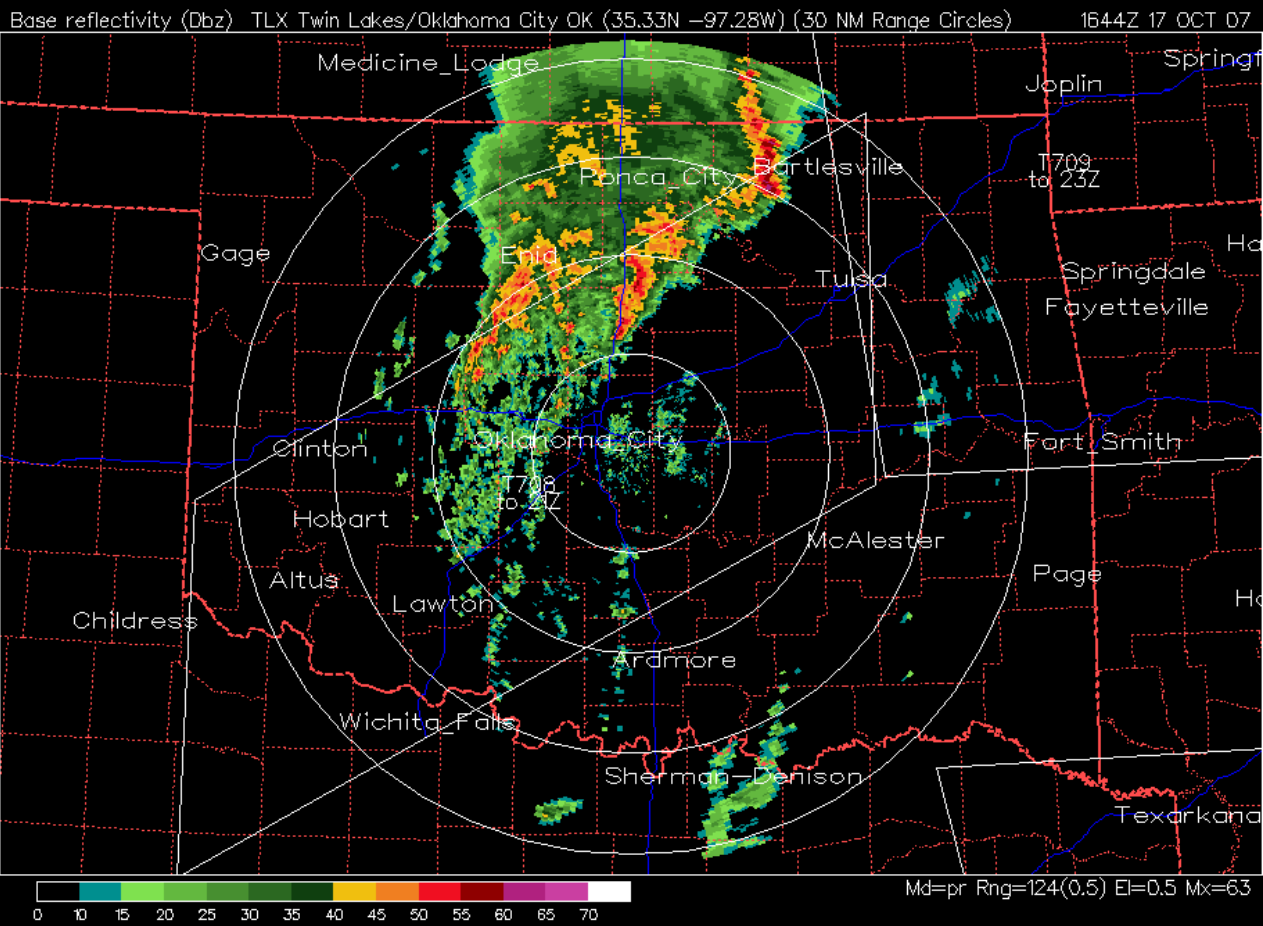# WSR-88D Level 2
Super-Res and Recombined Analysis

December 4, 2007

Mike Istok
Radar Meteorologist/Systems Engineer
NWS – Office of Science and Technology
Michael.Istok@noaa.gov

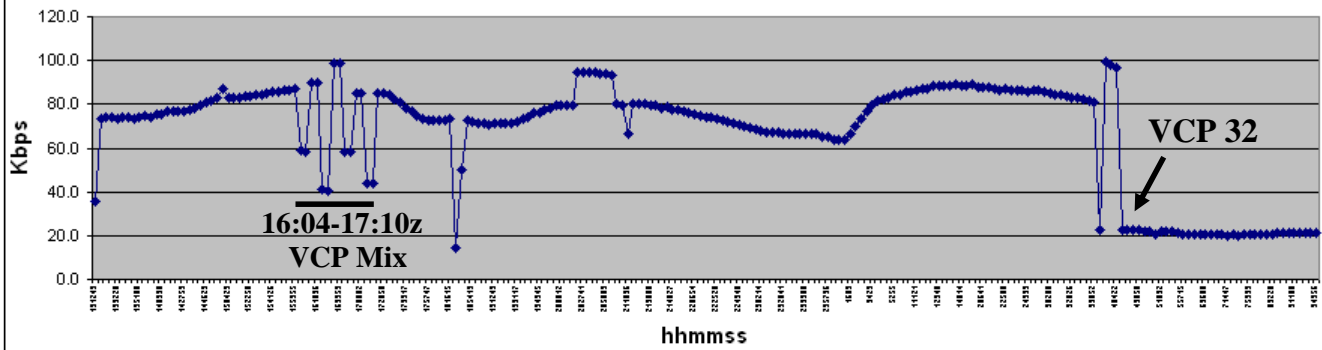# Build 10 KCRI Super-Res
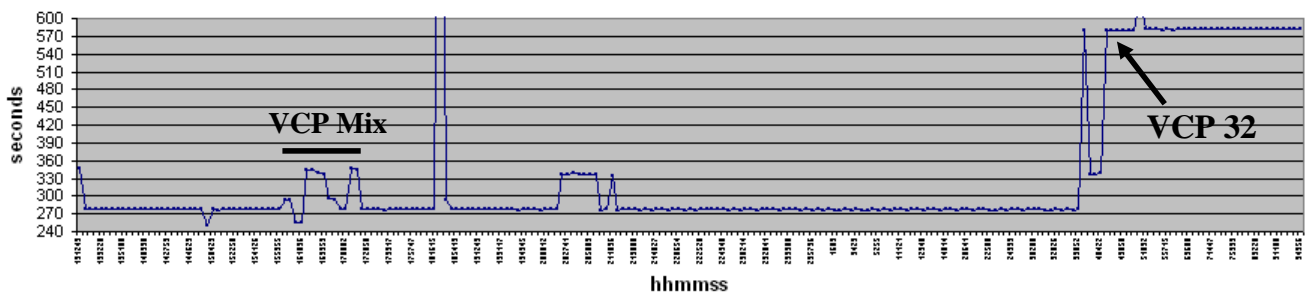# VCP Variety and Severe Storms

10/17-10/18 2007

Via LDM and playback

Base reflectivity (Dbz) TLX Twin Lakes/Oklahoma City OK (35.33N -97.28W) (30 NM Range Circles)   1644Z 17 OCT 07

Md=pr Rng=124(0.5) El=0.5 Mx=63

WSR-88D Build 10 Super-Res Level 2 Data Load Analysis

Slide 3

Oct. 17-18 LDM Level 2 Throughput

VCP 32

16:04-17:10z
VCP Mix

Oct. 17-18 VS Duration

VCP Mix

VCP 32

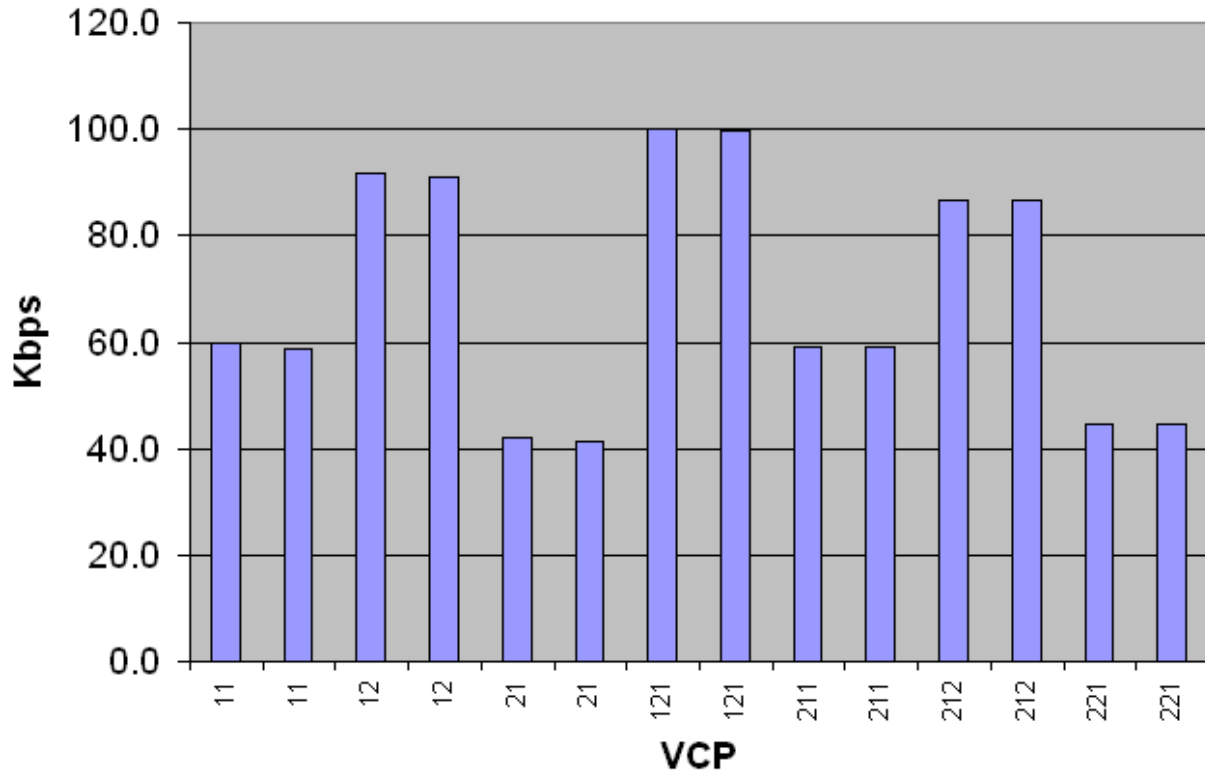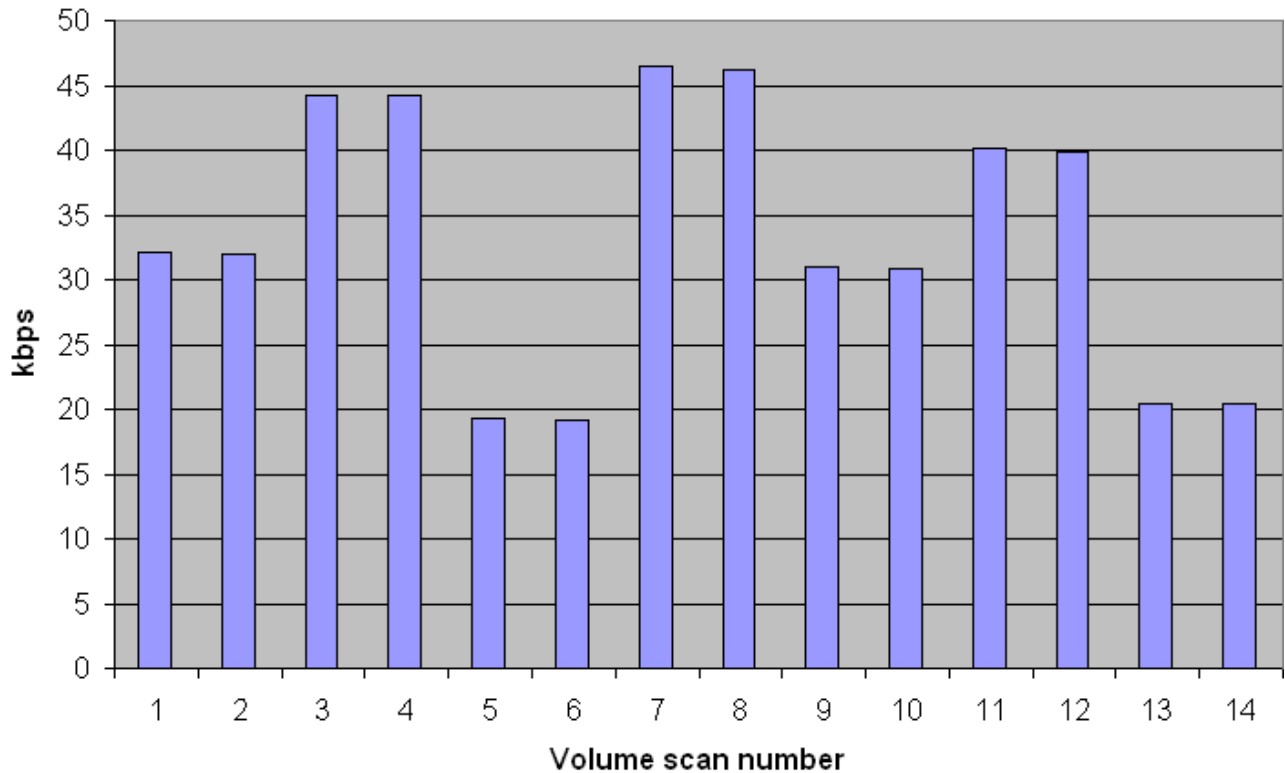**WSR-88D Build 10 Super-Res Level 2 Data Load Analysis**

Slide 4

Super-Res Level 2 Volume Scan Throughput
Oct.17, 2007 16:04 - 17:10Z   69Kbps Average

WSR-88D Build 10 Super-Res Level 2 Data Load Analysis

Slide 5

Recombined Level 2 Volume Scan Throughput
Oct. 17, 2007 16:04-17:10   33Kbps Average

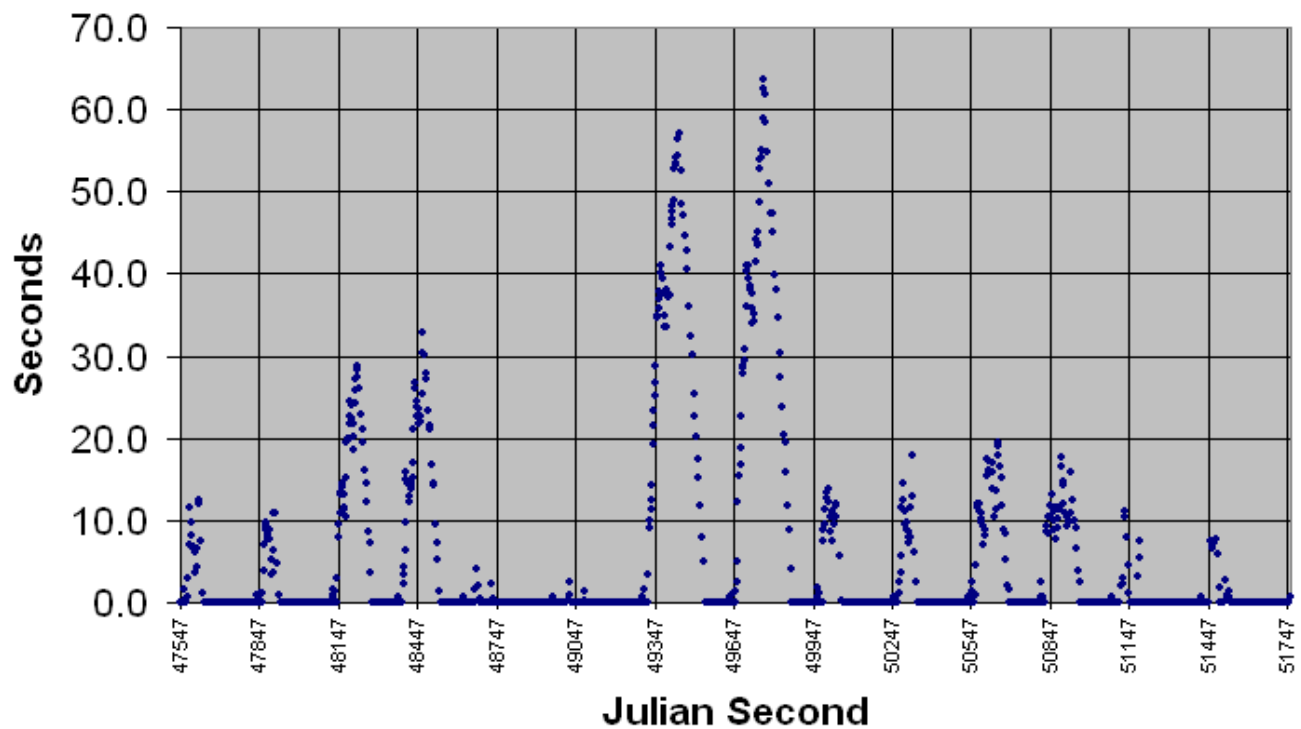**WSR-88D Build 10 Super-Res Level 2 Data Load Analysis**

Slide 6

Super-Res Level 2 Uncapped Burst Rate Kbps
Oct.17, 2007 16:04 - 17:10Z

WSR-88D Build 10 Super-Res Level 2 Data Load Analysis

Slide 7

Super-Res Level 2 Backlog Latency
Oct.17, 2007 16:04 - 17:10Z at 128 Kbps

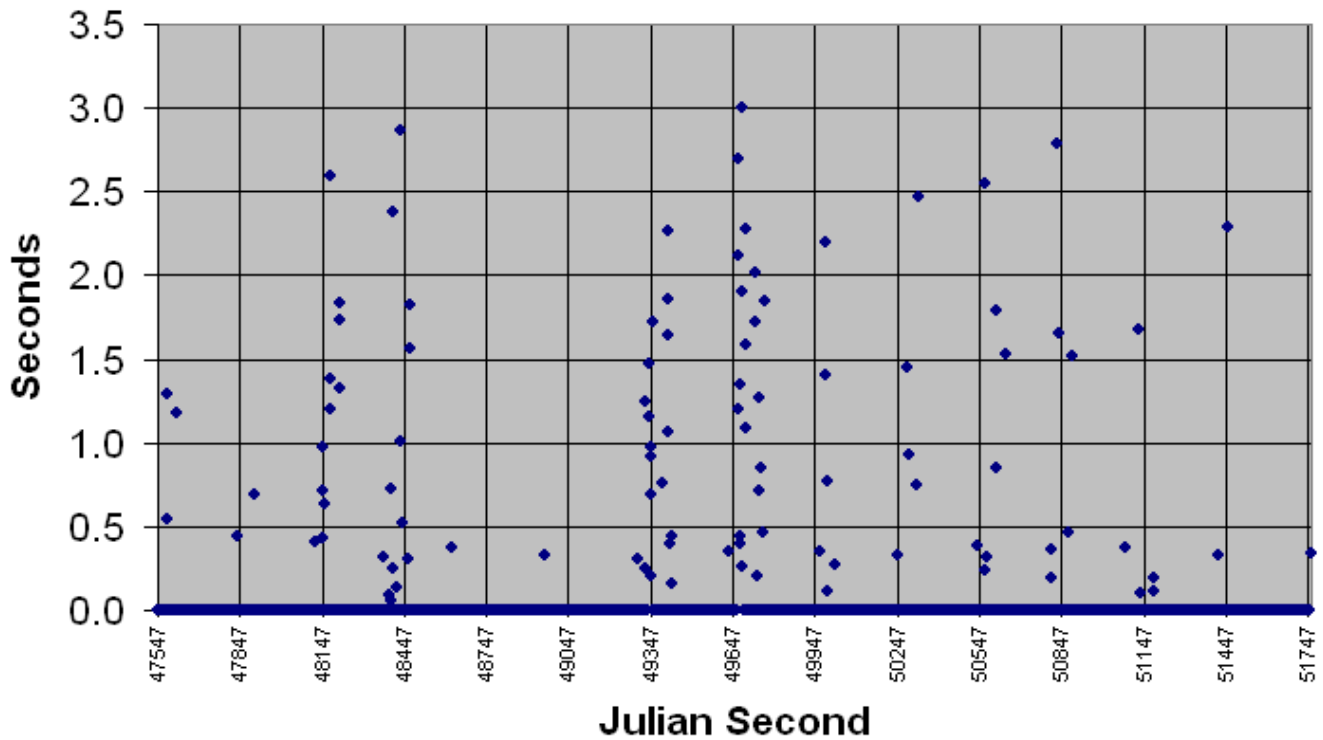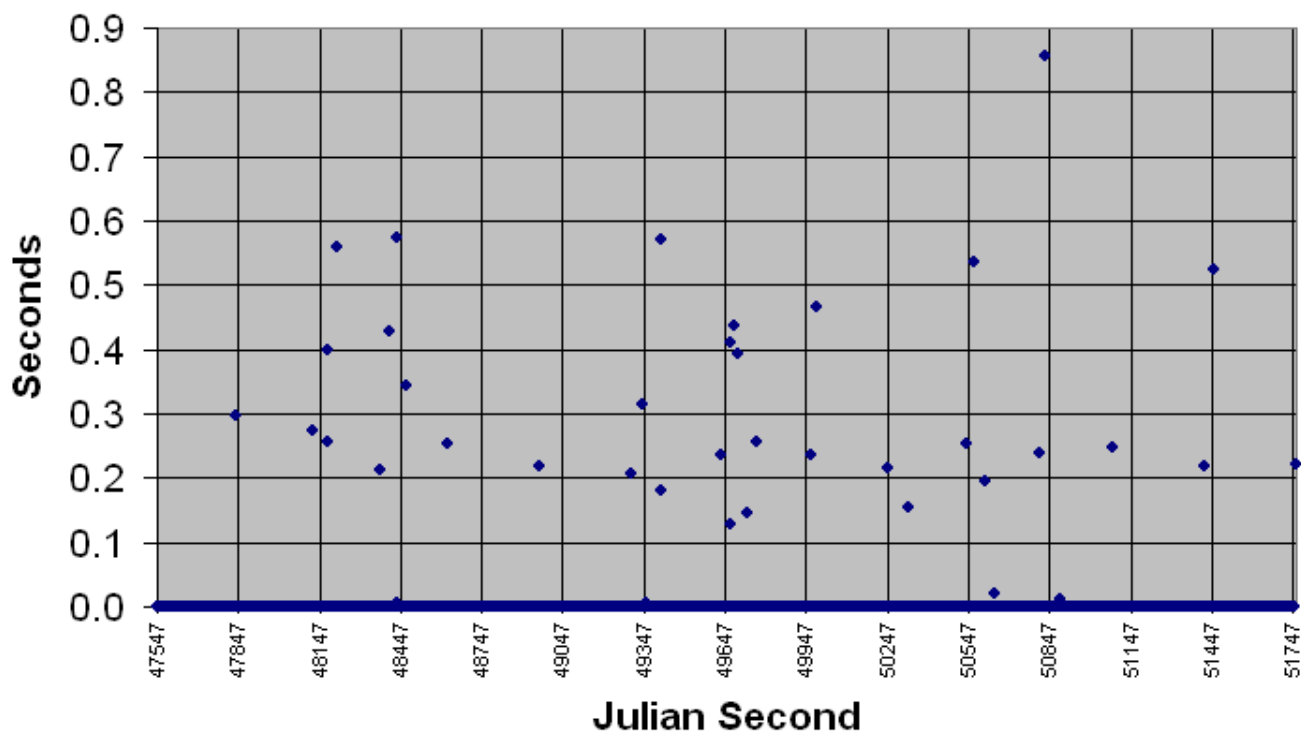**WSR-88D Build 10 Super-Res Level 2 Data Load Analysis**

Slide 8

Super-Res Level 2 Backlog Latency
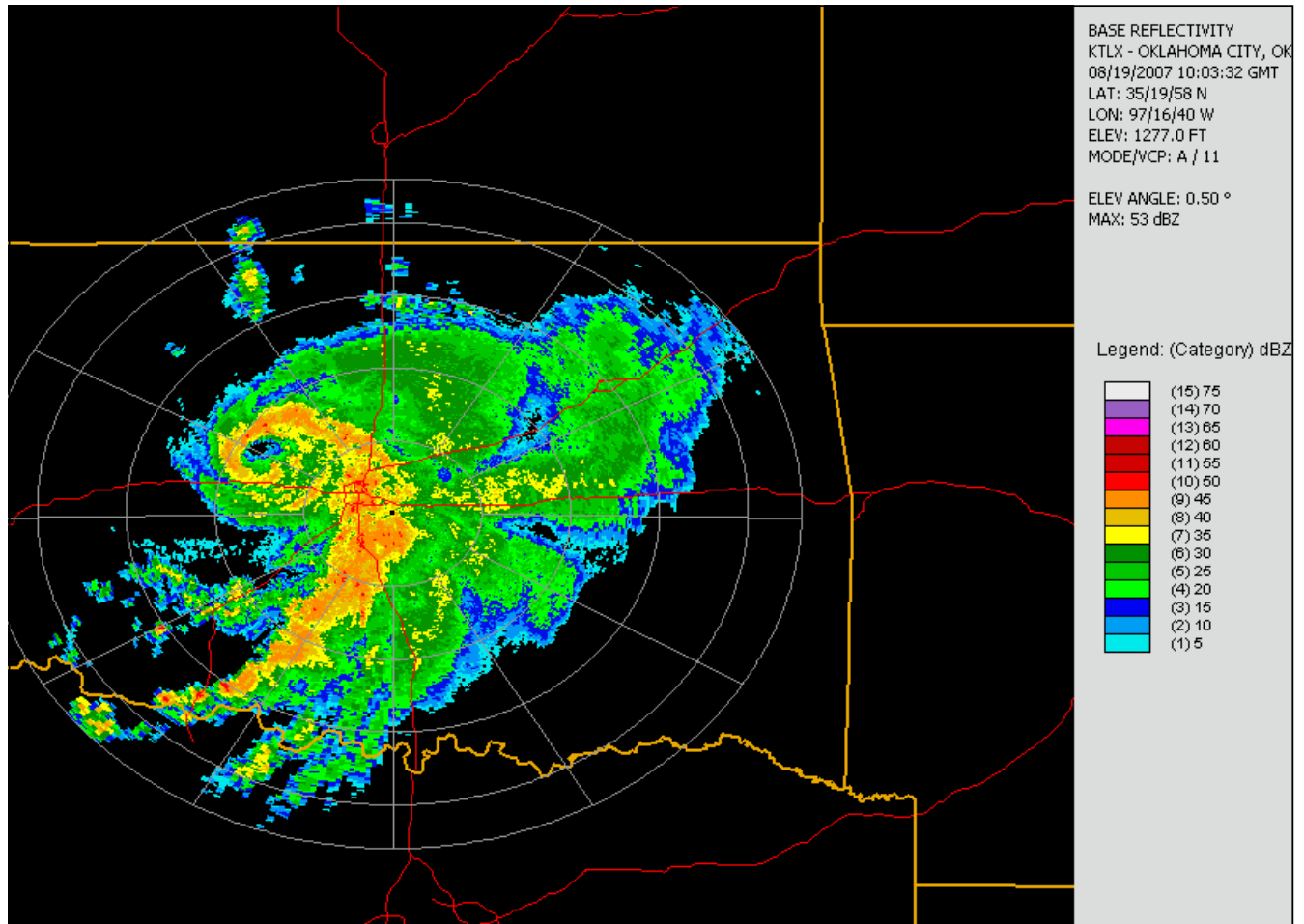## Oct.17, 2007 16:04 - 17:10Z at 256 Kbps

WSR-88D Build 10 Super-Res Level 2 Data Load Analysis

Slide 9

Super-Res Level 2 Backlog Latency
Oct.17, 2007 16:04 - 17:10Z at 384 Kbps

WSR-88D Build 10 Super-Res Level 2 Data Load Analysis
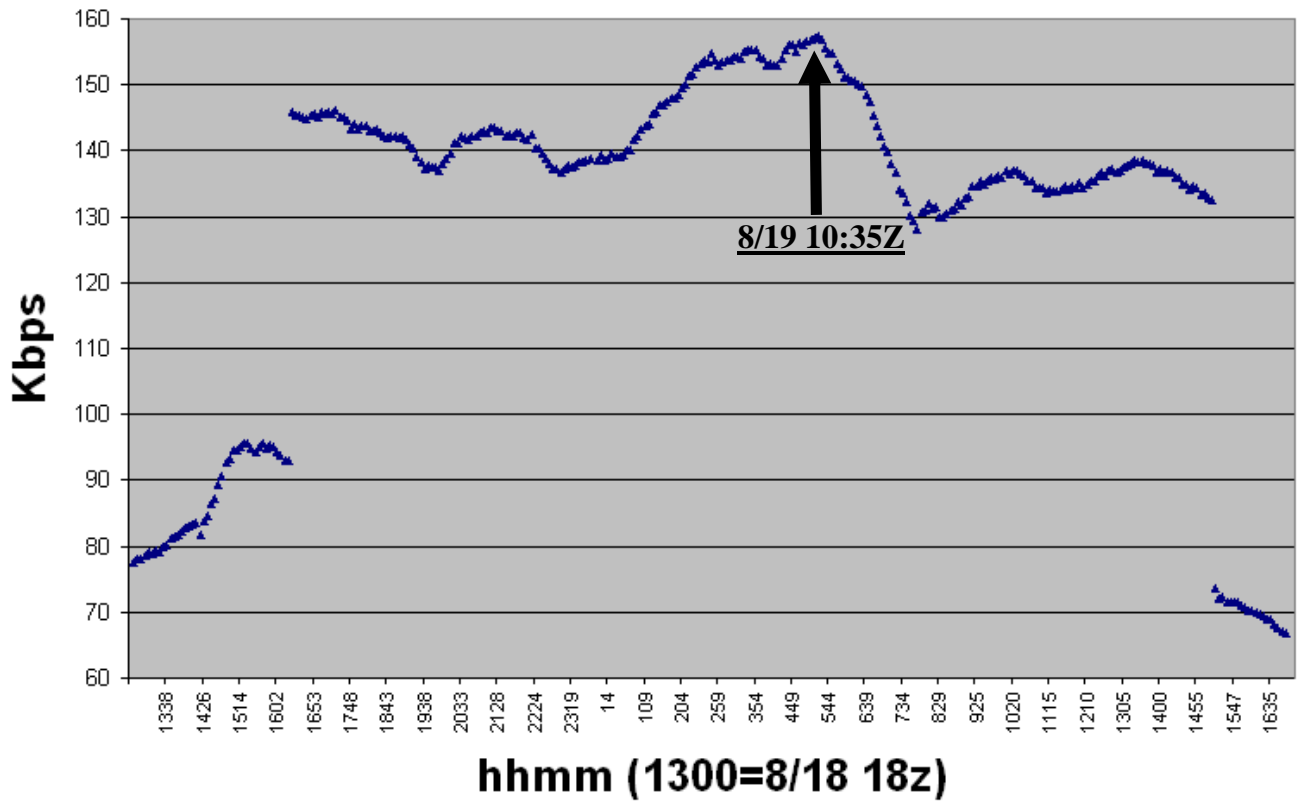
Slide 10

Build 10 KCRI Super-Res

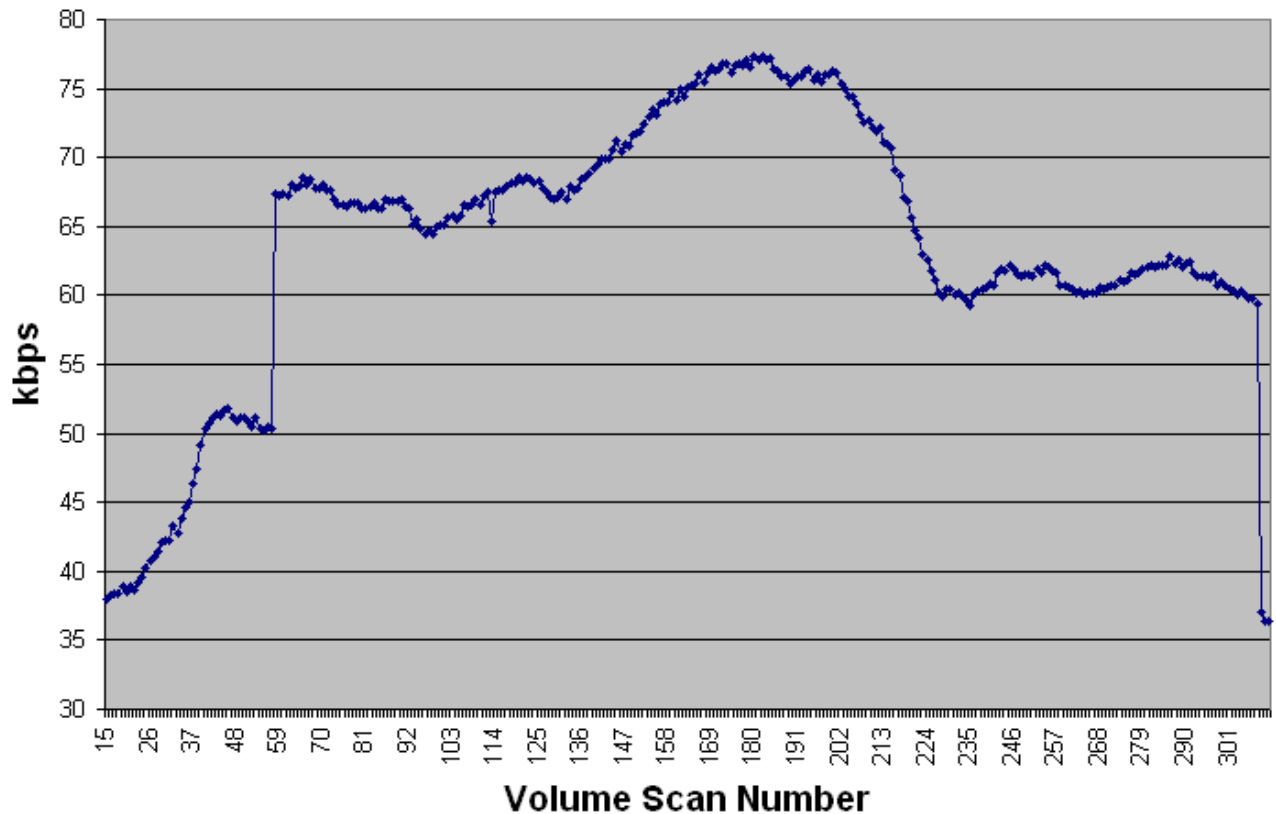## Erin 8/18-8/19 2007
Via LDM and playback

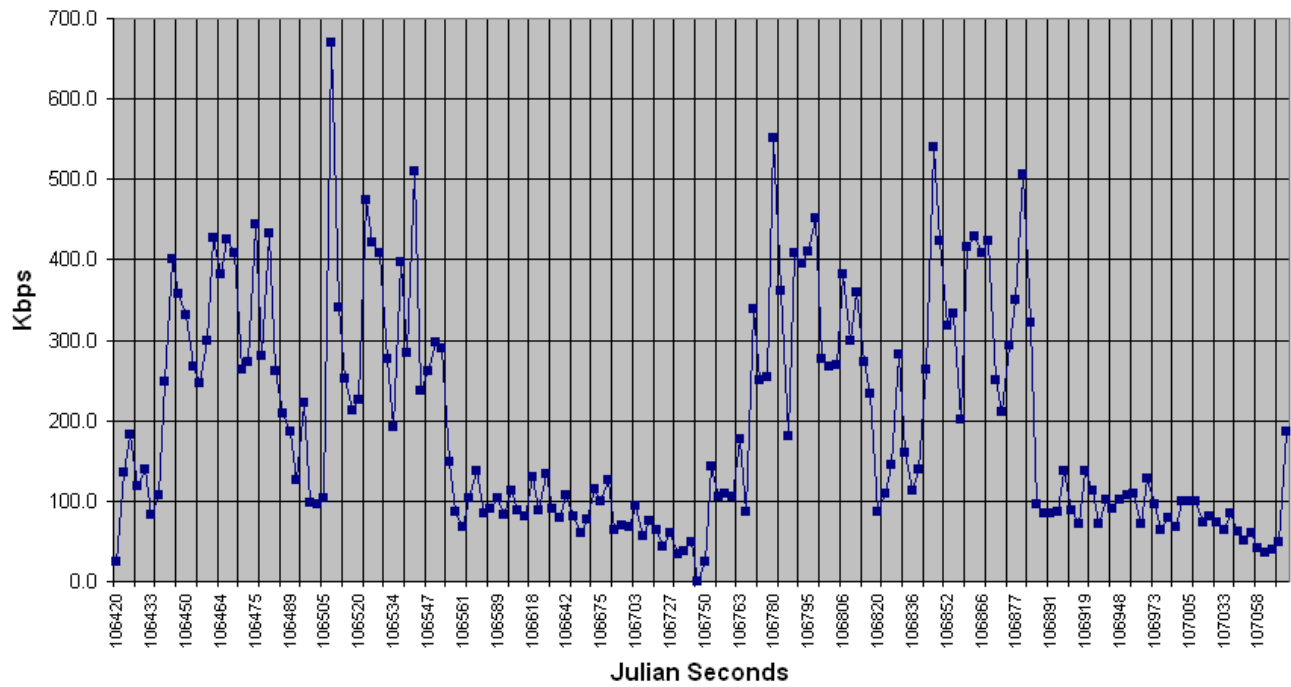Volume Scan Throughput (VCP 11 & 121)
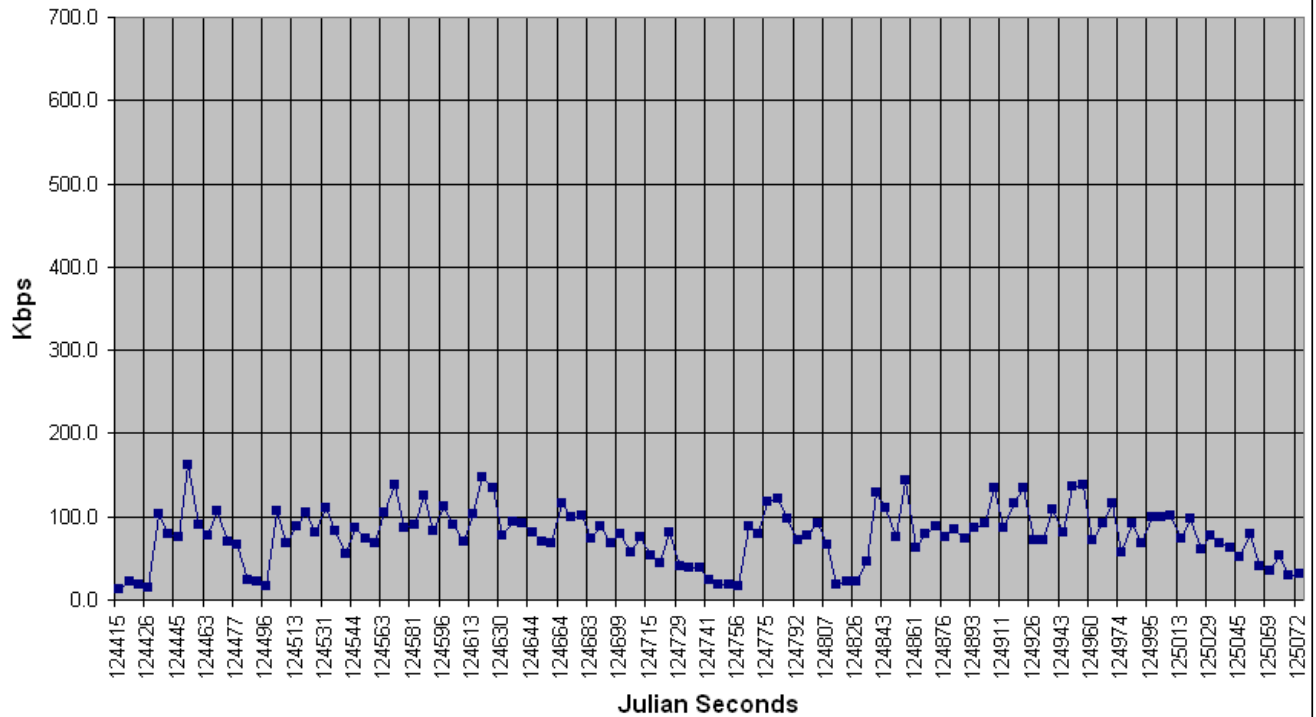8/18 18:02Z to 8/19 22:30Z

8/19 10:35Z

Recombined Volume Scan Throughput
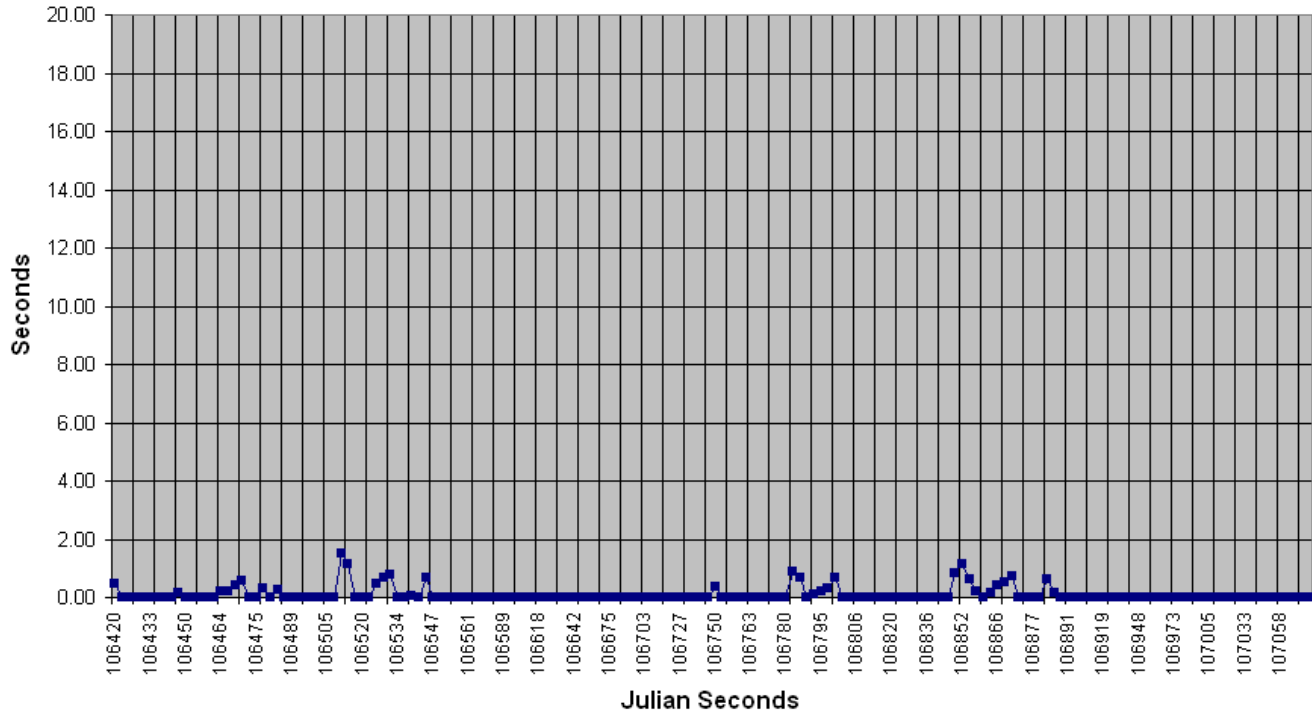(VCP 11 & 121) 8/18 18Z to 8/19 21Z

Super-Res Level 2 Uncapped Burst Rate 8/19 10:30Z
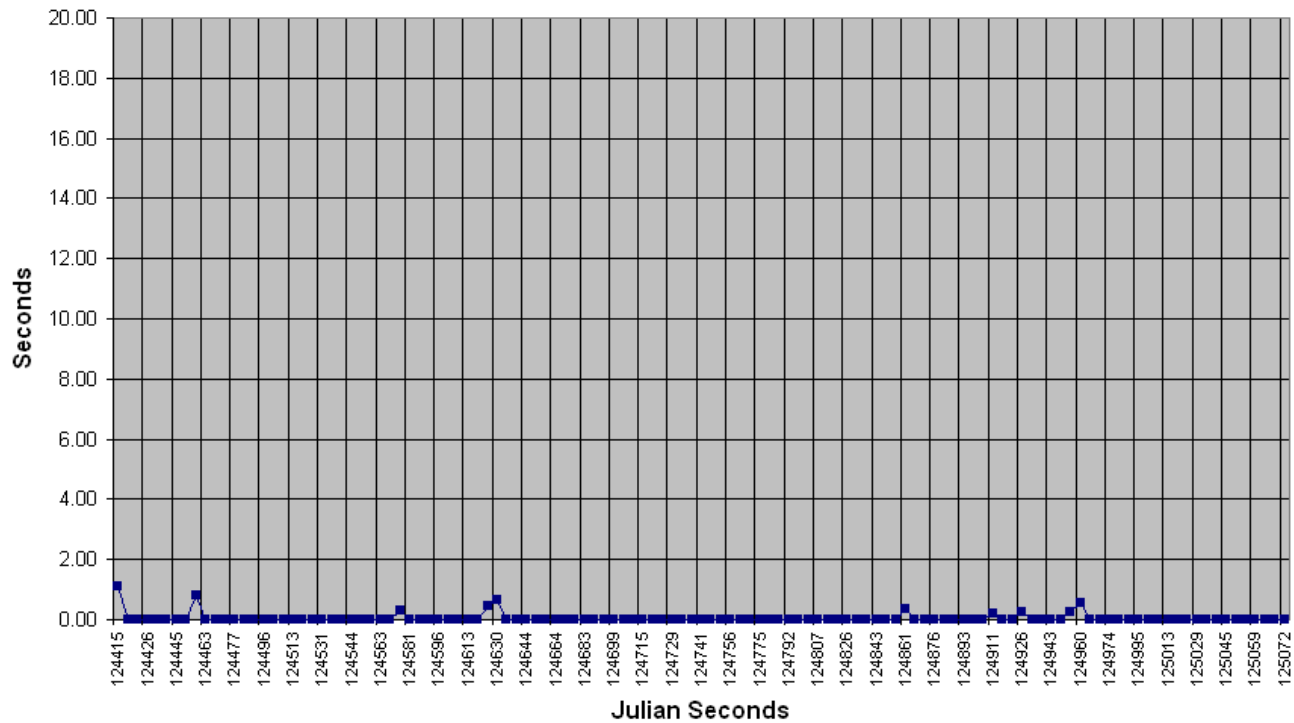
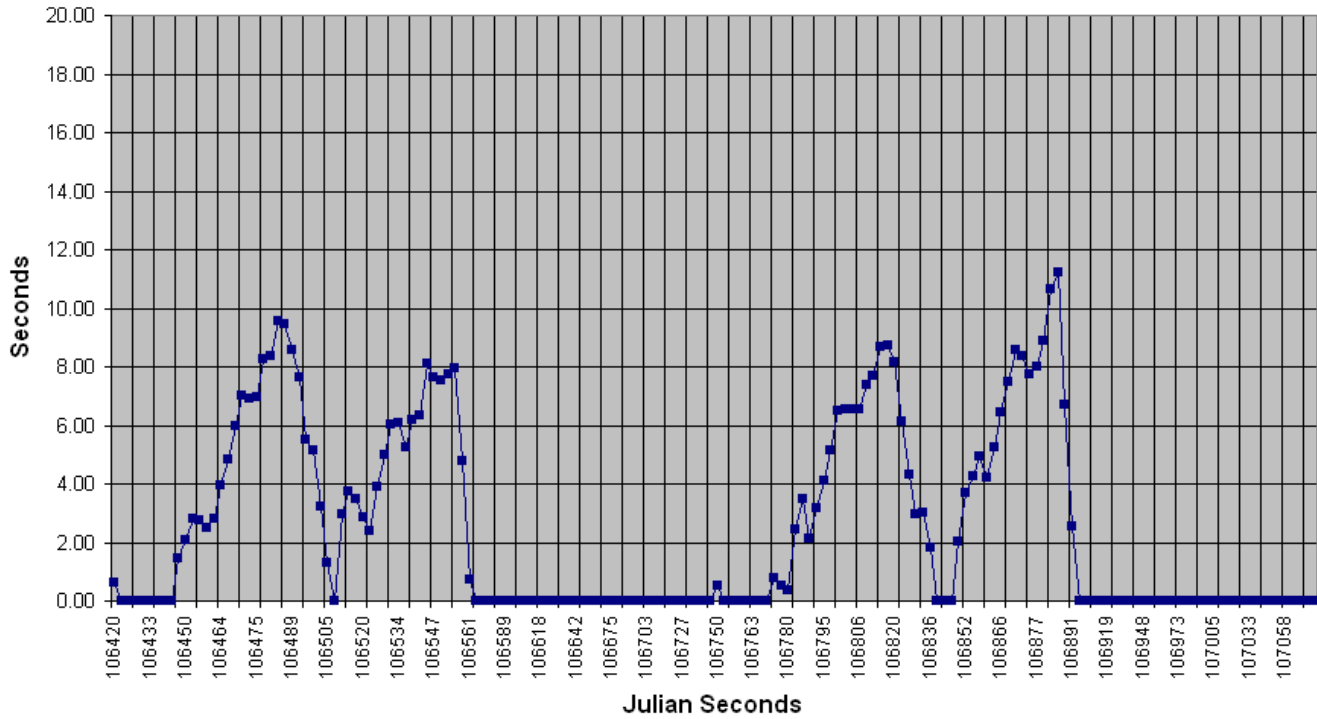## Recomb Level 2 Uncapped Burst Rate 8/19 10:30Z
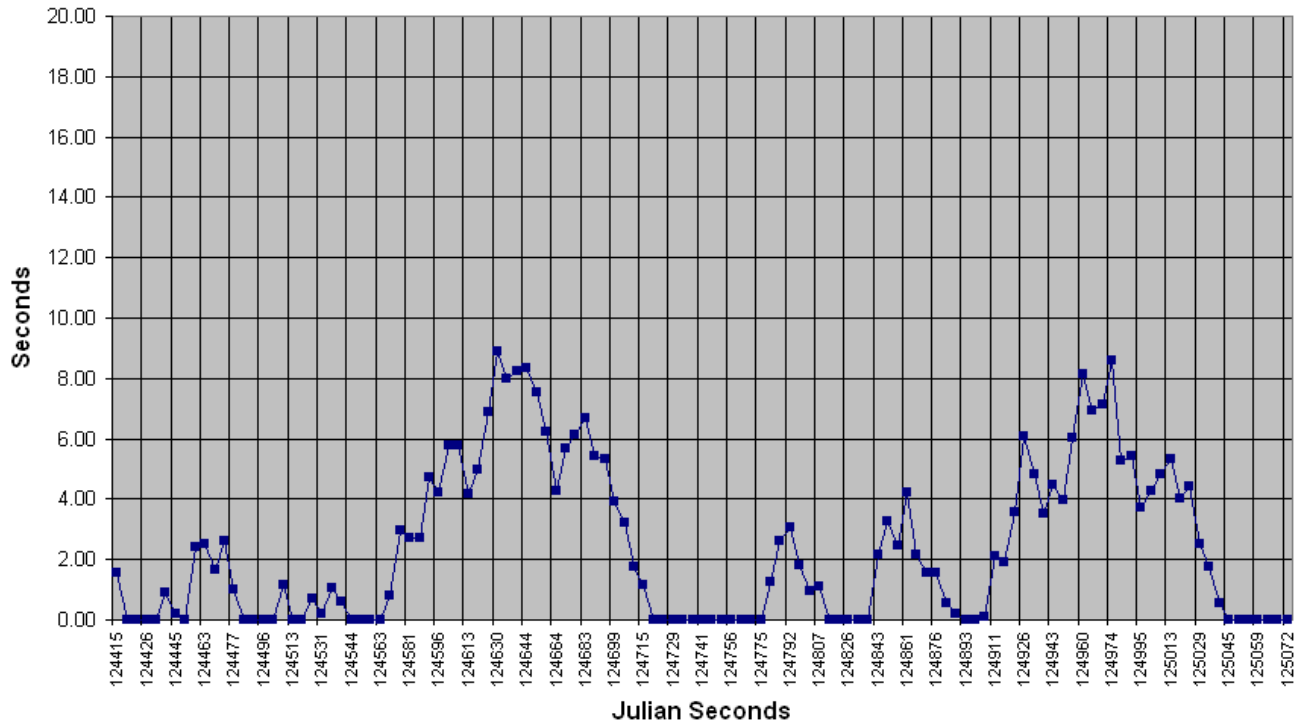
Super-Res Backlog Latency @ 384 Kbps 8/19 10:30Z

WSR-88D Build 10 Super-Res Level 2 Data Load Analysis

Slide 17

Recomb Backlog Latency @ 128 Kbps 8/19 10:30Z

WSR-88D Build 10 Super-Res Level 2 Data Load Analysis

Slide 18

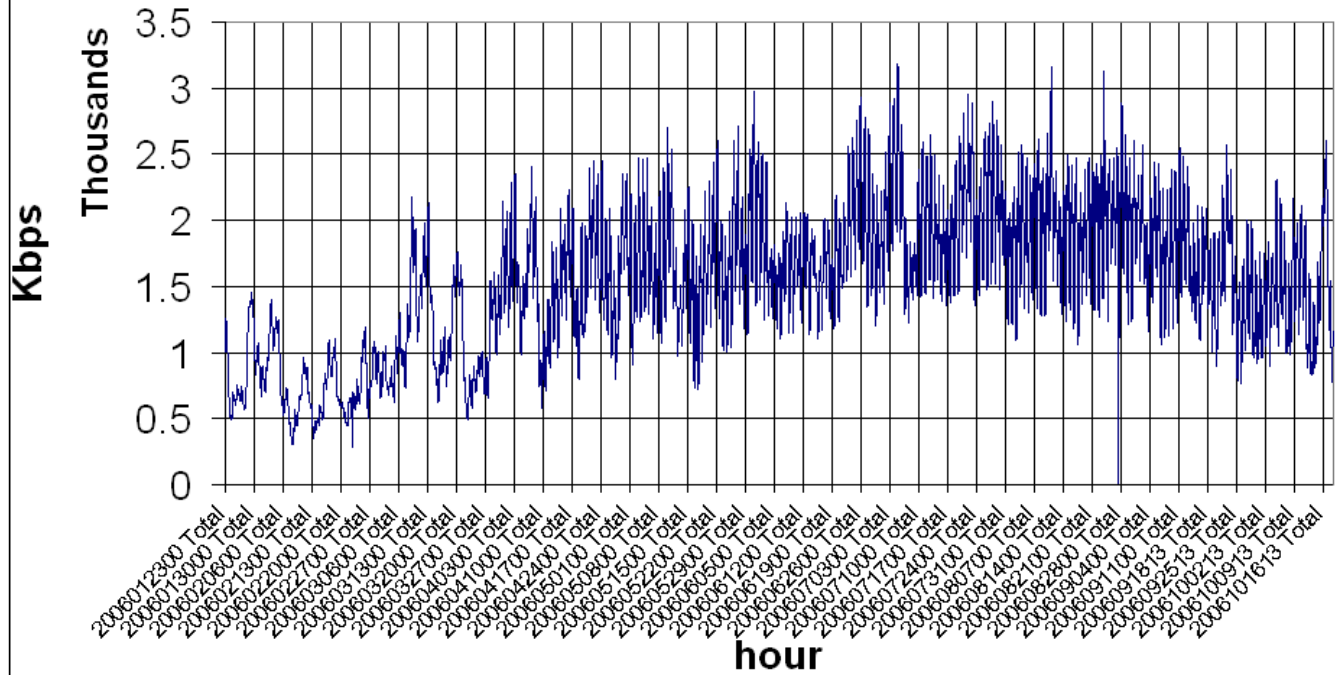Super-Res Backlog Latency @ 270 Kbps 8/19 10:30Z

Recomb Backlog Latency @ 90 Kbps 8/19 10:30Z

January 23 - October 18, 2006

Level 2 Collection Total Network Comms Load

October 1, 2006 - October 31, 2007
Level 2 Collection Total Network Throughput