After the revision my concerns have been cleared. I think the new content added is valuable and has improved the article. Congratulations once again to the authors. I have some minor comments to add:

Regarding my request about Figure 9. What I was asking for was adding some information about the spatial variability in the window you used for comparing the retrieval with the SNOTEL stations. I think that error bars containing the std within the window could add some useful information. After the revision it is clear how you addressed the calculation of the values of DeltaSWE, so I see no need of including this.

Regarding my comment about Line 75, it seems the equation I wrote in the comments disappeared as I copied into the portal… I was asking for an explicit expansion of DeltaDepth to DeltaDepth = DeltaSWE*rho_water/rho_snow, but I see it has been addressed in the revision.

Figure 2. I think figure has improved quite a bit! Another idea that may help improve visualization is assigning different colours to the boxes of Banner Summit and More Creek. Now is not easily identifiable. I see this is explained in line 364 but perhaps it could be clearer.

Figure 6.c: in the text you refer to observations but in this figure, you have dates. Is a bit confusing.

Line 304: I don't completely agree with this claim. An accumulation of 0.5 cm of SWE should induce approximately pi/3 radians of phase. I think this is a sensible amount of accumulation at C-band. Can you specify if the value of the average dSWE is in each interferogram or along all the interferograms?

Figures 10, 11 and 12: Consider adding a point with the location of the SNOTEL stations. Feel free to ignore this idea!

Figure 13 (b): The correlation for observation 1 is quite high although it's at the beginning of the winter. Can you provide an explanation of why this is observed?

Line 420: I don't fully understand this sentence. Do you mean that the retrieval degrades for interferograms with small dSWE?

Section 6: I think you could discuss how the calibration strategy may have help overcome some limitations regarding phase ambiguity. In case you consider this is of relevance.

Technical Comments:

Figure 2. Caption: "The red diamonds show SNOTEL stations with ΔSW E more ~~less~~ than 2cm in at least one observation in the time series."

Line 241: comma? (, using the average…)

Line 251: geometric

Line 252: is negligible.

Line 355: isn't it clearer "two of the stations"?

Line 394: add °C.

Line 399: LIDAR

Line 404: missing blank space?

Line 439: double dataset in the sentence(?)