



Running pps with `runAllParallel.py`



I run pps for locally recieved data

I use pps for Global-Metop

I use pps for gac-data

Some scripts got new names in v2014:

- CloudMask => ppsCmask.py
- CloudMaskCloudTypePrepare => ppsCmaskPrepare.py
- PrecipPrepare => ppsPrecipPrepare.py
- Precip.py => ppsPrecip.py
- GlobalMetop no longer have separate scripts, ex:
 - ppsCmaskGlobalMetop.py => ppsCmask.py

I get it, all scripts now start with pps.

New calls for pps scripts with argparse

- Local data:
 - `python ppsCtype.py --platform_orbit npp 03147`
- Global metop
 - `python ppsCtype.py --pfsfile
AVHR_xxx_1B_M02_20070916120403Z_20070916120703Z_N_O_200709161
32957Z`
- GAC
 - `python $PPS_SOFTWARE/scr/ppsGacCtype.py --gacfile
NSS.GHRR.NM.D08019.S0227.E0414.B2894446.WI`

I get it, GlobalMetop and local data use the same script but different calls.

PPS standard way: chain of python scripts

Preparation steps:

```
python ppsMakeAvhrr.py --platform_orbit noaa18 40112  
python ppsMakePhysiography.py --platform_orbit noaa18 40112  
python ppsMakeNwp.py --platform_orbit noaa18 40112  
python ppsCmaskPrepare.py --platform_orbit noaa18 40112  
python ppsCtthPrepare.py --platform_orbit noaa18 40112  
python ppsPrecipPrepare.py --platform_orbit noaa18 40112
```

Products:

```
python ppsCmask.py --platform_orbit noaa18 40112  
python ppsCtype.py --platform_orbit noaa18 40112  
python ppsCtth.py --platform_orbit noaa18 40112  
python ppsCtthPlus.py --platform_orbit noaa18 40112  
python ppsPrecip.py --platform_orbit noaa18 40112  
python ppsCpp.py --platform_orbit noaa18 40112
```

Control:

```
python ppsControl.py --platform_orbit noaa18 40112
```

I will need at least
two of the pps
products.

PPS standard way: chain of python scripts

Preparation steps:

```
python ppsMakeAvhrr.py --platform_orbit noaa18 40112  
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Products:

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python ppsCmask.py --platform_orbit noaa18 40112  
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python ppsPrecip.py --platform_orbit noaa18 40112  
python ppsCpp.py --platform_orbit noaa18 40112
```

Control:

```
python ppsControl.py --platform_orbit noaa18 40112
```

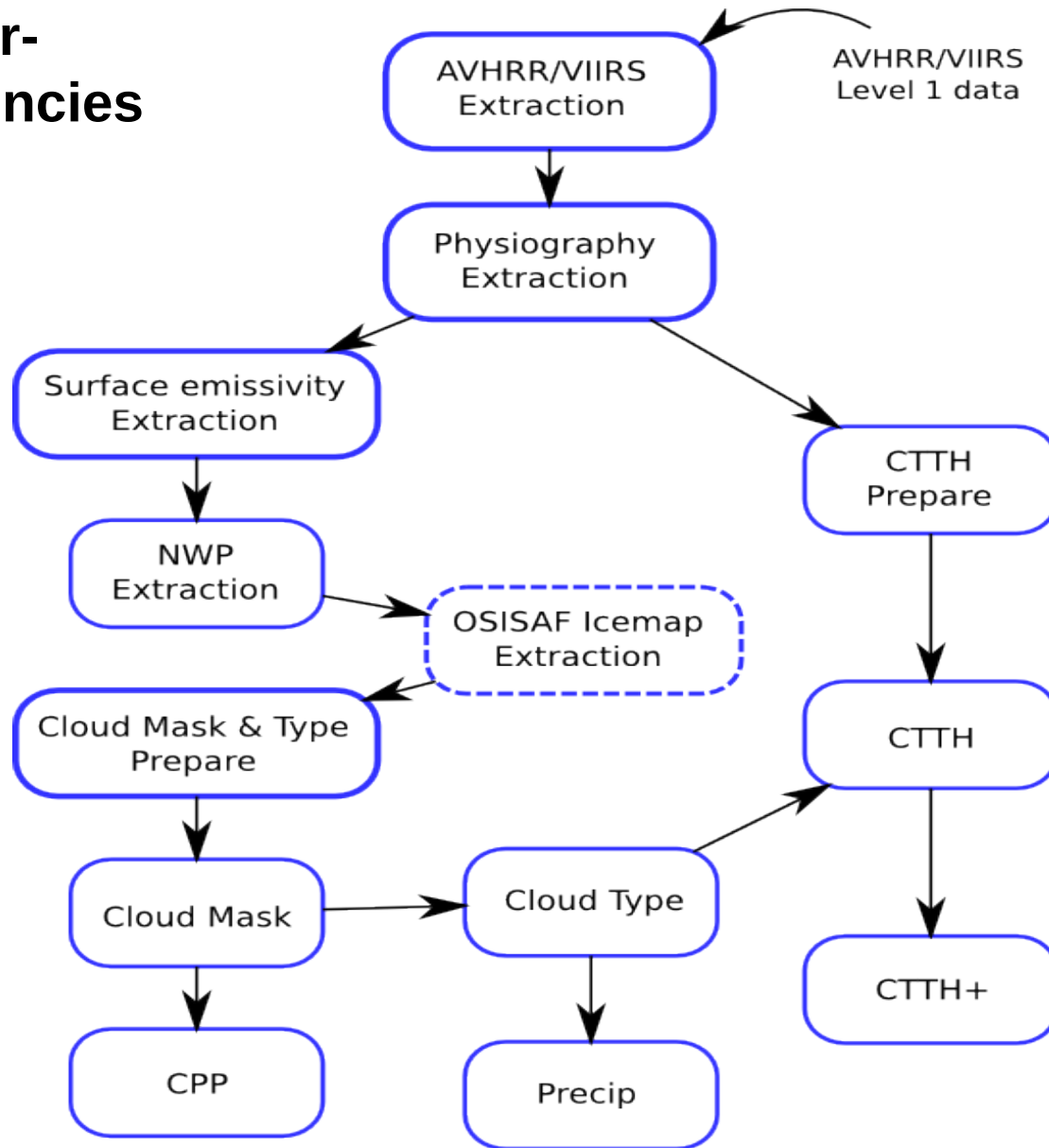
I will need at least
two of the pps
products.

PPS with ppsRunAllParallell.py

- ppsRunAllParallell.py:
 - Start all pps programs with one command for one scene.
 - Choose which products to complete
 - Possibility to also remap to an area
 - Runs program in parallell when possible: ctthPrepare, precip, (cpp)
- Examples:
 - `python $PPS_SOFTWARE/scr/ppsRunAllParallel.py --precip 1 --cpp 1 --ctth 1 --platform_orbit noaa18 40112`
 - `python $PPS_SOFTWARE/scr/ppsRunAllParallel.py --areaid germ --precip 0 --cpp 0 --ctth 0 --pfsfile AVHR_xxx_1B_M02_20070916120403Z_20070916120703Z_N_O_20070916132957Z`

This could be a good way for me to run pps.

PPS inter-dependencies



Steps from installation to running pps:

Activate the environment, (needed also before you run pps):

```
source /local_disk/pps/PYTHON/bin/activate
```

Activate pps:

```
source source_me
```

Run pps:

```
python $PPS_SOFTWARE/scr/ppsRunAllParallel.py --precip 0 --cpp 0 --ctth 0  
--platform_orbit npp 03147
```

I will try this.