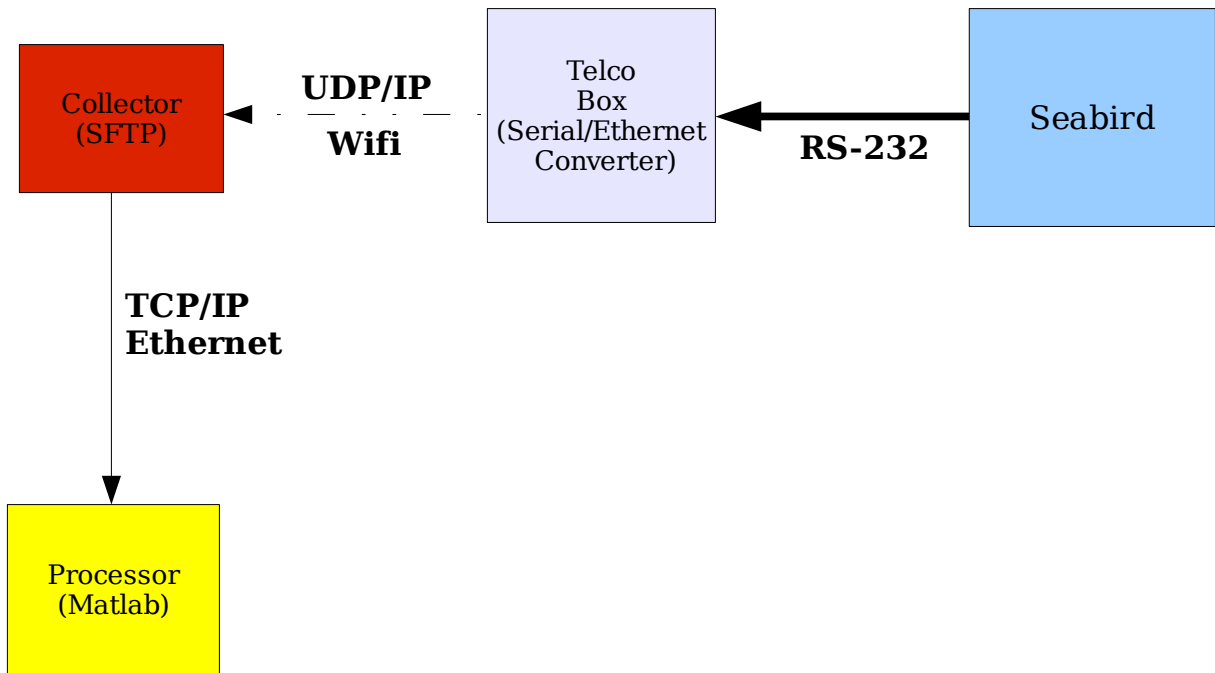


Seabird System Data Flow



Seabird:

- Transmits raw data measurements via RS-232 to the Telco Box on the dock.

Telco Box:

- Contains a Serial/Ethernet Converter.
- Transfers the incoming data from the Seabird to the server (Collector) in Chris Raleigh's office.

Collector:

- Collects the raw data streaming in via UDP from the Telco Box.
- The data stream is written to a file with each data set placed on a single line.
- Every six minutes, the new data file is securely transferred via SFTP to a processing server (Processor).

Processor:

- Collects the data file transferred from the Collector.
- Parses and formats the data further for use by the end users (i.e. scientists).