Flow Chart of Analysis

```
WIND_DL_DATA
    │
    ▼
WIND_TimeResCorrection_and_SaveAsNetCDF
```

```
WIND_BowShock
CrossingDates
```

```
Download
ACE level 3
SWEPAM
```

```
Download
ACE level 2
MAGSWE
```

```
ACE_TimeRes
Correction_and_
SaveAsNetCDF
```

```
WIND_BowShock
Correcting
```

```
Reindex files to the
same length, filling
gaps with NaNs
```

```
ACE and Wind
Split Year at Min
and Max
```

These can be run in parallel
OSF_Best_Estimate_ChangingPABandPAO
OSF_Best_Estimate_ChangingPABandPAO_WINDPagel
OSF_Best_Estimate_ChangingPABandPAO_ACEAnderson
OSF_Best_Estimate_ChangingPABandPAO_ACESkoug

These can be run in parallel
OSF_Best_Estimate_ChangingPABandPAO_ACEGosling
OSF_Best_Estimate_ChangingPABandPAO_WINDGosling

```
Combined CS
Strahl Conditions
```

```
PAO and PAB
identified from
centre of
"acceptable"
values
```

```
WIND_OSFcalc_
27days
WIND_OSFcalc_
yearly
```

```
ACE_OSFCalc_
27days
ACE_OSFCalc_
yearly
```

```
OSF Datagaps True
Uncertainty
```

```
OSF Comparisons
Uncertainty Analysis
Applying Datagaps
```

```
OSF_Best_Br
```

```
OSF_Best_Estimate_with_Error_B
ars_and_Error_Calc_27days
OSF_Best_Estimate_with_Error_B
ars_and_Error_Calc_yearly
```

```
OSF Datagaps
Plotting
```

```
OSF Datagaps
Plotting All
```

```
OSF Time Averaging
27 days
OSF Time Averaging
yearly
```

```
OSF Comparisons
MultiSpacecraft
```

miro