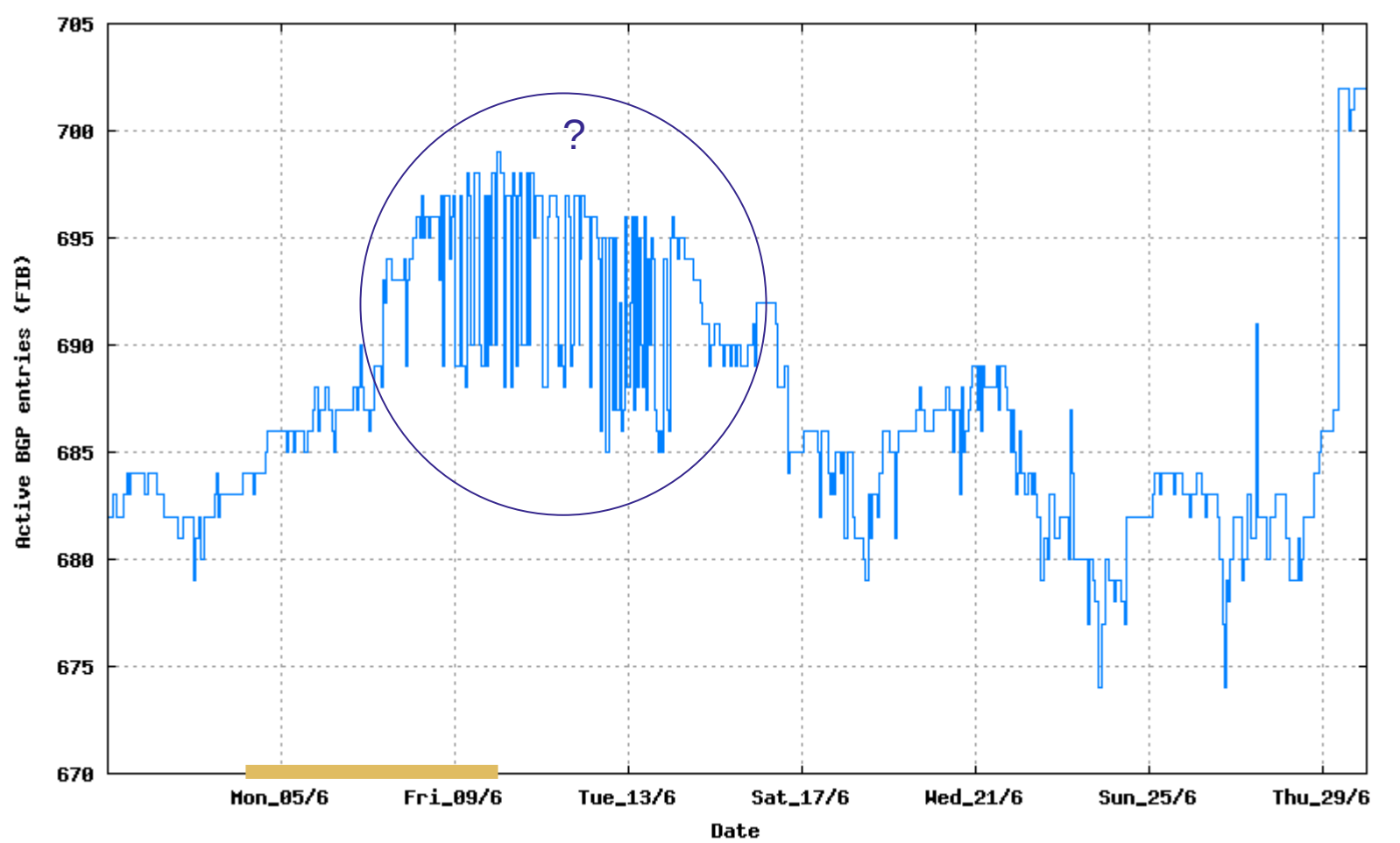
6Bone Route Table Size: 03-06



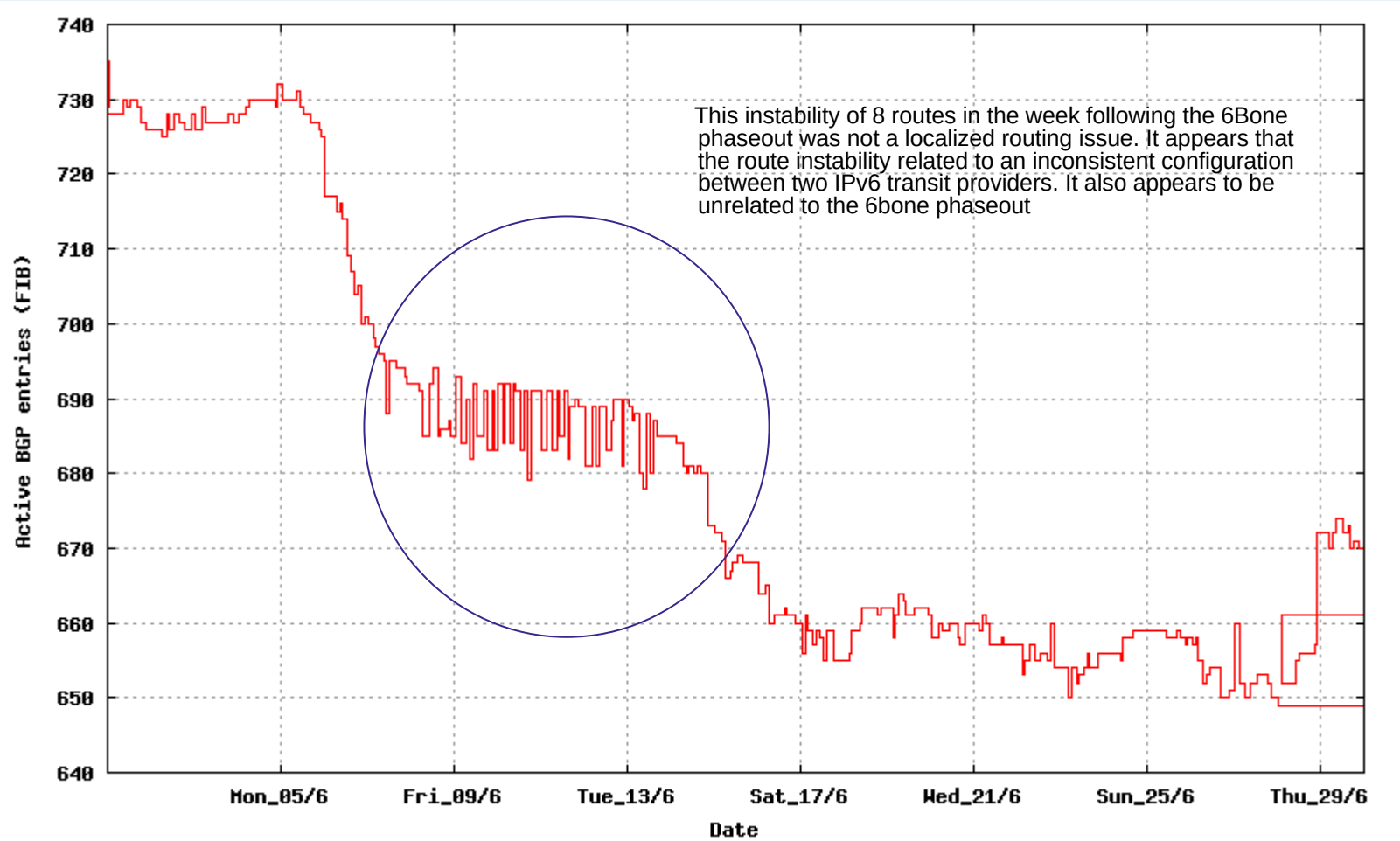
6Bone Routing Table: July 2006



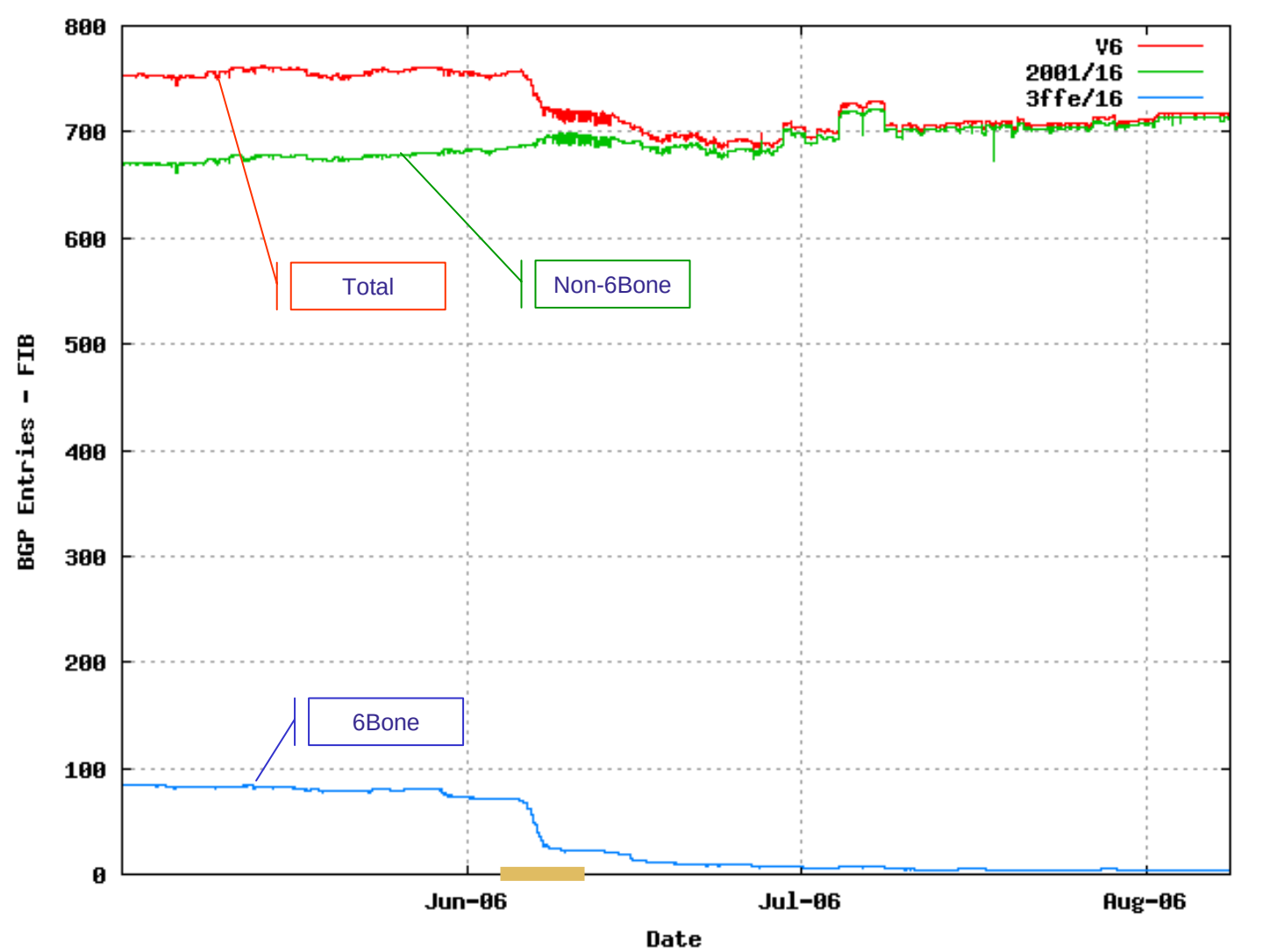
Non-6Bone: July 2006



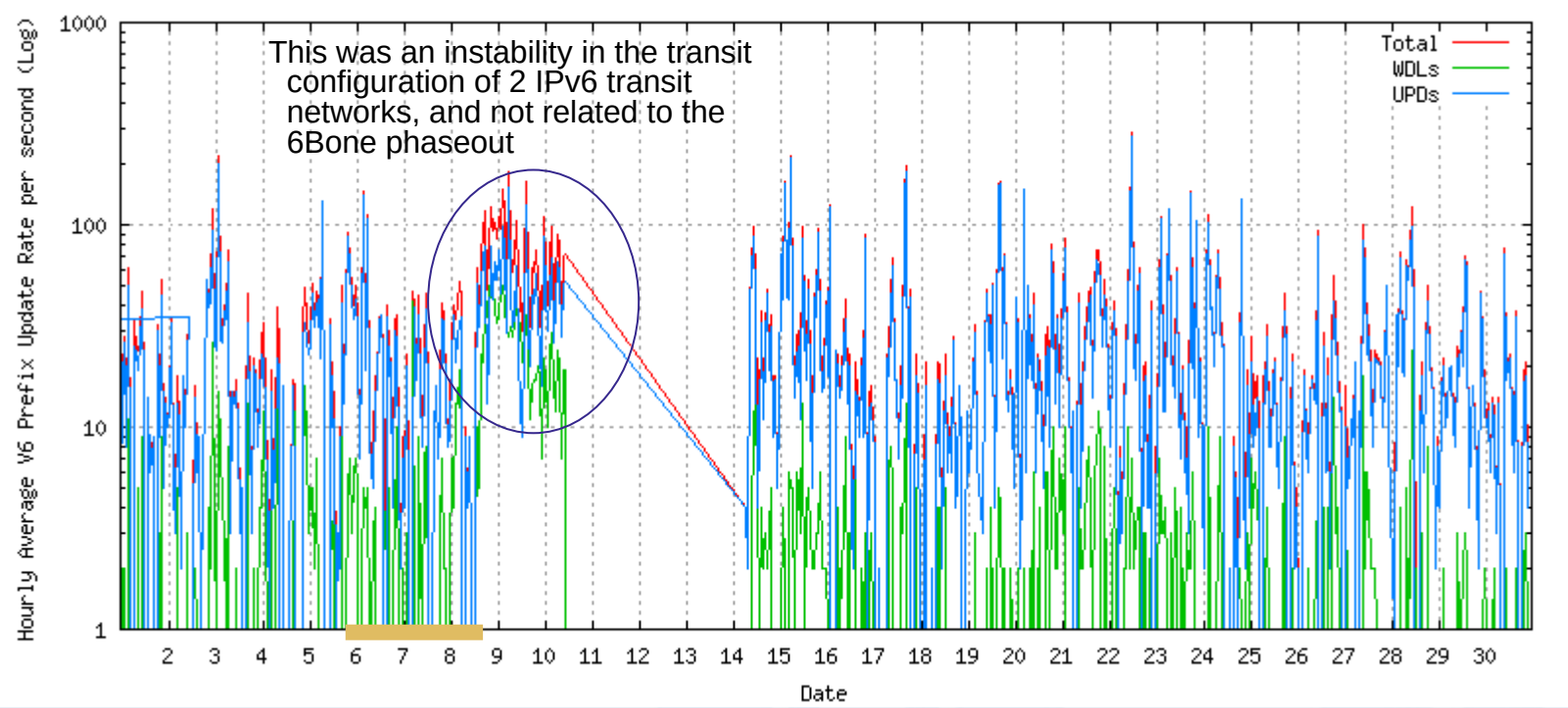
Route-Views IPv6: July



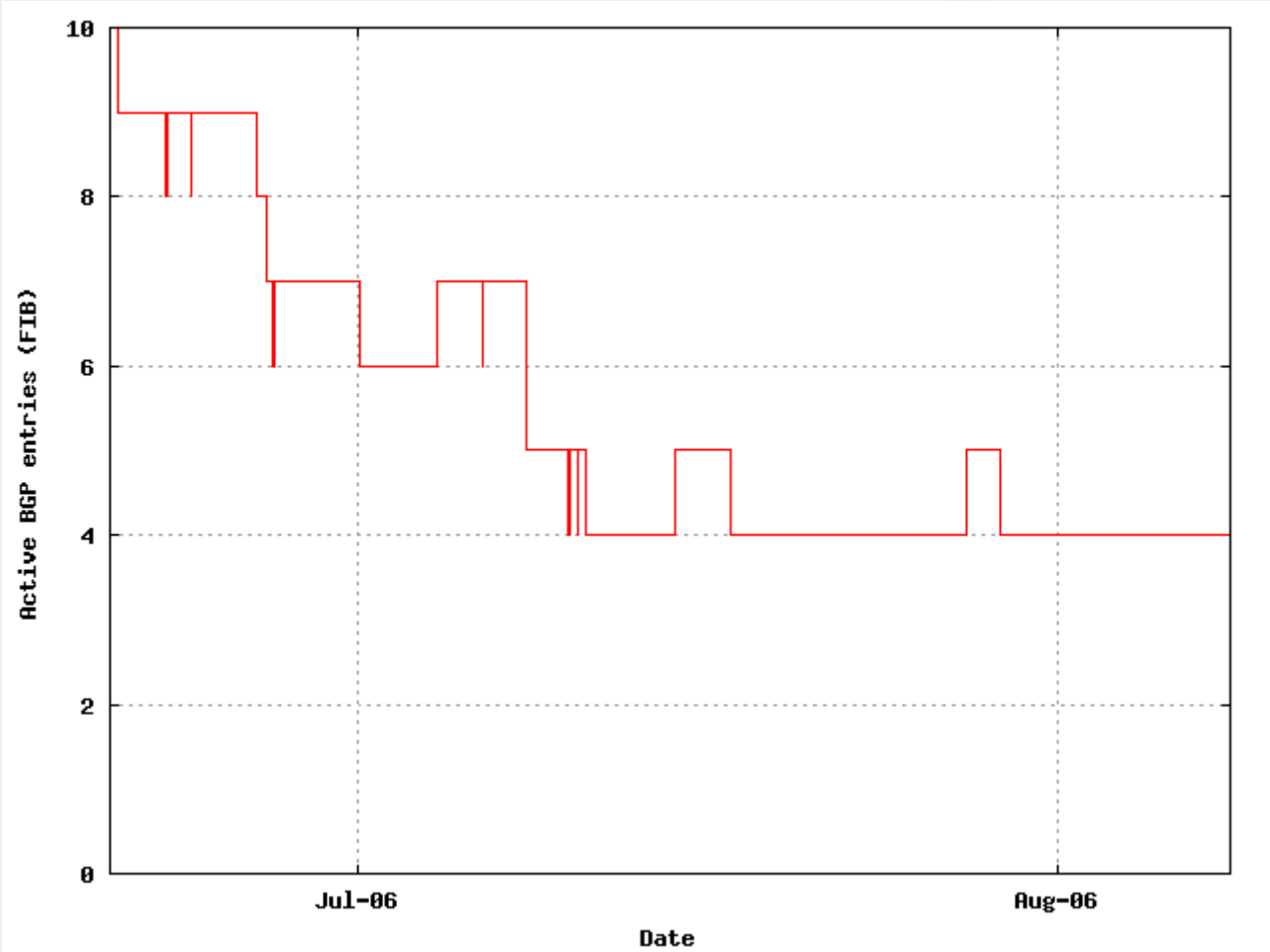
Combined View – May – August 06



V6 BGP Update Rates – June 06



Post Phaseout 6Bone Remnants in July



Bogon Remnants of the 6Bone (as of 23/8)

Prefix	Origin AS	AS Name
3ffe::/24	**AS 4555**	EP0-BLK-ASNBLOCK-5-Exchange Point Blocks RTechName: Manning, Bill
3ffe:800::/24	**AS 4555**	EP0-BLK-ASNBLOCK-5-Exchange Point Blocks RTechName: Manning, Bill
3ffe:8110::/28	**AS 8954**	INTOUCH-AS In Touch Autonomous System person: Willy Brinksma address: InTouch N.V. Middenweg 76 address: 1097 BS Amsterdam, The Netherlands
3ffe:8330::/28	**AS 17965**	CSTNET China Science and Technology Network person: Zhang Hong address: No.4 ,beijing zhongguancun 4th South street

Observations

- The 6Bone phaseout occurred between the 6th and the 29th June 2006 without any visible effects on the operational stability of IPv6
- V6 connectivity appeared to have been phased over well in advance of the 6/6/06 date
- The week of the 9th – 14th June saw ~8 non-6Bone prefixes generate some levels of route instability. This was related to a AS30071 TBone / AS109 route oscillation for these non-6Bone address prefixes, and was not directly related to the 6Bone phaseout

6Bone Cleanup

☺There were no operational instabilities that could be attributed to the phaseout of the 6Bone networks

☺The IANA IPV6 global Unicast Address Assignment has been updated to reflect the termination of the 6Bone experiment

☹ 4 x 6Bone prefixes remain in the IPv6 routing table