Institute of Geodesy and Geoinformation für Geodäsie und Geoinformation

University of Bonn

UNIVERSITÄT BONN

igg

November 22, 2025

Course: Coordinate Systems

Homework Assignment 2 - Coordinate Transformation of TLS Data

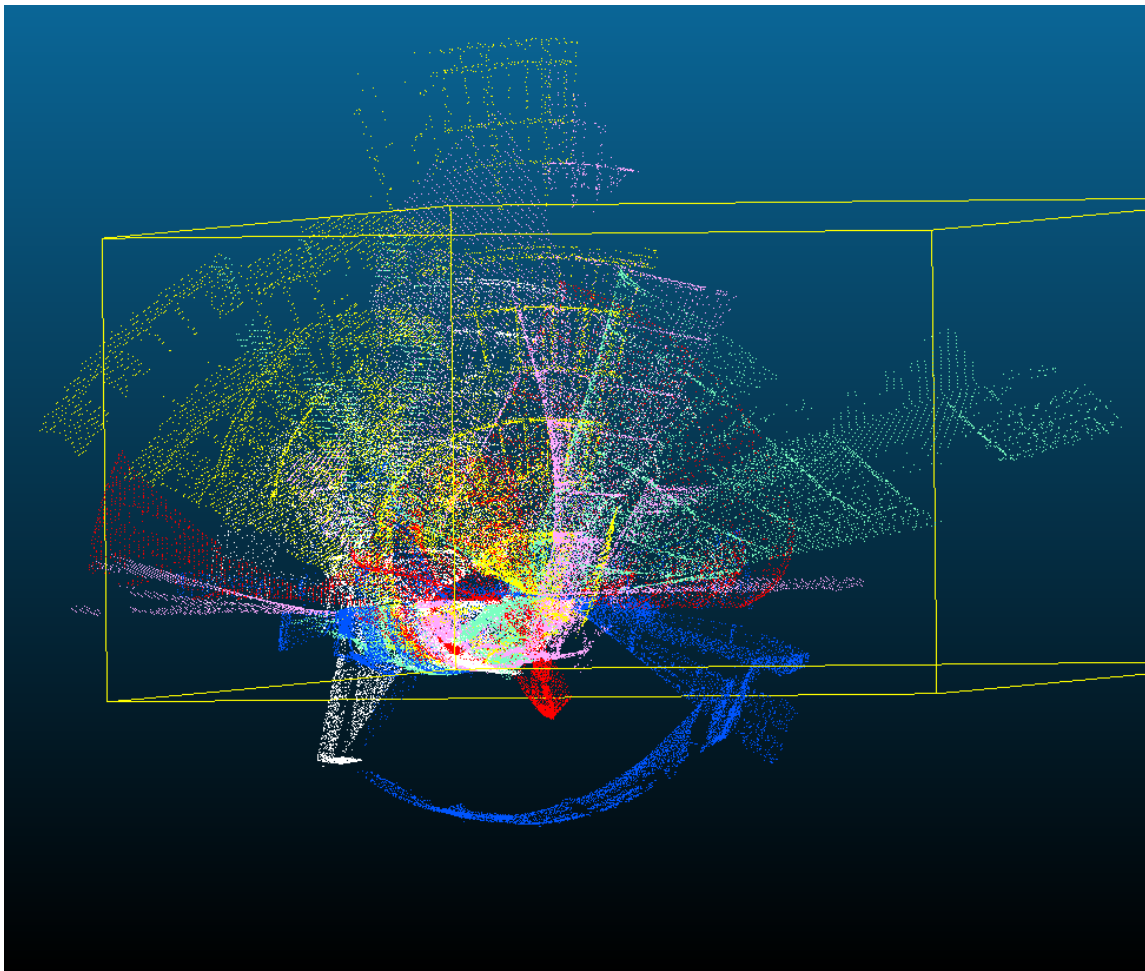**Sandesh Pokhrel**

A. Task 1

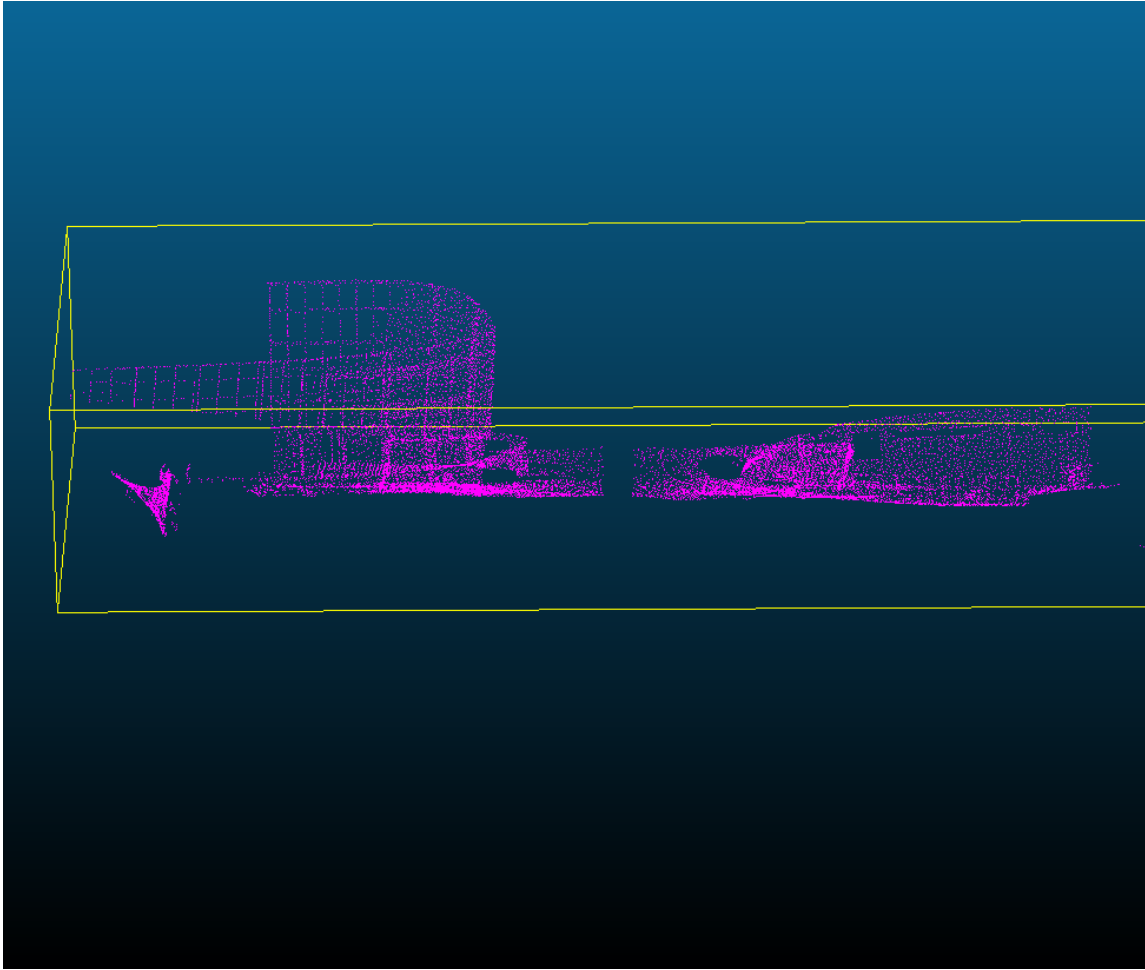Figure 1: Visualization of the Cartesian Coordinates.

B. Task 2

Figure 2: Visualization of S4 after Applying Transformation Parameters.

C. Task 3

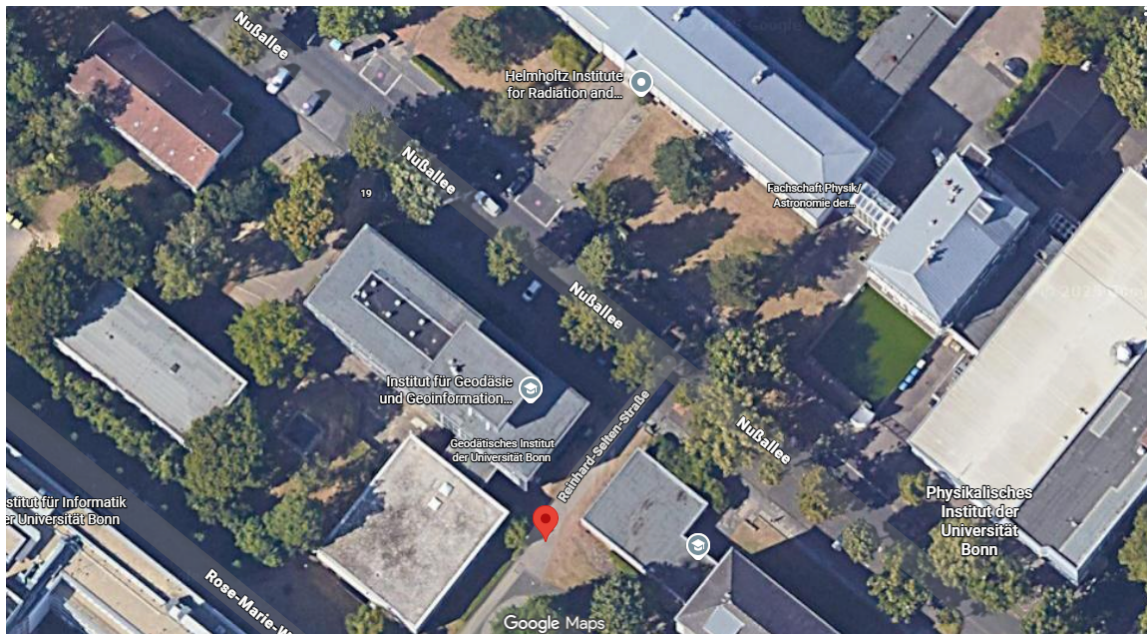**Nußallee 17 - Institute of Geodesy and Geoinformation building was measured with the terrestrial laser scanner in this task.**

Figure 3: View of Nussallee 17.