

Untitled

April 21, 2022

```
[1]: import xarray as xr
```

```
[2]: ldasout = xr.open_dataset("/glade/scratch/mazrooei/jedi/run_NWM_CO_test/lr/  
↳202103040000.LDASOUT_DOMAIN1")  
rst = xr.open_dataset("/glade/scratch/mazrooei/jedi/run_NWM_CO_test/lr/RESTART.  
↳2021030400_DOMAIN1")
```

```
[5]: zsnso_rst = rst.ZSNSO.where( rst.ZSNSO > -999, drop=True).where( rst.ZSNSO != 0,  
↳, drop=True ) #drop NaN and Zero values for better visualization  
zsnso_ldasout = ldasout.ZSNSO_SN
```

Plot ZSNSO from the LDASOUT file

```
[6]: zsnso_ldasout.plot(col='snow_layers', col_wrap=7)
```

```
[6]: <xarray.plot.facetgrid.FacetGrid at 0x2b5091babaf0>
```



Plot ZSNSO from the RESTART file

```
[7]: zsnso_rst.plot(col="sosn_layers", col_wrap=7)
```

```
[7]: <xarray.plot.facetgrid.FacetGrid at 0x2b50923b3bb0>
```

