

## How can pvlib-python retrieve a year-long archived weather forecasts from the gl

Notebook: Var Notes

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## How can pvlib-python retrieve a year-long archived weather forecasts from the global model (GFS)?

I have seen how easy pvlib-python can obtain weather forecasts, as it is presented in this link: <https://pvlib-python.readthedocs.io/en/latest/forecasts.html>. In this link, the example is just for illustration, the retrieved weather data seem to be limited in length (not more than a month from the past). So, I wonder whether the archived weather forecasts retrieved by pvlib for a practical implementation can be longer.

Can pvlib-python retrieve archived GFS weather forecasts for a year? For example, I am looking for the temperature and solar irradiance (GHI) for the entire 2018. Can pvlib-python do that, and if so how?

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This is not possible with pvlib-python. I think it's out-of-scope and I don't anticipate adding this feature in the future.

However, I wrote a python script to download some archived point forecast data from the NOAA NOMADS server: [https://github.com/wholmgren/get\\_nomads/](https://github.com/wholmgren/get_nomads/). It's efficient in that it only downloads the data that you need, but it's still fairly slow and error prone.