

## TaiwanTimeTable2006 &lt; LCG &lt; TWiki

-- HarryRenshall - 25 Jun 2007

|                        |  |   |  |
|------------------------|--|---|--|
| Tier 1<br>ASGC-Taiwan. | To provide 6.2% of Atlas resources   | To provide 12% of CMS resources.  |  |
| Month                  | Atlas Requirements   | CMS Requirements  | Tier 0 Requirements  |
| April 2006             | Provide 83 KSi2K of cpu for MC event generation and 4TB of disk and 10TB of tape for this data for this quarter  | 20 MB/sec aggregate Phedex (FTS) traffic to/from temporary disk. Data to tape from Tier 0 at 10 MB/sec (may be part of SC4)   | 3rd to 16th CERN disk-disk at 100 MB/sec. 18th to 24th CERN disk-tape at 75 MB/sec |
| May                    | Provide 83 KSi2K of cpu for MC event generation  | 20 MB/sec aggregate Phedex (FTS) traffic to/from temporary disk   | CERN background disk-disk top up to 100 MB/sec                                     |
| June                   | Provide 83 KSi2K of cpu for MC event generation. From 19 June to 7 July T0 to T1 tests take 24.6 MB/sec "Raw" to tape (rate to be reported), ESD at 15.4 MB/s to disk and AOD at 20 MB/s to disk from Tier 0 (total rate 60 MB/s). These data can be deleted after 24 hours  | 20 MB/sec aggregate Phedex (FTS) traffic to/from temporary disk. SC3 functionality rerun. Run 2500 jobs/day at end of June  | CERN background disk-disk top up to 100 MB/sec                                     |
| July                   | Provide 89 KSi2K of cpu for MC event generation and 5TB of disk and 13TB of tape for this data for this quarter. "Raw" reconstruction setting up - stagein from tape using 1-2 drives. T0 to T1 export take 24.6 MB/sec "Raw" to tape (rate to be reported), ESD at 15.4 MB/s to disk and AOD at 20 MB/s to disk from Tier 0 (total rate 60 MB/s). These data can be deleted after 24 hours  | 20 MB/sec aggregate Phedex (FTS) traffic to/from temporary disk. Monte Carlo from Tier 2 incoming sent on to CERN. Test Tier 2 to Tier 1 transfers at 10 MB/sec per Tier 2. Last 2 weeks take 'raw' data from CERN to tape at 10 MB/s   | CERN background disk-disk top up to 100 MB/sec                                     |
| August                 | Provide 89 KSi2K of cpu for MC event generation. Two slots of 3 days of "raw" reconstruction - stagein from tape using 1-2 drives. Analysis tests - 20 MB/sec incoming - will include scalability tests and prefers to be only Atlas grid activity. T0 to T1 export take 24.6 MB/sec "Raw" to tape (rate to be reported), ESD at 15.4 MB/s to disk and AOD at 20 MB/s to disk from Tier 0 (total rate 60 MB/s). These data can be deleted after 24 hours | 20 MB/sec aggregate Phedex (FTS) traffic to/from temporary disk. Monte Carlo from Tier 2 incoming sent on to CERN. Test Tier 2 to Tier 1 transfers at 10 MB/sec per Tier 2. Last 2 weeks (after high rate T0-T1 disk-disk tests) take 'raw' data from CERN to tape at 10 MB/s (data can be deleted after 24 hours). | CERN background disk-disk top up to 100 MB/sec                                     |
| September              | Provide 89 KSi2K of cpu for MC event generation. T0 to T1 export take 24.6 MB/sec "Raw" to tape (rate to be reported), ESD at 15.4 MB/s to disk and AOD at 20 MB/s to disk from Tier 0 (total rate 60 MB/s). These data can be deleted after 24 hours  | 20 MB/sec aggregate Phedex (FTS) traffic to/from temporary disk. Till mid-September take 'raw' data from CERN to tape at 10 MB/s (data can be deleted after 24 hours). From mid-September ramp up to 1  | CERN background disk-disk top up to 100 MB/sec.                                    |

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|          |   | October start of CSA06 at 750 jobs/day (requiring 180 KSi2K of cpu and a total of 70 TB of disk storage).  |   |
| October  | Reprocessing tests - 20 MB/sec incoming   | 20 MB/sec aggregate Phedex (FTS) traffic to/from temporary disk. CSA06 at 750 jobs/day (requiring 180 KSi2K of cpu and a total of 70 TB of disk storage)   | CERN background disk-disk top up to 100MB/sec |
| November | Provide 100 KSi2K of cpu and an additional 1.6 TB of permanent disk and 0.9 TB of temporary (till reconstruction is run) disk plus an additional 1.5 TB of permanent tape storage for MC event generation. Analysis tests - 20 MB/sec incoming at the same time as reprocessing continues | 20 MB/sec aggregate Phedex (FTS) traffic to/from temporary disk. Demonstrate 20 MB/sec from Tier 0 to tape. Would like this to be an SC4 activity. CSA06 at 750 jobs/day (requiring 180 KSi2K of cpu and a total of 70 TB of disk storage) till mid-November | CERN background disk-disk top up to 100MB/sec |

December Provide 100 KSi2K of cpu and an additional 1.6 TB of permanent disk and 0.9 TB of temporary (till reconstruction is run) disk plus an additional 1.5 TB of permanent tape storage for MC event generation. Backup the October CSA06 disk files of 70TB to new permanent tape storage. Provide 32 KSi2K of cpu and an additional 2.5 TB of permanent tape storage for MC event generation. CERN background disk-disk top up to 100MB/sec

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