

Also, the changes in the gamma-nought values of all SAR images seen through the graphs showed the threshold values at a certain stand volume.

That is, in the range of 310-340 m³/ha the gamma-nought showed almost no increase. In addition, it could decide stand volume changes by stand for the change detecting technique that has used log-ratio technique and the technique using gamma-nought disparity.

However, the log-ratio technique could not compute the stand volume amount of the change of each stand and could only check the changeability through pixel distribution error.

Therefore, the stand volume statistic distribution of the SAR image shall be estimated to compute variables suitable for this case and set up the critical value.

In the case of SAR change detection at the forest area, there are errors owing to shadow effects thus, gamma-nought computation is necessary. Furthermore, the critical value for each stand shall be analyzed in the future and additional research is required for the log-ratio analysis.

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