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To: John Moustakas

Re: NASA "Astrophysics Data Analysis Program" (ADAP) grant proposal storage requirements

I have prepared some basic recommendations to accommodate approximately 120TB of research specific storage to house and process public imaging data to build a homogeneous galaxy atlas. I would go with slightly more storage so you have some room to grow. The options presented provide various solutions to provide reliable, efficient and cost effective storage for this project.

It is important to note that the ScienceDMZ has been designed from the ground up to be an exclusive research network (NSF Grant Award 1541001). There is no administrative traffic permitted in this network by design. It has been designed as a low latency, instrumentation based secure network with no traditional firewall. The storage would reside in this network and would only be usable by scientific instrumentation, the high performance computing cluster, or other computing device used only for research purposes. Typical access to this storage from outside the ScienceDMZ would be through the data transfer node (DTN).

Prepared by:

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