

VATT Logging

Important engineering data is now logged at VATT into a sqlite database. This is done using sqlalchemy and several python modules to retrieve data from the relevant systems. That [source code](#) can be found on gitlab. There is also a [web page](#) that will display simple plots or tables of logged data.

Web API for advanced plotting

Through the previously mentioned web app there is a url API of sorts that can be used to access data programmatically.

```
<code python> #!/usr/bin/python
```

```
import pandas as pd
```

```
minsago = 1200
```

```
dataframes = dict()
```

```
for table in ['temps', 'telem', 'ngtelem', 'ivps']:
```

```
    url =  
    "http://vatt.as.arizona.edu:42180/recent/data/{}.csv?minsago={}".format(  
    table, minsago )  
    print("retrieving data from: \n\t\t{}".format(url))
```

```
    try:  
        dataframe[table]=pd.read_csv(url)
```

```
    except Exception as err:  
        print err
```

```
print()  
print()
```

```
</code>
```

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