

Software Algorithms Used by the AMMOS Ground Telemetry Processing System  
Elizabeth Wilson, Jet Propulsion Laboratory, California Institute of Technology

**Abstract:** This paper discusses some of the software algorithms used by the AMMOS ground telemetry processing system at JPL, when processing CCSDS formatted telemetry. AMMOS processes data from deep space spacecraft, where error rates are high, bit rates are low, and every bit is precious. Frame synchronization and packet extraction as performed by AMMOS enhance data acquisition and reliability, when maximum data return is desired.