

Correlation coefficient estimated using the below equation and good correlation is observed between the two data sets.

$$r = \frac{\sum_{I=1}^N [(Ai - \bar{A})(Bi - \bar{B})]}{\sqrt{\sum_{I=1}^N [(Ai - \bar{A})^2] \sum_{I=1}^N [(Bi - \bar{B})^2]}}$$

where Ai represents the ERA-interim SWH, Bi represents the SWH obtained from the buoy measurements, N is the number of data points and the over bar represents the mean value.