Computer Model Simulation

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Changing Parameters

Update the parameters to get an idea of variation on results

	Half CPU Hit	Normal CPU Hit	Double CPU Hit
Parallel Copy	1.31 (7k)	1.31 (7k)	1.31 (7k)
Serial Copy	1.31 (7k)	1.32 (7k)	1.32 (7k)
Remote Read	1.32 (10k)	1.35 (11k)	1.40 (12k)

Changing maximum file transfer times however is unreasonable

	Half Max Tran	Norm. Max Tran	Dble Max Tran
Parallel Copy	1.31 (7k)	1.31 (7k)	1.35 (7k)
Serial Copy	1.32 (7k)	1.32 (7k)	1.35 (7k)
Remote Read	1.35 (11k)	1.35 (11k)	1.35 (11k)

Updating to be clock based

- Previously simulation was driven by job start time
- Converted to be purly clock based
 - Determines first job start and last job start times
 - Runs from first job start to twice the time to the last job start
 - Currently moves forward five minutes each cycle
- Much slower due to all jobs being in system at start
- Still getting to work
- Should eliminate jobs not started due to full batch systems
- Can also update to have jobs sent to sites with free CPUs

Immediate Plans

- Get working with new time driven events
- Debug unexpected results when increasing transfer rate
- Complete results phase space varying input parameters