

# Method for Coding Low Entropy Data

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## DESCRIPTION

This technology is an encoding method for improving digital data via data compression technology. The technology extends the performance beyond the bound set by a traditional Huffman code, making this technology even more adaptive to various kinds of instruments and applications. As scientific instruments grow increasingly more precise and sophisticated, the amount of data generated by them also increases. This technology reduces redundancy in the data representation while guaranteeing full and accurate reconstruction of the data.

## FEATURES AND BENEFITS

- Using data compression technology on the spacecraft reduces the requirements for onboard memory and ground station contact time, it often translates into millions of dollars of savings for a single space mission.

## APPLICATIONS

- Space Imaging
- Medical Imaging

## FOR MORE INFORMATION

If you are interested in more information or want to pursue transfer of this technology, GSC-13486-1, please contact:

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