

FELIX update



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ITk Strips Roundtable

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Browser tabs: Maria Giovanna x ATLAS Experim x docs/star.md x SW Installation x Star - YARR Do x piGBT x lpGBTv1 Manu x Home - FELIX x Untitled :: FELIX U x FELIX Core x

Address bar: 127.0.0.1:8080

Navigation: Info Configuration Statistics Bus

General

| | |
|-------------|--------------------|
| timestamp | 1661808058 |
| blocks | 1.1 MBlocks |
| chunks | 1.2 kChunks |
| shortchunks | 8.8 kChunks |
| block_rate | 9.4e-6 MBlocks / s |
| chunk_rate | 9.4e-6 MChunks / s |
| | 0 Mbyte / s |
| | 0 Blocks |
| | 0 Blocks |

```

bash-4.2$ flx-info GBT
Card type: FLX-712
Firmw type: STRIP

Link alignment status
-----
Channel | 0 1
Aligned | YES NO

Channel | 2 3
Aligned | NO NO
    
```

Errors

| | |
|---------------------|-------------|
| malformedSubchunks | 0 Chunks |
| malformedChunks | 0 Chunks |
| malformedBlocks | 0 Blocks |
| total_bad_subchunks | 1.5 kChunks |
| error_subchunks | 1.1 kChunks |
| truncated_subchunks | 330 Chunks |
| crcerr_subchunks | 0 Chunks |

Free Memory

Y-axis: Blocks (0 to 3M). X-axis: Time (14:20). Legend: 0 (blue), 1 (black), CMEM 0 (green), CMEM 1 (orange).

Elinks To-Host

#: 1044203

Y-axis: Blocks (0 to 1000k). X-axis: Elink # (0 to 4k). Peak at Elink # ~2000.

Threads

#: 1050720

Y-axis: Blocks (0 to 1000k). X-axis: Thread # (0 to 1). Thread 0: ~300k blocks, Thread 1: ~700k blocks.

Rates

Y-axis: M/s (0 to 0.03). X-axis: Time (14:20). Legend: Block Rate (blue), Chunk Rate (black).

Elinks From-Host

#: 0

Y-axis: Blocks (0). X-axis: Elink # (0 to 4k).

Blocks per Transfer

#: 973653

Y-axis: Blocks (0 to 1250k). X-axis: Transfer # (0 to 10k). Peak at Transfer # ~1000.

Queue Size

Y-axis: Blocks (0 to 200). X-axis: Time (14:20). Legend: 0 (blue), 1 (black).

Ports

#: 4

Y-axis: Port # (0 to 15k). X-axis: Port # (0 to 4k). Peaks at Port # ~1000 and ~2000.

Chunk Length

#: 9973, o: 704

Y-axis: Chunks (0 to 3k). X-axis: Byte # (0 to 4k). Peak at Byte # ~1000.

Taskbar: FELIX Core — Mozilla Firefox | Pictures | FELIX E-link Configurator @ littleo...

Backup
