
ARPSC

D3 Packet Test

Observations at W8KEA



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Abstract

This document summarizes the District 3 packet test as observed at W8KEA.

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1. Introduction

On January 28, 2012, the Third District of the Michigan Amateur Radio Public Service Corps held a district-wide test of VHF packet.

W8KEA is a high profile packet BBS located atop the Mid-Michigan Regional Medical Center. This is near the center of the District, and from that vantage point, the station can hear much of the traffic in the District.

This document summarizes the packet traffic observed at W8KEA.

2. Stations observed at W8KEA

During the course of the exercise, which ran for two hours in the morning, thirty-nine unique SSIDs were observed transmitting packets. The table below lists the stations heard and the number of packets heard from each SSID during the two-hour period.

Note that not all the stations in the table were participating in the test, but may have simply had digipeaters on the air during the test.

Station	Packets Heard
EOC26	5
EOC73	34
K8BZ	131
K8BZ-1	38
KB8PGW	1
KB8TAR-14	5
KB8TAR-15	85
KC8BKG	9
KC8BKG-3	1
KC8BKG-4	4
KC8FCW	85
KC8FCW-1	15
KC8FCW-15	26
KC8FCW-4	27
KD8CLM-15	5
KD8HBK-1	54
KD8HBK-14	125
KD8KDP	338
KD8KDP-4	86
MICARO	56
N8ERL-10	37
N8ERL-11	66
N8ERL-4	10
NX8A-2	291
TAWAS	553
W8COP-6	101
W8KEA-3	917
W8KEA-4	65

Station	Packets Heard
W8LSS	8
W8LSS-4	6
WB8FYR-3	75
WB8FYR-4	4
WB8RCR-15	36
WB8RCR-3	56
WB8RCR-4	12
WB8WJV-8	120
WX8CSB	424
WX8CSB-1	16
WX8CSB-4	23

Table 1. Stations copied during packet test

3. Traffic volume at W8KEA

During the course of the test, traffic built as more stations came on the air. By approximately 10:30 AM traffic leveled off, and held more or less constant until the end of the test when most stations secured.

During the course of the drill, approximately 4000 packets were received at W8KEA.

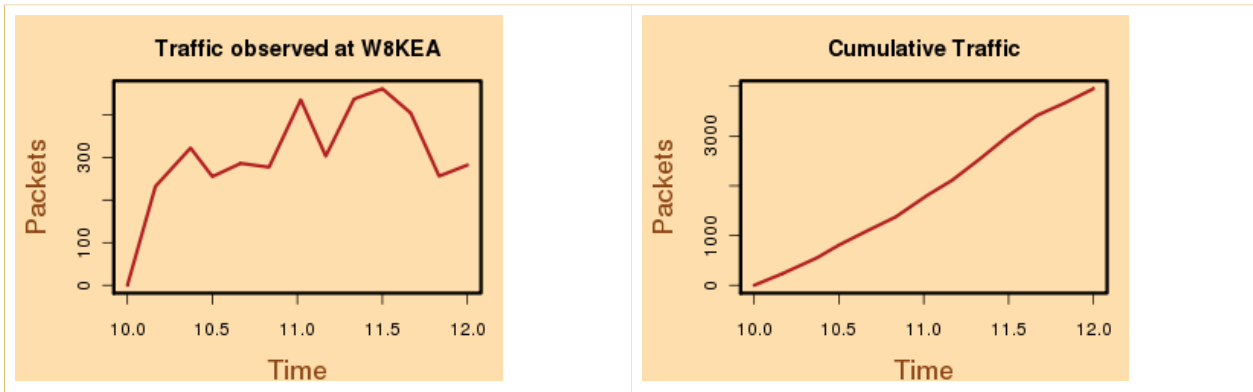
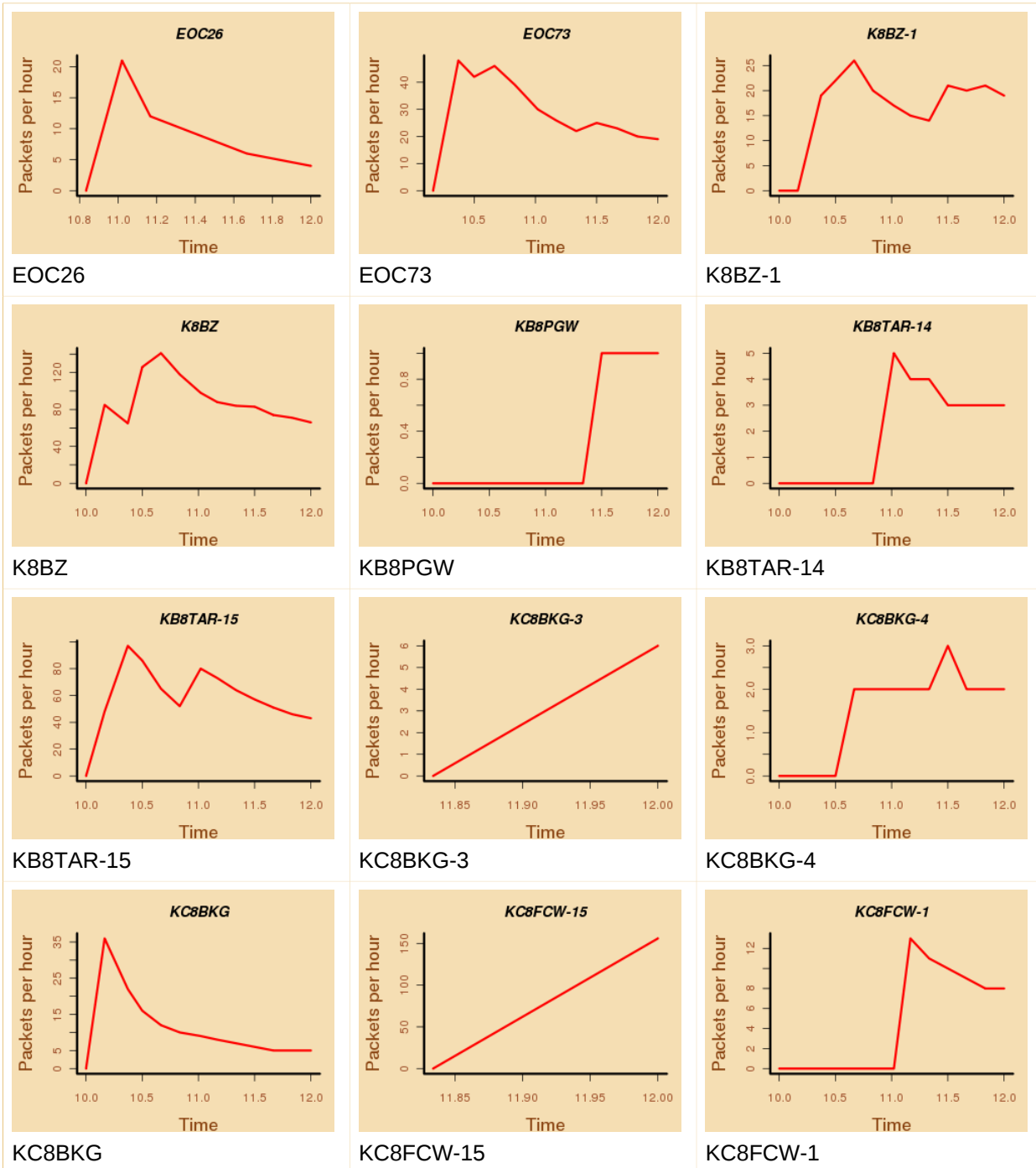


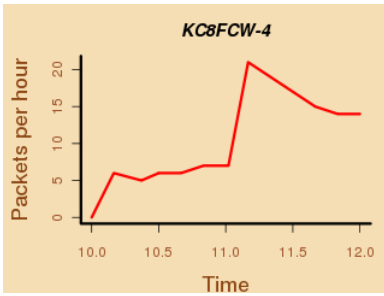
Table 2. Aggregate Rates

4. Individual Station Rates

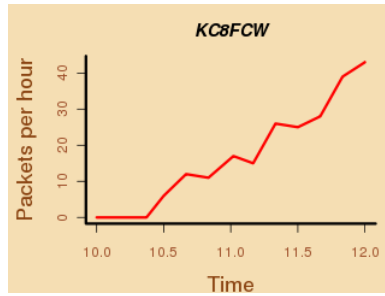
Individual stations had widely varying profiles. Some stations started late, others finished early. Most stations saw peak traffic toward the middle of the exercise. A surprising number peaked toward the end of the drill when many stations had secured.



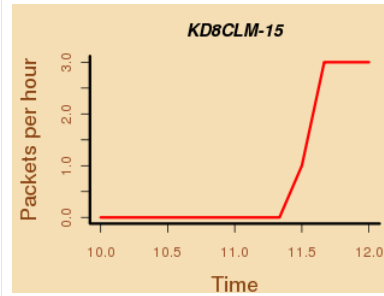
D3 Packet Test



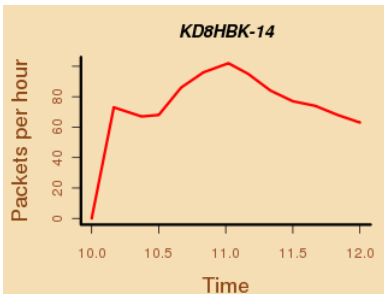
KC8FCW-4



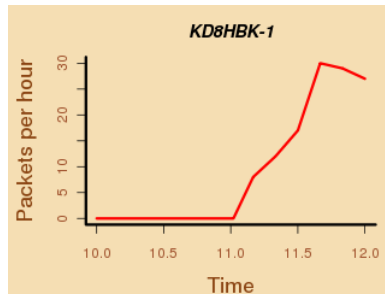
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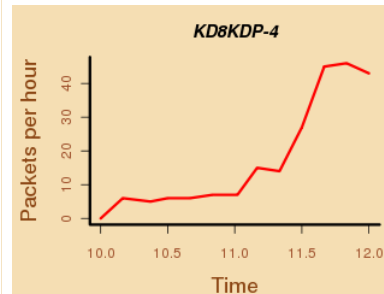
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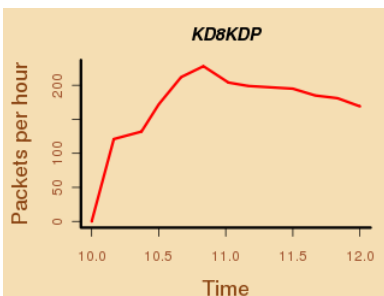
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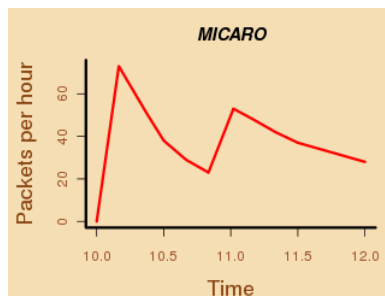
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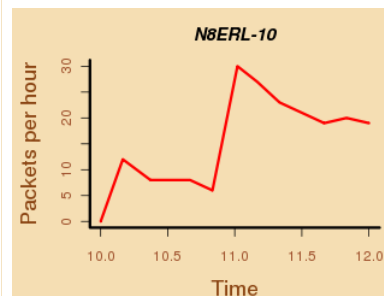
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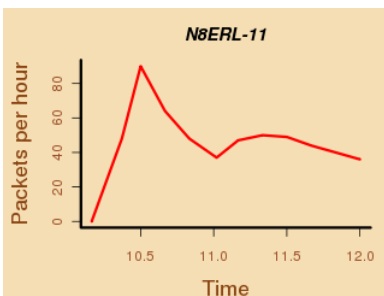
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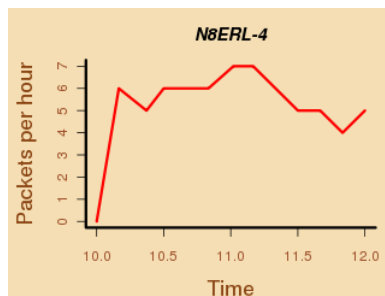
MICARO



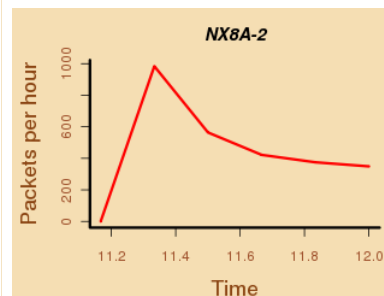
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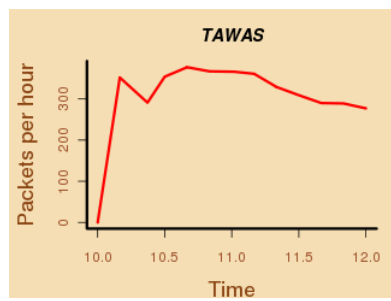
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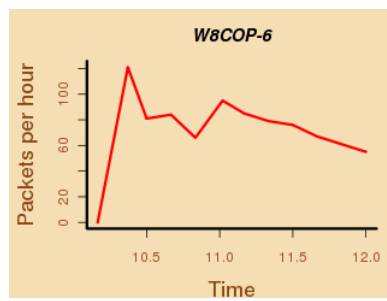
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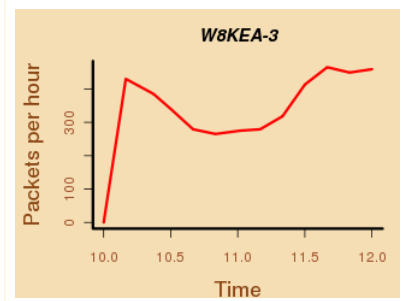
NX8A-2



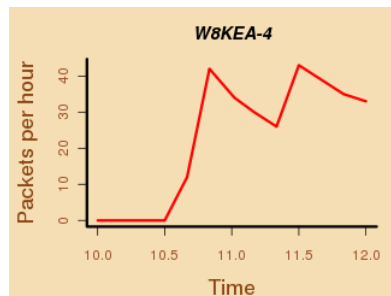
TAWAS



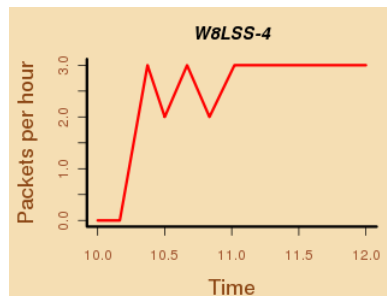
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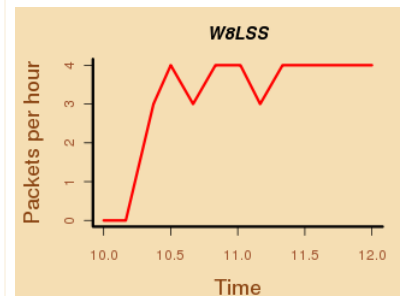
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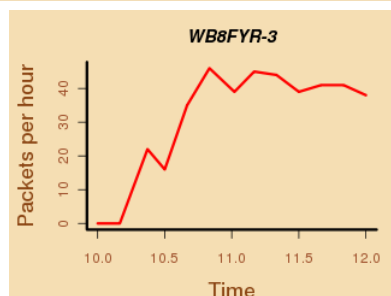
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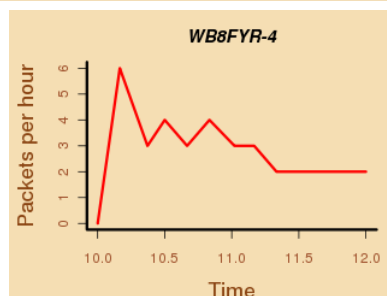
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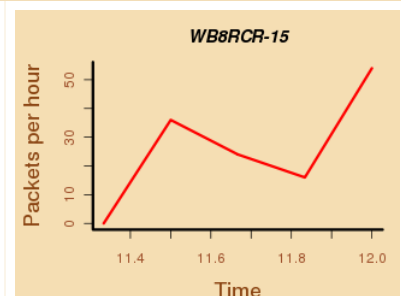
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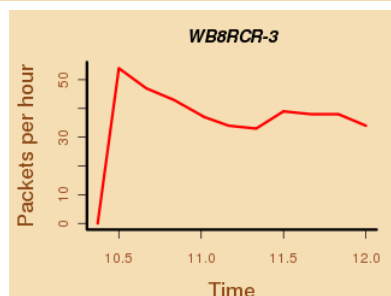
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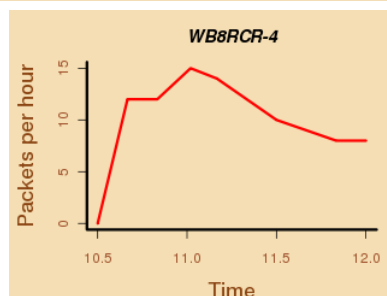
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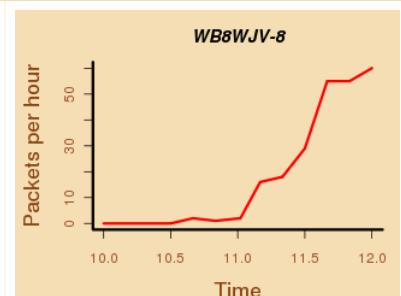
WB8RCR-15



WB8RCR-3



WB8RCR-4



WB8WJV-8

D3 Packet Test

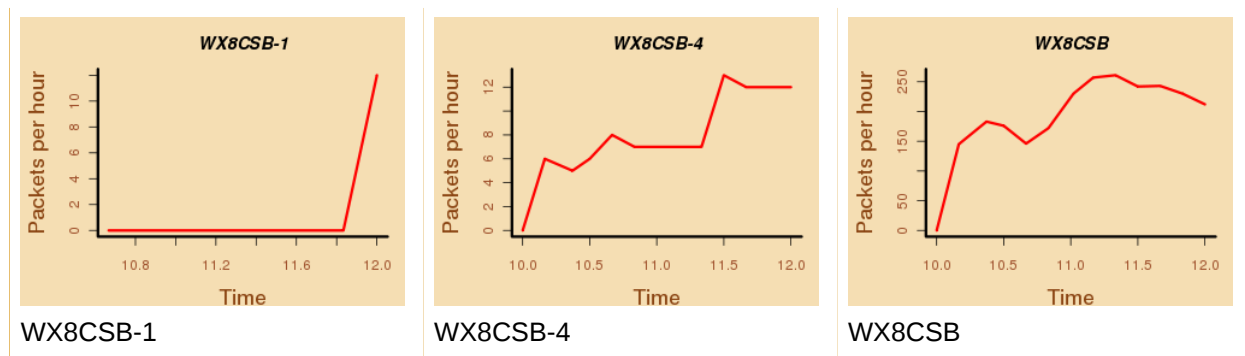


Table 3. Individual Station Rates

A. Revision History

Revision 1 Sun Jan 29 2012
Initial draft

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