

## Beamline Downtime Summary, 11/28/03 00:00 to 12/4/03 23:59

<b>Date</b>	<b>Beamline Description</b>	<b>Downtime</b>	<b>Group</b>
11/29/03	Serious PSS fault on P8 shutter	0:07	SI
11/29/03	Beamline lost ID control	0:26	XFE
11/29/03	Failure of PSS switches on P8 shutter	11:48	SI
12/02/03	Beamline computer malfunction, affecting data collection	0:30	Beamline
12/04/03	Orbit misplaced following end of machine studies	3:18	DIA
12/04/03	BLEPS equipment problem	0:36	Beamline

# Floor Operations Downtime Log Review

Note: This page is automatically generated and is only provided for reference.

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## View Downtime Entries By Group

<a href="#">BLDG</a>	<a href="#">DIA</a>	<a href="#">CTL</a>	<a href="#">HP/UES</a>	<a href="#">ME</a>	<a href="#">OAG</a>
<a href="#">OPS</a>	<a href="#">PFS/AC</a>	<a href="#">PFS/WATER</a>	<a href="#">PHY</a>	<a href="#">PS</a>	<a href="#">SI</a>
<a href="#">ES/AC</a>	<a href="#">RF</a>	<a href="#">SVY</a>	<a href="#">VAC</a>	<a href="#">EFO</a>	<a href="#">AOD-IT</a>
<a href="#">MD</a>	<a href="#">XFE</a>	<a href="#">MT</a>	<a href="#">HRX</a>	<a href="#">XFD-PS</a>	<a href="#">XP</a>
<a href="#">AOD-CO</a>	<a href="#">BC</a>	<a href="#">OFM</a>	<a href="#">User</a>	<a href="#">OTHER</a>	<a href="#">UNKNOWN</a>

## View Downtime Entries By Beamline

<a href="#">=</a>	<a href="#">1BM</a>	<a href="#">1ID</a>	<a href="#">2BM</a>	<a href="#">2ID</a>	<a href="#">3BM</a>
<a href="#">3ID</a>	<a href="#">4BM</a>	<a href="#">4ID</a>	<a href="#">5BM</a>	<a href="#">5ID</a>	<a href="#">6BM</a>
<a href="#">6ID</a>	<a href="#">7BM</a>	<a href="#">7ID</a>	<a href="#">8BM</a>	<a href="#">8ID</a>	<a href="#">9BM</a>
<a href="#">9ID</a>	<a href="#">10BM</a>	<a href="#">10ID</a>	<a href="#">11BM</a>	<a href="#">11ID</a>	<a href="#">12BM</a>
<a href="#">12ID</a>	<a href="#">13BM</a>	<a href="#">13ID</a>	<a href="#">14BM</a>	<a href="#">14ID</a>	<a href="#">15BM</a>
<a href="#">15ID</a>	<a href="#">16BM</a>	<a href="#">16ID</a>	<a href="#">17BM</a>	<a href="#">17ID</a>	<a href="#">18BM</a>
<a href="#">18ID</a>	<a href="#">19BM</a>	<a href="#">19ID</a>	<a href="#">20BM</a>	<a href="#">20ID</a>	<a href="#">21BM</a>
<a href="#">21ID</a>	<a href="#">22BM</a>	<a href="#">22ID</a>	<a href="#">23BM</a>	<a href="#">23ID</a>	<a href="#">24BM</a>
<a href="#">24ID</a>	<a href="#">25BM</a>	<a href="#">25ID</a>	<a href="#">26BM</a>	<a href="#">26ID</a>	<a href="#">27BM</a>
<a href="#">27ID</a>	<a href="#">28BM</a>	<a href="#">28ID</a>	<a href="#">29BM</a>	<a href="#">29ID</a>	<a href="#">30BM</a>
<a href="#">30ID</a>	<a href="#">31BM</a>	<a href="#">31ID</a>	<a href="#">32BM</a>	<a href="#">32ID</a>	<a href="#">33BM</a>
<a href="#">33ID</a>	<a href="#">34BM</a>	<a href="#">34ID</a>	<a href="#">35BM</a>	<a href="#">35ID</a>	

# Beamline X Downtimes

DIN	Event #	Start date	Start time	Beamline	Group	Downtime type	Description
<a href="#">000316</a>	0	12/09/03	23:23	X	EFO	Ignore entire incident	Event occurred during downtime for storage ring. Reset prior to restoration of User beam.
<a href="#">000315</a>	0	12/09/03	16:22	X	CTL	Impacts secondary tasks	User reported his stations Lentil and Banana are not communicating with the network. M. Smith working on the problem.
<a href="#">000313</a>	0	12/07/03	14:45	X	User	Impacts secondary tasks	Beamline personnel reported a problem with the monochromator.
<a href="#">000280</a>	0	10/31/03	0450	X	OPS	Inhibits beam to User	There seems to have been a shift in the beam position after the beam was restored. The MCR is waiting for a physicist to investigate the problem.

## Beamline X Downtime Details

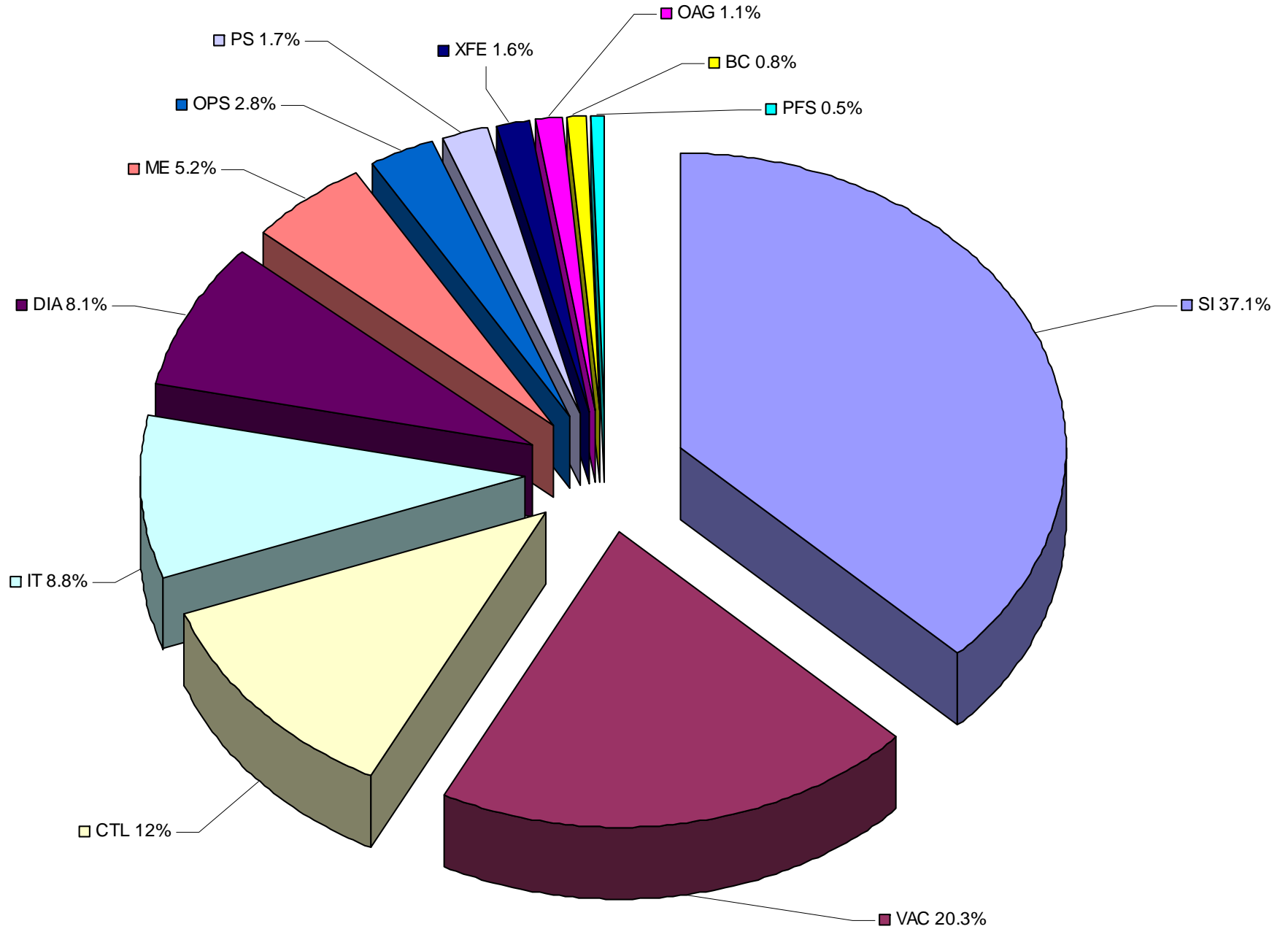
Total events: 4

DIN	Event #	Start date	Start time	Beamline	Group	Downtime type	Description
000313	0	12/07/03	14:45	X	User	Impacts secondary tasks	Beamline personnel reported a problem with the monochromator
000313	1	12/07/03	15:00	X	User	Start of repair	Beamline personnel are affecting repairs to the monochromator.
000313	2	12/09/03	16:01	X	User	End of repair	Beamline personnel have completed repairs to the monochromator and are ready for User beam.

## Beamline Downtime by APS Groups

<b>SI</b>	<b>System Interlocks</b>	<b>37.1%</b>
<b>VAC</b>	<b>Vacuum</b>	<b>20.3%</b>
<b>CTL</b>	<b>Controls</b>	<b>12%</b>
<b>IT</b>	<b>Information Technology</b>	<b>8.8%</b>
<b>DIA</b>	<b>Diagnostics</b>	<b>8.1%</b>
<b>ME</b>	<b>Mechanical Engineering</b>	<b>5.2%</b>
<b>OPS</b>	<b>Operations</b>	<b>2.8%</b>
<b>PS</b>	<b>Power Supply</b>	<b>1.7%</b>
<b>XFE</b>	<b>Experimental Facilities Engineering</b>	<b>1.6%</b>
<b>OAG</b>	<b>Operational Analysis Group</b>	<b>1.1%</b>
<b>BC</b>	<b>Beamline Controls</b>	<b>.8%</b>
<b>PFS</b>	<b>Plant and Facilities Services</b>	<b>.5%</b>

# Beamline Downtime (% per group)



### Summary Table

Number	Description	Downtime	Beamline System
000291	Beryllium window replacement.	2:09	Beryllium Window
000235	BLEPS trip requiring call to beamline personnel.	0:25	BLEPS Signal
000240	BLEPS trip requiring call to beamline personnel.	0:45	BLEPS Signal
000272	BLEPS trip requiring call-in of beamline personnel.	12:14	BLEPS Signal
000303	BLEPS vacuum fault requiring call to beamline personnel.	0:30	BLEPS Signal
000308	BLEPS vacuum trip	0:40	BLEPS Signal
000309	BLEPS vacuum trip	1:55	BLEPS Signal
000312	BLEPS trip of unknown origin	3:42	BLEPS Signal
000321	BLEPS sending repeated PS2 close signals	21:11	BLEPS Signal
000324	BLEPS trip requiring reset by Beamline staff	10:05	BLEPS Signal
000224	PSS was not notified of required tie-in for BLEPS upgrades.	0:45	BLEPS Equip.
000304	Power surge to BLEPS console.	0:29	BLEPS Equip.
000307	BLEPS equipment problem	0:36	BLEPS Equip.
000311	BLEPS console failure	9:00	BLEPS Equip.
000271	User lost gap control due to changes in the beamline computer system made by beamline personnel	0:35	Computer
000305	Beamline computer malfunction, affecting data collection	0:30	Computer
000264	Cryosystem difficulties requiring call-in of ME group for help troubleshooting	2:30	Cryosystem
000283	Problem with monochromator; repair pending	3:36	Monochromator
000313	Monochromator failure	40:11	Monochromator
000269	Door disable button had been pushed	0:38	PSS Door Button
000302	Station search prohibited; crash button was depressed.	0:10	PSS Door Button
000281	Leak in integral shutter requiring repair and revalidation	8:04	Shutter
000244	Water leak on user equipment	1:20	Water
000274	BLEPS trip requiring adjustment of water flows before reset	2:40	Water
000282	BP adjusted flow to component, causing water fault	0:27	Water

Notes about a few of the categories:

BLEPS: Usually refers to trips that do not indicate a "real" problem (trips due to the way the software is set up, or signal anomalies).

PSS Door Button: Downtime was charged to the beamline because they had accidentally pushed a door disable or emergency crash button. No malfunction in the PSS System.

# Beamline Systems Downtime

