Monitoring the Performance of a CMS Tier3 Cluster for LHC Data Analysis[1] JACOB HILL, JOEL WALKER, Sam Houston State University, DAVID TOBACK, GUY ALMES, STEVE JOHNSON, Texas A&M, MICHAEL KOWALCZYK, Sam Houston State University, VAIKUNTH THUKRAL, DANIEL CRUZ, Texas A&M — Every Tier 3 site is a unique entity composed of a vast array of extremely complicated interdependent hardware and software, extensively cross-networked for participation in the global endeavor of processing LHC data. Successful operation of a Tier 3 site, including performance optimization and tuning, requires intimately detailed, near real-time feedback on how the individual system components are behaving at a given moment, and how this compares to design goals and historical norms. Our monitoring project represents the creation of an array of custom server daemons which harvest data from the excellent existing analysis tools at various locations across the web, collecting the results into a site specific unified display designed extreme visual efficiency and information density. A functioning "Beta" deployment of the monitor for the Texas A&M Brazos Cluster is available online: http://collider.physics.tamu.edu/tier3/mon/.

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