Signal download tool user guide

Tool for downloading signals connected to events selected from a Catalog , Ground Motion Catalog or GM Parameters Catalog . Signals might be further converted by Seed or miniSEED Converter applications or directly processed by other applications (e.g. Source Parameter Estimation applications). Additionally, the application returns event information (Seismic event) for each selected event.

open in IS-EPOS PLATFORM

CATEGORY Seismogram Analysis Tools, Download Tools

KEYWORDS Data selection, Data export, Waveform viewing

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Step by Step

The application uses catalog file (uploaded from the episode data) as an input and allows the User to extract seed, miniSEED and event files. This is an alternative way of exporting seed files instead of searching into the episode database. F rom the 'Actions' tab within the Catalog file view, the User may select 'Use in Application' option and then choose 'Signal download tool'.

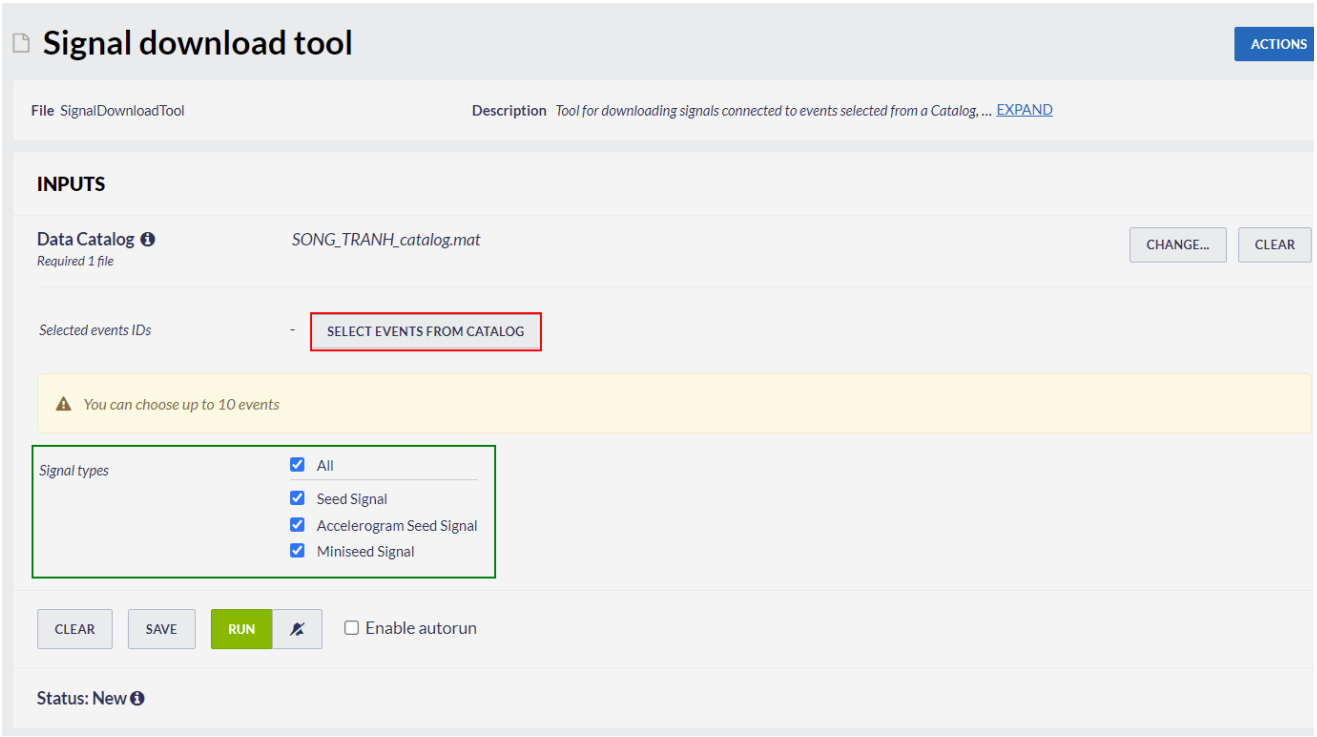
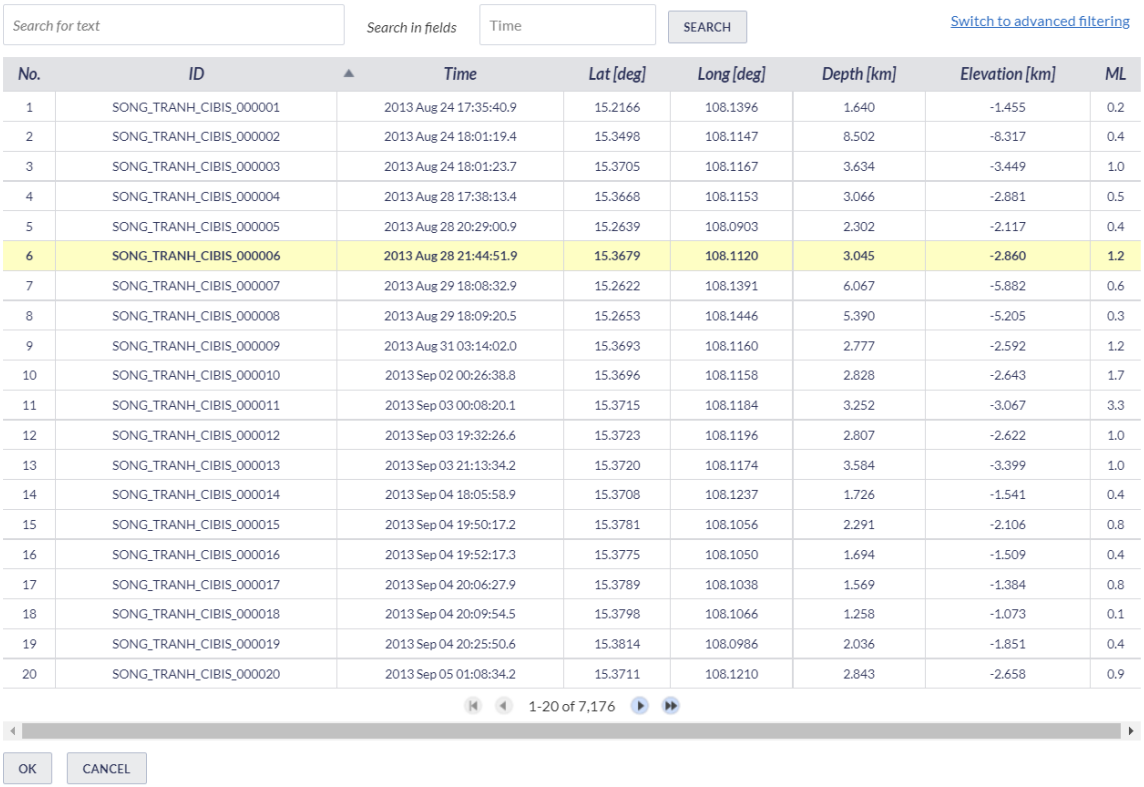


Figure 1. Input of the application "Signal download tool".

After clicking on 'SELECT EVENTS FROM CATALOG' (red field in Figure 1) the following window appears (Figure 2):



No.	ID	Time	Lat [deg]	Long [deg]	Depth [km]	Elevation [km]	ML
1	SONG_TRANH_CIBIS_000001	2013 Aug 24 17:35:40.9	15.2166	108.1396	1.640	-1.455	0.2
2	SONG_TRANH_CIBIS_000002	2013 Aug 24 18:01:19.4	15.3498	108.1147	8.502	-8.317	0.4
3	SONG_TRANH_CIBIS_000003	2013 Aug 24 18:01:23.7	15.3705	108.1167	3.634	-3.449	1.0
4	SONG_TRANH_CIBIS_000004	2013 Aug 28 17:38:13.4	15.3668	108.1153	3.066	-2.881	0.5
5	SONG_TRANH_CIBIS_000005	2013 Aug 28 20:29:00.9	15.2639	108.0903	2.302	-2.117	0.4
6	SONG_TRANH_CIBIS_000006	2013 Aug 28 21:44:51.9	15.3679	108.1120	3.045	-2.860	1.2
7	SONG_TRANH_CIBIS_000007	2013 Aug 29 18:08:32.9	15.2622	108.1391	6.067	-5.882	0.6
8	SONG_TRANH_CIBIS_000008	2013 Aug 29 18:09:20.5	15.2653	108.1446	5.390	-5.205	0.3
9	SONG_TRANH_CIBIS_000009	2013 Aug 31 03:14:02.0	15.3693	108.1160	2.777	-2.592	1.2
10	SONG_TRANH_CIBIS_000010	2013 Sep 02 00:26:38.8	15.3696	108.1158	2.828	-2.643	1.7
11	SONG_TRANH_CIBIS_000011	2013 Sep 03 00:08:20.1	15.3715	108.1184	3.252	-3.067	3.3
12	SONG_TRANH_CIBIS_000012	2013 Sep 03 19:32:26.6	15.3723	108.1196	2.807	-2.622	1.0
13	SONG_TRANH_CIBIS_000013	2013 Sep 03 21:13:34.2	15.3720	108.1174	3.584	-3.399	1.0
14	SONG_TRANH_CIBIS_000014	2013 Sep 04 18:05:58.9	15.3708	108.1237	1.726	-1.541	0.4
15	SONG_TRANH_CIBIS_000015	2013 Sep 04 19:50:17.2	15.3781	108.1056	2.291	-2.106	0.8
16	SONG_TRANH_CIBIS_000016	2013 Sep 04 19:52:17.3	15.3775	108.1050	1.694	-1.509	0.4
17	SONG_TRANH_CIBIS_000017	2013 Sep 04 20:06:27.9	15.3789	108.1038	1.569	-1.384	0.8
18	SONG_TRANH_CIBIS_000018	2013 Sep 04 20:09:54.5	15.3798	108.1066	1.258	-1.073	0.1
19	SONG_TRANH_CIBIS_000019	2013 Sep 04 20:25:50.6	15.3814	108.0986	2.036	-1.851	0.4
20	SONG_TRANH_CIBIS_000020	2013 Sep 05 01:08:34.2	15.3711	108.1210	2.843	-2.658	0.9

Figure 2. Selection of the events from catalog.

Then, the User may chose which signal types to download between 'Seed Signal', 'Accelerogram Seed Signal', Miniseed Signal' or 'All', by ticking on the respective box shown in the green field in Figure 1.

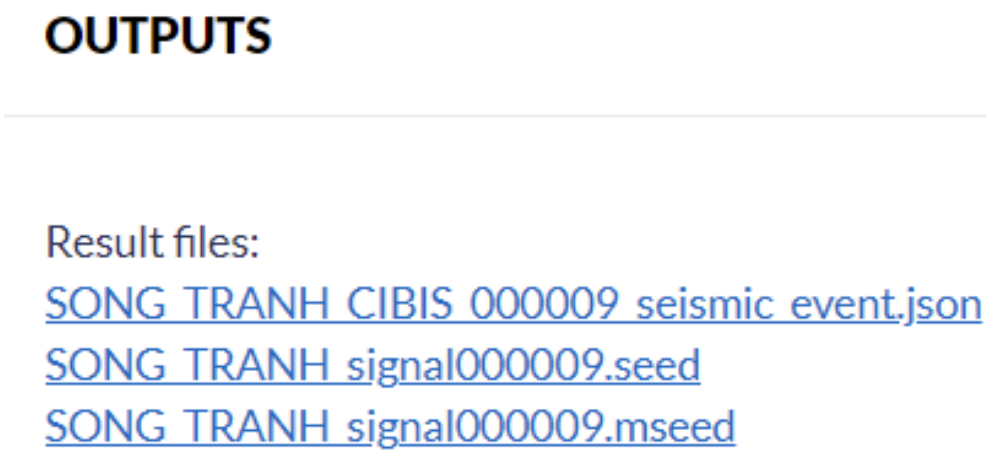


Figure 3. Outputs of the application.

Output files can be further used as input in several applications, including ' Spectral Analysis ', ' Localization ', ' Moment Tensor Inversion ' and in all seed or miniSEED converter applications.

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