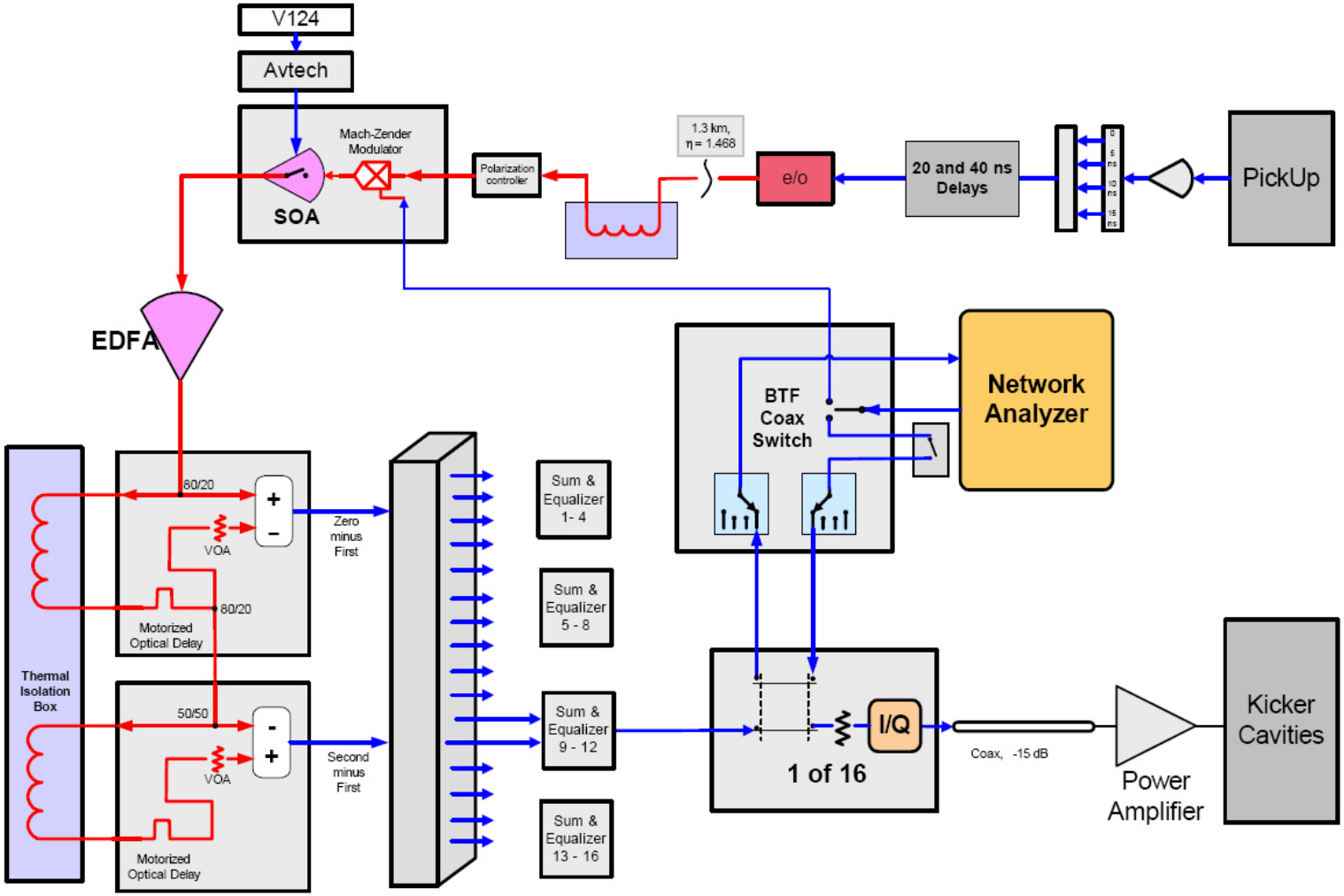
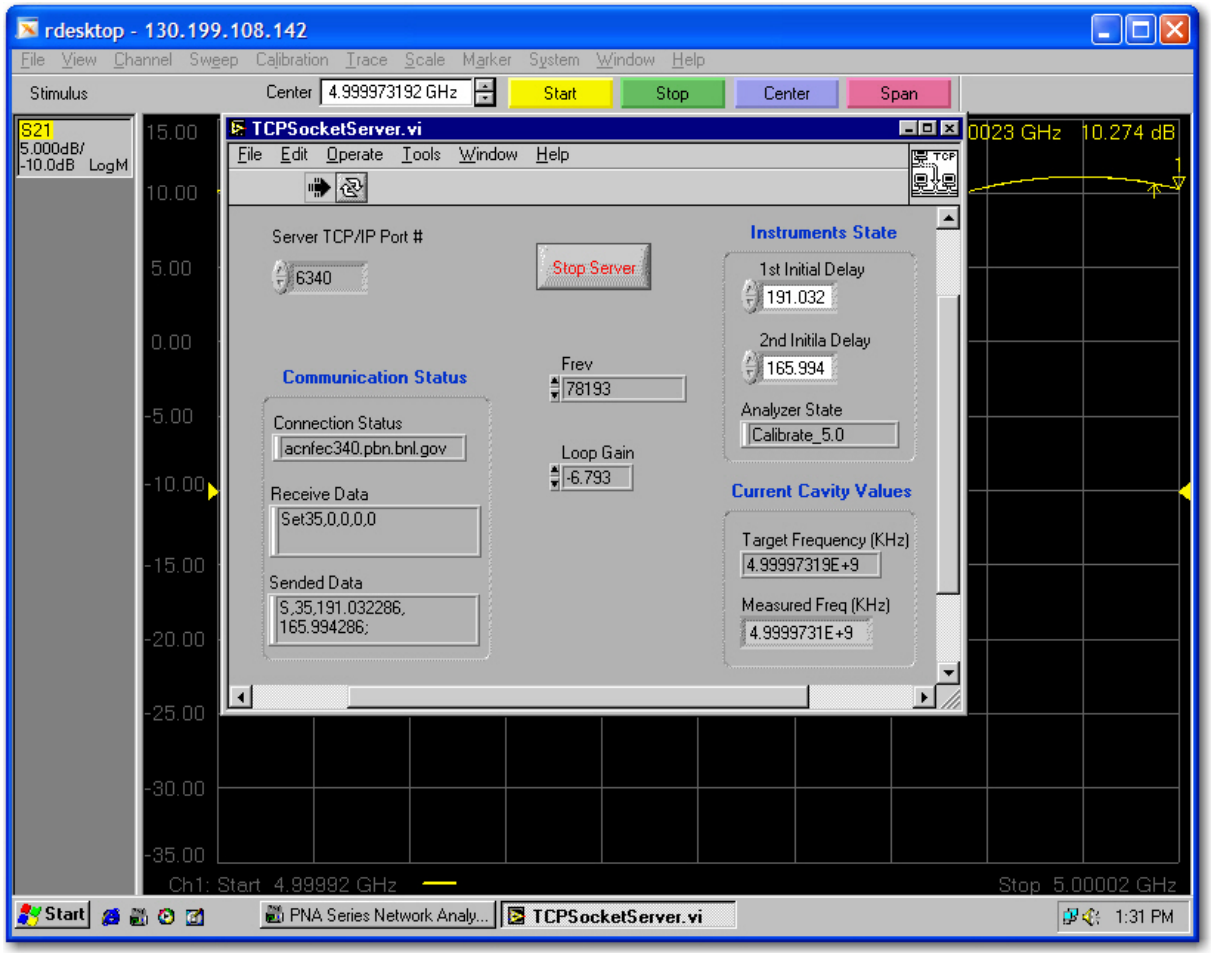
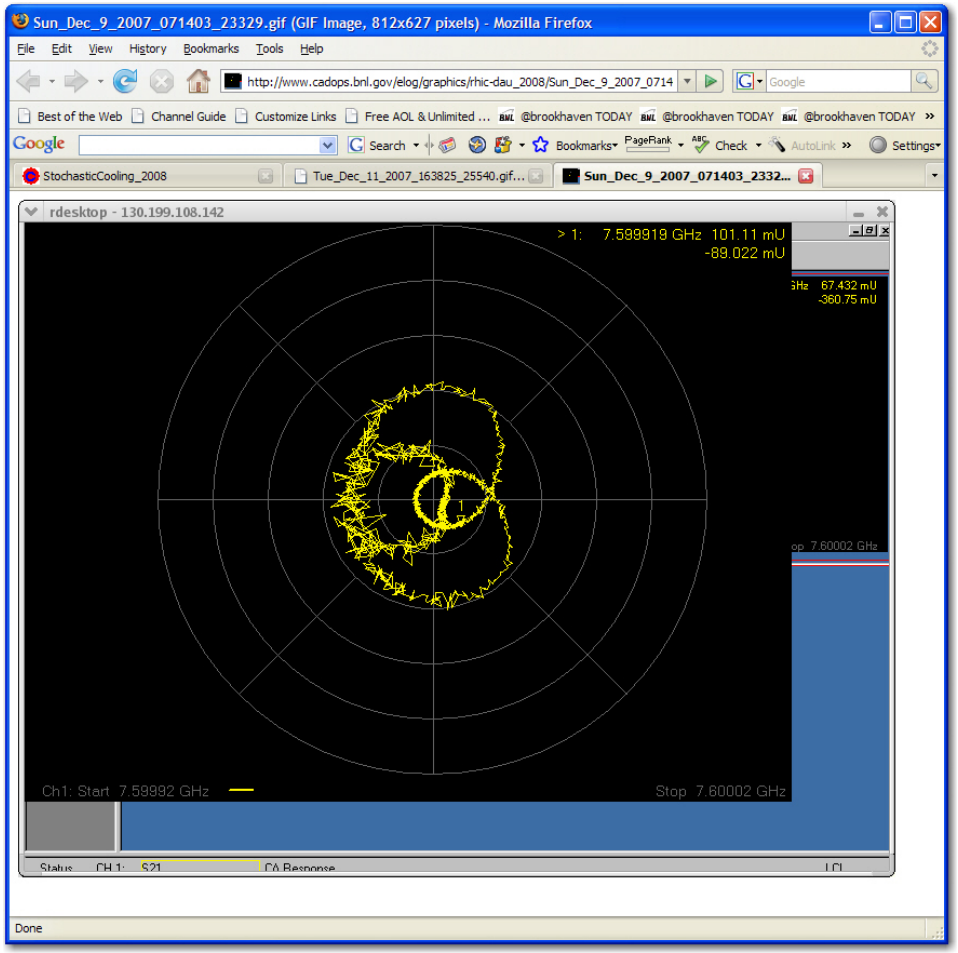
Stochastic Cooling Low Level Block Diagram



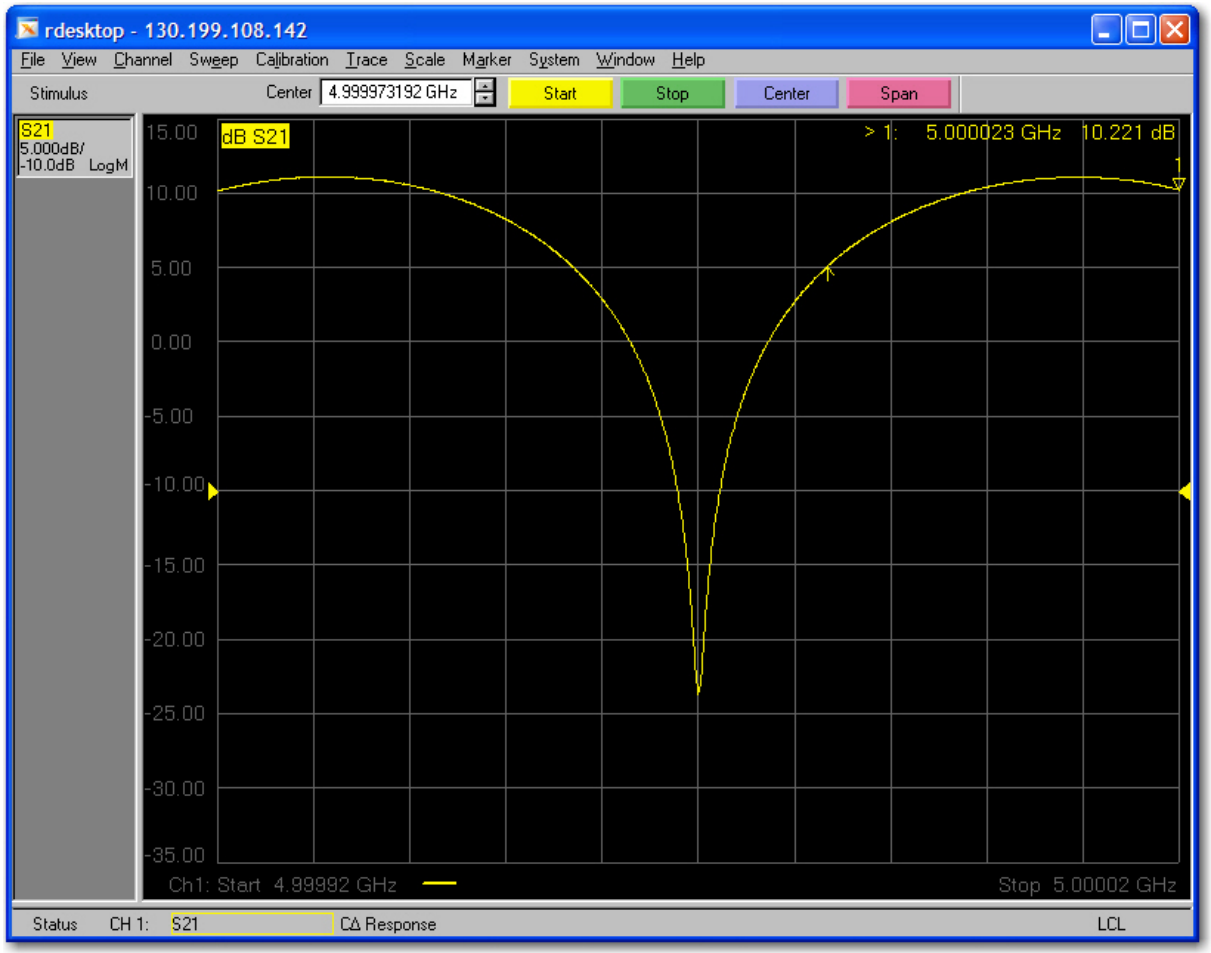
Labview Server



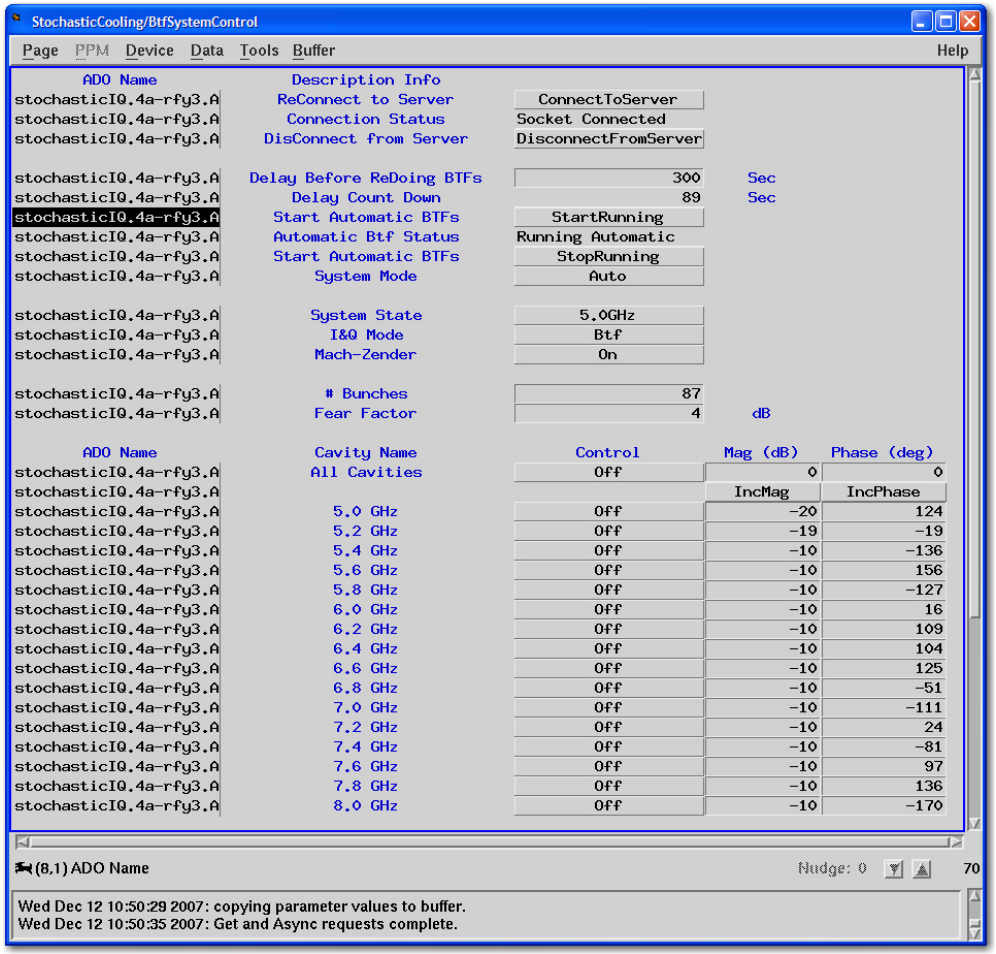
7.6 GHz Beam Transfer Function



Delay Correction



BtfSystemControl pet page



StochasticCooling/BtfSystemControl

Page PPM Device Data Tools Buffer Help

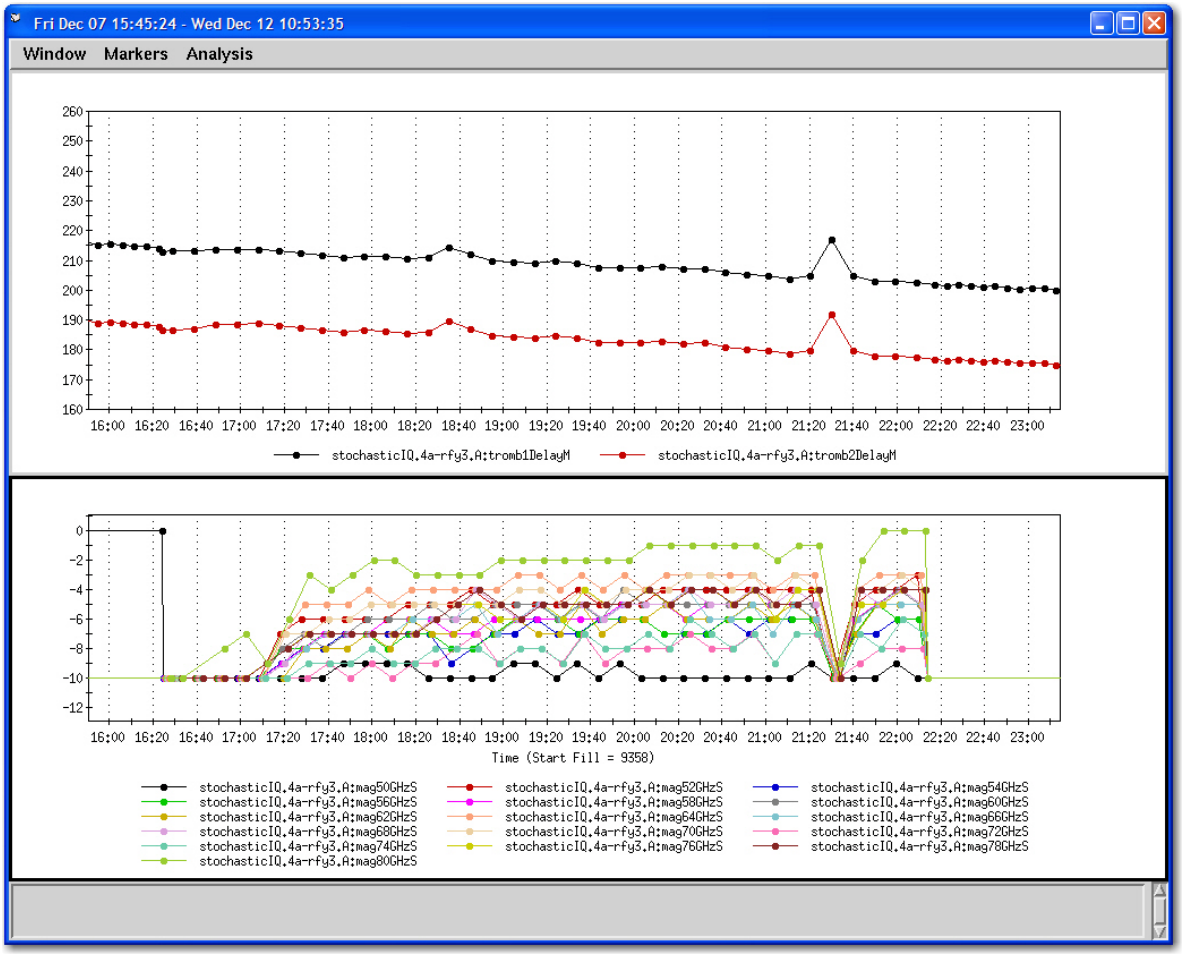
ADO Name	Description Info			
stochasticIQ.4a-rfy3.A	ReConnect to Server	ConnectToServer		
stochasticIQ.4a-rfy3.A	Connection Status	Socket Connected		
stochasticIQ.4a-rfy3.A	DisConnect from Server	DisconnectFromServer		
stochasticIQ.4a-rfy3.A	Delay Before ReDoing BTFs	300	Sec	
stochasticIQ.4a-rfy3.A	Delay Count Down	89	Sec	
stochasticIQ.4a-rfy3.A	Start Automatic BTFs	StartRunning		
stochasticIQ.4a-rfy3.A	Automatic Btf Status	Running Automatic		
stochasticIQ.4a-rfy3.A	Start Automatic BTFs	StopRunning		
stochasticIQ.4a-rfy3.A	System Mode	Auto		
stochasticIQ.4a-rfy3.A	System State	5.0GHz		
stochasticIQ.4a-rfy3.A	I&Q Mode	Btf		
stochasticIQ.4a-rfy3.A	Mach-Zender	On		
stochasticIQ.4a-rfy3.A	# Bunches	87		
stochasticIQ.4a-rfy3.A	Fear Factor	4	dB	

ADO Name	Cavity Name	Control	Mag (dB)	Phase (deg)
stochasticIQ.4a-rfy3.A	All Cavities	Off	0	0
stochasticIQ.4a-rfy3.A			IncMag	IncPhase
stochasticIQ.4a-rfy3.A	5.0 GHz	Off	-20	124
stochasticIQ.4a-rfy3.A	5.2 GHz	Off	-19	-19
stochasticIQ.4a-rfy3.A	5.4 GHz	Off	-10	-136
stochasticIQ.4a-rfy3.A	5.6 GHz	Off	-10	156
stochasticIQ.4a-rfy3.A	5.8 GHz	Off	-10	-127
stochasticIQ.4a-rfy3.A	6.0 GHz	Off	-10	16
stochasticIQ.4a-rfy3.A	6.2 GHz	Off	-10	109
stochasticIQ.4a-rfy3.A	6.4 GHz	Off	-10	104
stochasticIQ.4a-rfy3.A	6.6 GHz	Off	-10	125
stochasticIQ.4a-rfy3.A	6.8 GHz	Off	-10	-51
stochasticIQ.4a-rfy3.A	7.0 GHz	Off	-10	-111
stochasticIQ.4a-rfy3.A	7.2 GHz	Off	-10	24
stochasticIQ.4a-rfy3.A	7.4 GHz	Off	-10	-81
stochasticIQ.4a-rfy3.A	7.6 GHz	Off	-10	97
stochasticIQ.4a-rfy3.A	7.8 GHz	Off	-10	136
stochasticIQ.4a-rfy3.A	8.0 GHz	Off	-10	-170

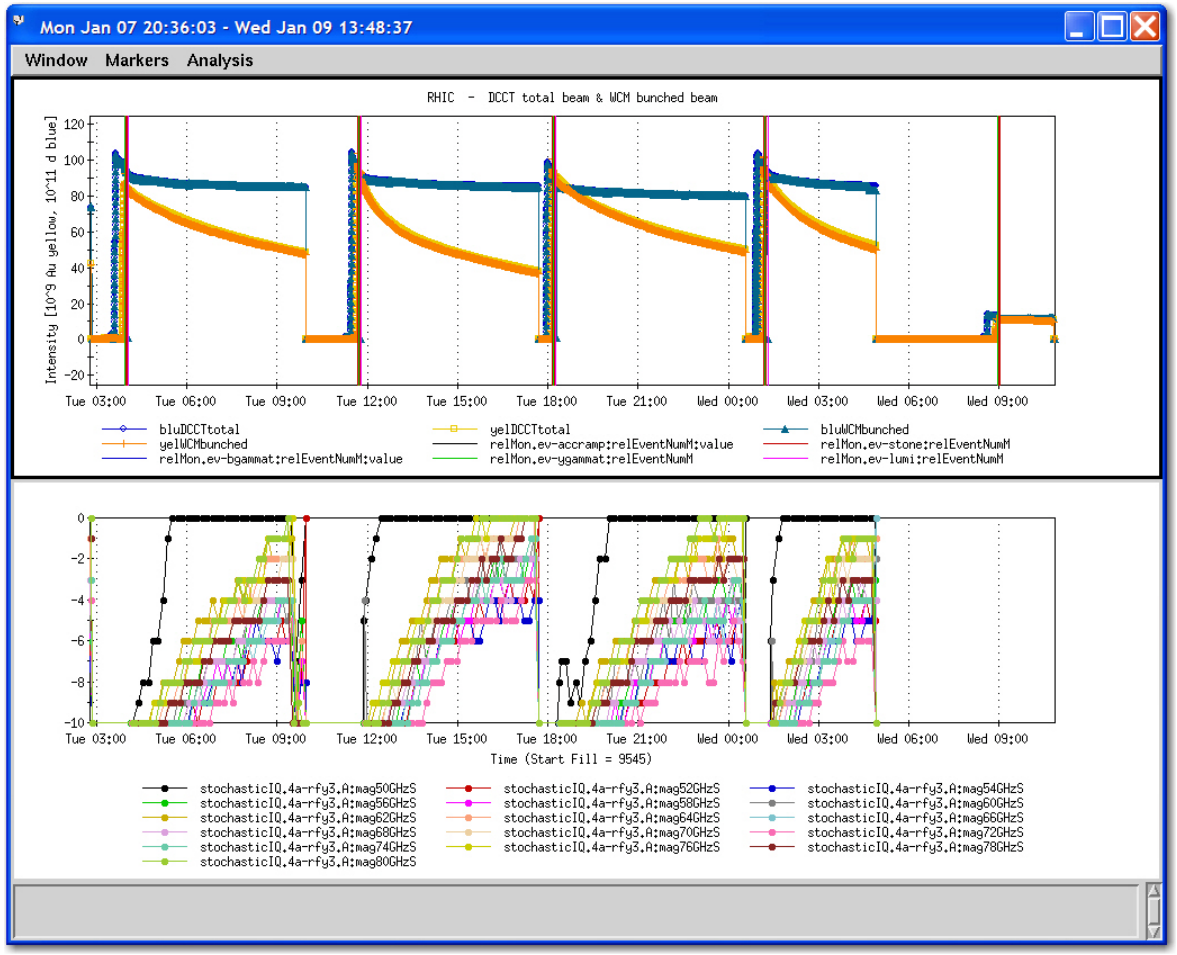
(8,1) ADO Name Nudge: 0 70

Wed Dec 12 10:50:29 2007: copying parameter values to buffer.
Wed Dec 12 10:50:35 2007: Get and Async requests complete.

LogView Mag and Delay



Cooling ON


Mon Jan 07 20:36:03 - Wed Jan 09 13:48:37
Window Markers Analysis
RHIC - DCCT total beam & WCM bunched beam
Intensity [10^9 Au yellow, 10^11 d blue]
Tue 03:00 Tue 06:00 Tue 09:00 Tue 12:00 Tue 15:00 Tue 18:00 Tue 21:00 Wed 00:00 Wed 03:00 Wed 06:00 Wed 09:00
bluDCCTtotal
yelWCMbunched
relMon.ev-bgammat:relEventNumM:value
yelDCCTtotal
relMon.ev-accramp:relEventNumM:value
relMon.ev-ygammat:relEventNumM
bluWCMbunched
relMon.ev-stone:relEventNumM
relMon.ev-lumi:relEventNumM
Time (Start Fill = 9545)
stochasticIQ.4a-rfy3.A:mag50GHzS
stochasticIQ.4a-rfy3.A:mag52GHzS
stochasticIQ.4a-rfy3.A:mag54GHzS
stochasticIQ.4a-rfy3.A:mag56GHzS
stochasticIQ.4a-rfy3.A:mag58GHzS
stochasticIQ.4a-rfy3.A:mag60GHzS
stochasticIQ.4a-rfy3.A:mag62GHzS
stochasticIQ.4a-rfy3.A:mag64GHzS
stochasticIQ.4a-rfy3.A:mag66GHzS
stochasticIQ.4a-rfy3.A:mag68GHzS
stochasticIQ.4a-rfy3.A:mag70GHzS
stochasticIQ.4a-rfy3.A:mag72GHzS
stochasticIQ.4a-rfy3.A:mag74GHzS
stochasticIQ.4a-rfy3.A:mag76GHzS
stochasticIQ.4a-rfy3.A:mag78GHzS
stochasticIQ.4a-rfy3.A:mag80GHzS