an_yang_filter.exe

Parameters:

```
 (string)   -id   input directory
 (string)   -od   output directory
 (string)   -iodf input-output data format
 (int)      -nwr  Nwin Row
 (int)      -nwc  Nwin Col
 (int)      -swr  Swin Row
 (int)      -swc  Swin Col
 (int)      -nlk  Nlook
 (float)    -k    K parameter
 (int)      -ofr  Offset Row
 (int)      -ofc  Offset Col
 (int)      -fnr  Final Number of Row
 (int)      -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)   -mask mask file (valid pixels)
 (int)      -mem  Allocated memory for blocksize determination (in Mb)
 (string)   -errf memory error file
 (noarg)    -help displays this message
 (noarg)    -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2C3        input : quad-pol S2     output : covariance C3
 S2C4        input : quad-pol S2     output : covariance C4
 S2T3        input : quad-pol S2     output : coherency T3
 S2T4        input : quad-pol S2     output : coherency T4
 C2          input : covariance C2   output : covariance C2
 C3          input : covariance C3   output : covariance C3
 C4          input : covariance C4   output : covariance C4
 T2          input : coherency T2    output : coherency T2
 T3          input : coherency T3    output : coherency T3
 T4          input : coherency T4    output : coherency T4
 SPP         input : dual-pol SPP    output : dual-pol SPP
 IPP         input : intensities IPP output : intensities IPP
```

boxcar_filter.exe

Parameters:

```
 (string)   -id   input directory
 (string)   -od   output directory
 (string)   -iodf input-output data format
 (int)      -nwr  Nwin Row
 (int)      -nwc  Nwin Col
```

```
 (int)     -ofr  Offset Row
 (int)     -ofc  Offset Col
 (int)     -fnr  Final Number of Row
 (int)     -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)  -mask mask file (valid pixels)
 (int)     -mem  Allocated memory for blocksize determination (in Mb)
 (string)  -errf memory error file
 (noarg)   -help displays this message
 (noarg)   -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2C3       input : quad-pol S2     output : covariance C3
 S2C4       input : quad-pol S2     output : covariance C4
 S2T3       input : quad-pol S2     output : coherency T3
 S2T4       input : quad-pol S2     output : coherency T4
 C2         input : covariance C2   output : covariance C2
 C3         input : covariance C3   output : covariance C3
 C4         input : covariance C4   output : covariance C4
 T2         input : coherency T2    output : coherency T2
 T3         input : coherency T3    output : coherency T3
 T4         input : coherency T4    output : coherency T4
 SPP        input : dual-pol SPP    output : dual-pol SPP
 IPP        input : intensities IPP output : intensities IPP
```

---

boxcar_filter_dual.exe

Parameters:

```
 if iodf = S2T6
 (string)  -idm  input master directory
 (string)  -ids  input slave directory
 if iodf = T6
 (string)  -id   input master-slave directory
 (string)  -od   output directory
 (string)  -iodf input-output data format
 (int)     -nwr  Nwin Row
 (int)     -nwc  Nwin Col
 (int)     -ofr  Offset Row
 (int)     -ofc  Offset Col
 (int)     -fnr  Final Number of Row
 (int)     -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)  -mask mask file (valid pixels)
 (int)     -mem  Allocated memory for blocksize determination (in Mb)
 (string)  -errf memory error file
 (noarg)   -help displays this message
 (noarg)   -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2T6       input : 2*quad-pol S2   output : coherency T6
 T6         input : coherency T6    output : coherency T6
```

---

boxcar_filter_dual_PP.exe

Parameters:

```
 if iodf = SPPT4
 (string)  -idm  input master directory
 (string)  -ids  input slave directory
 if iodf = T4
 (string)  -id   input master-slave directory
 (string)  -od   output directory
 (string)  -iodf input-output data format
 (int)     -nwr  Nwin Row
 (int)     -nwc  Nwin Col
 (int)     -ofr  Offset Row
 (int)     -ofc  Offset Col
 (int)     -fnr  Final Number of Row
 (int)     -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)  -mask mask file (valid pixels)
 (int)     -mem  Allocated memory for blocksize determination (in Mb)
 (string)  -errf memory error file
 (noarg)   -help displays this message
 (noarg)   -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 SPPT4      input : 2*dual-pol SPP  output : coherency T4
 T4         input : coherency T4    output : coherency T4
```

---

boxcar_filter_edge.exe

Parameters:

```
 (string)  -id   input directory
 (string)  -od   output directory
 (string)  -mf   mask file
 (string)  -iodf input-output data format
 (int)     -nwr  Nwin Row
 (int)     -nwc  Nwin Col
 (int)     -ofr  Offset Row
 (int)     -ofc  Offset Col
 (int)     -fnr  Final Number of Row
 (int)     -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)  -mask mask file (valid pixels)
```

```
 (int)     -mem  Allocated memory for blocksize determination (in Mb)
 (string)  -errf memory error file
 (noarg)   -help displays this message
 (noarg)   -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2C3       input : quad-pol S2     output : covariance C3
 S2C4       input : quad-pol S2     output : covariance C4
 S2T3       input : quad-pol S2     output : coherency T3
 S2T4       input : quad-pol S2     output : coherency T4
 C2         input : covariance C2   output : covariance C2
 C3         input : covariance C3   output : covariance C3
 C4         input : covariance C4   output : covariance C4
 T2         input : coherency T2    output : coherency T2
 T3         input : coherency T3    output : coherency T3
 T4         input : coherency T4    output : coherency T4
 SPP        input : dual-pol SPP    output : dual-pol SPP
 IPP        input : intensities IPP output : intensities IPP
```

---

gaussian_filter.exe

Parameters:

```
 (string)  -id   input directory
 (string)  -od   output directory
 (string)  -iodf input-output data format
 (int)     -nwr  Nwin Row
 (int)     -nwc  Nwin Col
 (int)     -ofr  Offset Row
 (int)     -ofc  Offset Col
 (int)     -fnr  Final Number of Row
 (int)     -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)  -mask mask file (valid pixels)
 (int)     -mem  Allocated memory for blocksize determination (in Mb)
 (string)  -errf memory error file
 (noarg)   -help displays this message
 (noarg)   -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2C3       input : quad-pol S2     output : covariance C3
 S2C4       input : quad-pol S2     output : covariance C4
 S2T3       input : quad-pol S2     output : coherency T3
 S2T4       input : quad-pol S2     output : coherency T4
 C2         input : covariance C2   output : covariance C2
 C3         input : covariance C3   output : covariance C3
 C4         input : covariance C4   output : covariance C4
 T2         input : coherency T2    output : coherency T2
```

```
 T3          input : coherency T3    output : coherency T3
 T4          input : coherency T4    output : coherency T4
 SPP         input : dual-pol SPP    output : dual-pol SPP
 IPP         input : intensities IPP output : intensities IPP
```

---

gaussian_filter_dual.exe

Parameters:

```
 if iodf = S2T6
 (string)  -idm  input master directory
 (string)  -ids  input slave directory
 if iodf = T6
 (string)  -id   input master-slave directory
 (string)  -od   output directory
 (string)  -iodf input-output data format
 (int)     -nwr  Nwin Row
 (int)     -nwc  Nwin Col
 (int)     -ofr  Offset Row
 (int)     -ofc  Offset Col
 (int)     -fnr  Final Number of Row
 (int)     -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)  -mask mask file (valid pixels)
 (int)     -mem  Allocated memory for blocksize determination (in Mb)
 (string)  -errf memory error file
 (noarg)   -help displays this message
 (noarg)   -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2T6        input : 2*quad-pol S2   output : coherency T6
 T6          input : coherency T6    output : coherency T6
```

---

gaussian_filter_dual_PP.exe

Parameters:

```
 if iodf = SPPT4
 (string)  -idm  input master directory
 (string)  -ids  input slave directory
 if iodf = T4
 (string)  -id   input master-slave directory
 (string)  -od   output directory
 (string)  -iodf input-output data format
 (int)     -nwr  Nwin Row
 (int)     -nwc  Nwin Col
 (int)     -ofr  Offset Row
 (int)     -ofc  Offset Col
 (int)     -fnr  Final Number of Row
 (int)     -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)   -mask mask file (valid pixels)
 (int)      -mem  Allocated memory for blocksize determination (in Mb)
 (string)   -errf memory error file
 (noarg)    -help displays this message
 (noarg)    -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 SPPT4       input : 2*dual-pol SPP  output : coherency T4
 T4          input : coherency T4    output : coherency T4
```

---

generalized_mean_shift_filter.exe

Parameters:

```
 (string)  -id    input directory
 (string)  -od    output directory
 (string)  -iodf  input-output data format
 (int)     -nlk   Nlook
 (int)     -nw    Nwin
 (int)     -ncw   Center pixel estimating window
 (float)   -ct    Convergence Threshold, usually set 0.001-0.1
 (float)   -sig   sigma: 5/6/7/8/9
 (int)     -sk    space kernel flag
 (int)     -rk    range kernel flag
 (int)     -ce    Center pixel estimation method
 (float)   -gam   gamma in gauss kernel
 (float)   -ls    space limit
 (float)   -lr    range limit
 (int)     -ofr   Offset Row
 (int)     -ofc   Offset Col
 (int)     -fnr   Final Number of Row
 (int)     -fnc   Final Number of Col
```

Optional Parameters:

```
 (string)  -mask  mask file (valid pixels)
 (noarg)   -help  displays this message
 (noarg)   -data  displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2C3        input : quad-pol S2     output : covariance C3
 S2C4        input : quad-pol S2     output : covariance C4
 S2T3        input : quad-pol S2     output : coherency T3
 S2T4        input : quad-pol S2     output : coherency T4
 C2          input : covariance C2   output : covariance C2
 C3          input : covariance C3   output : covariance C3
 C4          input : covariance C4   output : covariance C4
 T2          input : coherency T2    output : coherency T2
 T3          input : coherency T3    output : coherency T3
```

```
 T4          input : coherency T4    output : coherency T4
 SPP         input : dual-pol SPP    output : dual-pol SPP
```

---

geometrical_perturbation_filter.exe

Parameters:

```
 (string)   -id   input directory
 (string)   -od   output directory
 (string)   -iodf input-output data format
 (float)    -thr  Detection threshold
 (int)      -nwrt Nwin Target Row
 (int)      -nwct Nwin Target Col
 (int)      -nwrc Nwin Clutter Row
 (int)      -nwcc Nwin Clutter Col
 (int)      -ofr  Offset Row
 (int)      -ofc  Offset Col
 (int)      -fnr  Final Number of Row
 (int)      -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)   -mask mask file (valid pixels)
 (int)      -mem  Allocated memory for blocksize determination (in Mb)
 (string)   -errf memory error file
 (noarg)    -help displays this message
 (noarg)    -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2          input : quad-pol S2     output : quad-pol S2
 C2          input : covariance C2   output : covariance C2
 C3          input : covariance C3   output : covariance C3
 C4          input : covariance C4   output : covariance C4
 T2          input : coherency T2    output : coherency T2
 T3          input : coherency T3    output : coherency T3
 T4          input : coherency T4    output : coherency T4
 SPP         input : dual-pol SPP    output : dual-pol SPP
```

---

lee_refined_filter.exe

Parameters:

```
 (string)   -id   input directory
 (string)   -od   output directory
 (string)   -iodf input-output data format
 (int)      -nw   Nwin Row and Col
 (int)      -nlk  Nlook
 (int)      -ofr  Offset Row
 (int)      -ofc  Offset Col
 (int)      -fnr  Final Number of Row
 (int)      -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)   -mask mask file (valid pixels)
 (int)      -mem  Allocated memory for blocksize determination (in Mb)
 (string)   -errf memory error file
 (noarg)    -help displays this message
 (noarg)    -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2C3       input : quad-pol S2     output : covariance C3
 S2C4       input : quad-pol S2     output : covariance C4
 S2T3       input : quad-pol S2     output : coherency T3
 S2T4       input : quad-pol S2     output : coherency T4
 C2         input : covariance C2   output : covariance C2
 C3         input : covariance C3   output : covariance C3
 C4         input : covariance C4   output : covariance C4
 T2         input : coherency T2    output : coherency T2
 T3         input : coherency T3    output : coherency T3
 T4         input : coherency T4    output : coherency T4
 SPP        input : dual-pol SPP    output : dual-pol SPP
 IPP        input : intensities IPP output : intensities IPP
```

---

lee_refined_filter_dual.exe

Parameters:

```
 if iodf = S2T6
 (string)   -idm  input master directory
 (string)   -ids  input slave directory
 if iodf = T6
 (string)   -id   input master-slave directory
 (string)   -od   output directory
 (string)   -iodf input-output data format
 (int)      -nw   Nwin Row and Col
 (int)      -nlk  Nlook
 (int)      -ofr  Offset Row
 (int)      -ofc  Offset Col
 (int)      -fnr  Final Number of Row
 (int)      -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)   -mask mask file (valid pixels)
 (int)      -mem  Allocated memory for blocksize determination (in Mb)
 (string)   -errf memory error file
 (noarg)    -help displays this message
 (noarg)    -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2T6       input : 2*quad-pol S2   output : coherency T6
 T6         input : coherency T6    output : coherency T6
```

lee_refined_filter_dual_PP.exe

Parameters:

```
 if iodf = SPPT4
 (string)  -idm  input master directory
 (string)  -ids  input slave directory
 if iodf = T4
 (string)  -id   input master-slave directory
 (string)  -od   output directory
 (string)  -iodf input-output data format
 (int)     -nw   Nwin Row and Col
 (int)     -nlk  Nlook
 (int)     -ofr  Offset Row
 (int)     -ofc  Offset Col
 (int)     -fnr  Final Number of Row
 (int)     -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)  -mask mask file (valid pixels)
 (int)     -mem  Allocated memory for blocksize determination (in Mb)
 (string)  -errf memory error file
 (noarg)   -help displays this message
 (noarg)   -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 SPPT4      input : 2*dual-pol SPP  output : coherency T4
 T4         input : coherency T4    output : coherency T4
```

---

lee_scattering_model_based_filter.exe

Parameters:

```
 (string)  -id   input directory
 (string)  -od   output directory
 (string)  -icf  input classification file
 (string)  -iodf input-output data format
 (string)  -typ  speckle filter type : box / mmse
 (int)     -nc   Nunmber of final cluster per scattering type
 (int)     -nw   Nwin Row and Col
 (int)     -nlk  Nlook
 (int)     -ofr  Offset Row
 (int)     -ofc  Offset Col
 (int)     -fnr  Final Number of Row
 (int)     -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)  -mask mask file (valid pixels)
 (int)     -mem  Allocated memory for blocksize determination (in Mb)
 (string)  -errf memory error file
 (noarg)   -help displays this message
 (noarg)   -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2C3       input : quad-pol S2     output : covariance C3
 S2T3       input : quad-pol S2     output : coherency T3
 C3         input : covariance C3   output : covariance C3
 T3         input : coherency T3    output : coherency T3
```

---

lee_sigma_filter.exe

Parameters:

```
 (string)  -id   input directory
 (string)  -od   output directory
 (string)  -iodf input-output data format
 (int)     -nlk  Nlook
 (int)     -sig  Sigma
 (int)     -nwe  Nwin Row and Col - Environnement
 (int)     -nwt  Nwin Row and Col - Target
 (int)     -ofr  Offset Row
 (int)     -ofc  Offset Col
 (int)     -fnr  Final Number of Row
 (int)     -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)  -mask mask file (valid pixels)
 (int)     -mem  Allocated memory for blocksize determination (in Mb)
 (string)  -errf memory error file
 (noarg)   -help displays this message
 (noarg)   -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2C3       input : quad-pol S2     output : covariance C3
 S2C4       input : quad-pol S2     output : covariance C4
 S2T3       input : quad-pol S2     output : coherency T3
 S2T4       input : quad-pol S2     output : coherency T4
 C2         input : covariance C2   output : covariance C2
 C3         input : covariance C3   output : covariance C3
 C4         input : covariance C4   output : covariance C4
 T2         input : coherency T2    output : coherency T2
 T3         input : coherency T3    output : coherency T3
 T4         input : coherency T4    output : coherency T4
 SPP        input : dual-pol SPP    output : dual-pol SPP
```

---

lopez_filter.exe

Parameters:

```
 (string)  -id   input directory
```

```
 (string)   -od   output directory
 (string)   -iodf input-output data format
 (int)      -nwr  Nwin Row
 (int)      -nwc  Nwin Col
 (int)      -ofr  Offset Row
 (int)      -ofc  Offset Col
 (int)      -fnr  Final Number of Row
 (int)      -fnc  Final Number of Col
 (int)      -nit  Number of Iterations
 (int)      -rho  Improved Rho estimation (no 0 - yes 1)
 (float)    -fcw  Fc Weight
 (float)    -str  Strg

Optional Parameters:
 (int)      -mem  Allocated memory for blocksize determination (in Mb)
 (string)   -errf memory error file
 (noarg)    -help displays this message
 (noarg)    -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2C3        input : quad-pol S2     output : covariance C3
 S2C4        input : quad-pol S2     output : covariance C4
 S2T3        input : quad-pol S2     output : coherency T3
 S2T4        input : quad-pol S2     output : coherency T4
 C2          input : covariance C2   output : covariance C2
 C3          input : covariance C3   output : covariance C3
 C4          input : covariance C4   output : covariance C4
 T2          input : coherency T2    output : coherency T2
 T3          input : coherency T3    output : coherency T3
 T4          input : coherency T4    output : coherency T4
 SPP         input : dual-pol SPP    output : dual-pol SPP
```

---

nl_mean_filter.exe

Parameters:

```
 (string)   -id   input directory
 (string)   -od   output directory
 (string)   -iodf input-output data format
 (int)      -nws  Nwin Row and Col
 (int)      -nwp  Nwin Row and Col
 (int)      -nlk  Nlook
 (float)    -k    Threshold Coefficient
 (int)      -ofr  Offset Row
 (int)      -ofc  Offset Col
 (int)      -fnr  Final Number of Row
 (int)      -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)   -mask mask file (valid pixels)
 (int)      -mem  Allocated memory for blocksize determination (in Mb)
 (string)   -errf memory error file
 (noarg)    -help displays this message
```

```
 (noarg)   -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2C3  input : quad-pol S2      output parameters derived from covariance
C3
 S2C4  input : quad-pol S2      output parameters derived from covariance
C4
 S2T3  input : quad-pol S2      output parameters derived from coherency
T3
 S2T4  input : quad-pol S2      output parameters derived from coherency
T4
 C2    input : covariance C2    output parameters derived from covariance
C2
 C3    input : covariance C3    output parameters derived from covariance
C3
 C4    input : covariance C4    output parameters derived from covariance
C4
 T2    input : coherency T2     output parameters derived from coherency
T2
 T3    input : coherency T3     output parameters derived from coherency
T3
 T4    input : coherency T4     output parameters derived from coherency
T4
 SPP   input : dual-pol SPP     output parameters derived from C3
```

---

nl_mean_pre_filter.exe

Parameters:

```
 (string)  -id   input directory
 (string)  -od   output directory
 (string)  -iodf input-output data format
 (int)     -nw   Nwin Row and Col
 (int)     -nlk  Nlook
 (int)     -ofr  Offset Row
 (int)     -ofc  Offset Col
 (int)     -fnr  Final Number of Row
 (int)     -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)  -mask mask file (valid pixels)
 (int)     -mem  Allocated memory for blocksize determination (in Mb)
 (string)  -errf memory error file
 (noarg)   -help displays this message
 (noarg)   -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2C3  input : quad-pol S2      output parameters derived from covariance
C3
```

```
 S2C4  input : quad-pol S2      output parameters derived from covariance
C4
 S2T3  input : quad-pol S2      output parameters derived from coherency
T3
 S2T4  input : quad-pol S2      output parameters derived from coherency
T4
 C2    input : covariance C2    output parameters derived from covariance
C2
 C3    input : covariance C3    output parameters derived from covariance
C3
 C4    input : covariance C4    output parameters derived from covariance
C4
 T2    input : coherency T2     output parameters derived from coherency
T2
 T3    input : coherency T3     output parameters derived from coherency
T3
 T4    input : coherency T4     output parameters derived from coherency
T4
 SPP   input : dual-pol SPP     output parameters derived from C3
```

---

nl_mean_sigma_filter.exe

Parameters:

```
 (string)  -id   input directory
 (string)  -od   output directory
 (string)  -iodf input-output data format
 (int)     -nws  Nwin Row and Col
 (int)     -nwp  Nwin Row and Col
 (int)     -nlk  Nlook
 (float)   -k    Threshold Coefficient
 (int)     -ofr  Offset Row
 (int)     -ofc  Offset Col
 (int)     -fnr  Final Number of Row
 (int)     -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)  -mask mask file (valid pixels)
 (int)     -mem  Allocated memory for blocksize determination (in Mb)
 (string)  -errf memory error file
 (noarg)   -help displays this message
 (noarg)   -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2C3  input : quad-pol S2      output parameters derived from covariance
C3
 S2C4  input : quad-pol S2      output parameters derived from covariance
C4
 S2T3  input : quad-pol S2      output parameters derived from coherency
T3
 S2T4  input : quad-pol S2      output parameters derived from coherency
T4
```

```
 C2    input : covariance C2    output parameters derived from covariance
C2
 C3    input : covariance C3    output parameters derived from covariance
C3
 C4    input : covariance C4    output parameters derived from covariance
C4
 T2    input : coherency T2     output parameters derived from coherency
T2
 T3    input : coherency T3     output parameters derived from coherency
T3
 T4    input : coherency T4     output parameters derived from coherency
T4
 SPP   input : dual-pol SPP     output parameters derived from C3
```

---

nl_mean_sigma_pre_filter.exe

Parameters:

```
 (string)  -id   input directory
 (string)  -od   output directory
 (string)  -iodf input-output data format
 (int)     -nw   Nwin Row and Col - Analysis
 (int)     -nwt  Nwin Row and Col - Target
 (int)     -nlk  Nlook
 (int)     -ofr  Offset Row
 (int)     -ofc  Offset Col
 (int)     -fnr  Final Number of Row
 (int)     -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)  -mask mask file (valid pixels)
 (int)     -mem  Allocated memory for blocksize determination (in Mb)
 (string)  -errf memory error file
 (noarg)   -help displays this message
 (noarg)   -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2C3  input : quad-pol S2      output parameters derived from covariance
C3
 S2C4  input : quad-pol S2      output parameters derived from covariance
C4
 S2T3  input : quad-pol S2      output parameters derived from coherency
T3
 S2T4  input : quad-pol S2      output parameters derived from coherency
T4
 C2    input : covariance C2    output parameters derived from covariance
C2
 C3    input : covariance C3    output parameters derived from covariance
C3
 C4    input : covariance C4    output parameters derived from covariance
C4
 T2    input : coherency T2     output parameters derived from coherency
T2
```

```
 T3    input : coherency T3     output parameters derived from coherency
T3
 T4    input : coherency T4     output parameters derived from coherency
T4
 SPP   input : dual-pol SPP     output parameters derived from C3
```

PWF_filter.exe

Parameters:

```
 (string)  -id   input directory
 (string)  -od   output directory
 (string)  -iodf input-output data format
 (int)     -nwr  Nwin Row
 (int)     -nwc  Nwin Col
 (int)     -ofr  Offset Row
 (int)     -ofc  Offset Col
 (int)     -fnr  Final Number of Row
 (int)     -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)  -mask mask file (valid pixels)
 (int)     -mem  Allocated memory for blocksize determination (in Mb)
 (string)  -errf memory error file
 (noarg)   -help displays this message
 (noarg)   -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2         input : quad-pol S2     output : quad-pol S2
 C2         input : covariance C2   output : covariance C2
 C3         input : covariance C3   output : covariance C3
 C4         input : covariance C4   output : covariance C4
 T2         input : coherency T2    output : coherency T2
 T3         input : coherency T3    output : coherency T3
 T4         input : coherency T4    output : coherency T4
```

---

sirv_model_estimation.exe

Parameters:

```
 (string)  -id   input directory
 (string)  -od   output directory
 (string)  -iodf input-output data format
 (int)     -nwr  Nwin Row
 (int)     -nwc  Nwin Col
 (int)     -ofr  Offset Row
 (int)     -ofc  Offset Col
 (int)     -fnr  Final Number of Row
 (int)     -fnc  Final Number of Col
 (int)     -norm Normalisation flag (1/0)
```

Optional Parameters:

```
 (string)   -mask mask file (valid pixels)
 (noarg)    -help displays this message
 (noarg)    -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2C3        input : quad-pol S2     output : covariance C3
 S2C4        input : quad-pol S2     output : covariance C4
 S2T3        input : quad-pol S2     output : coherency T3
 S2T4        input : quad-pol S2     output : coherency T4
 SPP         input : dual-pol SPP    output : dual-pol SPP
```

---

skou_skriver_restoration.exe

Parameters:

```
 (string)   -id   input directory
 (string)   -od   output directory
 (string)   -idtmp     input tmp directory
 (string)   -iodf input-output data format
 (int)      -nlk  Nlook
 (int)      -nwr  Nwin Row
 (int)      -nwc  Nwin Col
 (int)      -ofr  Offset Row
 (int)      -ofc  Offset Col
 (int)      -fnr  Final Number of Row
 (int)      -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)   -mask mask file (valid pixels)
 (int)      -mem  Allocated memory for blocksize determination (in Mb)
 (string)   -errf memory error file
 (noarg)    -help displays this message
 (noarg)    -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 S2C3        input : quad-pol S2     output : covariance C3
 S2C4        input : quad-pol S2     output : covariance C4
 S2T3        input : quad-pol S2     output : coherency T3
 S2T4        input : quad-pol S2     output : coherency T4
 C2          input : covariance C2   output : covariance C2
 C3          input : covariance C3   output : covariance C3
 C4          input : covariance C4   output : covariance C4
 T2          input : coherency T2    output : coherency T2
 T3          input : coherency T3    output : coherency T3
 T4          input : coherency T4    output : coherency T4
 SPP         input : dual-pol SPP    output : dual-pol SPP
```

---

system_noise_filter.exe

Parameters:

```
 (string)   -id   input directory
 (string)   -od   output directory
 (string)   -iodf input-output data format
 (int)      -ofr  Offset Row
 (int)      -ofc  Offset Col
 (int)      -fnr  Final Number of Row
 (int)      -fnc  Final Number of Col
```

Optional Parameters:

```
 (string)   -mask mask file (valid pixels)
 (int)      -mem  Allocated memory for blocksize determination (in Mb)
 (string)   -errf memory error file
 (noarg)    -help displays this message
 (noarg)    -data displays the help concerning Data Format parameter
```

Usage:

Polarimetric Input-Output Data Format

```
 C4          input : covariance C4   output : covariance C4
 T4          input : coherency T4    output : coherency T4
```