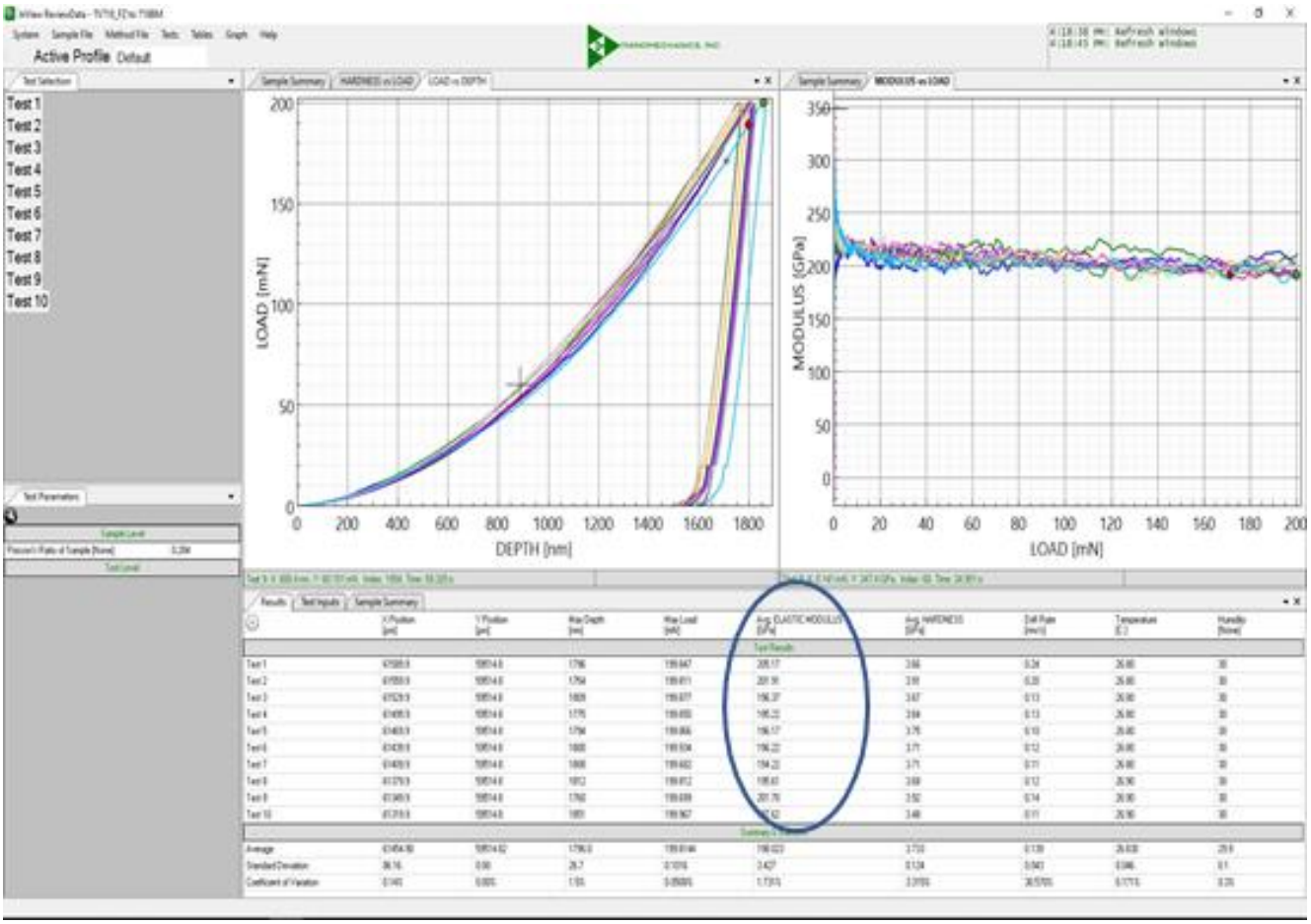
Response to Reviewer 2 Comments (Highlighted with Yellow Colour)

This manuscript presented a nanoindentation creep behavior Investigation on a dissimilar metal welded joint. the microstructural characterization of this joint was first conducted with SEM with EDS. and then the hardness, and ambient temperature creep were investigated by nanoindentation. relevant works has the potential to optimize welding process of dissimilar metal welded joint.
the English language of the paper is OK, the general quality of the paper is good for that journal, and i think it can be published in the journal of Metals after minor revision. below are some comments:

Point 1: Figure 6. The XRD spectrum: the title of the X axis changes to: "2Θ (degree)"
Response 1: Title of X-axis changed to "2Θ (degree)"

Point 2: Figure 10. Hardness/Elastic Modulus vs. V to IN718 plots: How many times these tests have been repeated? Why the standard deviations of each point have not been added to the plots? (Idem Figures 11-14)
Response 2: The indentation line scan has been repeated 3 times for each location. Error bars are added in Figure (9-13).

Point 3: The manuscript refers to elastic modulus in Section 2.3.1, but didn't calculate it in the subsequent research which is confusing.
Response 3: Elastic modulus can be calculated from the equation in section 2.3.1. In addition, modulus can also be calculated from the slope of upper region of unloading curve of P-H plot. In our case, elastic modulus is calculated directly from nano-indentation according to Oliver and Phar method. This has been mentioned in section 2.3.1.
For reference, please see the image below



Point 4: The indentation creep tests are conducted in the ambient temperature. However, metal creep often take place in high temperature. do them have any similarity and difference? Please explain it.

Response 4: The creep behaviour at different temperatures is discussed in Section 3.5.3.