Dealing with the outputs.

Troubleshooting

If the name of the experiment was not changed in the input file, the atmosphere outputs will have a different experiment name than the ocean output. It might cause issues if using ferret with files names the same. To automatically rename all the atmosphere output, you can use the tcsh script I wrote:
```
/g/data/hh5/WS2019/vxl581/changeNames.csh
```
Place this script within the folder of the outputs and change the name of the experiment you want to be in the file name (expName) and the original experiment name that you want to change (orName). Then run by typing:
./changeNames.csh

Combining the atmosphere pressure levels

Some of the Mk3L atmospheric outputs are separated in individual files by pressure levels. To help produce zonal averages (for example), a script was written to combine the outputs in a single file.
```
concat_atm_output.py
```
To run this script, you have to load the correct module first:
```
module use /g/data/hh5/public/modules
module load conda
module load mk3l
```

type (on one line):
```
concat_atm_output.py -r expName -p
/g/data/hh5/WS2019/UserFolder -v t -l pressure
```

`t` here stands for temperature (st01_expName.nc, st02_expName.nc, etc). To combine the sv##_expName files, change t for v, for the sq##_expName.nc files, for q, etc.

Combining the ocean years

The Mk3L ocean outputs are separated in individual files by year. To help produce timeseries, a script was written to combine the outputs in a single file.
```
concat_oce_output.py
```
To run this script, you have to load the correct module first:
```
module use /g/data/hh5/public/modules
module load conda
module load mk3l
```

type (on one line):
```
concat_oce_output.py -r 'expName' -p
'/g/data/hh5/WS2019/userFolder'
```