
bomshell

Release 1.0.2

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bomshell is used to retrieve weather data from the [Australian Bureau of Meteorology's \(BOM\)](#) public ftpsite, and display the result in the shell, where it belongs, as God intended it. Not this silly web clownsuit bullshit the kids are all agog about.

bomshell retrieves the spatial data from the public ftp site and packs it into a local database. Tools are provided to build and maintain the local database. Queries can be made of the database and the spatial database files. As the tool matures the spatial database will be used to determine the product ID's of reports the user is interested in and those specific products downloaded from the BOM's public ftp site.

CHAPTER 1

Installation

```
pip install bomshell
```


CHAPTER 2

Sample Usage

bomshell command line options

```
$ bomshell
Usage: bomshell [OPTIONS] COMMAND [ARGS]...

    Retrieve weather data from the Australian Bureau of Meteorology

Options:
  --version            Show the version and exit.
  -v, --verbose        Level of verbosity of logs
  -c, --cache-path PATH BOM data cache path, Default:
                        /home/thys/.cache/bomshell
  --help              Show this message and exit.

Commands:
  spatial  Spatial database management
```

```
$ bomshell spatial
Usage: bomshell spatial [OPTIONS] COMMAND [ARGS]...

    Spatial database management

Options:
  -o, --overwrite / --no-overwrite
                                Overwrite existing spatial data, default is:
                                False
  --help                        Show this message and exit.

Commands:
  build      Build the local spatial database
  csvdump    Dump spatial data to csv
  fetch      Fetch spatial data
  sync       Sync the local spatial data, overwriting...
  tabledump  Dump spatial data to table
```

```
bomshell spatial tabledump --help
Usage: bomshell spatial tabledump [OPTIONS]

    Dump spatial data to table

Options:
    -s, --spatial-type [cyclone_areas|fire_districts|forecast_districts|high_sea_
↵areas|marine_zones|metros|ocean_wind_warning|point_places|radar_coverage|radar_
↵location|rainfall_districts]          choose a spatial type
    -f, --table-format [fancy_grid|grid|html|jira|latex|latex_
↵booktabs|mediawiki|moinmoin|orgtbl|pipe|plain|psql|rst|simple|textile|tsv]  choose a table type
    --help                               Show this message and exit.
```

CHAPTER 3

Examples

```
$ bomshell spatial tabledump --spatial-type forecast_districts --table-format fancy_
↪grid
```

↪	NSW_PW001	1	Northern Rivers		NSW	↪

↪	NSW_PW002	2	Mid North Coast		NSW	↪

↪	NSW_PW003	3	Hunter		NSW	↪

↪	NSW_PW004	4	Northern Tablelands		NSW	↪

↪	NSW_PW005	5	Metropolitan		NSW	↪

↪	NSW_PW006	6	Illawarra		NSW	↪

↪	NSW_PW007	7	South Coast		NSW	↪

↪	NSW_PW008	8	Central Tablelands		NSW	↪

Current version is 1.0.2