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Instrument status

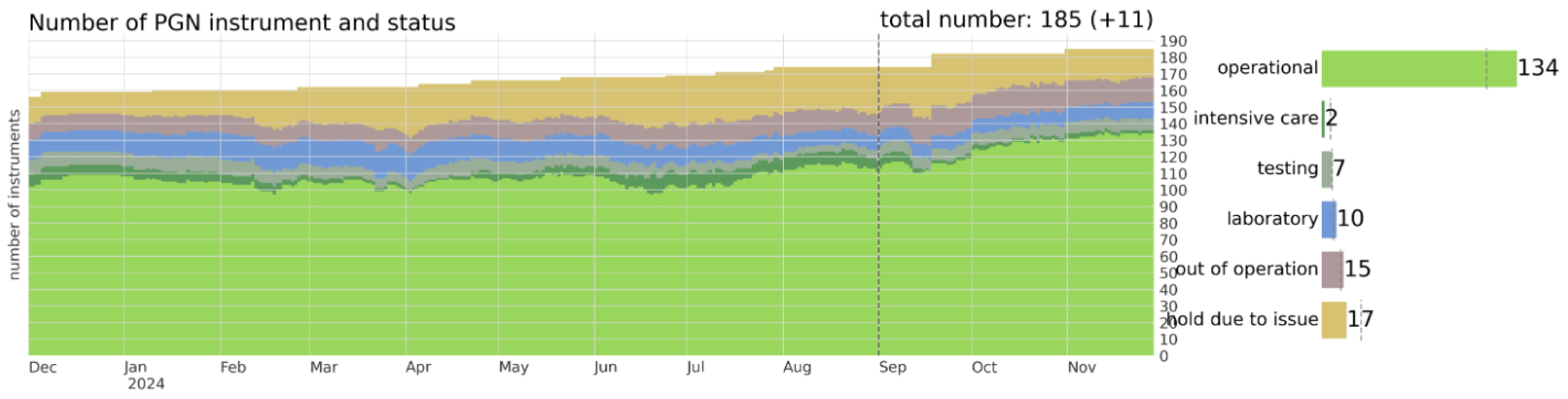
from 2024-09-01 to 2024-11-30

Introduction

This section reports about the evolution of the operational status and issue occurrance of official PGN instruments.

- **Figure 1** shows the absolute and fractional change in the operational status.
- **Figure 2** shows the absolute and fractional change of issue occurrance. The issue categories are explained in the corresponding legend.

Operationality status



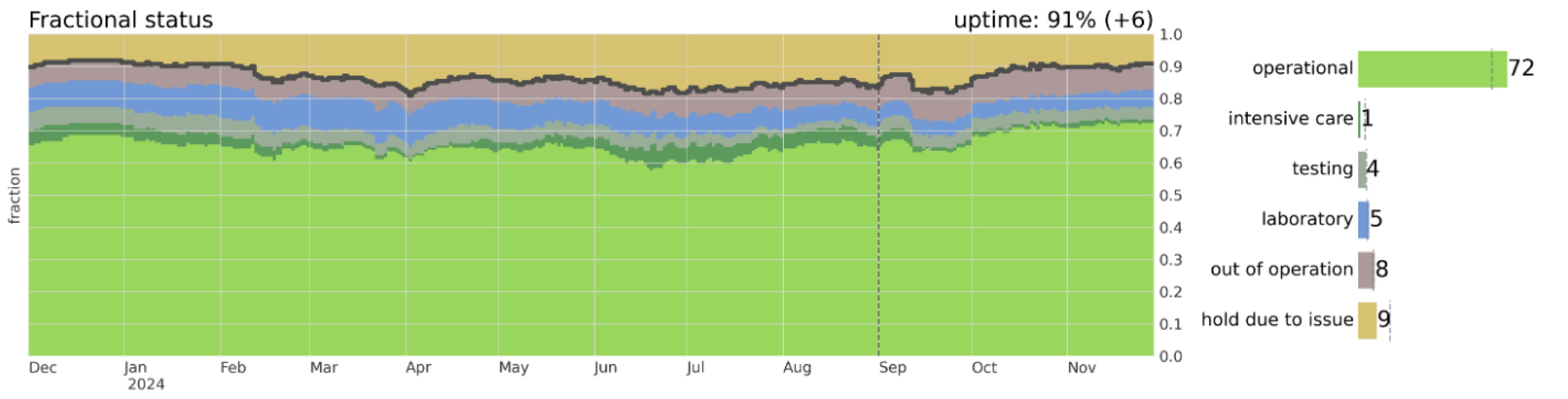


Figure 1

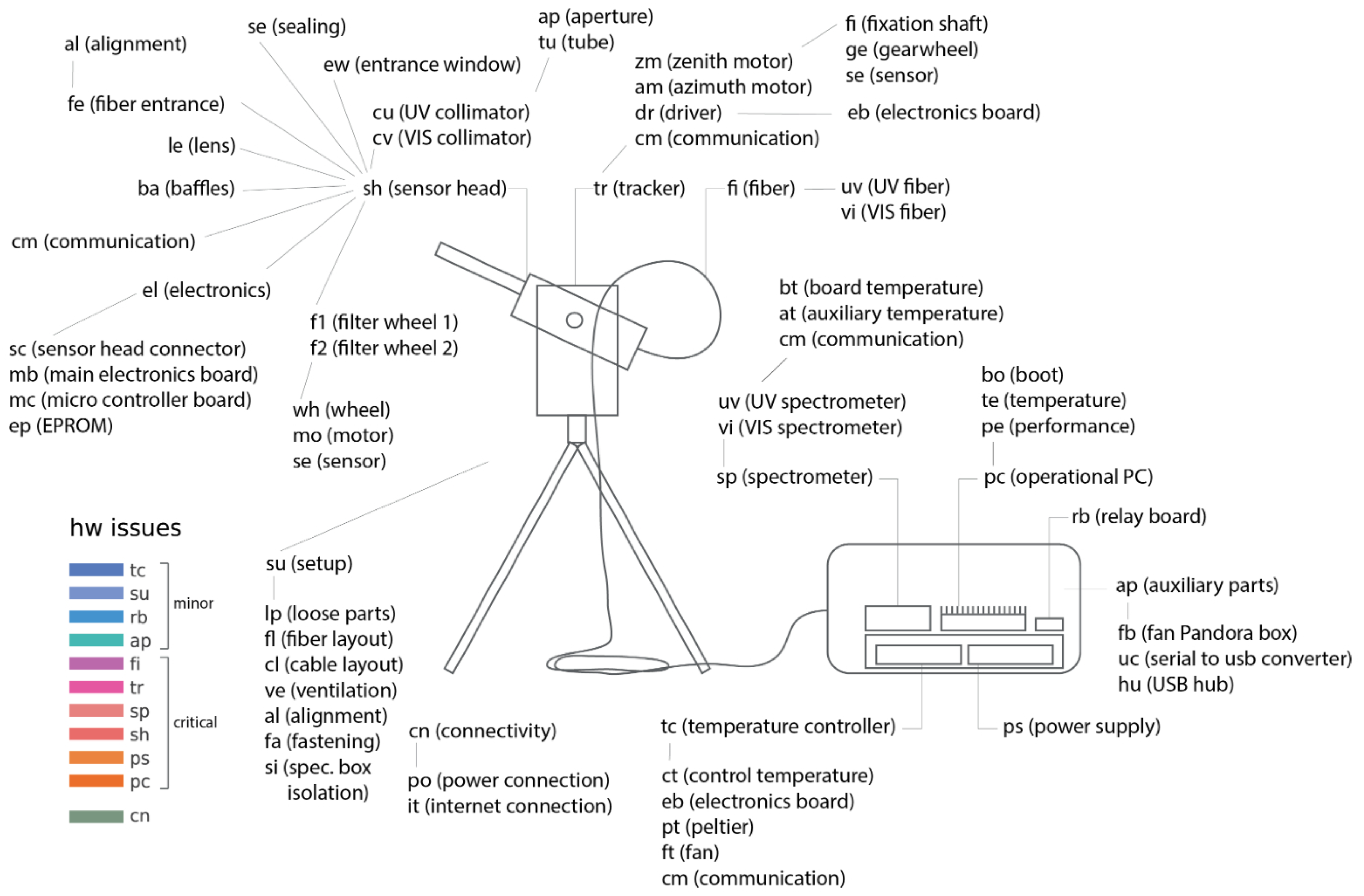
The evolution of the number of PGN instruments and its operational status over the selected time period is shown here - in absolute (fractional) numbers in the upper (lower) panel. While the left side of each panel displays the temporal evolution, the right panel lists the state at the end of the requested reporting period. The total number of instruments (uptime) at the end of the requested reporting period is mentioned above the figure in the upper (lower) panel. Additionally the change over the reporting period is given in brackets. Please note: *uptime* is defined as the fractional time where the instruments were not *hold due to issue*.

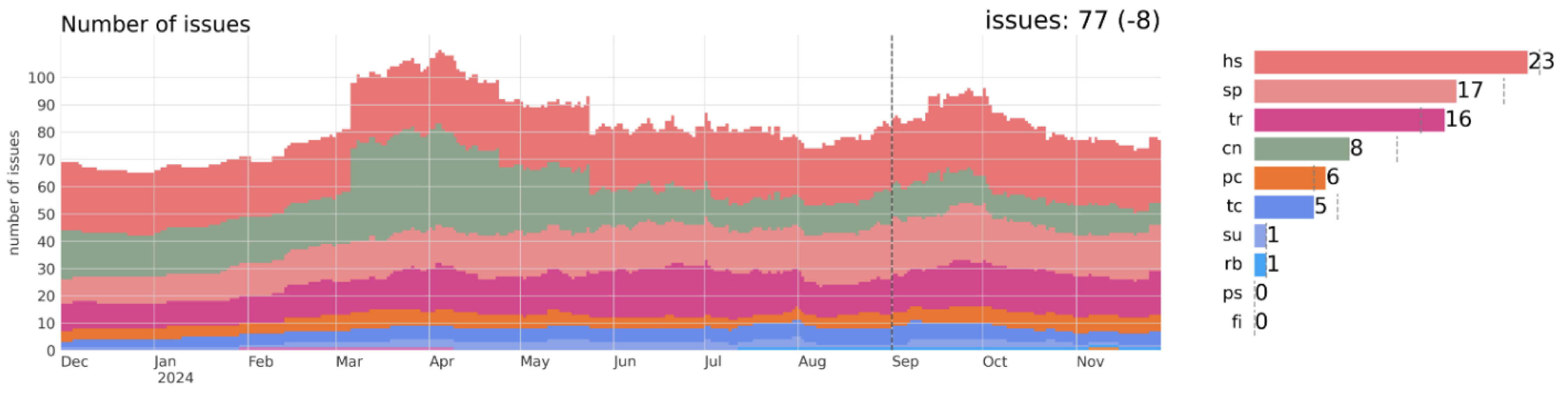
One of the following status can be assigned to an instrument:

- **operational** - the instrument is running in monitoring mode and is checked by a network operator typically once per week.
- **intensive care** - the instrument is running in monitoring mode (hence this is also an *operational* status), but it is checked by a network operator on a daily basis. This is usually done during the first weeks after an instrument has been installed or after an issue has been present.
- **out of operation** - the instrument is deliberately taken out of the monitoring. This is most often due to maintenance work (like cleaning the entrance window), a relocation or a temporary removal of the instrument for expected bad weather conditions.
- **hold due to issue** - the instrument is at the location, but cannot operate due to an issue.
- **laboratory** - the instrument is in the laboratory for maintenance, upgrade, calibration, testing etc.
- **testing** - the instrument is being tested and therefore not running a measurement schedule for monitoring. This affects mostly the instruments at testing facilities such as Innsbruck, Columbia MD and Greenbelt MD.

Instrument issues

Figure 2 legend





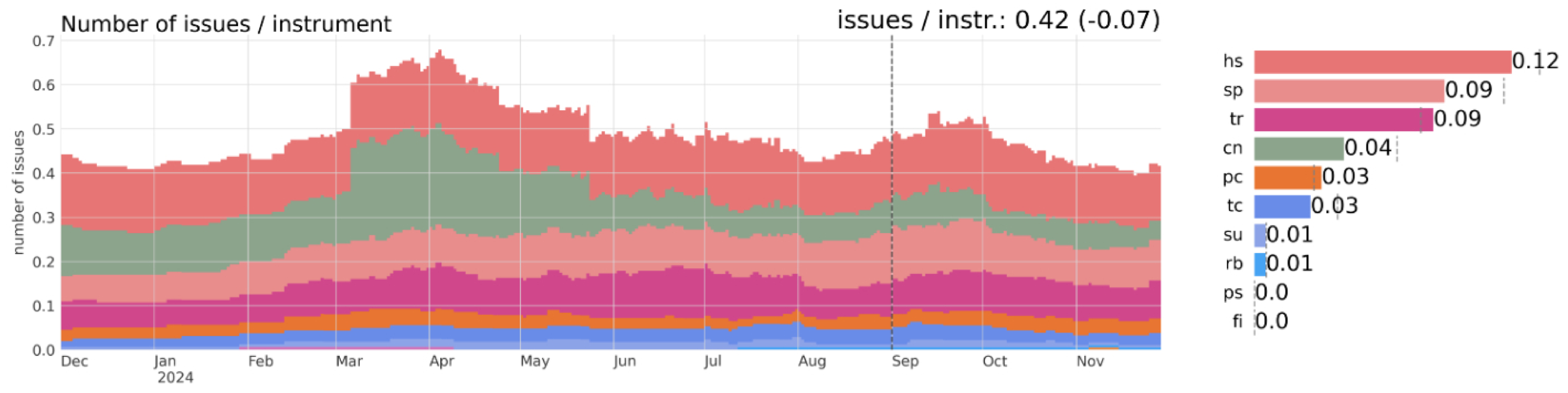


Figure 2

Evolution of Pandora hardware issues of different categories is shown here - in absolute (fractional) numbers in the upper (lower) panel. While the left side of each panel displays the temporal evolution, the right panel lists the state at the end of the requested reporting period. The average issue per instrument at the end of the requested reporting period is given above the plot with the change with respect to the reporting start written in brackets.

Notable events

About this section

This section of the reporting web tool serves as deliverable D3 and D13 of the ESA project Pandonia Operations 2 (POp-2).

POp-2 is contracted to LuftBlick