SRL data release

NK explosion data was prepared for the time period based on the below table (from SRL manuscript).

Table 1. Origin times for the six DPRK underground nuclear explosions (UNEs) from the United States Geological Survey.

(<https://earthquake.usgs.gov/archive/product/poster/20170903/us/1504650999857/poster.pdf>)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Explosion | Magnitude (Mb) | Date | Time (UTC) | Available waveform time |
| UNE06 | 4.3 | 9 October 2006 | 01:35:28 | 01:00:00-02:30:00 |
| UNE09 | 4.7 | 25 May 2009 | 00:54:43 | 00:20:00-01:50:00 |
| UNE13 | 5.1 | 12 February 2013 | 02:57:51 | 02:20:00-03:50:00 |
| UNEJ16 | 5.1 | 6 January 2016 | 01:30:01 | 01:00:00-02:30:00 |
| UNES16 | 5.3 | 9 September 2016 | 00:30:01 | 00:00:00-01:30:00 |
| UNE17 | 6.3 | 3 September 2017 | 03:30:01 | 03:00:00-04:30:00 |

Missing calibration information:

UNE06 - KMP01

UNE09 – all KMP

UNE13 – KMP, TJI, and YPD

UNEJ16 – KSG01, KSG21(LHZ), KSG30/32

UNES16 – KSG21(LHZ)

UNE17 – BRD21/24, KSG21(LHZ)

Missing calibration information was added in the tar file.

'The calib value is set to 1.0 for channels that have a poorly known calibration.'

Instrument types of arrays for each period and their nominal value should be described.