



P-ONE second pathfinder mission: STRAW-b

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What is this contribution about?

We report about STRAW-b, the second pathfinder mission towards the future Pacific Ocean Neutrino Experiment (P-ONE), that will be built in Cascadia Basin at 2600 m depth off-shore Vancouver Islands, coupled to the Ocean Networks Canada underwater infrastructure.

Why is it relevant / interesting?

The main goal of STRAW-b is to validate the attenuation length already measured by STRAW and to add new information on the background characterisation with the study of the deep sea diffused light spectrum.

What have we done?

The first steps aimed at the feasibility study and the characterisation of the optical properties of Cascadia Basin with a first pathfinder project named STRAW (STRing for Absorption length in Water), deployed in 2018. During the last two years, a second pathfinder project has been developed and deployed: STRAW-b.

What is the result?

We present all the steps from the design to the realisation of the mooring, with a special focus on the adopted technologies.