

INDIACMS-TIFR Tier 2 Grid Status Report



WLCG Tier 2 Workshop TIFR, December 2006

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Report on behalf of INDIACMS-TIFR Tier2:

Present status

Hardware

- 4 Grid managing servers. (CE+BDII, SE, Mon)
- 36 Intel Pentium-IV worker nodes.
- 34 Mbps internet connection.
- SE with 1 TB storage

Software and maintenance

- Scientific Linux 3.0.5 O.S.
 - Middleware upgraded to gLite 3.0
 - Upkeep/upgradation according to broadcast intimations
 - Regular (mandatory) report submission
 - > **99 % uptime** (till August 2006)
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Site Information

Site information:

Site name: INDIACMS-TIFR
Site address: <http://www.indiacms.res.in>
Email: support@indiacms.res.in
User Interface: ui.indiacms.res.in

Job submission Queues:

“ce.indiacms.res.in:2119/jobmanager-lcgpbs-dteam

ce.indiacms.res.in:2119/jobmanager-lcgpbs-cms”

Planned upgrades

- ***Foreseen by end 2006***

- ★ ***Site is being completely reorganised for additional infrastructure***

- ★ ***80k SI2k equivalent of CPU (1U Rack mountable)***

- ***All machines delivered – preparing for burn-in test***

- ★ ***50TB of Storage (RAID based)***

- 20 % fast FiberChannel Hard disks***

- 80% high volume SATA hard disk***

- ***Is ordered. Expected in 2 weeks time***

Projection for Future

■ CPU Projection

- 2007: 300k SI2k
- 2008: 500k SI2k
- 2009: 700k SI2k
- 2010: 900k SI2k

■ Storage Space Projection

- 2007: 200 TB
 - 2008: 300 TB
 - 2009: 450 TB
 - 2010: 600 TB
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Network Upgradation

- Right now upgradation is going on
 - 34 MBPS will become 1GBPS eventually
 - 622 MBPS by end of 2007
 - > 1 GBPS in 2008
 - Point to Point connection (1:1)
 - CISCO 1482 Router
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The PC-Farm, as it is now



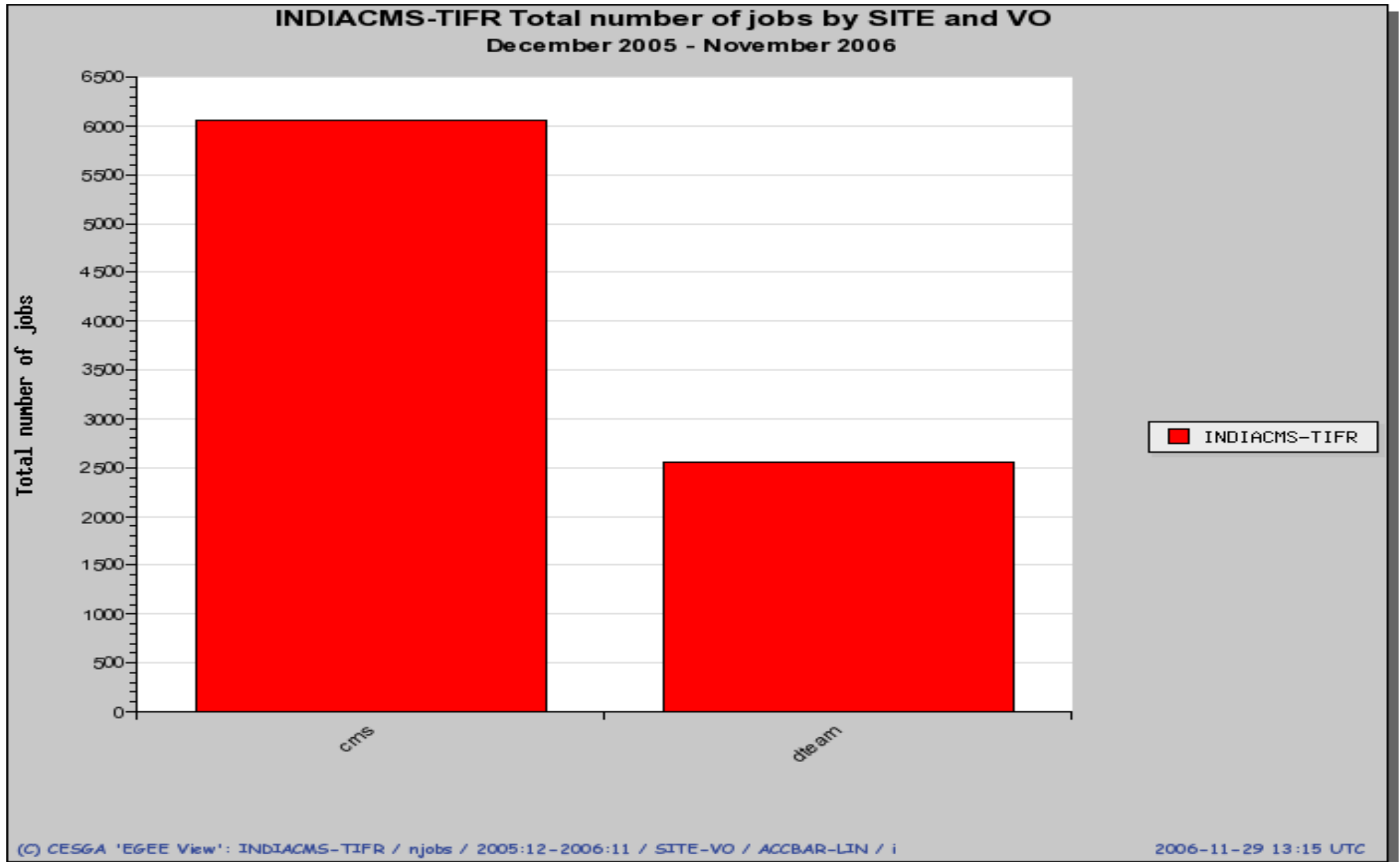
Accounting Data for INDIACMS-TIFR

December 2005 - November 2006

SiteName	VO	2005	2006												
		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov		
INDIACMS-TIFR															
	cms														
	dteam														

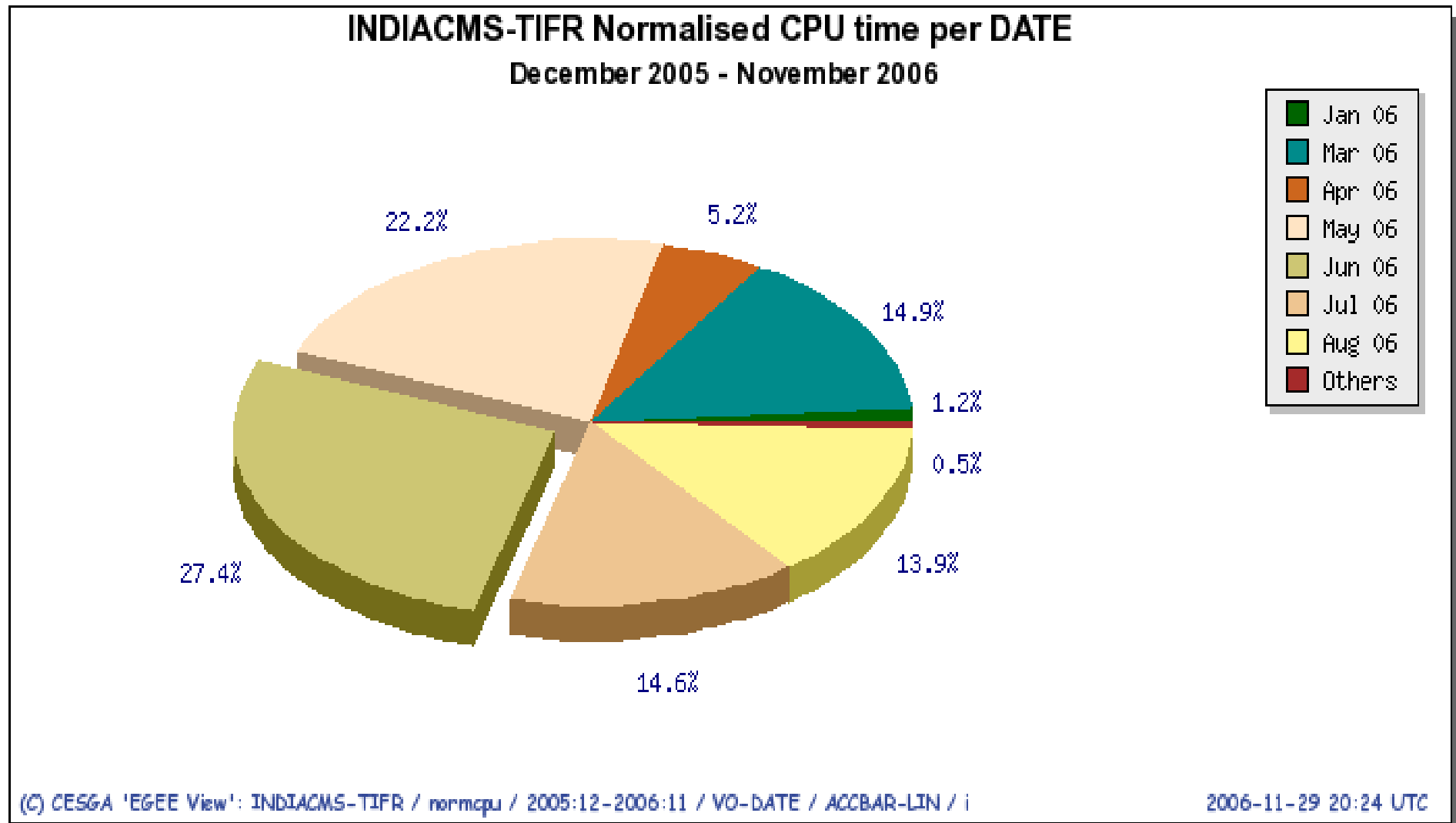
today

Total number of jobs on INDIACMS-TIFR site

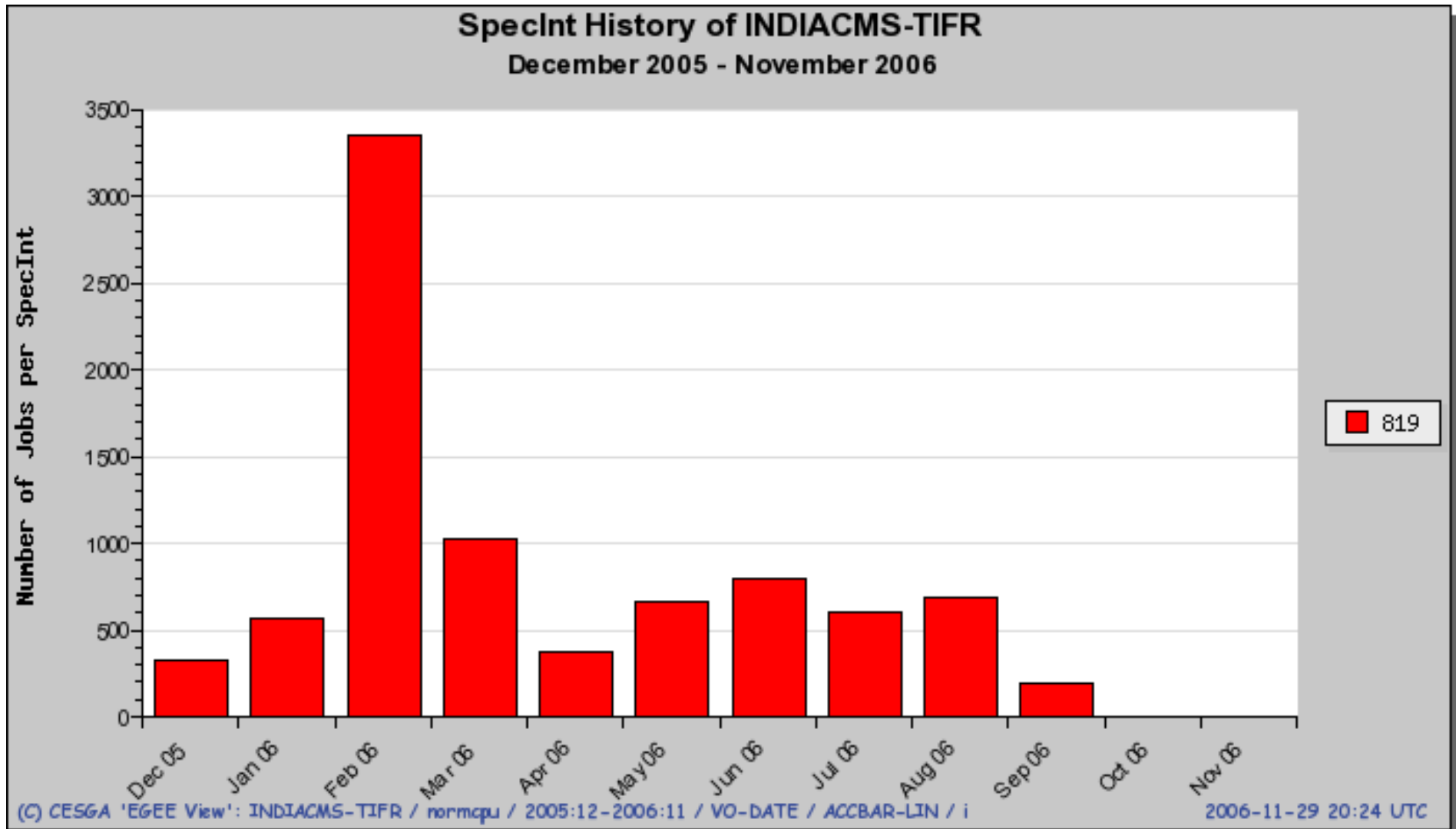


70% CMS Jobs and 30% Dteam Jobs

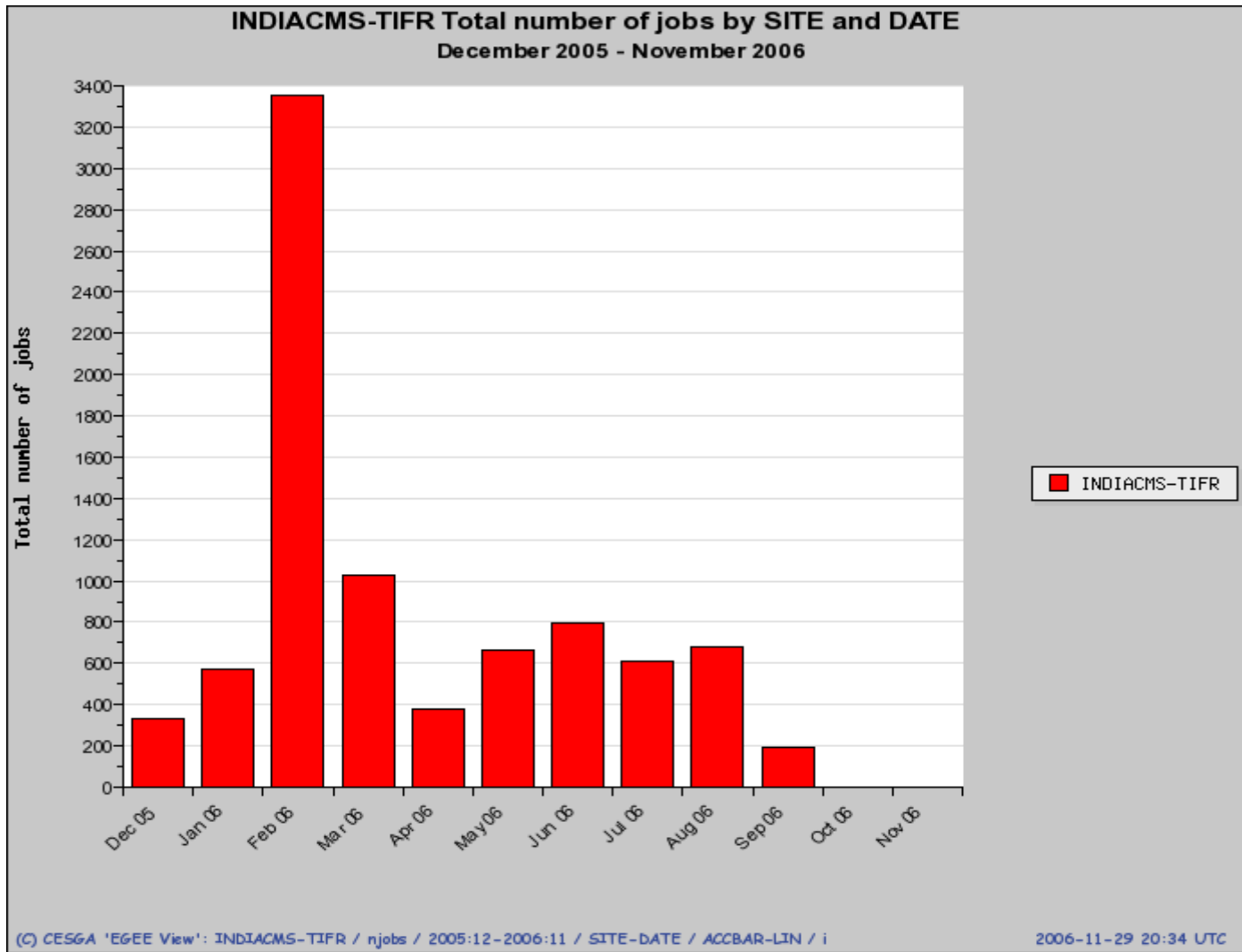
Normalised CPU Time



SpecInt History of INDIACMS-TIFR



Total number of jobs by date



Summary and Outlook

- Site was down for 2 months for non-technical reasons
- Site is in the process of upgradation
- Will participate in future CMS production and service challenges

Thank You
