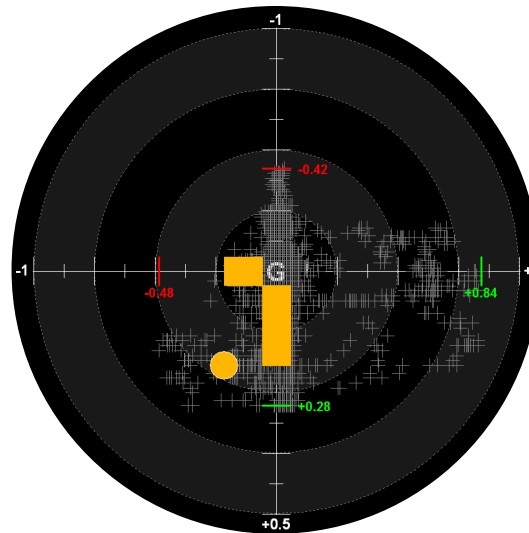


WIDGET 1 – CLOCK / TEMPERATURE/HUMIDITY



WIDGET 2 – G-FORCE



WIDGET 3 – BATTERY

Splash screen: Boot duration



Arduino Data TX -> Raspberry Pi RX – String = a,b,c,d,e,f,g,h

| a (int) = 1 (Widget 1: clock/temp/humidity) | | | |
|---|---------|----------------|------------|
| b (bool) | dimming | 0 = dim | 1 = bright |
| c (string) | date | "27 September" | |
| d (string) | day | "Friday" | |
| e (int) | Hour | 0 to 24 | |
| f (int) | Minute | 0 to 60 | |
| g (int) | Second | 0 to 60 | |
| h (int) | CRC8 | | |
| | | | |

| a (int) = 2 (Widget 2: g-force) | | | |
|---------------------------------|---------|---------|------------|
| b (string) | dimming | 0 = dim | 1 = bright |
| c (int) | | | |
| d (int) | | | |
| e (int) | | | |
| f (int) | | | |
| g (int) | | | |
| h (int) | CRC8 | | |
| | | | |

| a (int) = 3 (Widget 3: battery voltage) | | | |
|---|---------|---------|------------|
| b (string) | dimming | 0 = dim | 1 = bright |
| c (int) | voltage | 8 = low | 16 = high |
| d (int) | | | |
| e (int) | | | |
| f (int) | | | |
| g (int) | | | |
| h (int) | CRC8 | | |
| | | | |

Note:

- 1) If CRC8 fail, just show the widget with all readings at 0