

# mseed3(1)

## Name

mseed3 - list miniseed3 records, or convert from ver 2 records, or set extra headers from StationXML, QuakeML

## Synopsis

```
mseed3 [-vV] [--2to3] [--data] [--help] [--max=<maxRecords>] [-o=<outputFile>] [--quakeml=<quakemlFile>] [-r=<sourceIdPattern>] [--staxml=<staxmlFile>] [<inputFileList>...]
```

## Description

list miniseed3 records, or convert from ver 2 records, or set extra headers from StationXML, QuakeML

[View source code here.](#)

[miniseed3 specification](#)

## Options

### **--2to3**

convert miniseed2 to miniseed3

### **--data**

dump timeseries samples, default is to just print headers

### **--help**

display a help message

### **--max=<maxRecords>**

number of data records to process before ending

### **-o, --out=<outputFile>**

Output file (default: print to console)

### **--quakeml=<quakemlFile>**

Set standard extra headers for event from quakeml file

### **-r, --regex=<sourceIdPattern>**

regular expression of sourceids to search

**--staxml=<staxmlFile>**

Set standard extra headers for station from stationxml file

**-v, --verbose**

Verbose

**-V, --version**

Print version and exit

## Arguments

**[<inputFileList>...]**

== Examples

Print headers and dump the timeseries data for a miniseed3 file.

```
> mseed3 --data reference-sinusoid-int32.mseed3
----- read record 0
  FDSN:XX_TEST__V_H_Z, version 1, 2059 bytes (format: 3)
    start time: 2022-156T20:32:38Z
    number of samples: 500
    sample rate (Hz): 0.10
      flags: [00000100] 8 bits
            [Bit 2] Clock locked
      CRC: 0x37223EA2
    extra header length: 0 bytes
    data payload length: 2000 bytes
    payload encoding: 32-bit integer (val: 3)
Data:
      0      6      10      10      6      0
     -7     -12     -12     -8      0      8
     14     15      9      0     -10     -17
    -18     -11      0     13     21     21
     13      0     -16     -26     -26     -16
      1     19     31     31     19      -1
    -23     -37     -37     -23      2     28
     45     45     27     -2     -34     -54
    -54     -32      3     41     65     65
     38      -5     -50     -79     -78     -46
      6     61     95     94     55      -8
    -74    -115    -113     -65     11     90
    138    135     78     -14    -109    -167
   -162    -92     19     132     201     194
    110    -24    -160    -242    -233    -131
     31    193     291     280     156     -39
   -234   -351   -336   -185      50     284
     422     402     220     -63    -343    -508
   -483   -262      79     416     612     579
     311   -100    -503   -737    -694    -370
```

125	609	887	832	440	-157
-737	-1068	-997	-522	196	892
1285	1195	620	-245	-1080	-1547
-1432	-736	306	1306	1862	1716
874	-381	-1580	-2241	-2057	-1037
473	1912	2697	2465	1231	-588
-2313	-3245	-2954	-1460	730	2797
3905	3539	1732	-905	-3383	-4699
-4240	-2053	1121	4091	5655	5080
2433	-1387	-4947	-6804	-6086	-2884
1714	5981	8186	7291	3416	-2118
-7231	-9848	-8734	-4046	2614	8742
11848	10461	4791	-3225	-10568	-14253
-12530	-5671	3975	12774	17146	15006
6711	-4897	-15440	-20625	-17972	-7940
6029	18661	24808	21521	9390	-7418
-22552	-29840	-25771	-11101	9123	27253
35890	30858	13120	-11212	-32932	-43165
-36947	-15501	13774	39791	51913	44235
18308	-16912	-48077	-62431	-52957	-21614
20756	58084	75077	63396	25508	-25462
-70169	-90282	-75887	-30092	31222	84764
108561	90834	35484	-38269	-102388	-130535
-108719	-41825	46887	123670	156952	130117
49276	-57425	-149366	-188707	-155716	-58028
70304	180390	226878	186341	68302	-86041
-217845	-272760	-222974	-80353	105265	263063
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-319201	-111030	157403	383537	473846	381879
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