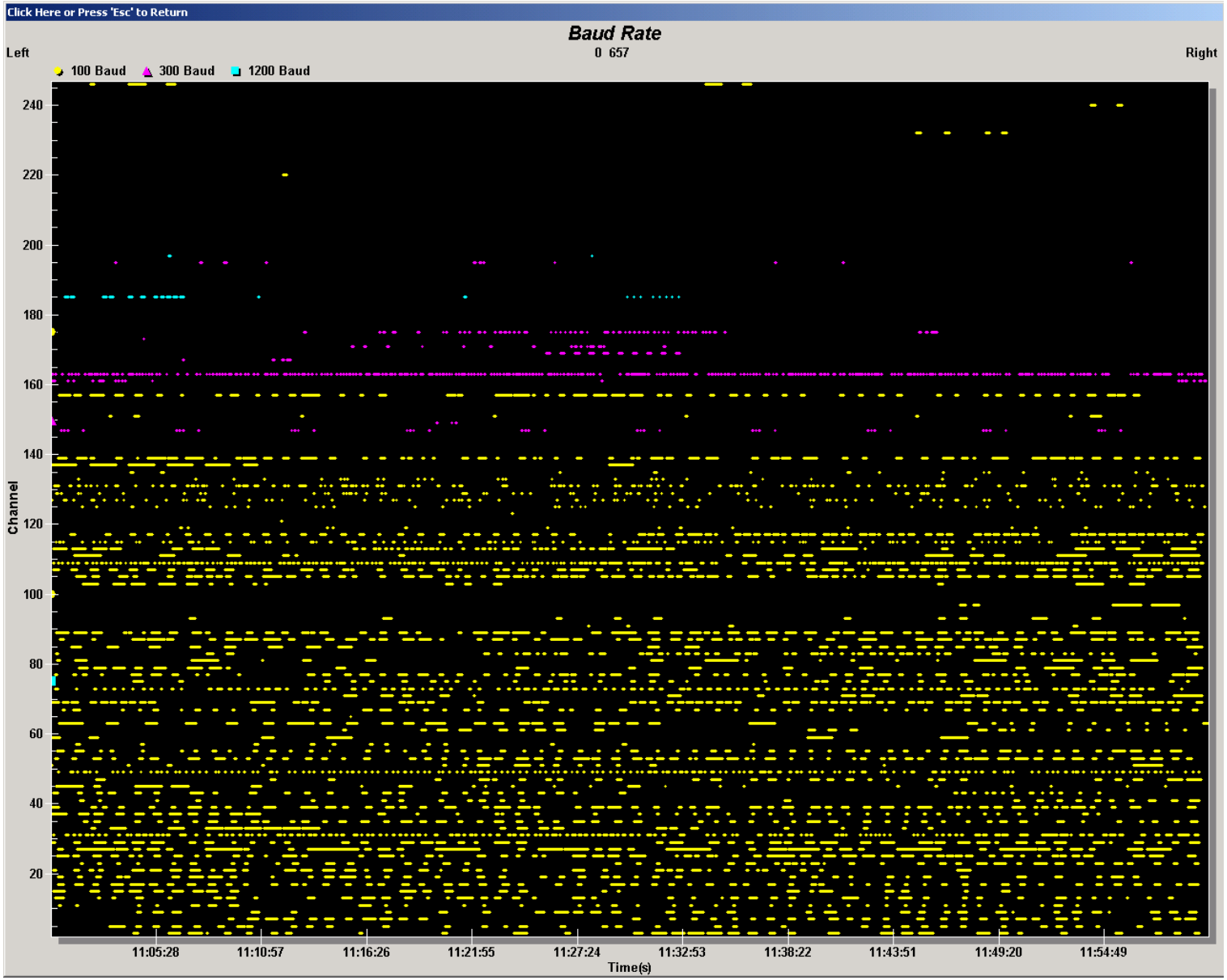
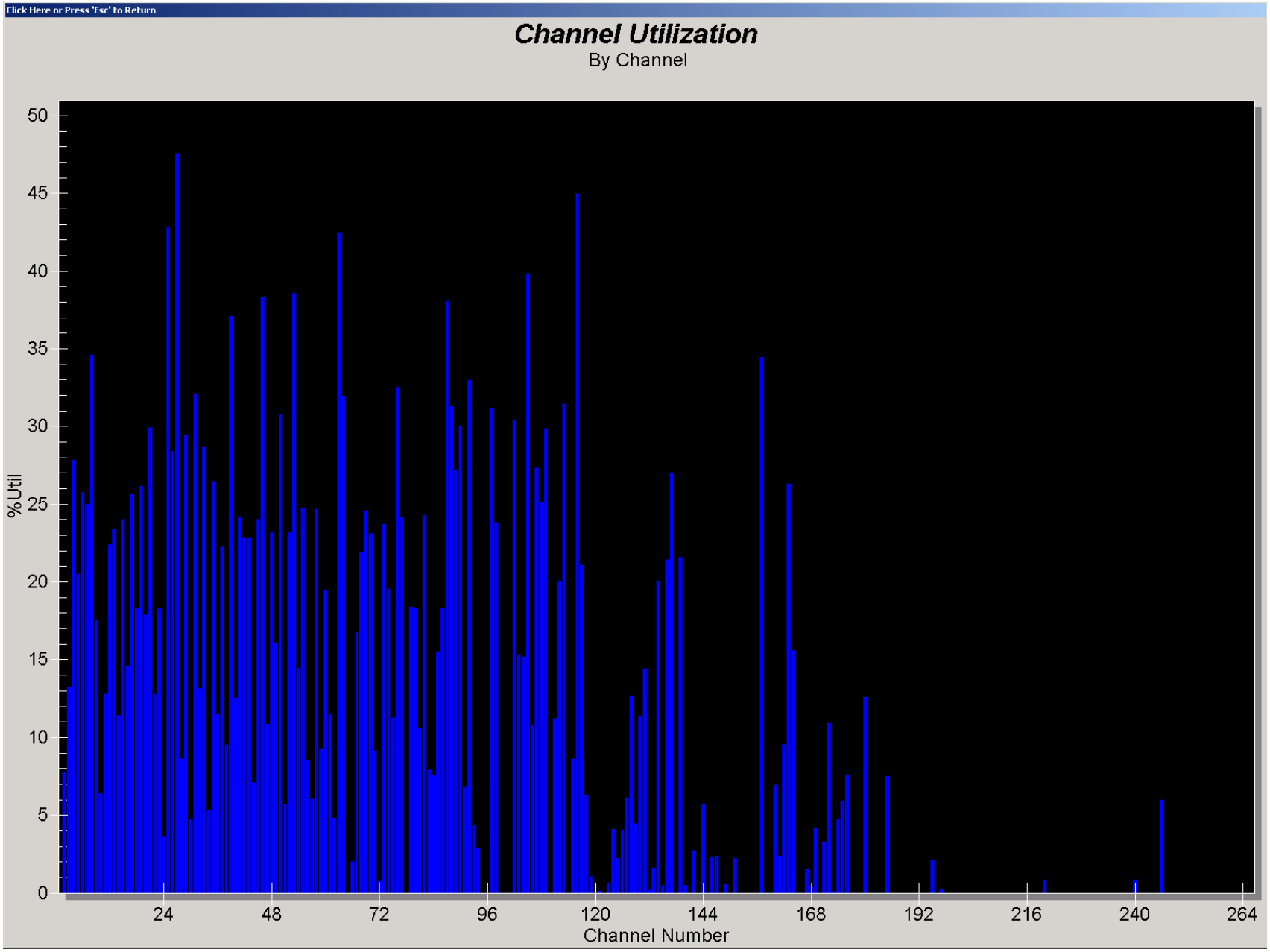
GOES DCS

Current Performance

2004


Click Here or Press 'Esc' to Return
Baud Rate
Left
0 657
Right
100 Baud
300 Baud
1200 Baud
Channel
240
220
200
180
160
140
120
100
80
60
40
20
11:05:28
11:10:57
11:16:26
11:21:55
11:27:24
11:32:53
11:38:22
11:43:51
11:49:20
11:54:49
Time(s)


Click Here or Press 'Esc' to Return
Channel Utilization
By Channel
%Util
0
5
10
15
20
25
30
35
40
45
50
24
48
72
96
120
144
168
192
216
240
264
Channel Number

Channel Utilization

Total Band	9.46%
Channels 1-200	12.54%
Channels 2-98	19.0%
Blank 1500 Hz Channels	111
Channels < 10%	58
Channels 30-47.6%	21
Spectrum Use Estimate	5%

Basic Counts

- Number Messages per day total is about 200,000
- 99807 on West
- 90486 on East

GOES East Activity

Baud	#IDs Reporting	# Msgs	Avg, Msg Sec
100	7089	78854	15.3
300	487	11064	3.7
1200	49	568	6.8

GOES EAST 24 Hours on January 7,2004

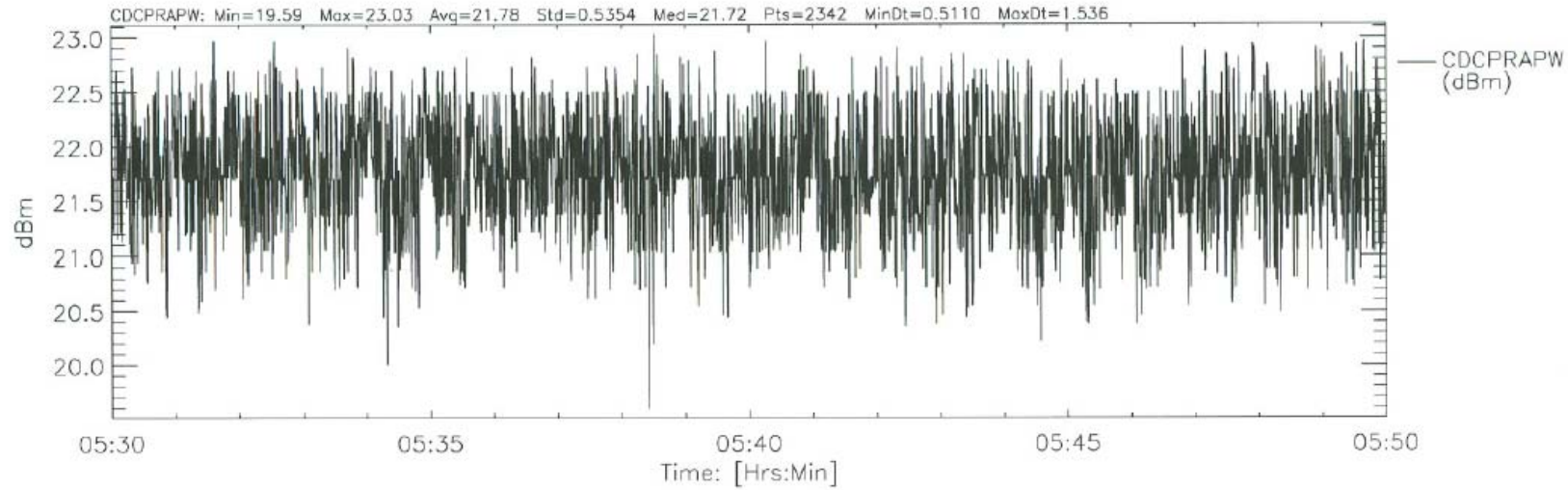
GOES West Activity

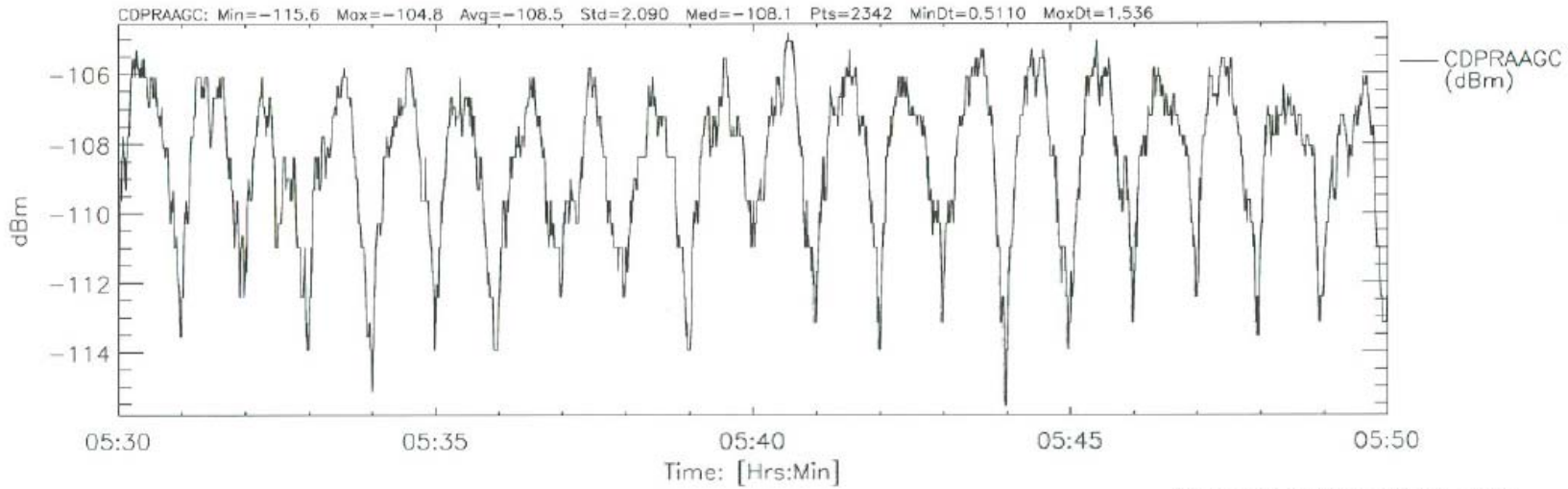
Baud	#IDs Reporting	# Msgs	Avg, Msg Sec
100	5968	85248	11.8
300	707	14142	2.9
1200	20	417	12.1

GOES WEST 24 Hours on January 7, 2004

2004/076/05:30:00–2004/076/05:50:00
ALL POINTS RETRIEVED
Eric Chipman (Imager/Sounder)

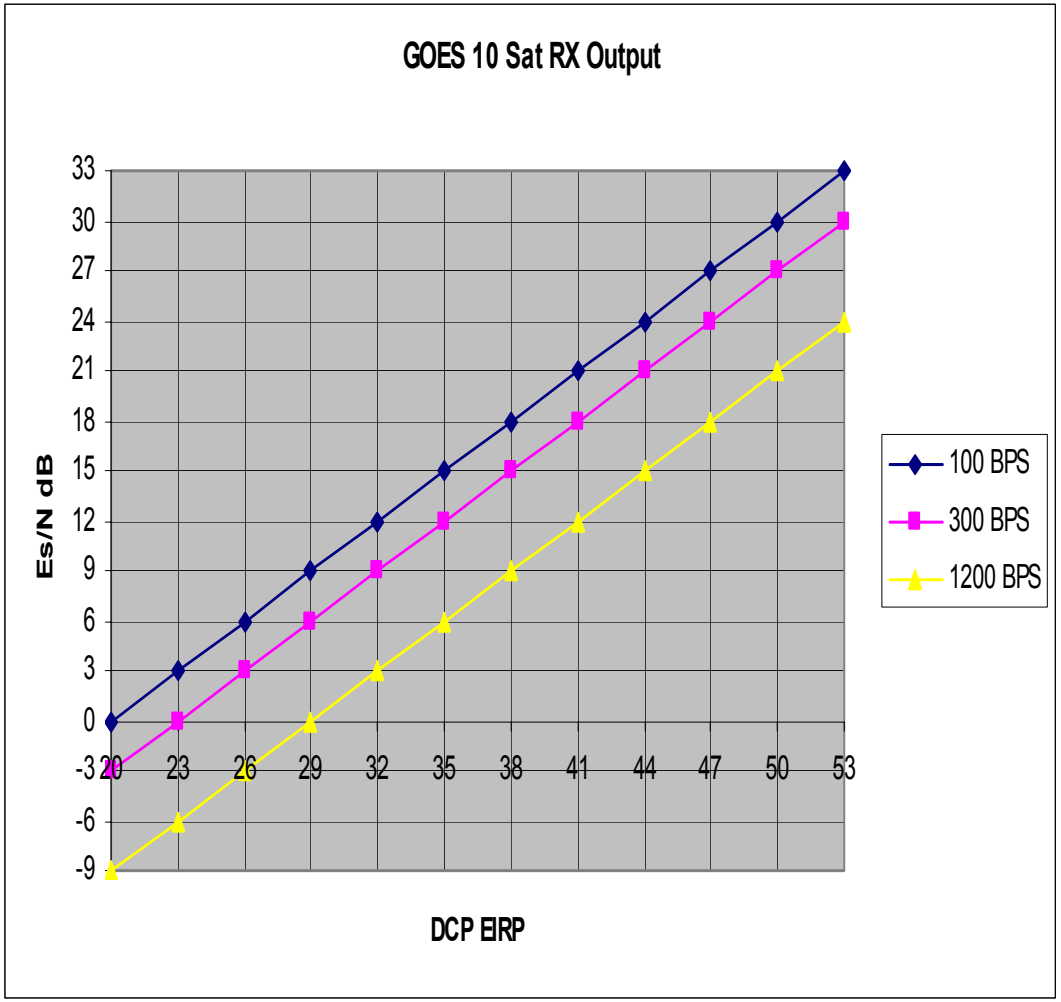
Page: Untitled SC12 (TEST1)
Tue, 16–Mar–2004 21:05:39
Minor Frame Quality: 99.96%





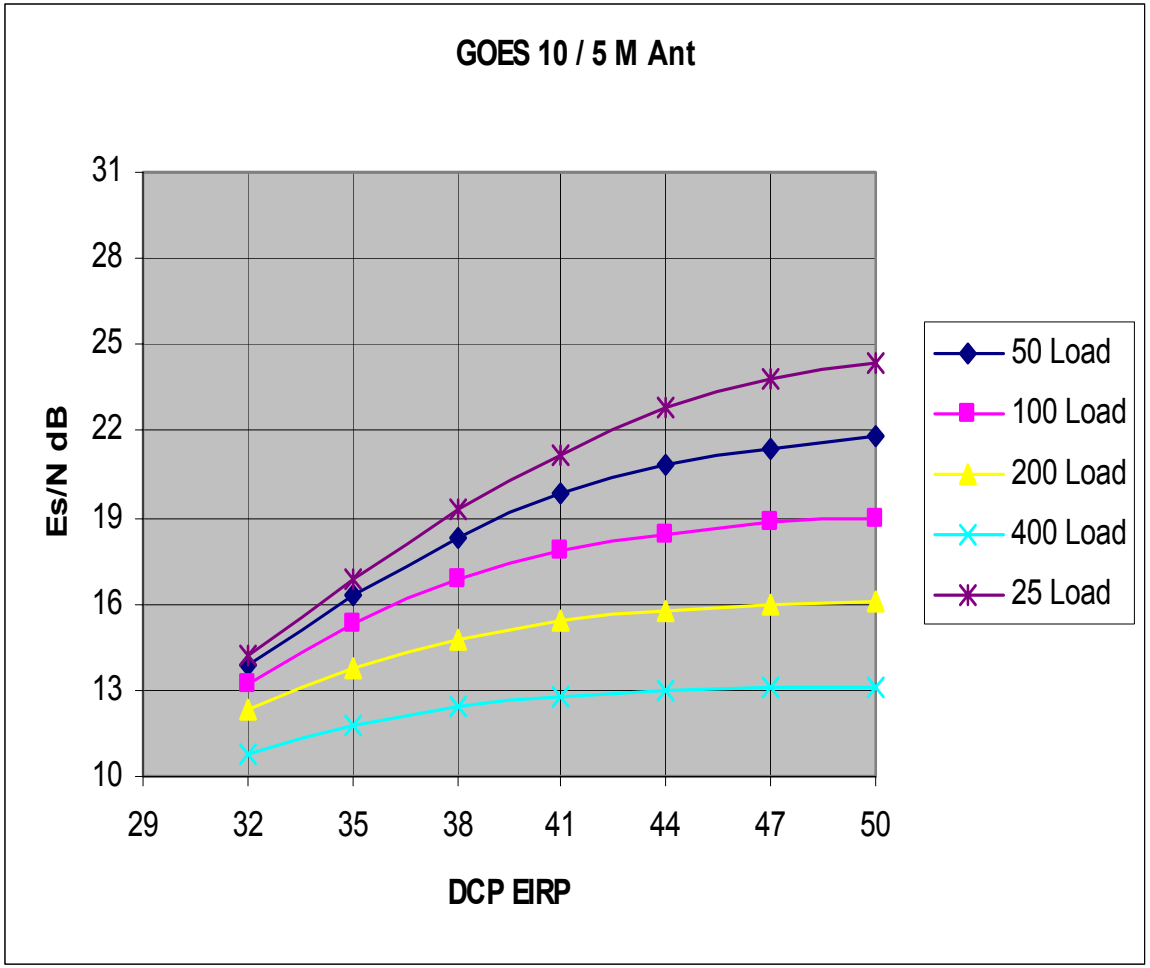
GOES GEAS II v0207.1 (07–31–02)

GOES 10 Satellite RX C/N



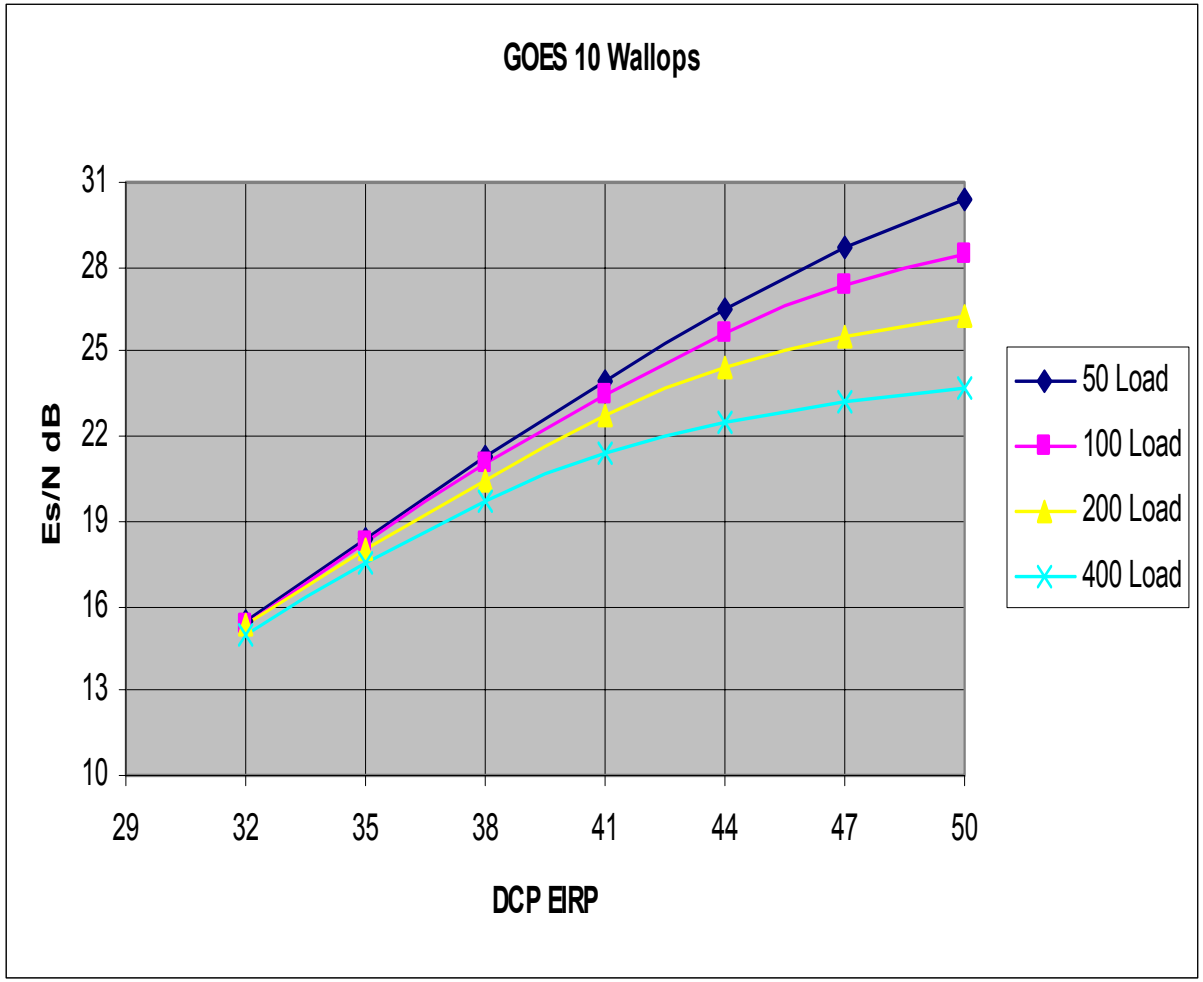
- GOES 10 G/T =-15.4
- 350 K and 10.2 dB Ant.
- RX in does not saturate!
- AGC on TX out in control

GOES 10 5 M DRGS



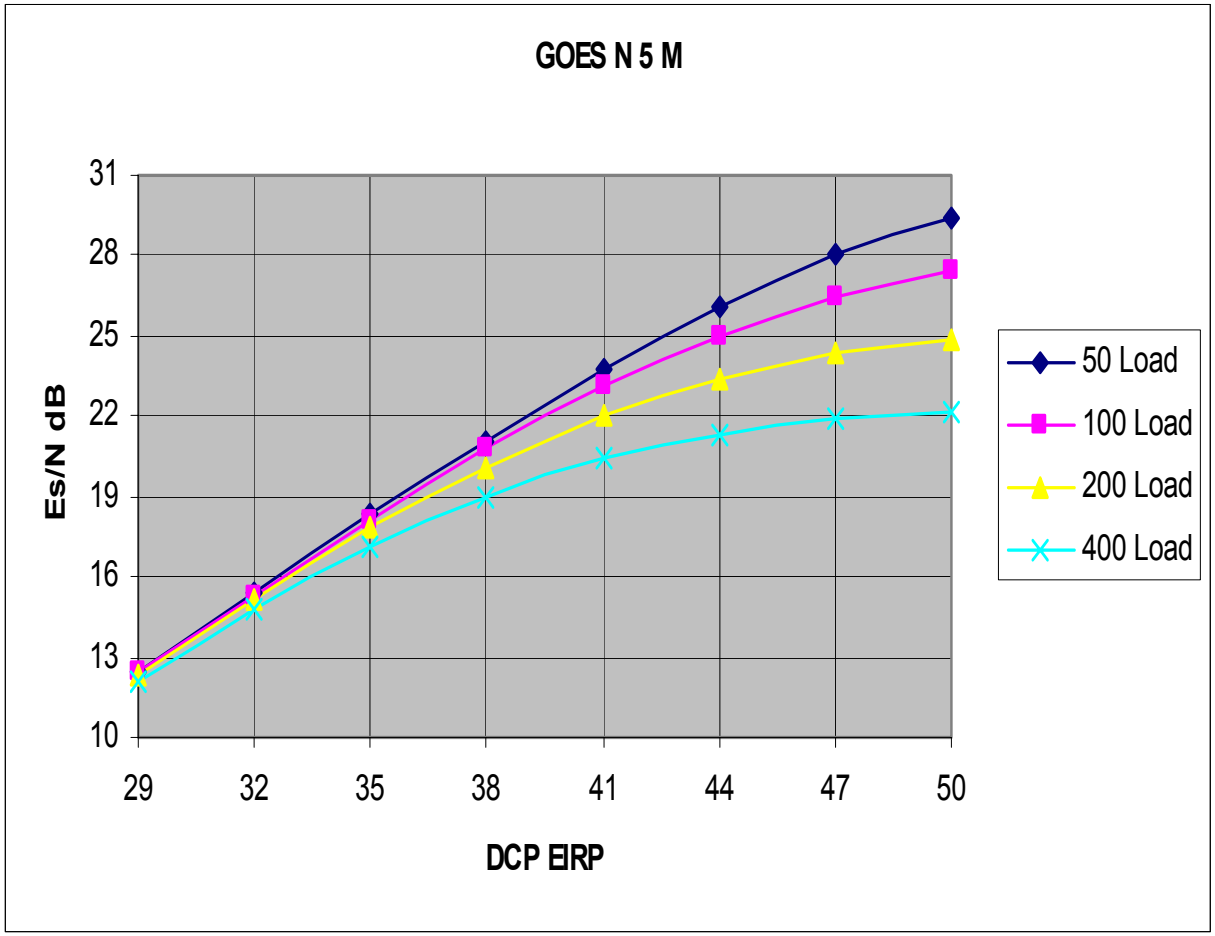
- G/T of 16
- Sat EIRP of 36.6

GOES 10 Wallops



- G/T of 27
- Sat EIRP of 36.6

GOES N 5 M DRGS



- G/T of 16
- Sat EIRP of 46

Observations

- 1:1 change in Es/N for DCP EIRP indicates uplink control
- 1:1 change in Es/N for Sat Load indicates downlink control
- For 5 M DRGS GOES 10 Downlink control
- For Wallops GOES 10 Up Link Control
- GOES N EIRP makes a 5 M DRSG look like Wallops
- GOES N will permit lower EIRPs
- Some operating point definition that indicates a % of uplink and down link control might be invented.
- Improved performance data can be taken