5g. Use of gitHub for GSICS developments

Jin Woo

KMA

CMA, CNES, EUMETSAT, ISRO, IMD, JMA, KMA, NASA, NIST, NOAA, ROSHYDROMET, USGS, WMO

Contents

- Operational Policy of GDWG GitHub
- Status of GitHub Activities
- Plotting tool Project
- KMA's GitLab for contributing plotting tool

Operational Policy of GitHub

[Decisions made at 2017 GDWG meeting]

Goals

- Configuration management(codes, tools), issue tracking(GDWG action)

Who

- User(All developers(#) or Agency representatives in GDWG group)
- Administrator ⇒ KMA

What

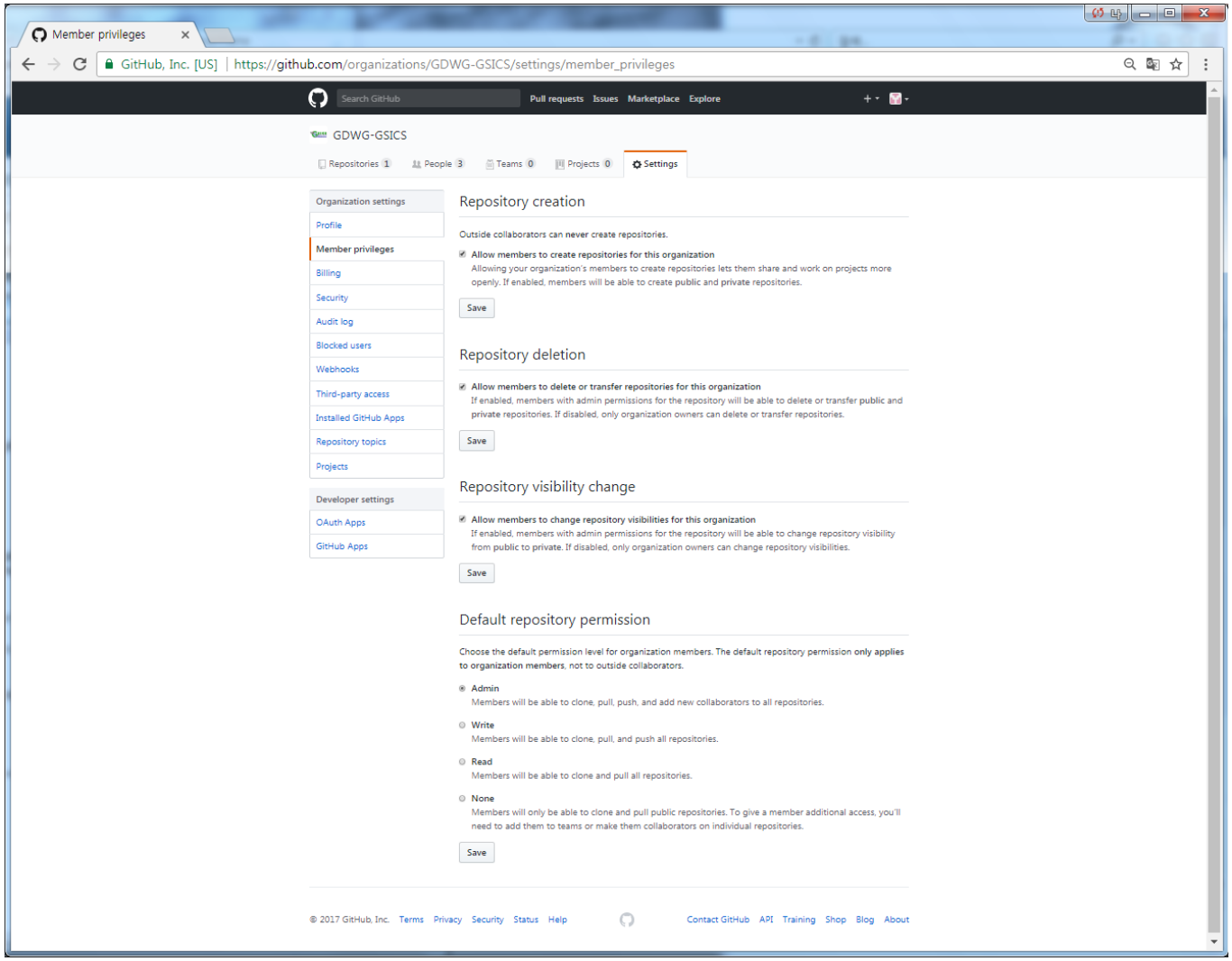
- Operational code, s/w, tools, action items, etc.
- Copyright ?

Activation plan

- Collaboration project ⇒ Plotting tool

Operational Policy of GitHub

[Decisions made at 2017 GDWG meeting]



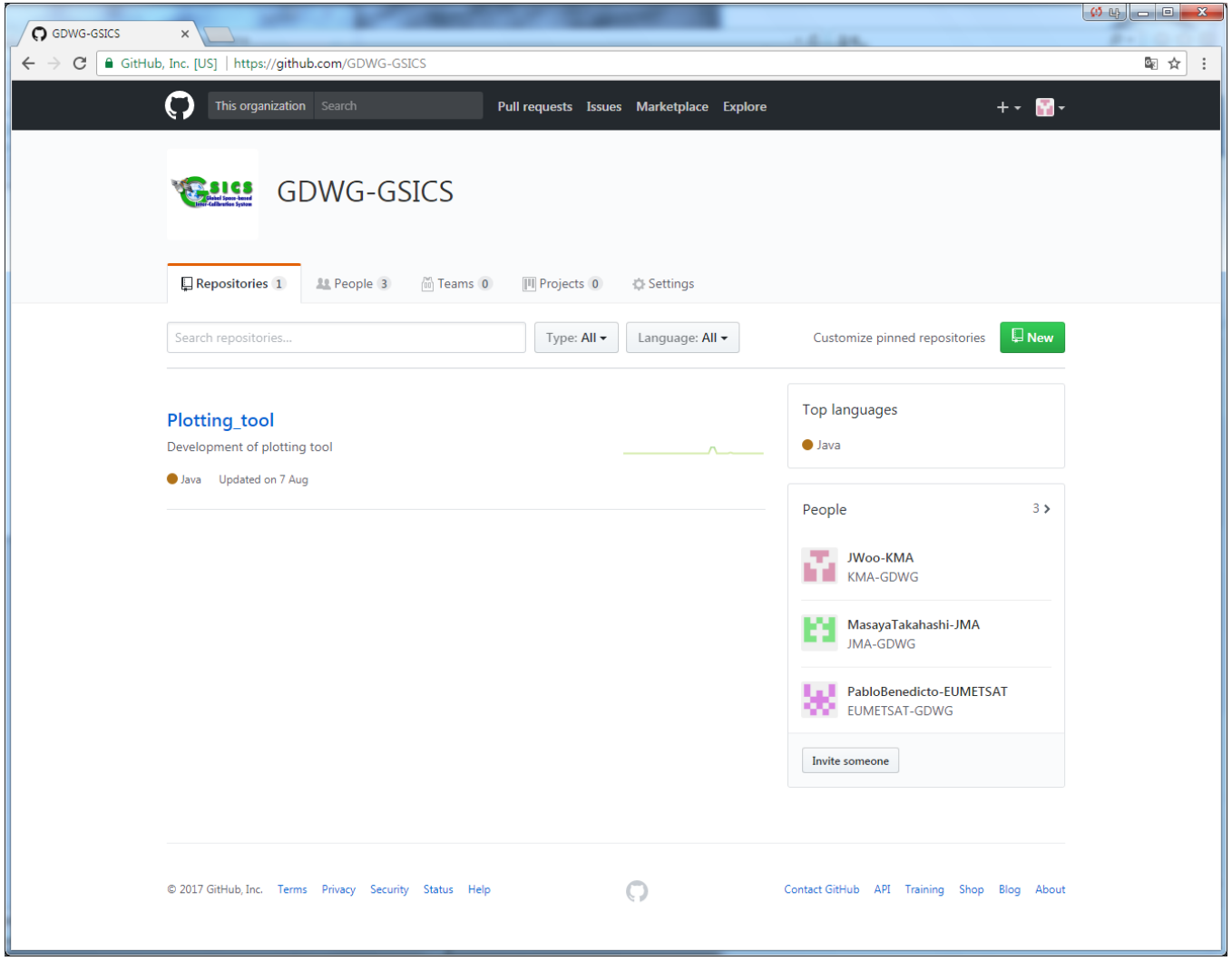
Status of GitHub Activities

[History]

- Group account registration in GitHub [April 27, 2017]
  - https://github.com/GDWG-GSICS
- Registration request to GDWG members [May 4, 2017]
- Naming convention for account [May 30, 2017]
  - Account name : "${personal name}-${Agency's name}“ (e.g. JWOO-KMA)
  - Profile name : "${Agency's name}-GDWG" (e.g. KMA-GDWG)
- Registration Plotting tool Project [June 8, 2017]
  - By EUMETSAT(Pablo Benedicto)

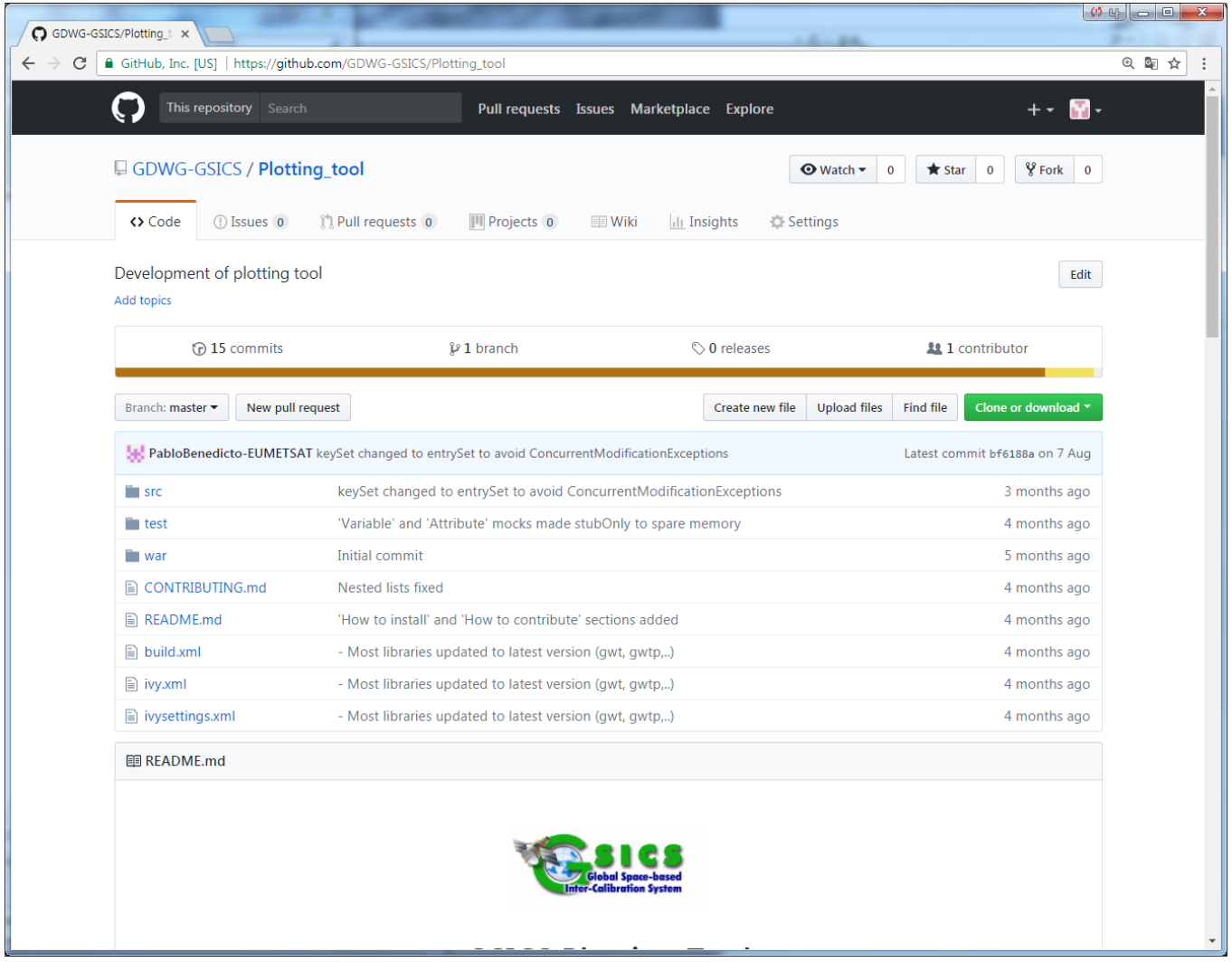
Status of GitHub Activities

[Members]



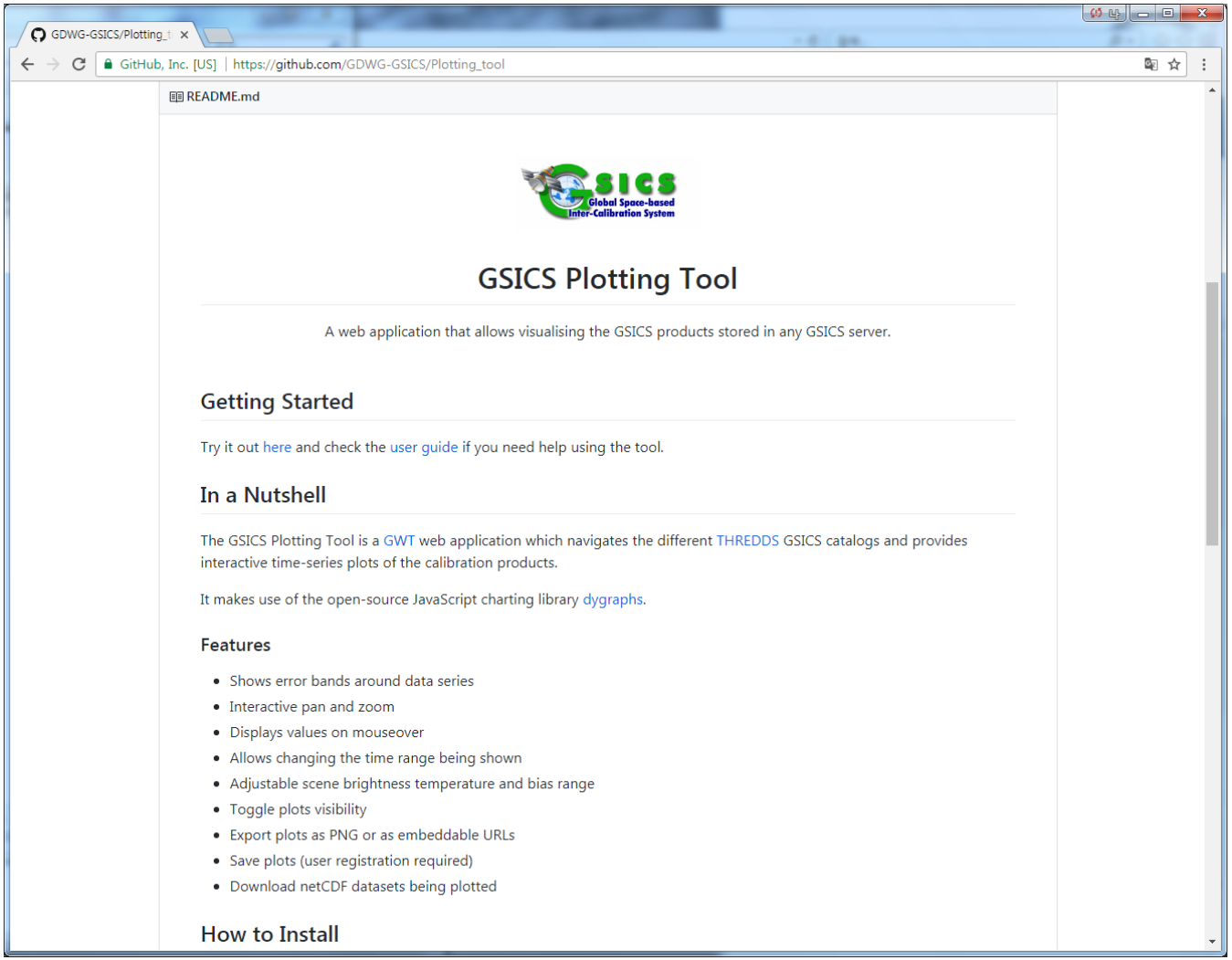
Plotting Tool Project

[Repository]



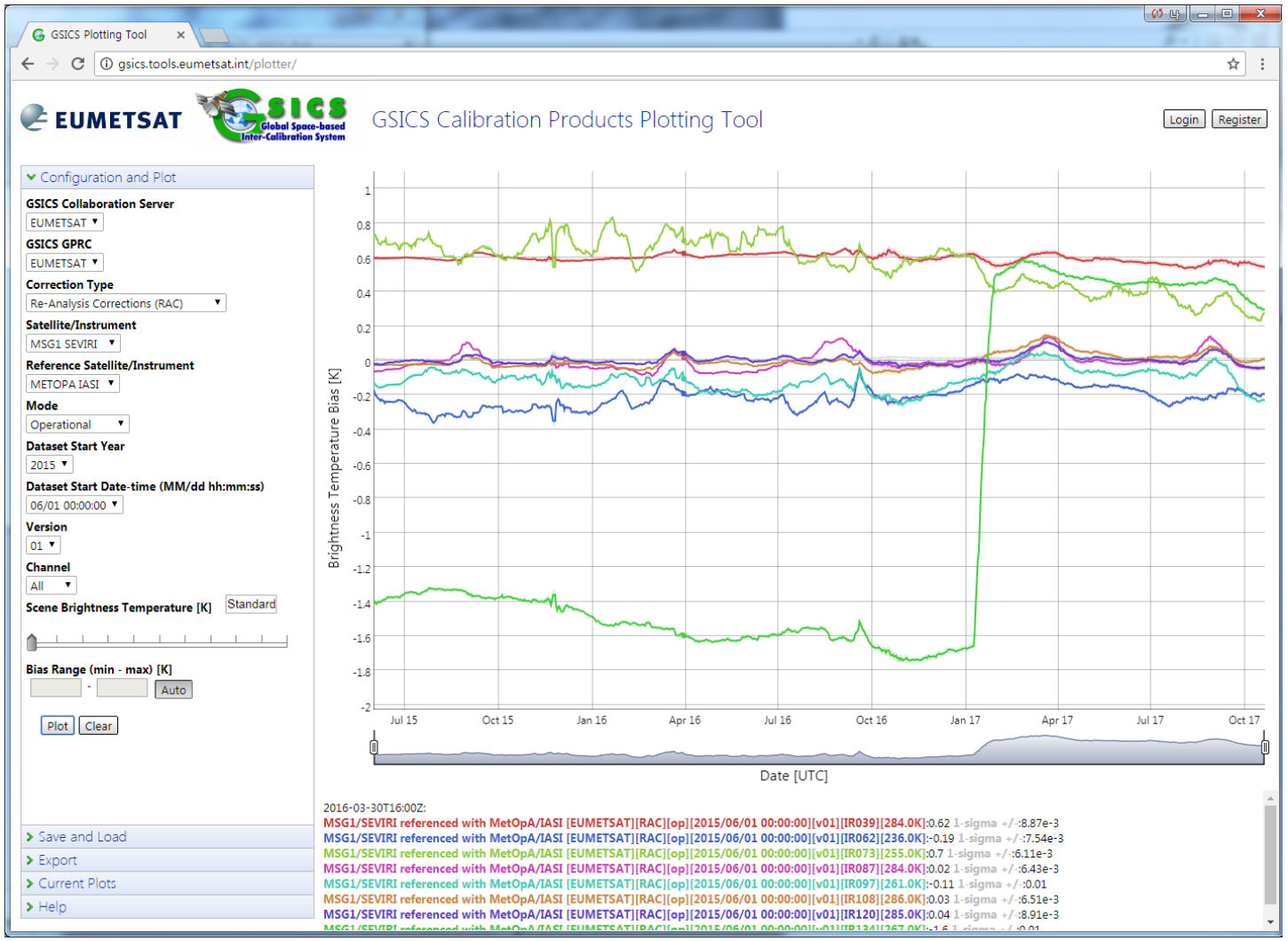
Plotting Tool Project

[Readme]



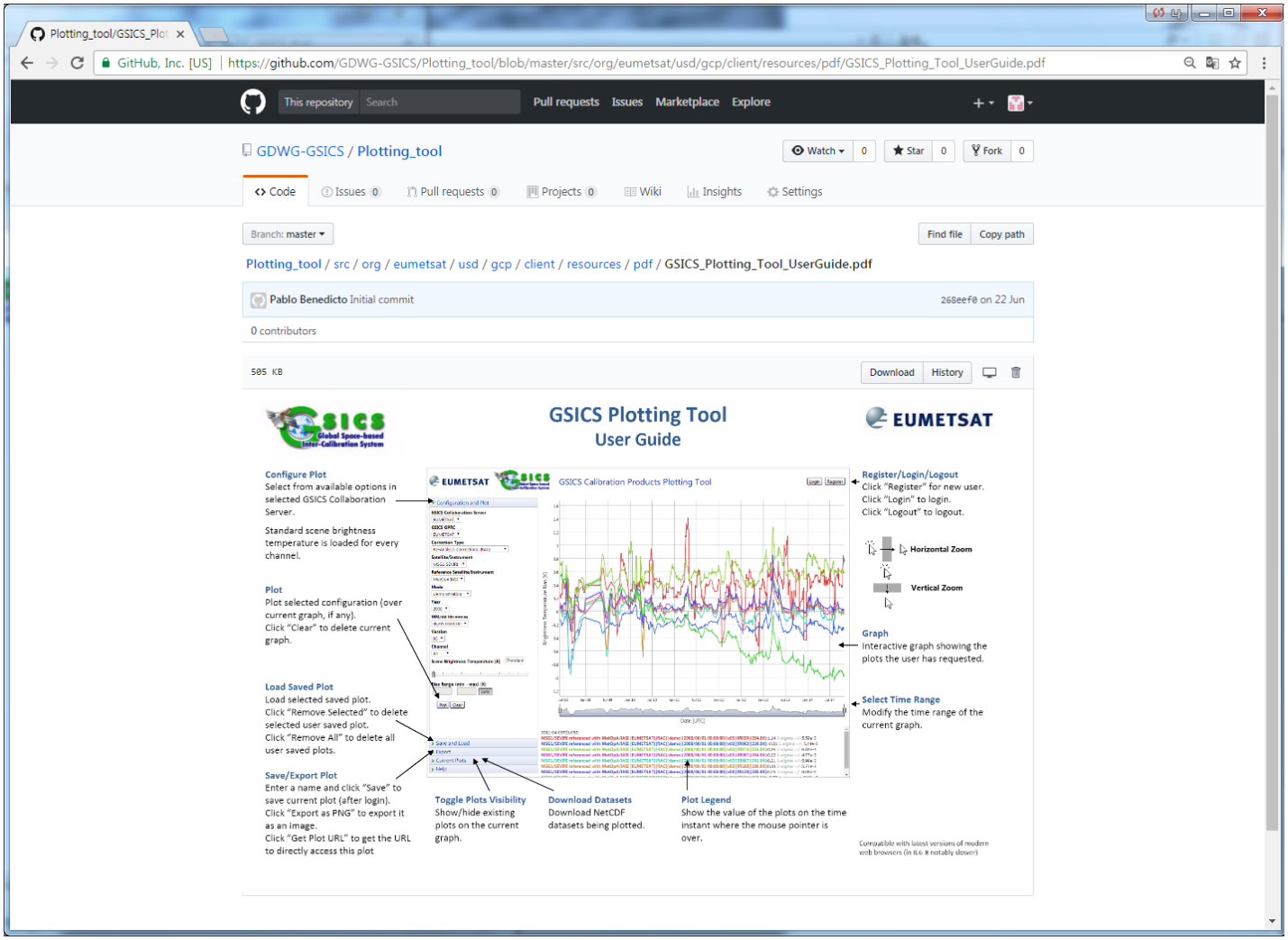
Plotting Tool Project

[Try it out]



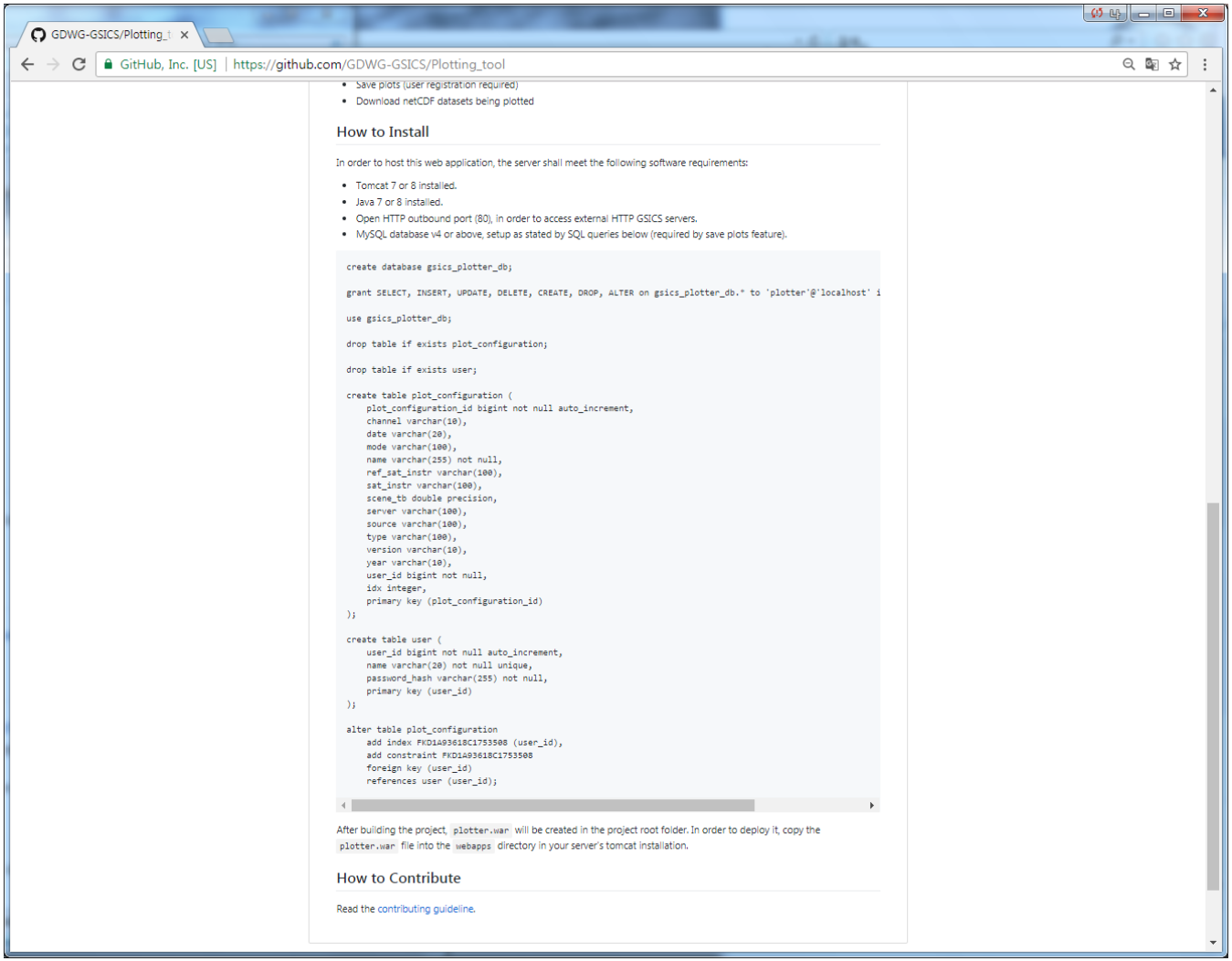
Plotting Tool Project

[User Guide]



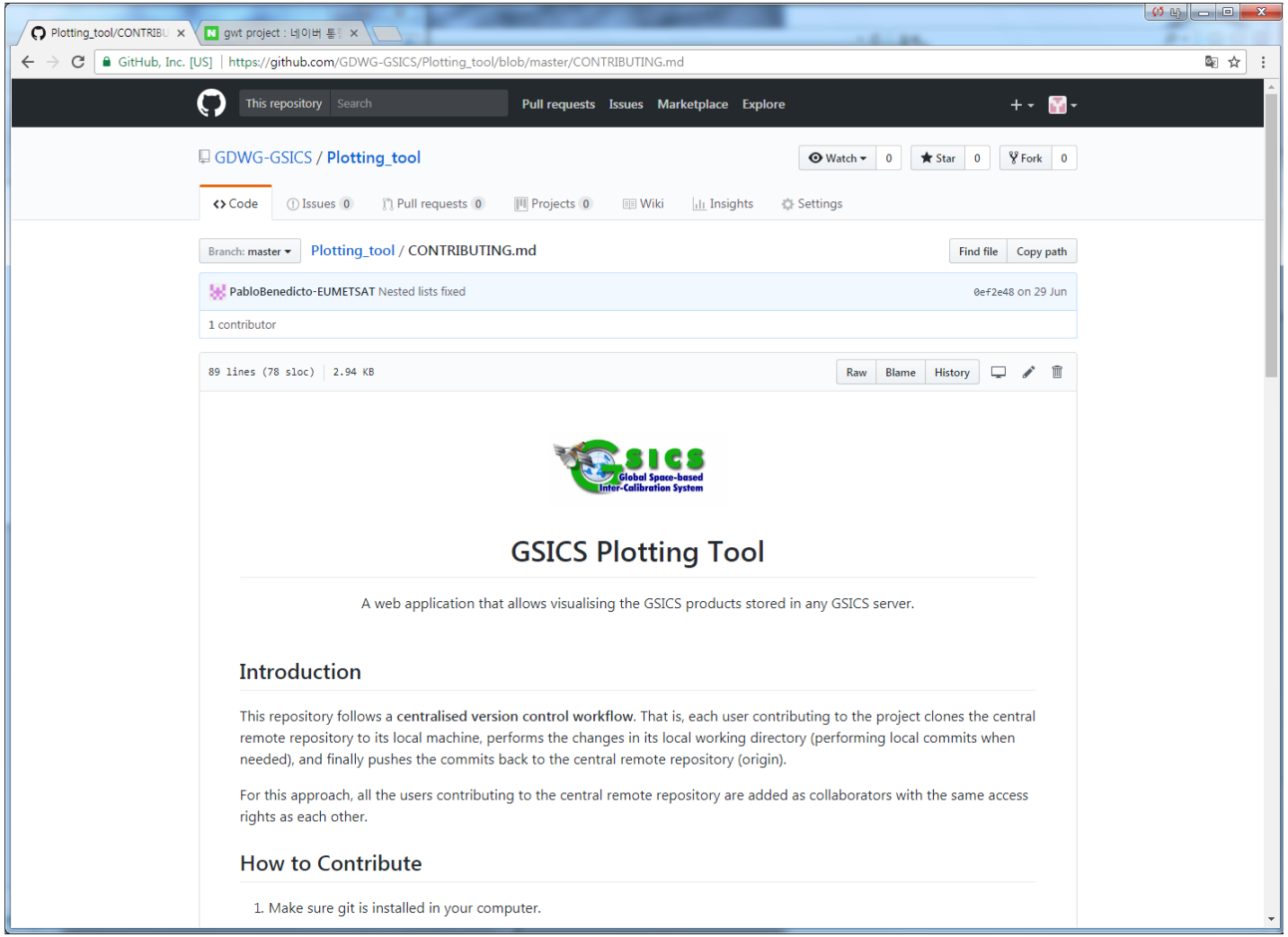
Plotting Tool Project

[Readme]



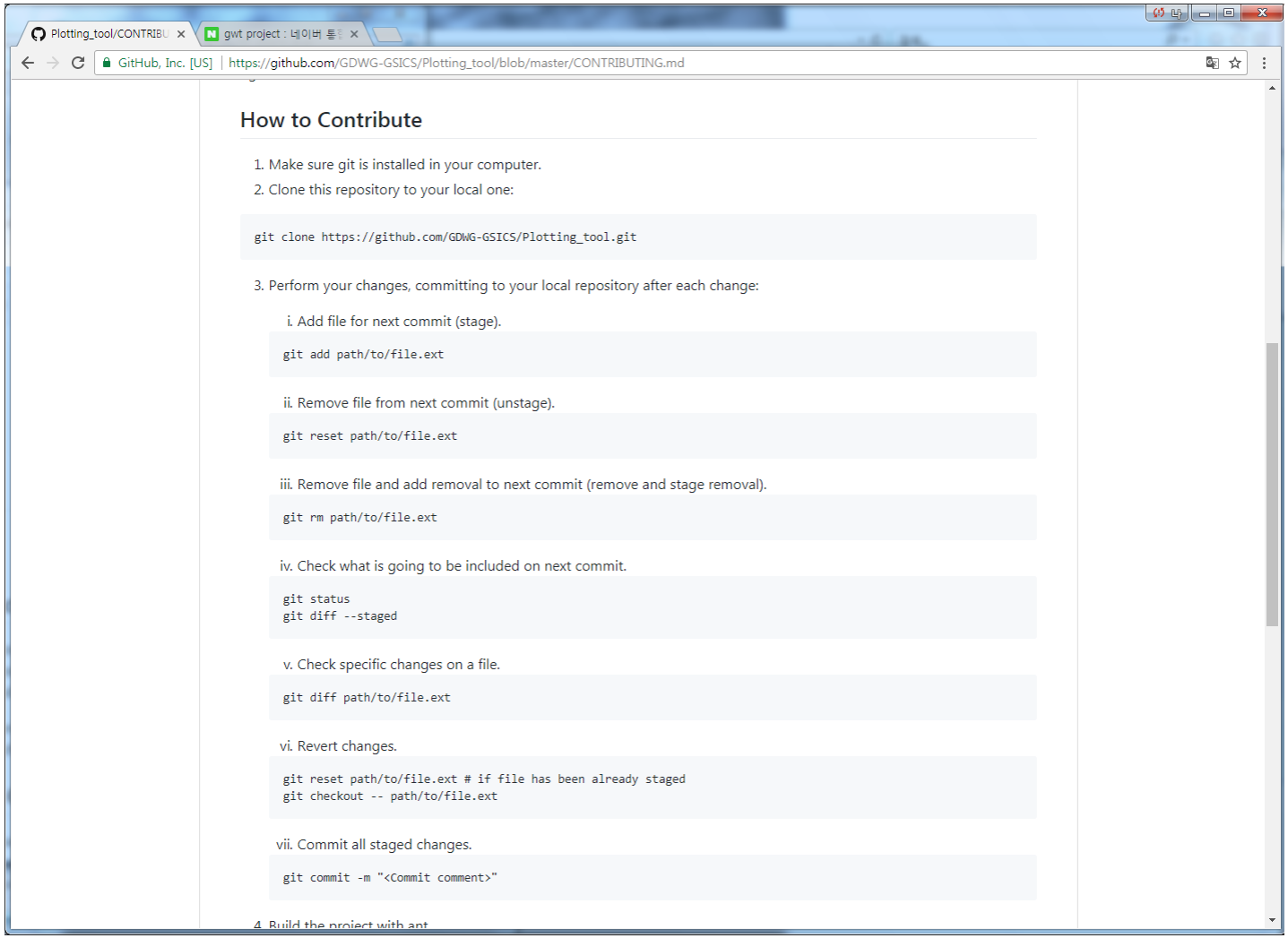
Plotting Tool Project

[Contributing Guideline1]



Plotting Tool Project

[Contributing Guideline2]



How to Contribute

1. Make sure git is installed in your computer.
2. Clone this repository to your local one:

```
git clone https://github.com/GDWG-GSICS/Plotting_tool.git
```

3. Perform your changes, committing to your local repository after each change:

   i. Add file for next commit (stage).

```
git add path/to/file.ext
```

   ii. Remove file from next commit (unstage).

```
git reset path/to/file.ext
```

   iii. Remove file and add removal to next commit (remove and stage removal).

```
git rm path/to/file.ext
```

   iv. Check what is going to be included on next commit.

```
git status
git diff --staged
```

   v. Check specific changes on a file.

```
git diff path/to/file.ext
```

   vi. Revert changes.

```
git reset path/to/file.ext # if file has been already staged
git checkout -- path/to/file.ext
```

   vii. Commit all staged changes.

```
git commit -m "<Commit comment>"
```

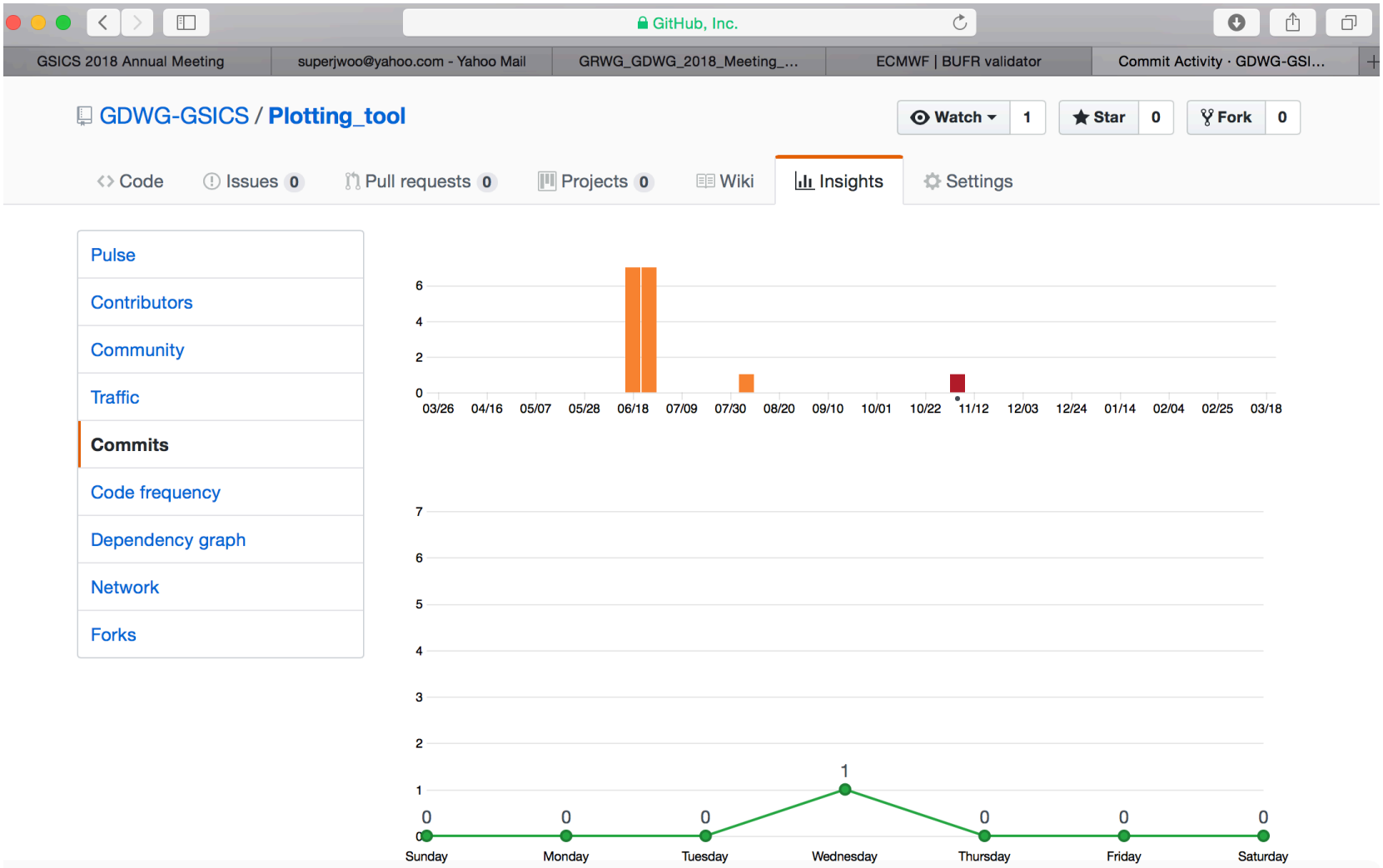
4. Build the project with ant

Plotting Tool Project

[Contributing Guideline3]

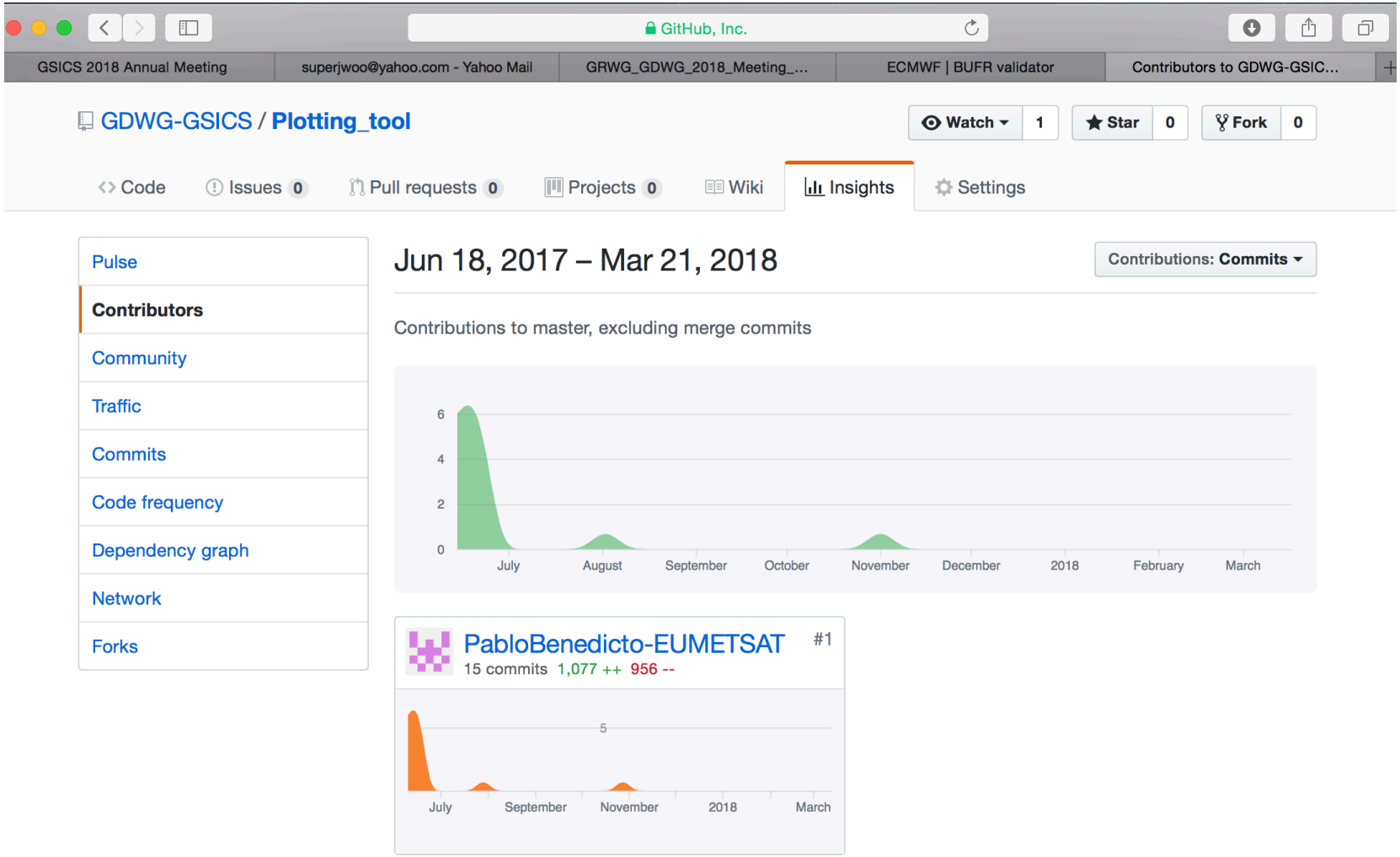
Plotting Tool Project

[Statistics of Activity]



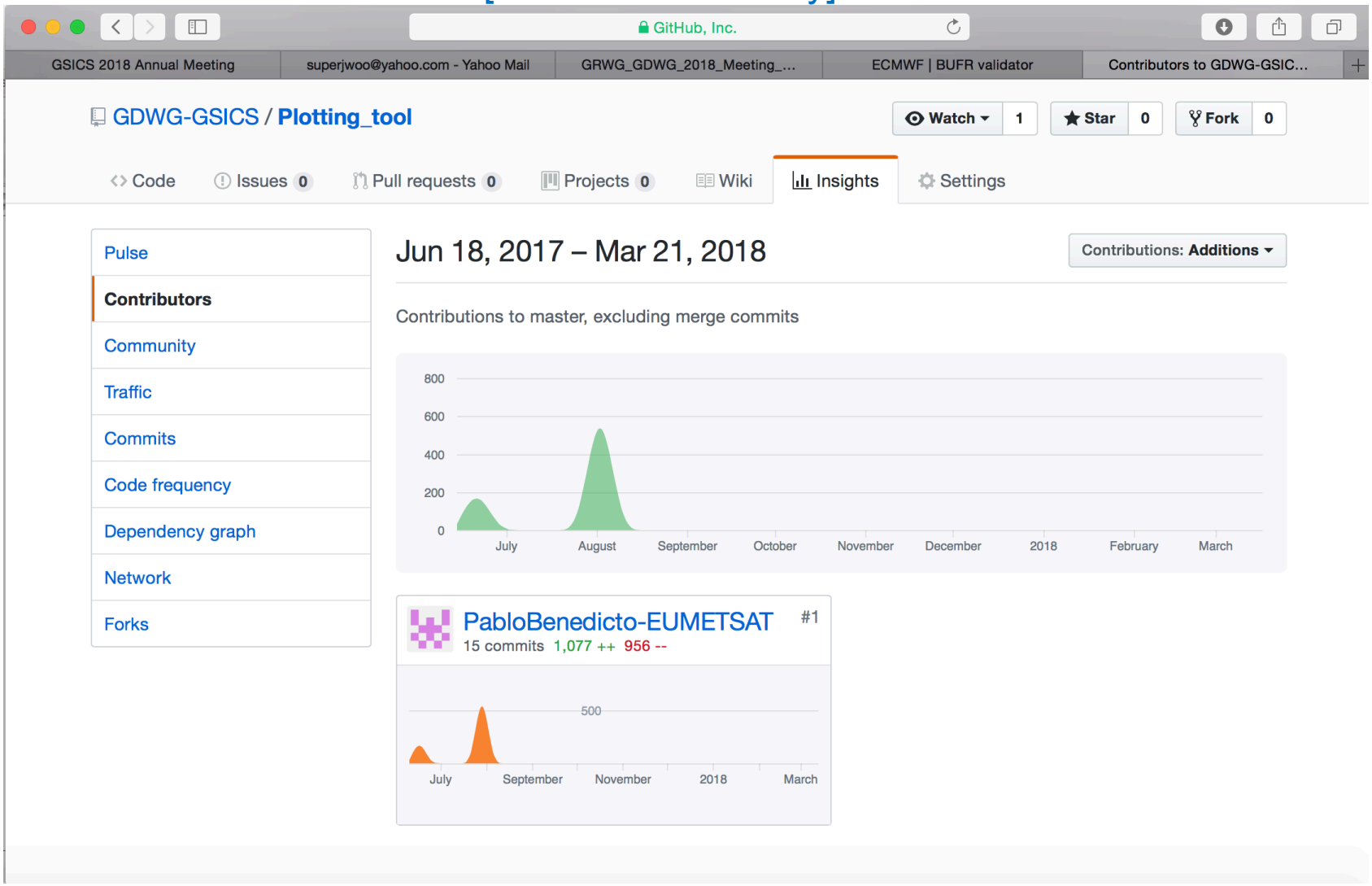
Plotting Tool Project

[Statistics of Activity]



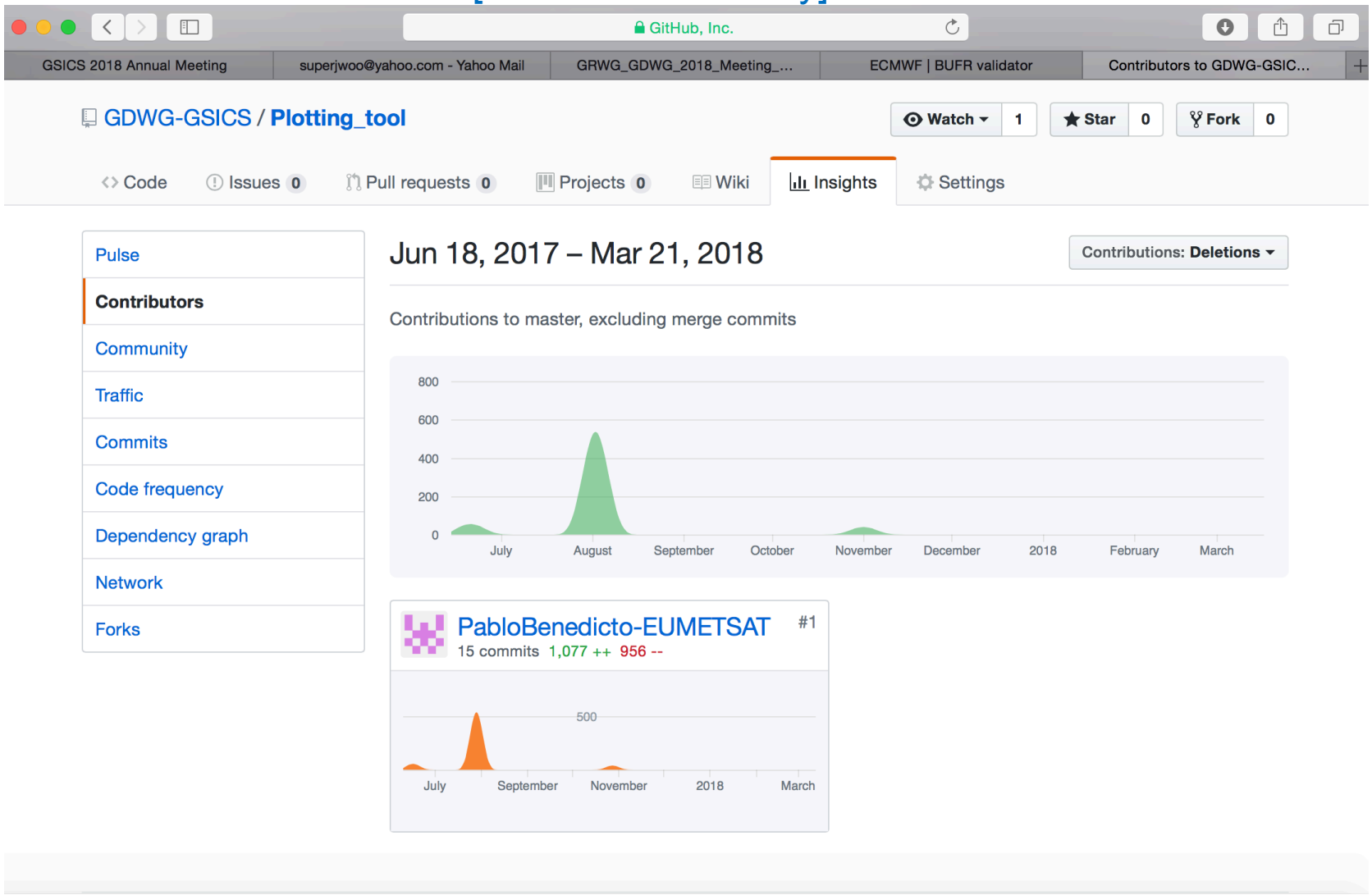
Plotting Tool Project

[Statistics of Activity]



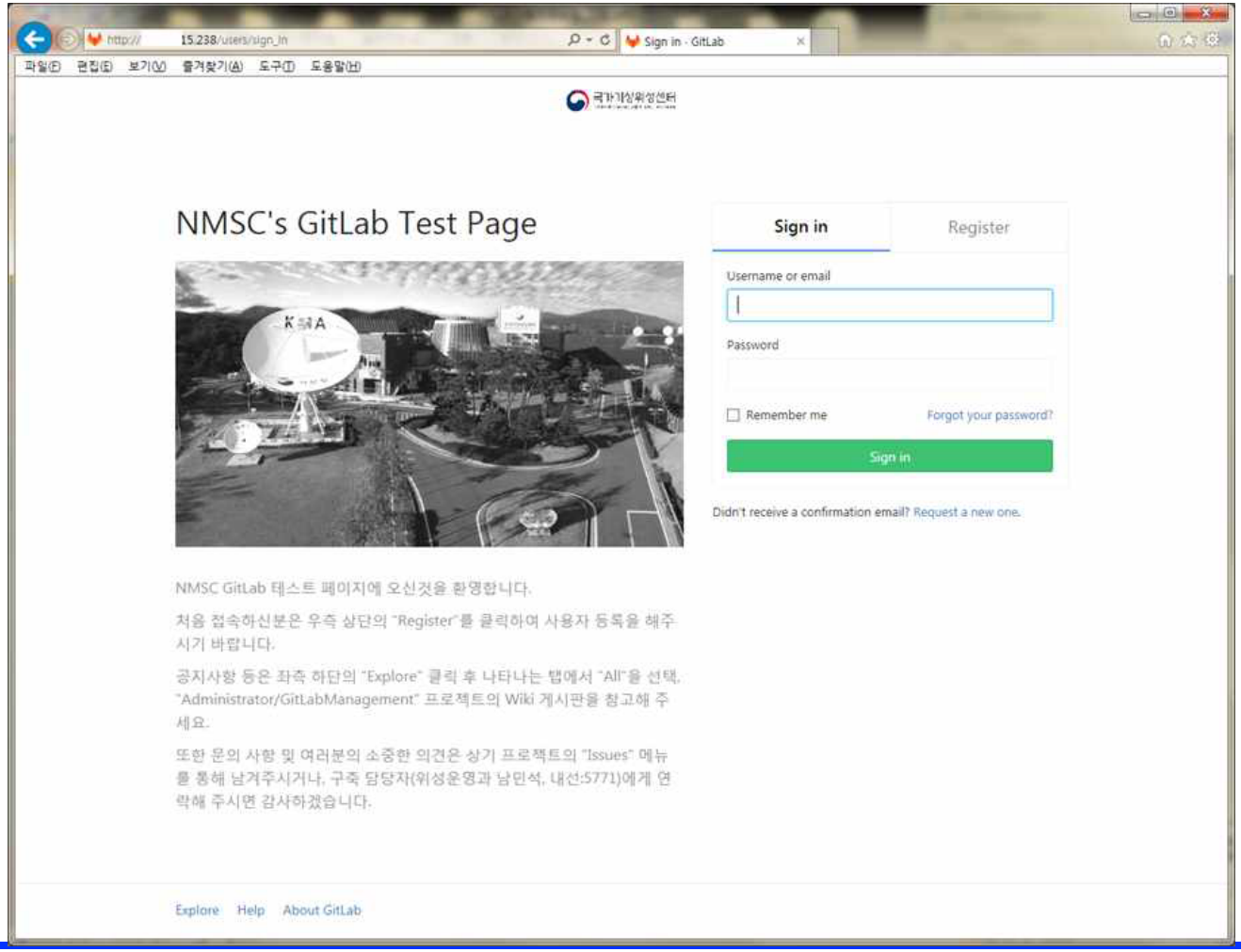
Plotting Tool Project

[Statistics of Activity]

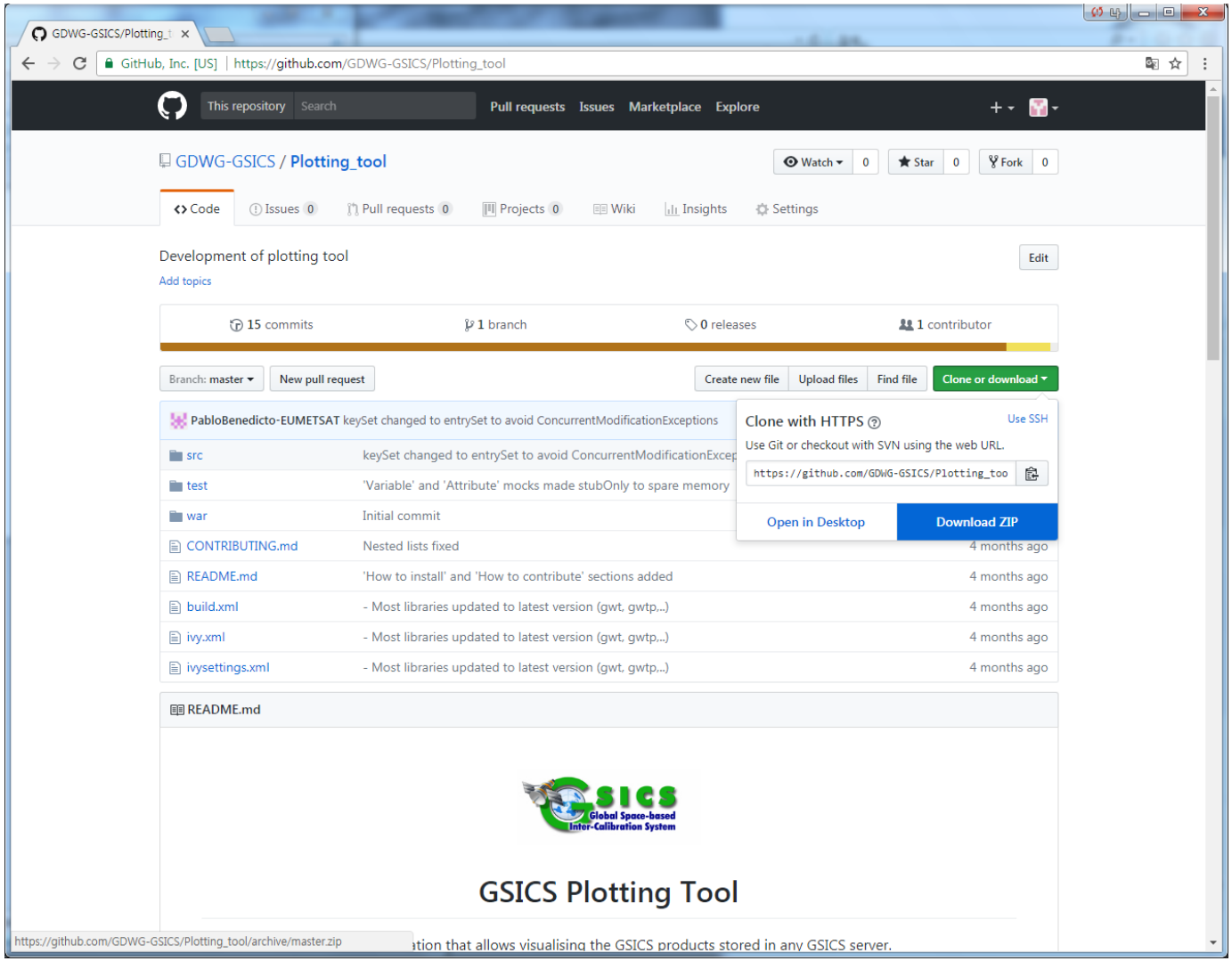


KMA's GitLab for contributing plotting tool

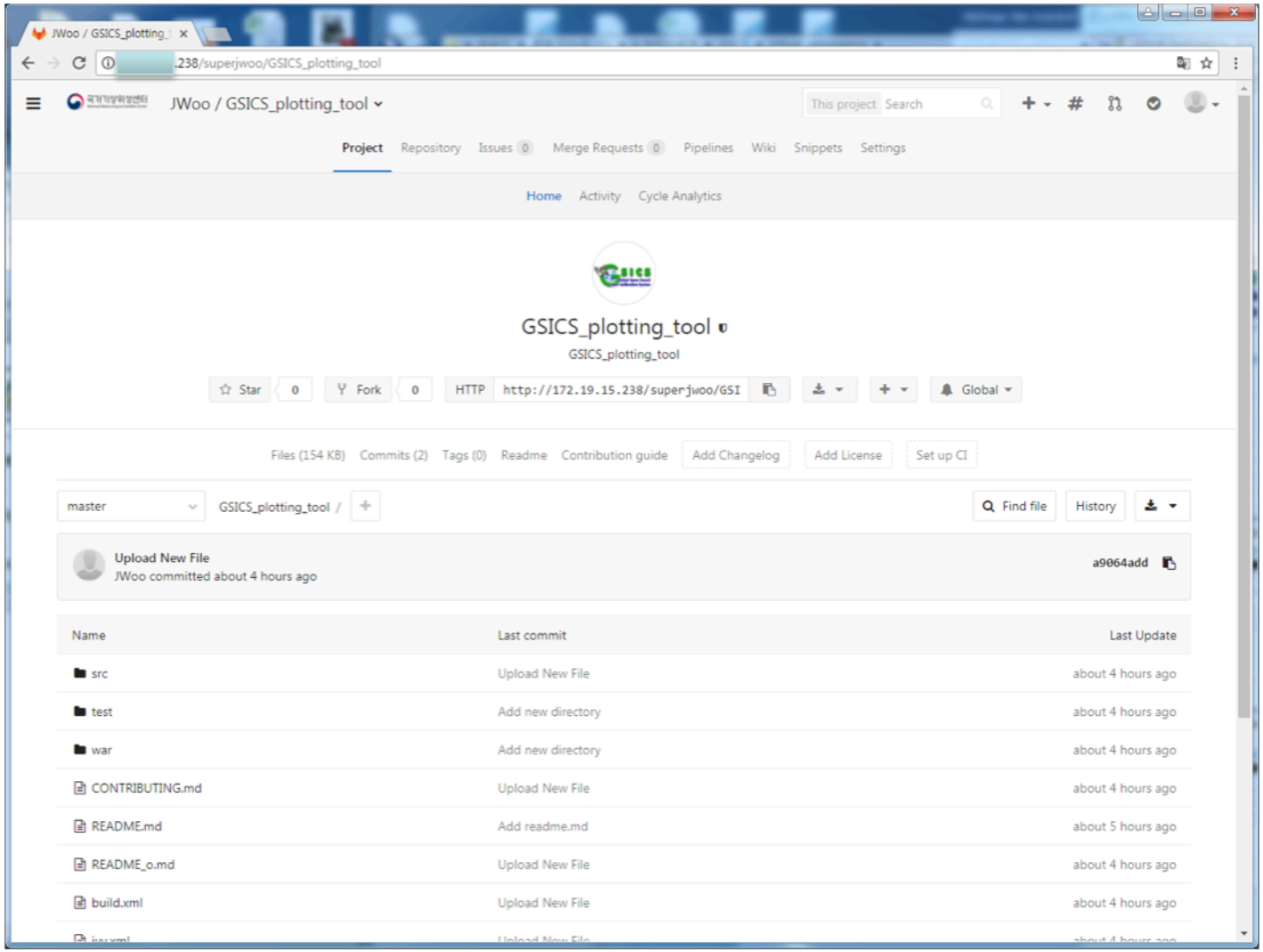
- Only for intranet user(security policy)



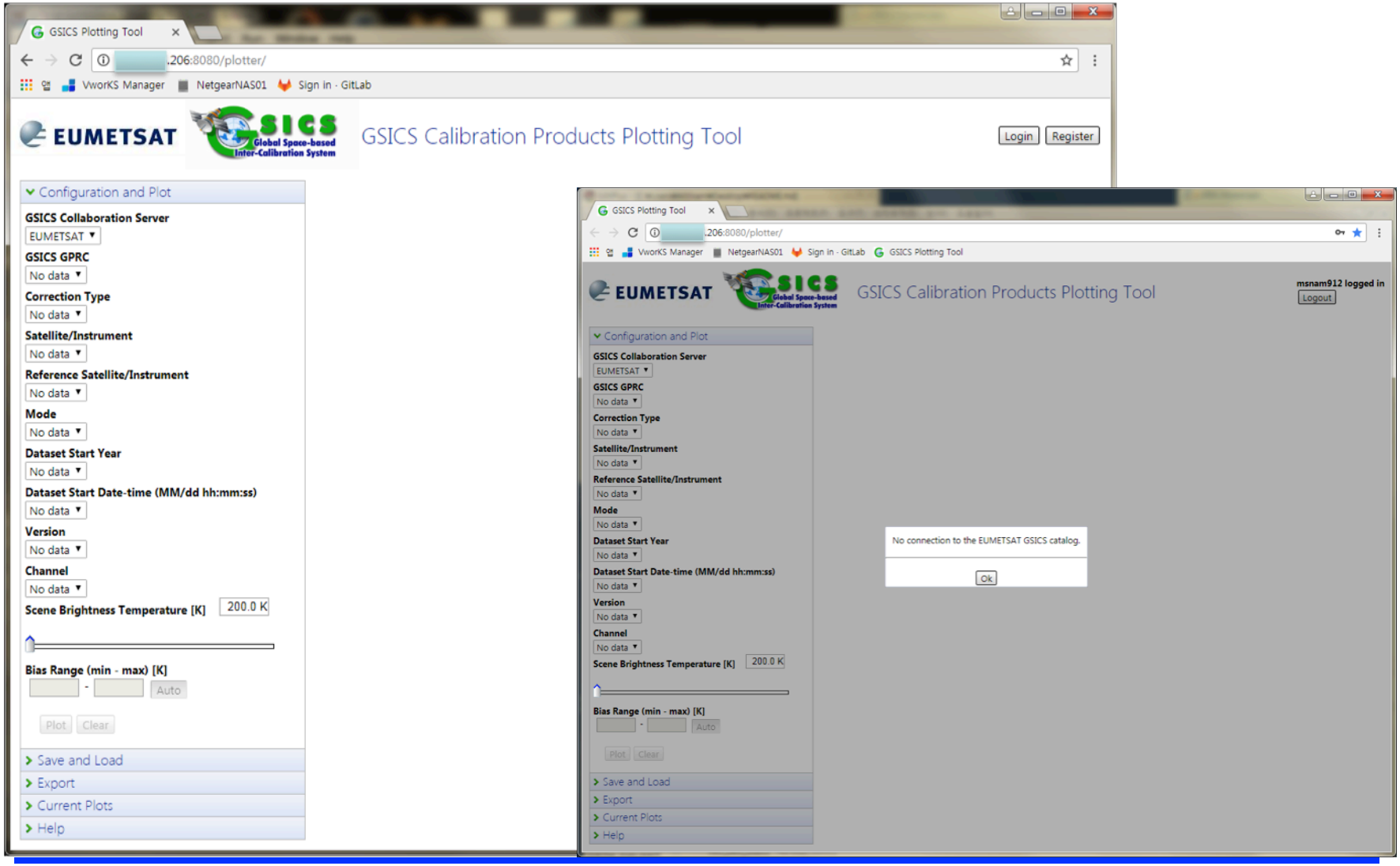
KMA's GitLab for contributing plotting tool



KMA's GitLab for contributing plotting tool



KMA's GitLab for contributing plotting tool



KMA's GitLab for contributing plotting tool

- GSICS project registration in GitLab [November 7, 2017]
  - http://xxx.xxx.xxx.238/superjwoo/GSICS_plotting_tool
- Building Development Environment [~ing]
  - Checking environments
  - Open plotting tool web and Notice to internal user (2018)
- Improvement Plotting Tool in KMA's internal development Environment
  - Make user requirement
  - Modify plotting tool

KMA's GSICS Actions

Action Ref	Description	State	Remark
A.GDWG.2017.5a.7	KMA to review NOAA website contents and update website reviewing slides	Closed	5b
A.GDWG.2017.5i.1	KMA to set up a GitHub project for GDWG activities and document how this is done such that another GPRC can take over the administration of the GitHub project.	Open	5h

End of Presentation: Thank you for your attention

WMO GSICS Portal

http://gsics.wmo.int

GSICS Coordination Centre -

http://www.star.nesdis.noaa.gov/smcd/GCC/index.php

GSICS Product Catalog -

http://www.star.nesdis.noaa.gov/smcd/GCC/ProductCatalog.php

EUMETSAT's Data and Management Server

http://gsics.eumetsat.int