

ESS Key Dates & Milestones

Dates given below are based on current rolling wave schedule as of September 2020.

Schedule re-baseline is expected to take place in first half of 2021, depending on level of certainty of covid related delays. If this occurs, then a new baseline schedule will be in place by end of 2021.

Rolling wave planning will continue both up to re-baseline and afterwards.

High Level Milestones

March 2023 : Beam on Target (BOT) and Start of Hot Commissioning

January 2024 : First Science (BOT + 9 months)

October 2024 : Start of User Programme (FS + 9 months)

Currently NSS holds 8 weeks float to beam on target (BOT) i.e. NSS will be ready for beam on target in January 2023. At that point we currently see that there are 6 instruments that could be ready at that point assuming no further delays to instrument delivery.

Critical path for beam on target currently runs through target systems installation including the beam port inserts. NSS is only on critical path to user programme once hot commissioning starts – i.e. NSS will be ready to start hot commissioning as soon as neutrons can be produced.

Bunker Access Dates

These are the start dates when instrument teams can install equipment in the bunker. A prerequisite for each of these dates is that all the beam port inserts (NBPI) containing the in-monolith optics (NBOA), and blind plugs for unused beam ports, are installed for the sector in question. Design, manufacture and installation of the NBOA into the NBPI is being managed by NSS, design, manufacture and installation of the NBPI into the monolith is being managed by Target Division.

September 2021 : Bunker access N sector (**LoKI, Test Beamline**, Freia)

October 2021 : Bunker access S sector (**ODIN, DREAM**)

November 2021 : Bunker access E sector (**Estia**, SKADI, Vespa)

March 2022 : Bunker access W sector (**C-SPEC, BIFROST, MAGiC, BEER, NMX, T-REX, MIRACLES, HEIMDAL**)

*Beamlines in bold indicate expected installations in this open period.
A further open period will be