

The most intelligent GNSS Record & Playback

GNSS Sensor Characterization

PNT Performance Evaluation

Real-World Signals

StellaNGC Record & Playback

With StellaNGC's Event-based Controlled Record
You can Save



Time



Storage



Money



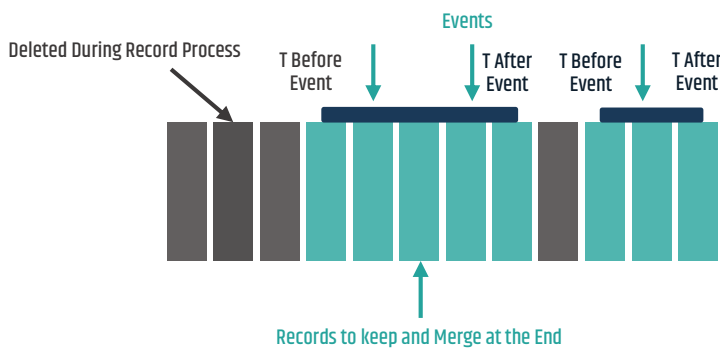
Key Features

- ✓ Record & replay all GNSS Bands
- ✓ Digital signal (PPS signal)
- ✓ Multiple simultaneous signal
- ✓ Highly configurable :
 - Center Frequency, Bandwidth, Quantization, Reference Level
 - Delayed Start / Hardware TTL Trigger
 - Start Offset on Playback
 - Configurable RF Gain on Playback
 - Support for different RF targets: from high-grade (VST 1st and 2nd generation) to entry-level (USRP-RIO)
- ✓ Ergonomic Graphical User Interface
- ✓ Application Programming Interface through TCP commands
- ✓ Predefined GNSS Bands selector
- ✓ Precalibration Procedure
- ✓ Monitoring (RF Spectrum, ADC/DAC Occupation)
- ✓ Conversion tool for Post-Processing on I/Q Samples

Add-Ons

Smart I/Q Recorder

Reduce the records size without compromise on records fidelity through event detection and selective compression



Automatic Gain Control

Provide a controlled signal amplitude at the output, despite variation of the amplitude in the input signal



Specifications

- ✓ 4 Simultaneous Channels
- ✓ Recorded Band from 100MHz to 6GHz (1Hz step)
- ✓ Bandwidth from 1 to 250MHz (step 1MHz)
- ✓ Quantization from 1 to 16 bits
- ✓ Positioning Fidelity : 98% (on 95 percentiles)
- ✓ Interchannels Synchronization : 5ps

Hardware Platforms



USRP-RIO



VST 2nd generation



Get In Touch

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