

OTFN monitored with TimeMap

Filippo Landini, Fabio Farina

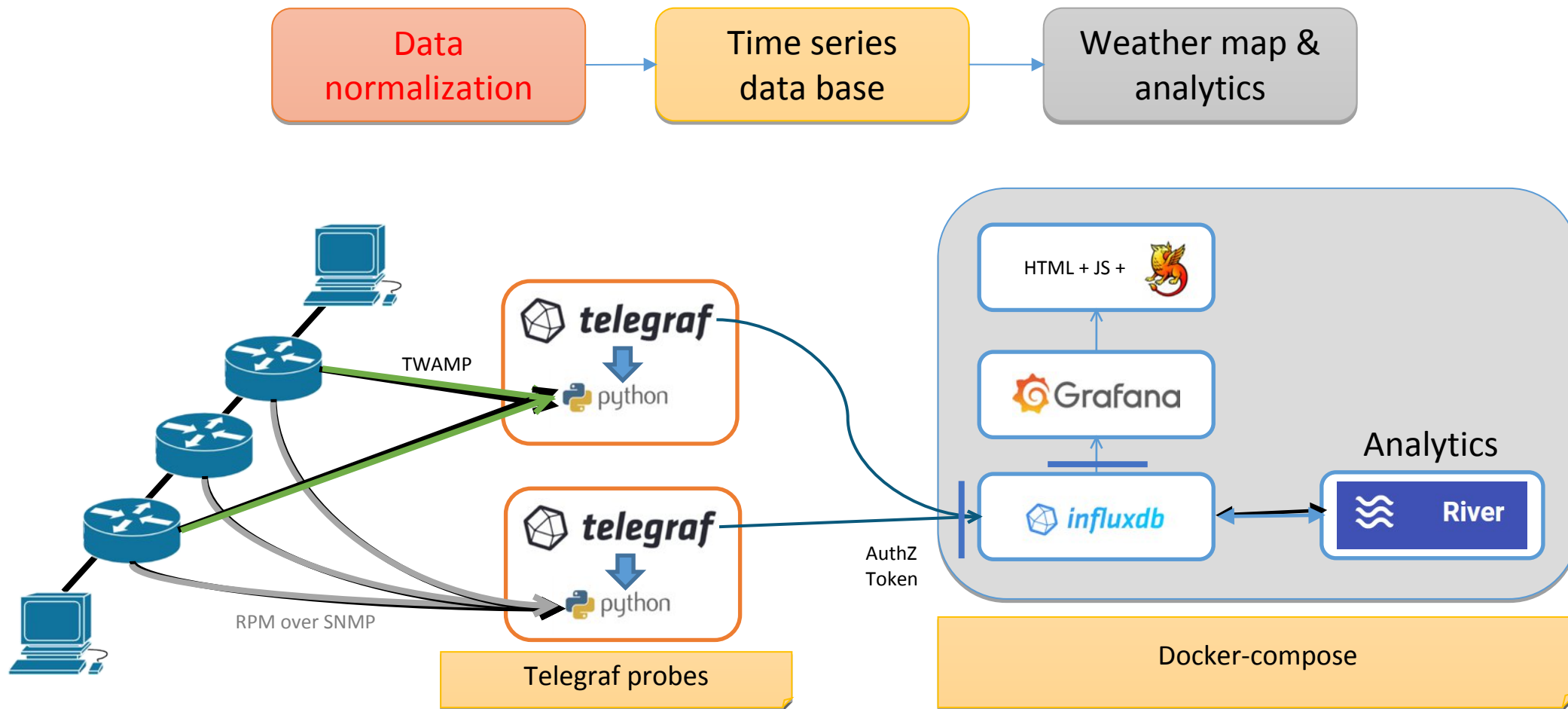
GARR & GN5-2 WP6 T3 team
TimeMap-dev@lists.geant.org

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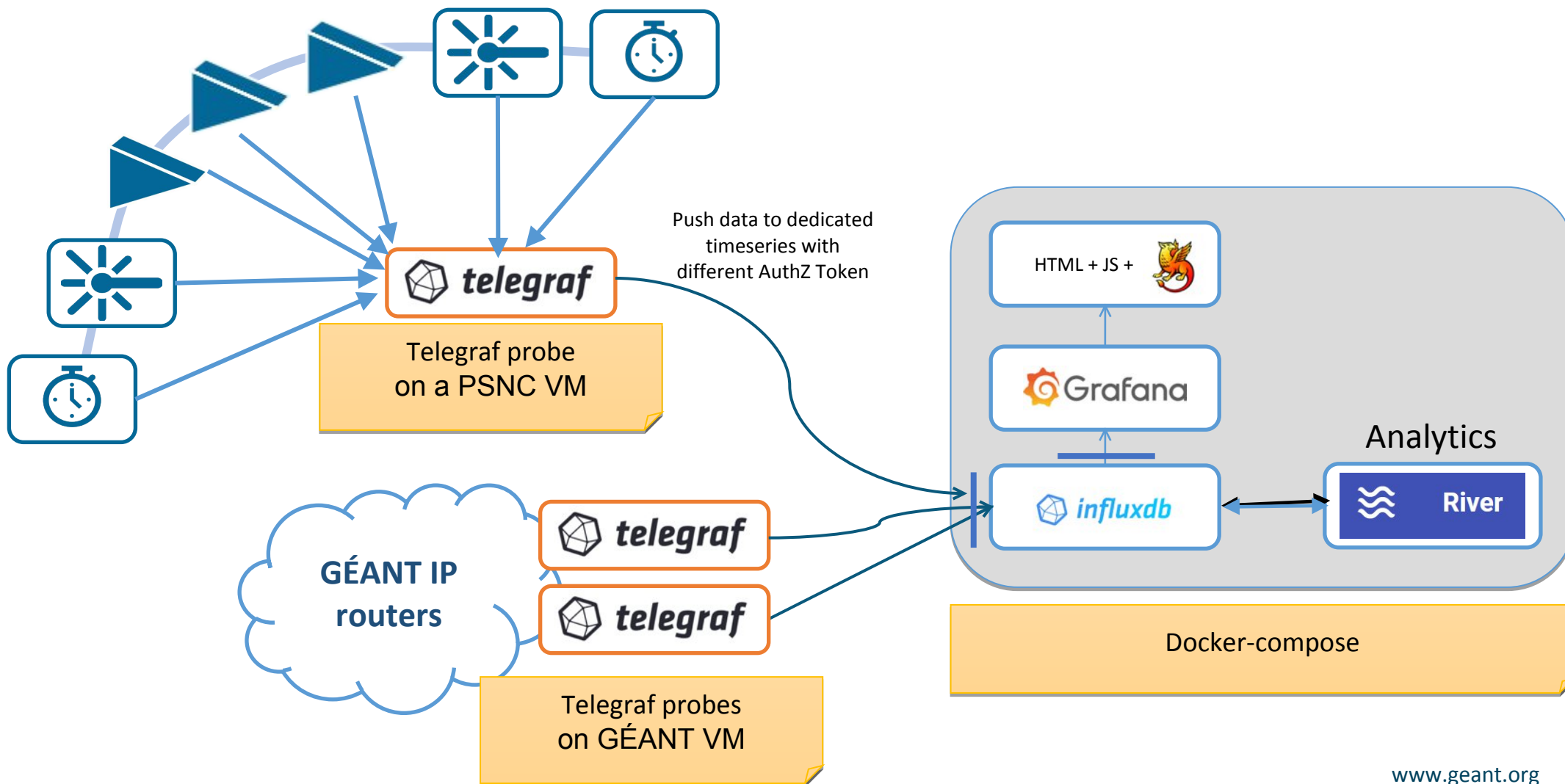


TimeMap

TimeMap architecture for GÉANT



TimeMap architecture for OTFN

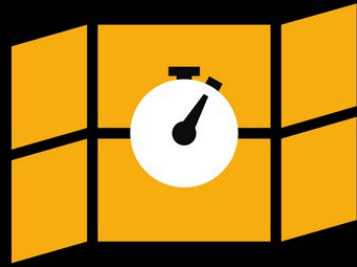


Data models

Home > Dashboards > Dev > Field inspector ☆ 📄 ⚙️ Add ▾ Share 🕒 Last 5 minutes ▾

GÉANT fields	
Field	Last Value
dst_latitude	47
dst_longitude	28.9
egressAverage	0.665
egressMax	1.30
egressMin	0.0910
egressStdDev	0.317
ingressAverage	5.96
ingressMax	6.54
ingressMin	5.31
ingressStdDev	0.317
negRtt.JitterAverage	0.0140
negRtt.JitterMax	0.0380
negRtt.JitterMin	0.00100
negRtt.JitterStdDev	0.0100
posRtt.JitterAverage	0.0120
posRtt.JitterMax	0.0380
posRtt.JitterMin	0
posRtt.JitterStdDev	0.0100
roundTripTimeAverage	6.62
roundTripTimeMax	6.64

OTFN fields	
Field ↓	Last Value
ULState	0
ULState	1
ULNoiseLF	69
ULNoiseHF	14
ULBeatPowCur	0
ULBeatPowCur	38-
Interface sfp5(): Operational status	1
Interface sfp5(): Operational status	1
Interface sfp5: Optical Rx Power	15.0-
Interface sfp5: Optical Rx Power	18.0-
Interface sfp2(): Operational status	1
Interface sfp2(): Operational status	1
Interface sfp2: Optical Rx Power	19.1-
Interface sfp2: Optical Rx Power	14.8-
DL1State	1
DL1JittMax	0
DL1BeatPowCur	50-



TimeMap

Welcome to TimeMap! TimeMap is a tool that collects and visualises latency and jitter measurements over the Géant backbone. TimeMap helps in verifying network anomalies and performance issues.

For security reasons, to access this website eduGain login is required.
The service does not involve processing of personal data.
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TimeMap has been created by the GN4-3 WP6 T1 group. 2020-2022
For information write to [WP6-T1 contact](#)



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Home-page

<https://timemap.geant.org/>

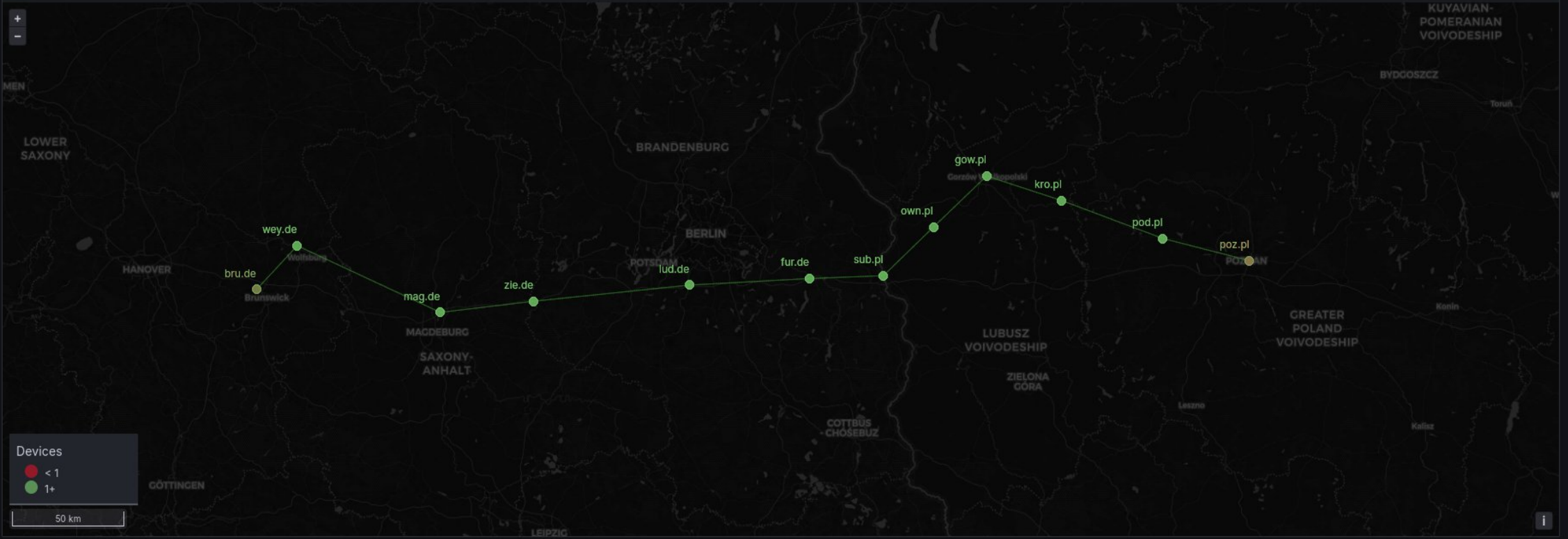
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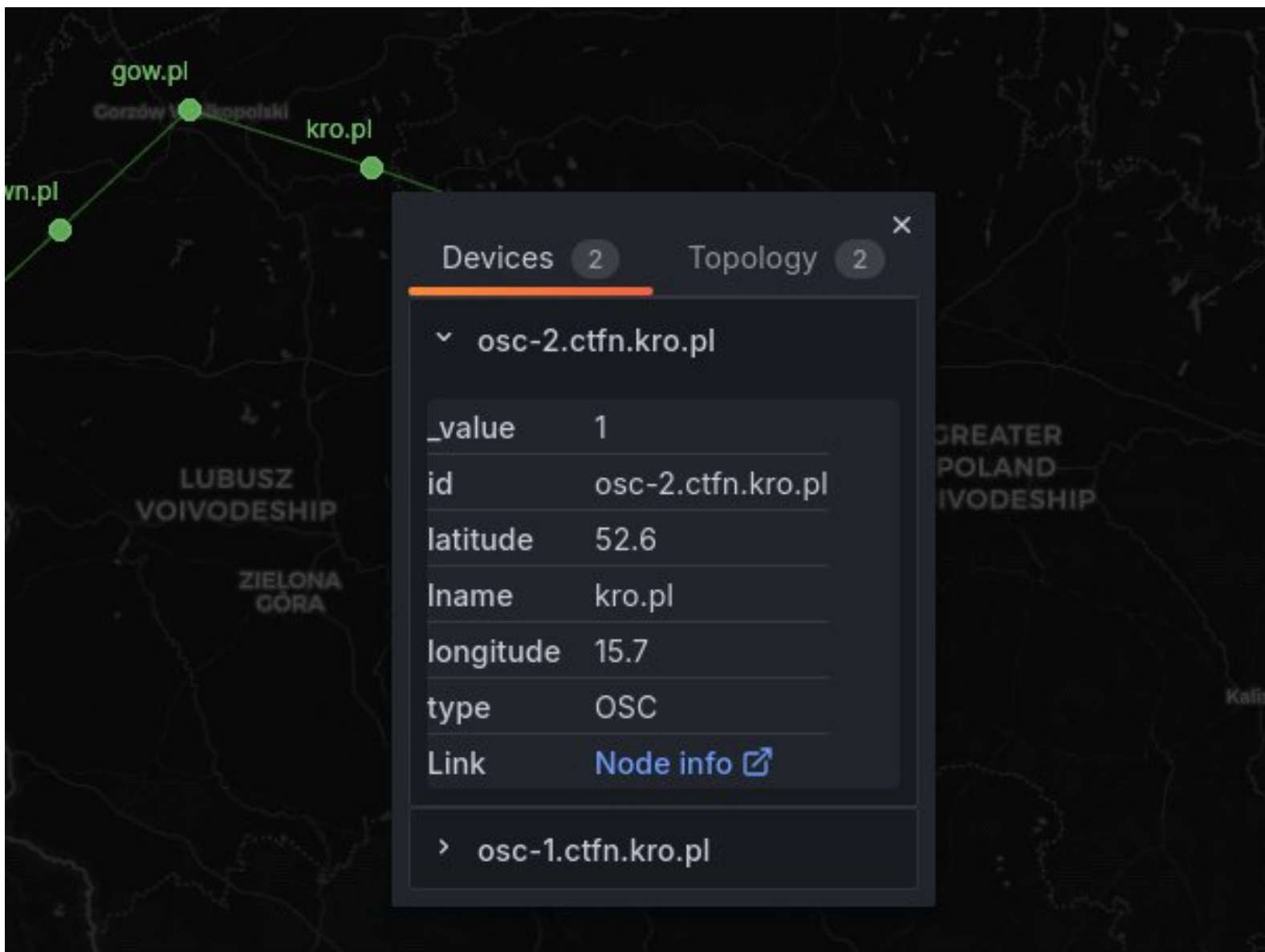


TimeMap - OTFN Testbed

Click on a node on the TimeMap Sampling panel to access the detailed view about the sampled latency and jitter measurements.

OTFN - TimeMap Sampling







Search or jump to...

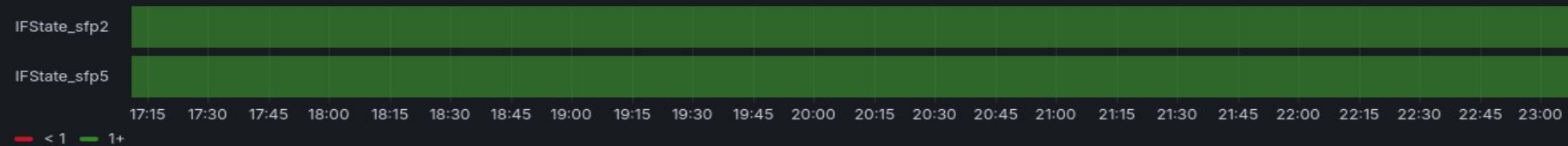
ctrl+k

Home > Dashboards > OTFN-Dev > OTFN Dev Dashboard by Location ☆

Location osc-2.ctfn.kro.pl

Location: osc-2.ctfn.kro.pl

State timelines



Optical Rx Power



UpLink / DownLink States



Beat Power

No data



Search or jump to...

ctrl+k

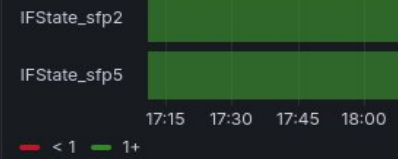
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Location osc-2.ctfn.kro.pl

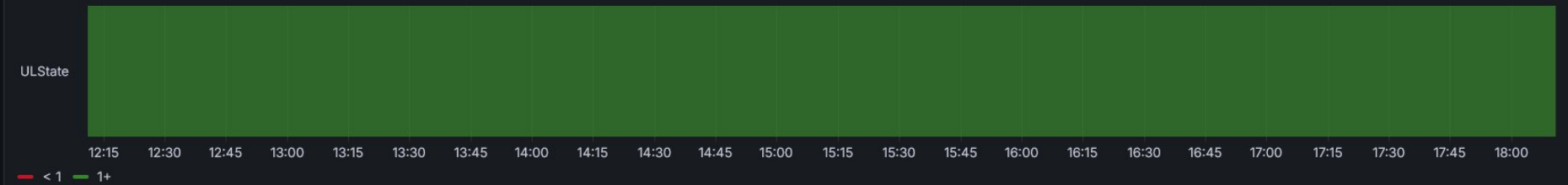
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Location: osc-2.ctfn.kro.pl

State timelines



State timelines



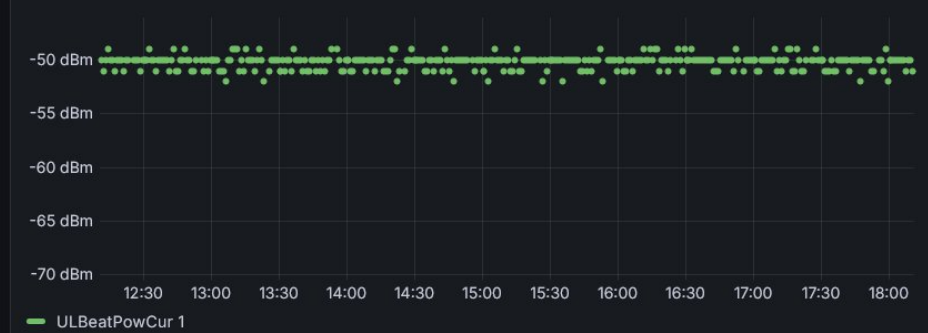
Optical Rx Power



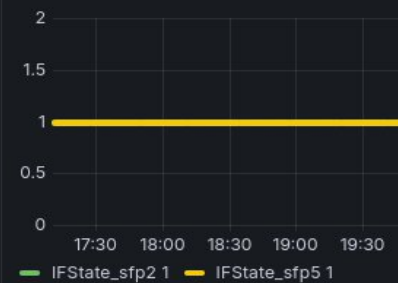
UpLink / DownLink States



Beat Power



UpLink / DownLink States

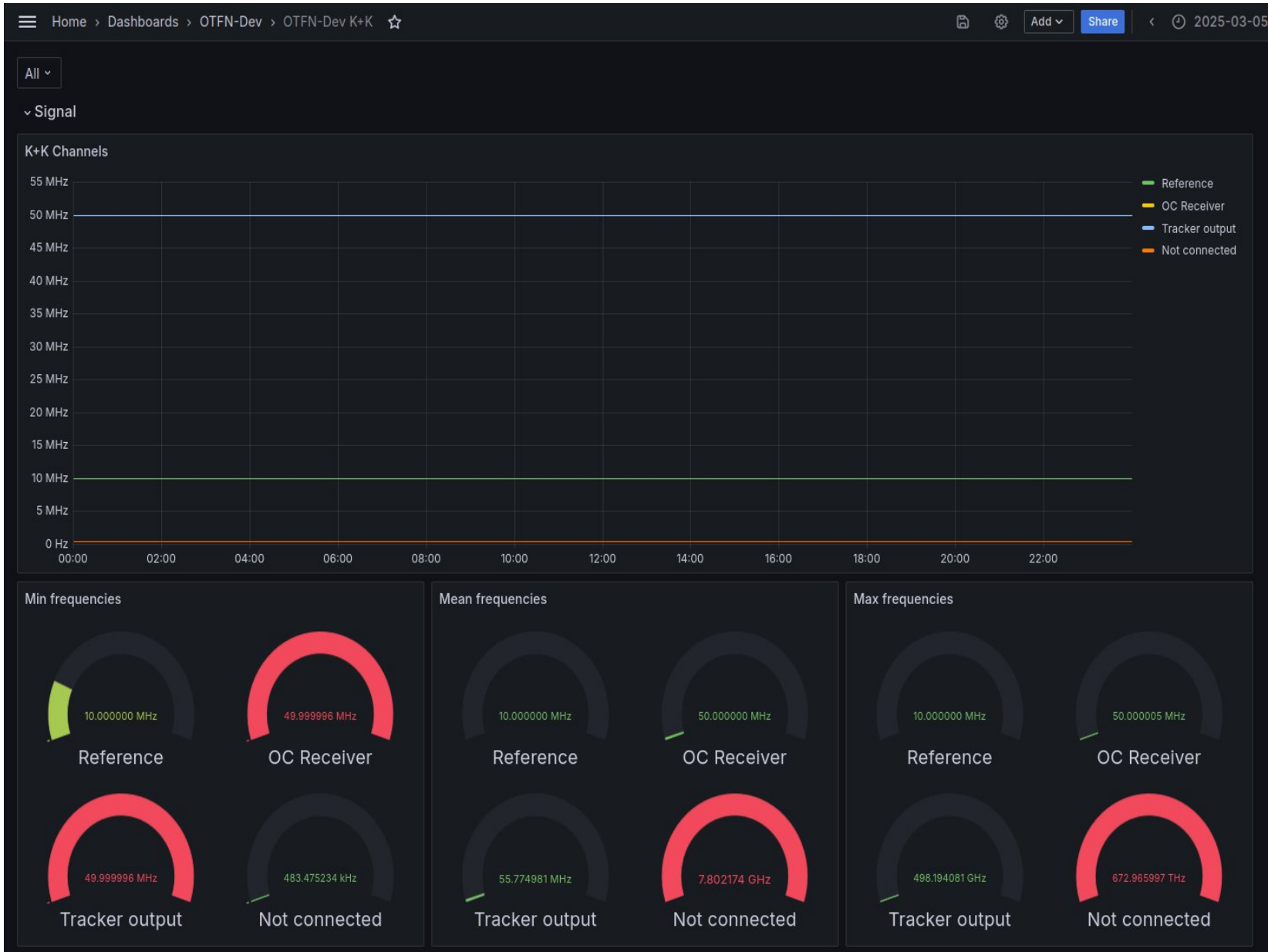


Noise



Max Jitter

No data



Tracker output ▾

Signal

K+K Channels



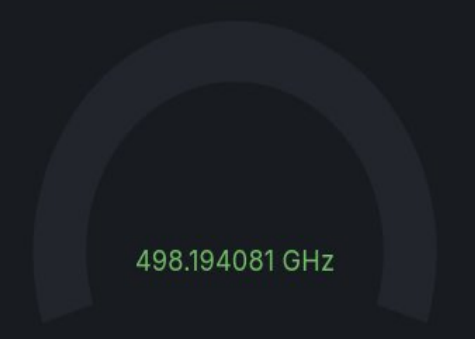
Min frequencies



Mean frequencies



Max frequencies



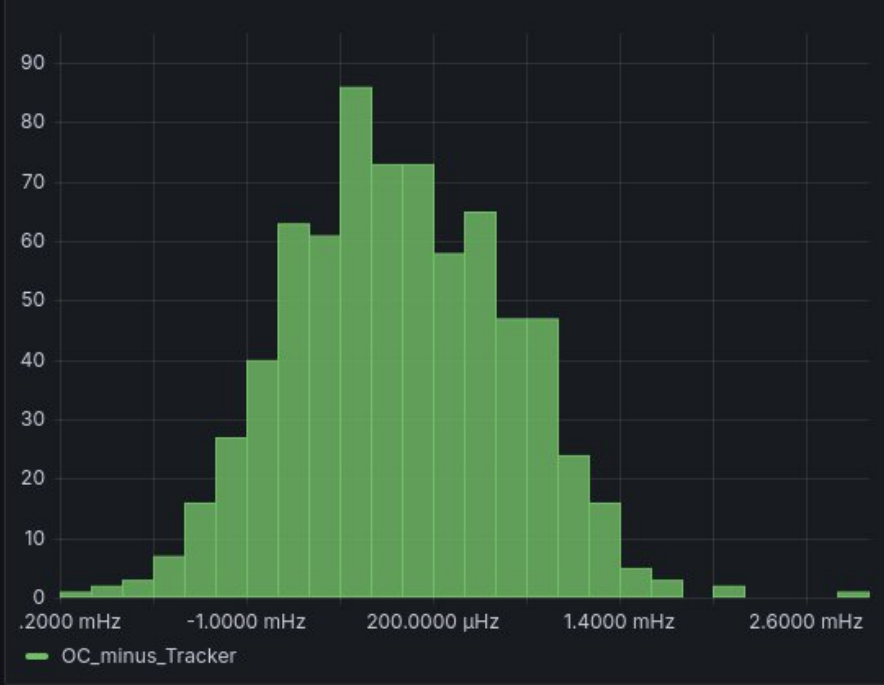
▾ Additional details: OC Receiver and Tracker output

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Difference between OC and Tracker



Difference between OC and Tracker - Histogram



Difference between OC and Tracker over Moving Average





Search or jump to...

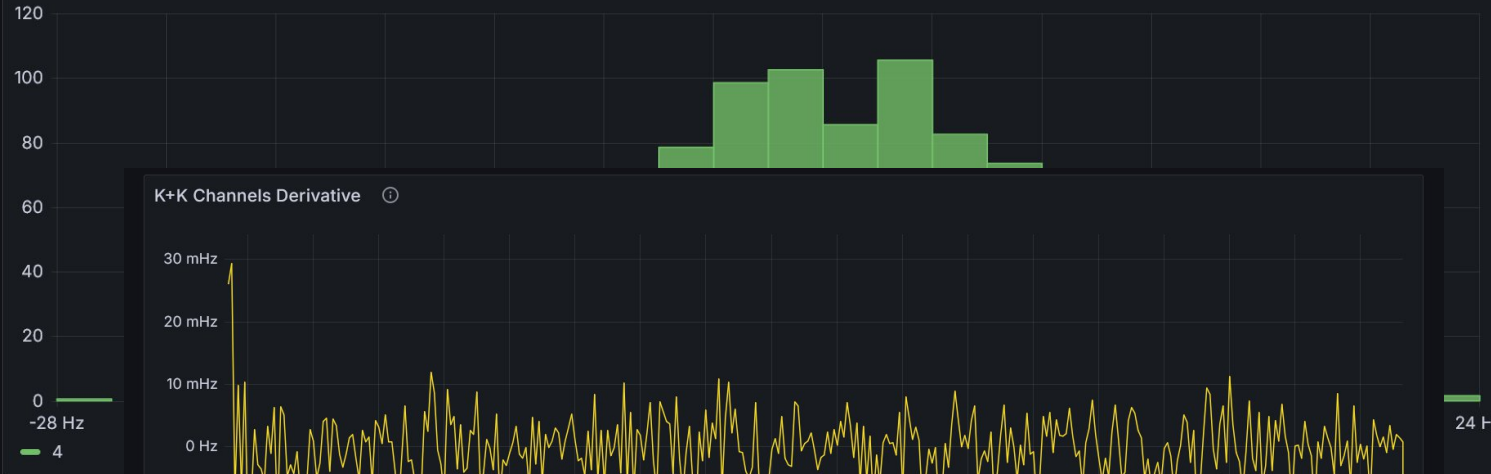
ctrl+k

Home > Dashboards > OTFN-Dev > OTFN-Dev K+K ☆

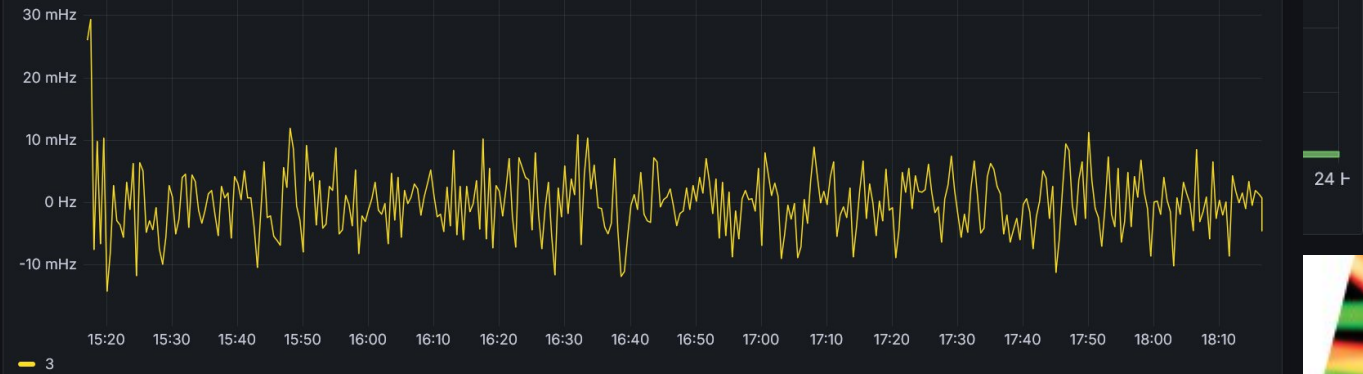
K+K Channels Timed Moving Average (every 30s, period 5m)



K+K Channels Derivative Histograms



K+K Channels Derivative



K+K Channels Derivative



K+K Channels Derivative Histograms

