

## Earthquake Catalogue - Data Consistency Checks

### Attributes (\*Indicates Compulsory)

**eventID\***: Positive Integer

**Agency**: String

**Identifer\***: Positive Integer

**Year\***: Integer – less than or equal to present date

**Month\***: Integer (1 – 12)

**Day\***: Integer (1 – 31) (Subject to calendar constraints, e.g. not 31 April)

**Hour\***: Integer (0 – 23)

**Minute\***: Integer (0 – 60)

**Second**: Float (0 – 60)

**timeError**: Float

**Longitude\***: Float (-180. to 180.)

**Latitude\***: Float (-90. to 90.)

**SemiMajor90**: Positive Float

**SemiMinor90**: Positive Float (must be less than or equal to SemiMajor90)

**ErrorStrike**: Float (0. to 360.)

**Depth\***: Positive Float

**depthError**: Positive Float

**Mw\***: Float

**sigmaMw**: Positive Float

**Ms**: Float

**sigmaMs**: Positive Float

**mb**: Float

**sigmamb**: Positive Float

**ML**: Float

**sigmaML**: Positive Float