

Sentinel-1 C Model insertion into the current A_B constellation: options

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Abstract

The presentation will address the identified options for placing the Sentinel-1 C model into the current A/B constellation.

Besides the baseline (S1C replaces S1A after the commissioning of S1C), other options either improving the revisit time or improving repeat-pass time interval by a particular phasing of the Sentinel-1 C spacecraft will be presented.

The revisit time for one option could be improved from 5.5 days to 3.5 days, and the repeat-pass time from 6 days to 4 days (for repeat pass interferometry), where another phasing would not improve the revisit but could provide a repeat-pass time down to 1 day or even 5 minutes, and several other options in between.

Keywords - Cross Calibration / Validation