



Interferometric processing system (ips)

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Processing flow

Interferometric processing system (ips)

- *driver program (ips)* runs through entire interferometric processing flow
- uses a *configuration file*
 - basic
 - complete
- can use a *defaults values file*



Driver program (ips)

- creates basic configuration files from scratch
- expands basic configuration files
- runs the SAR interferometric processing flow
- writes command lines into a log file
- allows for flexible processing

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Configuration file (basic)

Command line: `ips -create new.config`

- initializes configuration file from scratch
 - in case configuration does not exist
- creates three basic section
 - [General]
 - [Master image]
 - [Slave image]
- basic data need to be filled in
 - location of reference DEM and data

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Configuration file (basic)

Command line: `ips -create new.config`

- **basename**
 - used as naming scheme for intermediate and final products worth keeping
- location of default values file (optional)
- option for short configuration file
 - leaves out the commenting remarks

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Configuration file (complete)

Command line: `ips -create new.config`

- expands configuration file
 - in case configuration file exists
- creates all section necessary for SAR inteferometric processing flow
- fills in values from default values file (if specified)
- all other values and options need to be filled in

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Default values

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- contains all values that are common for a project
 - data type
 - processing options
 - location of reference DEM
 - map projection parameters



Running ips

Command line: ips new.config

- each section has a *status*
- status 'new': ips will run this section
- status 'progress': processing flow started
 - only [General] section
- status 'stop': ips will interrupt processing
- status 'skip': ips will not execute this section
- status 'success': ips has run through this section

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