```
                    ┌─────────────┐
                    │    Start    │
                    └─────────────┘
                           │
                           ▼
                 ┌───────────────────┐
                 │ Initialize selected│
                 │   SHT85 sensor    │
                 └───────────────────┘
                           │
                           ▼
                 ┌───────────────────┐
                 │  Form command     │
                 │ from SSE operating│
                 │    parameters     │
                 └───────────────────┘
                           │
                           ▼
                 ┌───────────────────┐
                 │ Transmit command  │
                 │    to sensor      │
                 └───────────────────┘
                           │
                           ▼
                      ◇ Acknowledge
                        received from    ── no ──▶
                        sensor?
                           │ yes
                           ▼
                 ┌───────────────────┐
                 │ Wait for command  │
                 │   to complete     │
                 └───────────────────┘
                           │
                           ▼
                 ┌───────────────────┐
                 │ Request data and  │
                 │ status from sensor│
                 └───────────────────┘
                           │
                           ▼
                      ◇ Acknowledge
                        received from    ── no ──▶
                        sensor?
                           │ yes
                           ▼
                 ┌───────────────────┐
                 │ Read data, status,│
                 │    and cyclic     │
                 │ redundancy check  │
                 │   from sensor     │
                 └───────────────────┘
                           │
                           ▼
                      ◇ Cyclic
                        redundancy
                        check or status  ── yes ──▶
                        error?
                           │ no
                           ▼
                 ┌───────────────────┐
                 │ Process raw data  │
                 │ into formatted temp│
                 │  and humidity     │
                 └───────────────────┘
                           │
                           ▼
                 ┌───────────────────┐
                 │ Transmit data to SSE│
                 └───────────────────┘
                           │
                           ▼
                    ┌─────────────┐
                    │    Exit     │
                    └─────────────┘
```

Single Shot Data Acquistion Mode Flowchart
1/7/2020
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