Solar-B EIS
Packet Telemetry Structure
(*draft*)

Packet Header (fixed size)	• Id (e.g. EIS data) • Application Process Identifier (*TBD*) • Packet group flag (first, cont, last) • Packet sequence count • Packet length (bytes) max = 2k(TBC)
Packet Data Header (variable size depending on EIS packet type)	• Time stamp • EIS packet type (e.g. Sci, HK,cmd ack, special,..) • EIS packet sub-type (e.g. Movie mode data) • Mode ancilliary data (E.g. exposure time, slit id, mirror position) • Compression flag (for MDP)
Packet Data (variable size)	• Contains data for mode. May be science data or configuration data applicable to many science packets. • Configuration data may contain applicable control information from observing tables, including e.g. ccd window definitions.) • Configuration data will be repeated (e.g. for each exposure) to limit loss of science through loss/ corruption of single telemetry packet. • MDP compresses this data only, if required according to compression flag in packet data header.
Checksum	• Allows quality of packet transmission to be checked (TBC)

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