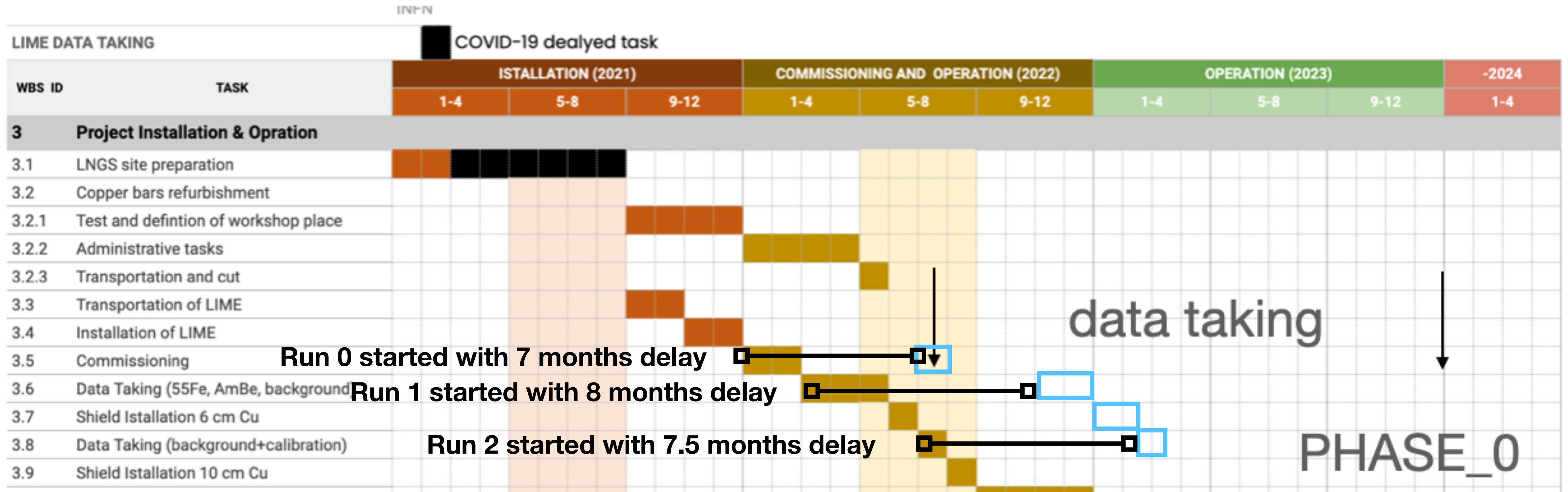


# Meeting CYGNO News

# PHASE 0 - LIME: GANTT



For delayed delivery of materials, the preparation of LIME site and the detector installation took more time than expected;

First data tacking (Run 0) planned to start in January 2022, started in July with 7 months delay;

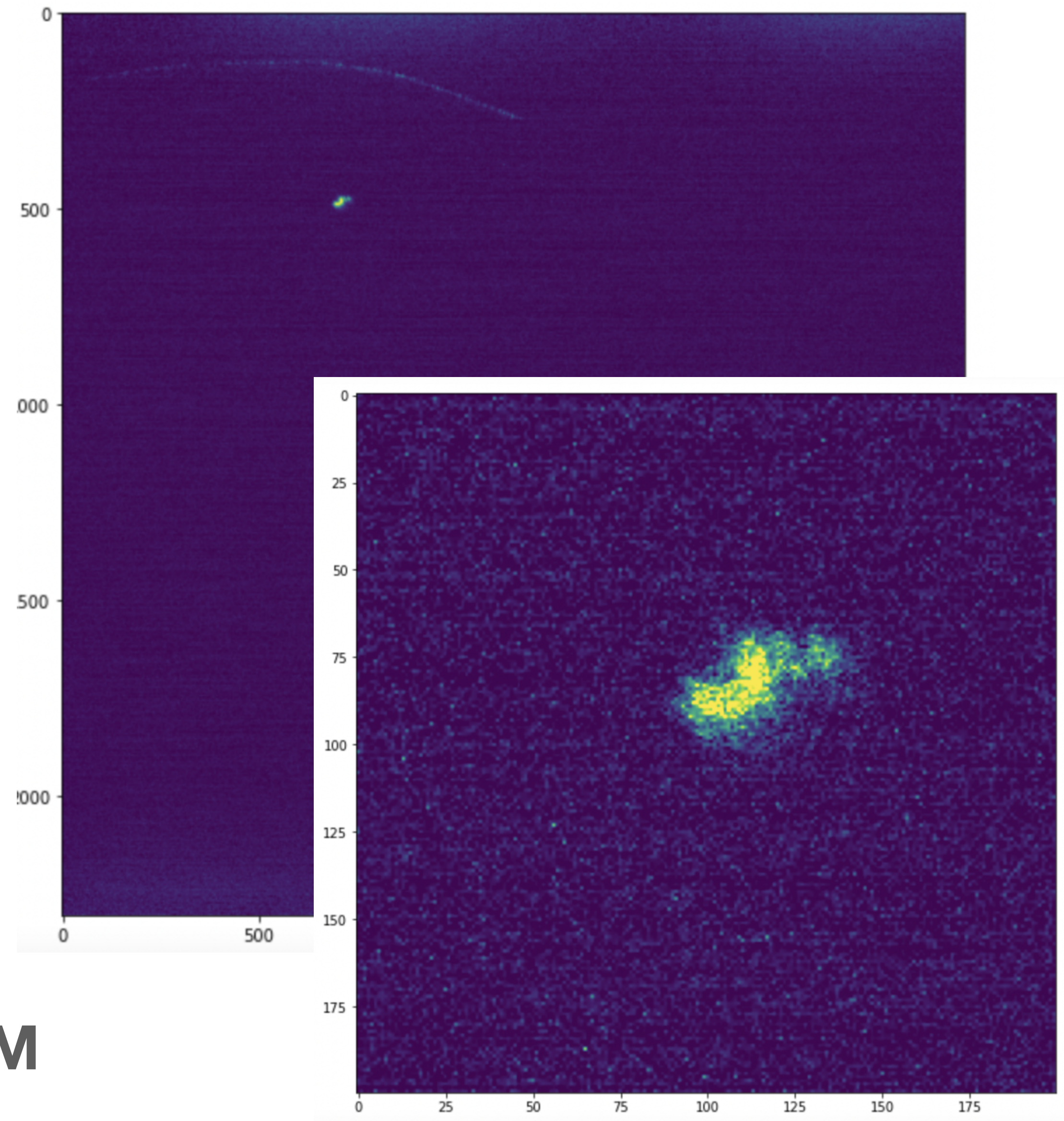
INFN is aware of this

# Summary on Run 2

Since Monday **Run 2 will be finished!**

We took a lot of data that seems to be very good, **thanks a lot to all people** that helped and collaborated to the detector maintenance, data taking, data analysis, shifts, organisation and coordination.

We already had some hints from **DM**



# Next data tacking: Run3

**Since Monday** Run 2 will be considered as closed

We enter in “**shutdown**” mode to prepare for **Run 3: 10 cm copper shielding**

Main goals: measurement of the **neutron flux in LNGS** Underground Labs

Other test: **calibration** to neutrons with **AmBe** source

The data taking will last **6 months**

# Plans for the shutdown

During Run 1 and Run 2, the detector ancillary **systems** showed several **serious issues**;

Moreover, we were obliged to run with **20 l/h gas flow** that is **not affordable**

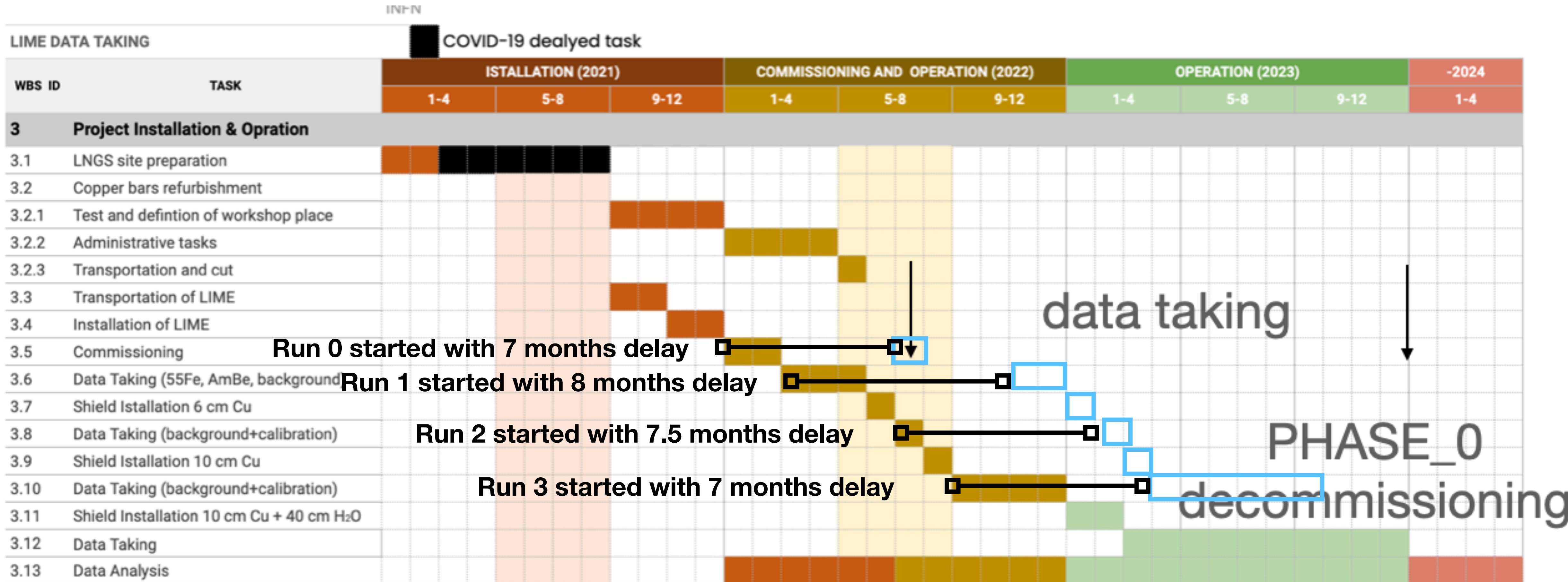
We cannot start the 6 months long Run with the instabilities we faced in the last days (also for our mental health);

I think during the shutdown, all the **main issues** encountered in Run 1 and Run 2 should be **understood** and **fixed**;

The **shutdown** phase should last enough to start with a stable situation;

Let's assume to restart 1 April;

# PHASE 0 - LIME: GANTT



With this pace, we could close the LIME data taking in the middle of 2024

One year before the planned start of CYGNO\_04 data taking