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# Raw Data Reader

A collection of Totem Offline Software modules to read raw data files. It largely overlaps with TotemRawData.

## Consistency checks performed by Raw2DigiProducer

All data frames that are not listed in the hw mapping are skipped.

Every frame that fails in any of the following tests, is dropped.

1. comparing frame EC to the CMSSW event number (increasing by 1)
2. comparing frame EC with EC obtained from DAQ (each value modulo 256)
3. checking frame footprint
4. checking frame CRC
5. comparing 12-bit chip ID from frame with hardware ID from mapping

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This topic: TOTEM > CompOfflineRawData

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