

# fdsndataselect(1)

## Name

fdsndataselect - Example client to query a remote FDSN DataSelect web service via GET or POST

## Synopsis

```
fdsndataselect [-vV] [--help] [--longestonly] [--post] [--printurl] [--raw] [--validate] [-b  
=<startTime>] [--baseurl=<baseURL>] [-e=<endTime>] [--host=<host>] [--minimumlength  
=<minimumLength>] [--nodata=<nodata>] [-o=<outputFile>] [--port=<port>] [--quality=<quality>] [-  
c=<channel>[,<channel>...]]... [-l=<location>[,<location>...]]... [-n=<network>[, <network>...]]... [-s  
=<station>[,<station>...]]... [--user=<user> --password=<password>]
```

## Description

Example client to query a remote FDSN DataSelect web service via GET or POST

Times are ISO8601 formatted strings, like yyyy-MM-ddTHH:mm:ss, and may be shortened to include only the significant fields. The remaining fields will be filled in as either zero or max value depending on the use. For example 2006-11-19 or 2006-11-19T06:34:21. The special strings now and yesterday may also be used.

[View source code here.](#)

## Options

**-b, --start, --starttime=<startTime>**

Limit results to time series samples on or after the specified start time

**--baseurl=<baseURL>**

Base URL for queries, ie everything before the '/<service>/<version>/<query>?'

**-c, --cha, --channel=<channel>[,<channel>...]**

Select one or more SEED channel codes. Multiple codes are comma-separated.

**-e, --end, --endtime=<endTime>**

Limit results to time series samples on or before the specified end time

**--help**

display a help message

**--host=<host>**

host to connect to, defaults to service.iris.edu

**-l, --loc, --location=<location>[,<location>...]**

Select one or more SEED location identifiers. Multiple identifiers are comma-separated. As a special case — (two dashes) will be translated to a string of two space characters to match blank location IDs.

**--longestonly**

Limit results to the longest continuous segment per channel.

**--minimumlength=<minimumLength>**

Limit results to continuous data segments of a minimum length specified in seconds.

**-n, --net, --network=<network>[,<network>...]**

Select one or more network codes. Can be SEED network codes or data center defined codes. Multiple codes are comma-separated.

**--nodata=<nodata>**

nodata http return code

**-o, --output=<outputFile>**

File for outputting result

**--password=<password>**

password for restricted data access

**--port=<port>**

port to connect to, defaults to 80

**--post**

use http POST instead of GET

**--printurl**

Construct and print URL and exit

**--quality=<quality>**

Select a specific SEED quality indicator, handling is data center dependent.

**--raw**

Output the raw data to stdout

**-s, --sta, --station=<station>[,<station>...]**

Select one or more SEED station codes. Multiple codes are comma-separated.

**--user=<user>**

username for restricted data access

**-v, --verbose**

Verbose

**-V, --version**

Print version and exit

**--validate**

Validate XML against schema

## Examples

Ask for 2 minutes of HHZ data from station CO.JSC, and output to a file.

```
> fdsndataselect -n CO -s JSC -c LHZ -o jsc_1.mseed -b 2021-02-28T12:45:00 -e 2021-02-28T12:46:00 -v
M CO.JSC.00.LHZ 2021,059,12:45:00.0695 57 57
M CO.JSC.00.LHZ 2021,059,12:45:57.0695 4 4
```

Multiple channels, either comma separated or using multiple flags.

```
> fdsndataselect -n CO -s JSC -c LHZ -c LHN,LHE -o jsc_2.mseed -b 2021-02-28T12:45:00 -e 2021-02-28T12:46:00 -v
M CO.JSC.00.LHE 2021,059,12:45:00.0695 1 1
M CO.JSC.00.LHE 2021,059,12:45:01.0695 60 60
M CO.JSC.00.LHN 2021,059,12:45:00.0695 61 61
M CO.JSC.00.LHZ 2021,059,12:45:00.0695 57 57
M CO.JSC.00.LHZ 2021,059,12:45:57.0695 4 4
```

Only print the URL that would be accessed without connecting to the remote server.

```
> fdsndataselect -n CO -s JSC -c LHZ -c LHN,LHE -b 2021-02-28T12:45:00 -e 2021-02-28T12:46:00 --printurl
http://service.iris.edu:80/fdsnws/dataselect/1/query?channel=LHZ,LHN,LHE&endtime=2021-02-28T12:46:00.999Z&network=CO&starttime=2021-02-28T12:45:00.000Z&station=JSC
```