The University of Alabama in Huntsville Space Hardware Club

HELEN Data Report

Icon

Description automatically generated

# General Information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Stat | Payload\_1 | Payload\_2 | Payload\_3 | Payload\_4 |
| 'TIME\_GPS\_ON\_SERIAL' | "NaN" | "NaN" | "NaN" | "NaN" |
| 'TIME\_GPS\_OFF\_SERIAL' | "NaN" | "NaN" | "NaN" | "NaN" |
| 'TIME\_DURATION\_GPS' | "NaN" | "NaN" | "NaN" | "NaN" |
| 'PACKETNUMBER\_FIRST' | "NaN" | "0.0000" | "0.0000" | "NaN" |
| 'PACKETNUMBER\_LAST' | "NaN" | "595.0000" | "594.0000" | "NaN" |
| 'NUMBEROFPACKETS\_EXPECTED' | "NaN" | "596.0000" | "595.0000" | "NaN" |
| 'NUMBEROFPACKETS\_ACTUAL' | "1.0000" | "596.0000" | "595.0000" | "1.0000" |
| 'PACKETNUMBER\_GPSON' | "NaN" | "NaN" | "NaN" | "NaN" |
| 'PACKETNUMBER\_GPSOFF' | "NaN" | "NaN" | "NaN" | "NaN" |
| 'NUMBEROFPACKETS\_GPS\_DURATION' | "NaN" | "NaN" | "NaN" | "NaN" |
| 'NUMBEROFPACKETS\_PERSECOND' | "NaN" | "NaN" | "NaN" | "NaN" |
| 'TIME\_ON\_SERIAL' | "NaN" | "NaN" | "NaN" | "NaN" |
| 'TIME\_OFF\_SERIAL' | "NaN" | "NaN" | "NaN" | "NaN" |
| 'TIME\_DURATION' | "NaN" | "NaN" | "NaN" | "NaN" |
| 'TEMP\_MAX' | "NaN" | "27.6300" | "29.0200" | "NaN" |
| 'TEMP\_MIN' | "NaN" | "23.1200" | "24.0600" | "NaN" |
| 'TEMP\_MEAN' | "NaN" | "26.2020" | "27.3380" | "NaN" |
| 'LATITUDE\_START' | "0.0000" | "0.0000" | "0.0000" | "0.0000" |
| 'LONGITUDE\_START' | "0.0000" | "0.0000" | "0.0000" | "0.0000" |
| 'LATITUDE\_END' | "0.0000" | "0.0000" | "0.0000" | "0.0000" |
| 'LONGITUDE\_END' | "0.0000" | "0.0000" | "0.0000" | "0.0000" |
| 'DISTANCE' | "0.0000" | "0.0000" | "0.0000" | "0.0000" |
| 'ACCELERATION\_MAX\_X' | "NaN" | "6.4430" | "2.8930" | "NaN" |
| 'ACCELERATION\_MAX\_Y' | "NaN" | "1.8630" | "0.7750" | "NaN" |
| 'ACCELERATION\_MAX\_Z' | "NaN" | "13.0230" | "11.5230" | "NaN" |
| 'COUNTS\_TOTAL' | "1.0000" | "57344.0000" | "749568.0000" | "1.0000" |
| 'TIME\_FPGACOUNTER\_RESETS' | "0.0000" | "557.0000" | "580.0000" | "0.0000" |
| 'TIME\_DURATION\_FPGA' | "0.0000" | "0.1547" | "0.1611" | "0.0000" |
| 'COUNTS\_PERSECOND\_MEAN' | "Inf" | "102.9520" | "1292.3600" | "Inf" |
| 'COUNTS\_PERSECOND\_MAX' | "0.0000" | "242.0000" | "1553.0000" | "Inf" |
| 'COUNTS\_TOTAL\_1500' | "0.0000" | "57342.0000" | "749535.0000" | "Inf" |
| 'COUNTS\_PERSECOND\_MEAN\_1500' | "0.0000" | "370613.1000" | "4652289.4150" | "Inf" |
| 'COUNTS\_PERSECOND\_MAX\_1500' | "0.0000" | "0.0000" | "0.0000" | "Inf" |
| 'TICKS\_RESET\_MEAN' | "0.0000" | "3000006.2780" | "77885.2020" | "Inf" |
| 'TICKS\_COUNTS\_MEAN' | "0.0000" | "485663.2220" | "38688.9100" | "Inf" |
| 'DEADTIME\_MEAN\_US' | "0.0000" | "50286.8610" | "783.9260" | "Inf" |
| 'DEADTIME\_MEAN\_PERCENT' | "0.0000" | "0.0503" | "0.0008" | "Inf" |

# Graphs

































