

getSAR

command line SAR data download utility

Scott Baker and Falk Amelung

<http://www.rsmas.miami.edu/personal/mbaker/getSAR>

Motivation

- Easier way to search and download data
- Automate data download

Features

- Written in Perl and uses a couple Java classes
- Data Providers: WInSAR, ASF LI Datapool, Supersites
- Satellites: ERS, Envisat, ALOS
- Search Options: Track, Frame, Start and End dates, bounding box, concurrent downloads

Command Line Examples

```
getSAR.pl source=asf track=162 startFrame=0180 parallelDownloads=20
```

```
getSAR.pl source=winsar satellite=Env track=127 startFrame=2781
```

```
getSAR.pl source=asf boundingBox=20.0000,-156.0000,19.0000,-154.0000
```

```
getSAR.pl source=esa track=114
```

Template File Example

getSAR.pl WINSARExampleT200EnvD2.template

source	= winsar
satellite	= Env
track	= 200
startFrame	= 3195
endFrame	= 3231
parallelDownloads	= 10

Limitations (“Bugs”)

- Moving/renaming/storing data locally (different people have different needs)
- Envisat: frame/swath confusion
- Supersites search uses EOLISA and only returns 1000 matches
- getSAR needs to be updated with every update of EOLISA

Planned Features

- Return a list of matches without actually downloading
- Search all the data centers and satellites for a given area
- Anything else people might find useful

Thanks

Questions?

sbaker@rsmas.miami.edu