TABLE 1. Continuous Raw Mode Data Telemetry

Req	Item	Description
1-1	Packet Synch	This field marks the start of the ACIS packet within the telemetry stream.
1-2	Packet Word Length	This field indicates the number of 32-bit words in the packet.
1-3	Format Tag	This field indicates the type of data contained in the telemetry packet, in this case a Continuous Clocking Raw Mode data packet.
1-4	Packet Sequence Number	This field is used to sequentially number all ACIS telemetry packets.
1-5	CCD/FEP Identifiers	These identify which CCD and FEP produced the raw pixel data.
1-6	Data Packet Number	Since data from different CCDs can be interleaved, and also mixed with other kinds of packets, this field sequentially numbers the data packet for a given CCD exposure.
1-7	Compression Selection Flag and Table Selection	These fields indicate whether or not the raw data has been compressed, and if so, by which compression table.
1-8	Pixel Position	This specifies the row and column of the first pixel in the packet, relative to the start of a 512 row block.
1-9	Packed or compressed collection of raw 12-bit CCD pixel and overclock data	This consists of an array of window-selected raw CCD pixel data. Pixels filtered out by the window processing are dropped. This forces the ground to use knowledge of the chosen 1-D windows to reconstruct the image. The packed pixels are output row by row, starting from the first row clocked out of the CCD, with the overclock data for a given row sent immediately after the pixel data for the row. Overclock pixels are always sent, even if the row is completely filtered out by the 1-D windows. Unused bits at the end of the telemetry packet (needed to fill out to the nearest 32-bit word boundary) will be zero.