

SSES & L4

Andy Harris

Simon Good

Preliminary conclusions

- The summary is that in the experiments I ran the No SSES case (SSES bias set to 0 for all sensors and SSES set to 0.4) has the worse stats (both for mean and standard deviations of differences to Argo data) followed by the No bias (bias set to 0) and No SD (SSES SD set to 0.4) cases for the mean and standard deviation of differences respectively. Having only VIIRS reference SSES bias available causes a moderate worsening of the stats. Doubling and halving the SSES SD also only has moderate impact with doubling giving an improvement and halving degrading the analyses. So I think we can say for sure that both the SSES bias and SSES SD are useful to OSTIA. **It would be interesting to know if other systems see the same effect from doubling and halving the SSES SD.**