

WSC Achievement (from page 22)

The Chiller Plant has now operated since January 2002 without a failure attributed to the primary failure mode, which the team identified as a lubrication failure. Based on current repair and replacement costs, an estimated \$62,000 will be saved annually. In addition, a side benefit to the project was realized with the activation of the heat recovery mode on three chillers. The local service center for the chiller manufacturer was not able to set up the heat recovery mode when the plant was commissioned and had directed the Facilities Operations section to disable the function since it was "difficult to set up and operate, and not a good system." The activation has eliminated the need to have the boiler online to heat the main operations building. The heat recovery chillers are now the primary heat source for the main building; a

by-product of the refrigeration process. This enhancement accounts for an additional \$8,000 savings per year.

In addition to Corella, the Green Belt project team included Darrell Ash and Laurel Rossow.

By Janis Stengle
 Contact at (301) 805-3052
 Janis.Stengle@Honeywell-TSI.com



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Demand Access System Update

The Demand Access System (DAS) will expand TDRS Multiple Access (MA) return service capabilities by adding new receivers, monitoring tools, TCP/IP telemetry capabilities, and limited CCSDS data processing and distribution capabilities via the NISN IONet. The DAS uses a variety of COTS hardware and software, along with customized programs tying all the various pieces together.

attendance. The closing recommendation was that DAS would be ready for transition to operations upon resolution of liens to the system. The major liens at the time included issues with the Avtec Programmable Telemetry Processor (PTP) which have been worked with the manufacturer and resolved. After the FOC review, the team performed additional testing and uncovered some additional liens, several of which have been resolved.



On January 1, 2004, the Near-Earth Networks (NENS) contractor, Honeywell, assumed responsibility for DAS. Honeywell has been tasked to bring the DAS into a fully operational state. These tasks involve performing comprehensive confidence testing after clearing all remaining liens. The DAS Operations Readiness Review (ORR) is scheduled for May 13, 2004.

The DAS successfully supported several Long-Duration Balloon Project events in late 2003 on a best-effort basis when the LDBP could not get service via other means. Additionally, several pre-mission tests have been successfully run with both LDBP and Swift.

The DAS team held a Full Operations Capability (FOC) review on October 7, 2003. SWSI, DAS Customers, and Customer Commitment office personnel were in

Refer to the DAS website at <http://nmsp.gsfc.nasa.gov/das/> for the latest DAS information.

By Tom Gitlin
 Contact at (301) 286-9257
 Thomas.Gitlin@nasa.gov