

Assessment of the Review Event Bulletin Through Comparison with the ISC bulletin for the Month of October 2020

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An attempt is made to assess the quality of the Review Event Bulletin (REB) by comparing it to the Bulletin of the International Seismological Centre (ISC Bulletin). To compare, the ISC Bulletin events as downloaded from the ISC Web page for the month of October 2020 was used. The corresponding IDC REB events as listed in the ISC Bulletin were considered. During this period, a total of 3431 and 2691 events were considered for ISC and IDC, respectively. The comparison was performed using the information given for common events in the header lines of the ISC Bulletin from which matched events could be extracted. The result showed that a total of 2315 events could be matched between the two bulletins. The percentage of matched events with location difference (D) < 10 is about 95.3% while the percentage of events with $D \geq 50$ is about 0.3%. There were two events with magnitude (m_b) ≥ 4.0 and $D \geq 50$. The percentage of matched events with intersecting error ellipses is 57.0%. In general, the results obtained in this study show that there is a slight difference when compared to the results obtained for similar study made earlier.

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Promotional text

The presentation is intended to show the assessment of the current quality of the REB by comparing it to similar results previously obtained.

Oral preference format

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