Contents

1 Introduction

This workbook backs up the SeaRise website `http://wiki2.cs.umt.edu/isis/index.php/Main_Page`.

The SeaRise website disappeared sometime in 2023. This data rot broke various documentation and tutorials that linked to the site, and added complexity for historical comparisons and reproducibility.

The SeaRise website was briefly restored, at which point it was crawled, downloaded locally, and links converted to work when browsing locally.

In order to view the SeaRise website, download SeaRIseWebsite$_{\text{local.tgz}}$, unzip, and browse. This archive includes all the data, so that links on the pages continue to work. The various data files are hosted **in duplicate** outside the archive, so that they can be accessed individually and via a direct URL similar to the old website.

2 Download

```
wget -np -nc -r http://wiki2.cs.umt.edu/isis/index.php/Main_Page
wget -np -nc -r http://wiki2.cs.umt.edu
```

2.1 Backup

- Make a backup so that we can experiment on the downloaded files and recover them if necessary.

```
tar cvf SeaRiseWebsite.tar wiki2.cs.umt.edu
```

- Website folder is 3.4 GB

- `tar` file is same size as folder, but fast to compress/decompress

- `tgz` file is 2.5 GB

2.1.1   Test restore

```
mkdir tmp
cp SeaRiseWebsite.tar ./tmp
pushd tmp
tar xvf SeaRiseWebsite.tar
popd
rm -fR tmp
```

3   List of data files

- All attachments seem to be in `isis/images` folder.

- Assume anything not an image is useful data.

```
for ext in $(find ./wiki2.cs.umt.edu/isis/images/ -type f | grep -Ev 'gif|jpg|png|JPG'
  echo "EXT: " ${ext}
  cp $(find ./wiki2.cs.umt.edu/isis/images/ -type f -name "*.${ext}") ./dat
  echo ""
done

EXT:   dmg
./wiki2.cs.umt.edu/isis/images/7/7e/EduISISMac.dmg

EXT:   gz
./wiki2.cs.umt.edu/isis/images/0/05/Pr.tar.gz
./wiki2.cs.umt.edu/isis/images/8/86/GlandDataReferences.tar.gz
./wiki2.cs.umt.edu/isis/images/8/86/Sample_poisson_v1.m.gz
./wiki2.cs.umt.edu/isis/images/9/9a/3dtemp.tar.gz
./wiki2.cs.umt.edu/isis/images/4/43/F2py_examples.tar.gz
./wiki2.cs.umt.edu/isis/images/4/4d/Mesh_RIS.mat.gz
./wiki2.cs.umt.edu/isis/images/7/7f/Glint-example.tar.gz
./wiki2.cs.umt.edu/isis/images/6/6f/AntDataReferences.tar.gz
./wiki2.cs.umt.edu/isis/images/6/6e/Tas.tar.gz
./wiki2.cs.umt.edu/isis/images/2/2a/A_full_model_r104.tar.gz
```

```
./wiki2.cs.umt.edu/isis/images/e/ec/ISISLinux.tar.gz
./wiki2.cs.umt.edu/isis/images/c/ca/Huss.tar.gz

EXT:  nc
./wiki2.cs.umt.edu/isis/images/0/01/GL_climate_forcing_2004_2098_v4.nc
./wiki2.cs.umt.edu/isis/images/d/da/Greenland_heat_flux_5km.nc
./wiki2.cs.umt.edu/isis/images/8/83/Climate_forcing_2004_2098_v3.nc
./wiki2.cs.umt.edu/isis/images/8/86/Greenland_5km_v0.93.nc
./wiki2.cs.umt.edu/isis/images/9/9b/Dummy.nc
./wiki2.cs.umt.edu/isis/images/4/4d/Antarctica_5km_dev1.0.nc
./wiki2.cs.umt.edu/isis/images/7/7a/Greenland15km_hot.nc
./wiki2.cs.umt.edu/isis/images/7/74/Ant20km_hot.nc
./wiki2.cs.umt.edu/isis/images/b/bb/Greenland_5km_E2.nc
./wiki2.cs.umt.edu/isis/images/6/6c/Greenland15km_acab.nc
./wiki2.cs.umt.edu/isis/images/a/a5/Greenland_5km_v1.1.nc
./wiki2.cs.umt.edu/isis/images/a/ab/Greenland1km.nc
./wiki2.cs.umt.edu/isis/images/a/ab/Greenland_5km_hot.nc
./wiki2.cs.umt.edu/isis/images/a/a4/Greenland_spin.nc
./wiki2.cs.umt.edu/isis/images/e/e9/Greenland_5km_dev1.2.nc
./wiki2.cs.umt.edu/isis/images/e/ec/Climate_forcing_2004_2098.nc
./wiki2.cs.umt.edu/isis/images/c/c8/Antarctica_heat_flux_5km.nc
./wiki2.cs.umt.edu/isis/images/c/cc/Antarctica_5km_withshelves_v0.75.nc
./wiki2.cs.umt.edu/isis/images/1/1c/Greenland_5km_dev1.0.nc
./wiki2.cs.umt.edu/isis/images/1/12/Antarctica_5km_woshelves_v0.75.nc
./wiki2.cs.umt.edu/isis/images/1/14/Orog.nc

EXT:  pdf
./wiki2.cs.umt.edu/isis/images/0/07/IntroToGlimmerI.pdf
./wiki2.cs.umt.edu/isis/images/0/0c/Slides.pdf
./wiki2.cs.umt.edu/isis/images/d/d8/Ph-ad-notes.pdf
./wiki2.cs.umt.edu/isis/images/d/d9/Oerlemans_81.pdf
./wiki2.cs.umt.edu/isis/images/d/dc/Lillquist_Walker_2006_Hood_Glacier_Fluctuations.pd:
./wiki2.cs.umt.edu/isis/images/8/88/Eliot_comppics.pdf
./wiki2.cs.umt.edu/isis/images/8/88/Del_3_final090723.pdf
./wiki2.cs.umt.edu/isis/images/5/51/Aitbala_presentation.pdf
./wiki2.cs.umt.edu/isis/images/5/50/MacAyeal89.pdf
./wiki2.cs.umt.edu/isis/images/3/30/Jezek_talk.pdf
./wiki2.cs.umt.edu/isis/images/9/95/Oerlemans_82.pdf
./wiki2.cs.umt.edu/isis/images/9/9e/Lipscomb_Talk.pdf
./wiki2.cs.umt.edu/isis/images/4/4f/BougamontEtAl2003a.pdf
```

```
./wiki2.cs.umt.edu/isis/images/4/44/Equations.pdf
./wiki2.cs.umt.edu/isis/images/4/46/Introduction_to_SMS.pdf
./wiki2.cs.umt.edu/isis/images/4/46/Quick_fem_notes.pdf
./wiki2.cs.umt.edu/isis/images/7/79/BougamontEtAl2003b.pdf
./wiki2.cs.umt.edu/isis/images/7/7c/Tulaczyk2006.pdf
./wiki2.cs.umt.edu/isis/images/7/7c/Del_2_final_090720.pdf
./wiki2.cs.umt.edu/isis/images/b/bd/Eliot_field_trip.pdf
./wiki2.cs.umt.edu/isis/images/b/b8/TulaczykEtAl2000.pdf
./wiki2.cs.umt.edu/isis/images/b/b8/Del_1_final_090720.pdf
./wiki2.cs.umt.edu/isis/images/b/ba/J._Geophys._Res_2003_Pattyn.pdf
./wiki2.cs.umt.edu/isis/images/b/b7/IntroToFD.pdf
./wiki2.cs.umt.edu/isis/images/6/6a/Gl_treatments.pdf
./wiki2.cs.umt.edu/isis/images/6/66/JoughinEtAl2002.pdf
./wiki2.cs.umt.edu/isis/images/6/6f/LinuxGuide.pdf
./wiki2.cs.umt.edu/isis/images/2/29/Aitbala_derivation.pdf
./wiki2.cs.umt.edu/isis/images/e/e7/DataSites.pdf
./wiki2.cs.umt.edu/isis/images/f/f0/File.pdf
./wiki2.cs.umt.edu/isis/images/1/18/Spr_final.pdf
./wiki2.cs.umt.edu/isis/images/1/19/Ruttetal2009.pdf
./wiki2.cs.umt.edu/isis/images/1/19/GLunch.pdf
./wiki2.cs.umt.edu/isis/images/1/1b/Tulaczyk_pdx.pdf

EXT:  xls
./wiki2.cs.umt.edu/isis/images/e/e1/Variables.xls

EXT:  zip
./wiki2.cs.umt.edu/isis/images/d/d0/ISISWindows.zip
./wiki2.cs.umt.edu/isis/images/8/84/ISSMS.kmz.zip
./wiki2.cs.umt.edu/isis/images/8/8a/Arolla_tripped.zip
./wiki2.cs.umt.edu/isis/images/3/3c/EduISISWindows.zip
./wiki2.cs.umt.edu/isis/images/9/95/Greenland_15km.zip
./wiki2.cs.umt.edu/isis/images/9/99/Configfiles.zip
./wiki2.cs.umt.edu/isis/images/b/b9/Ross_shelf.zip
./wiki2.cs.umt.edu/isis/images/e/e5/ISISMac.zip
./wiki2.cs.umt.edu/isis/images/f/f7/Heatflux.zip
./wiki2.cs.umt.edu/isis/images/1/1f/Antarctica_20km.zip
```

4   Convert URLs for local browsing

Note: `wget -k` usually works well to convert remote URLs to local links, but not in this case. Many remote URLs remain, and there are weird `File:` links that need manual tuning.

```
# remove /isis/index.php
find ./wiki2.cs.umt.edu -type f -print0 | xargs -0 sed -i '' -e 's/\/isis\/index.php\/

# change isis/images to ../images
find ./wiki2.cs.umt.edu -type f -print0 | xargs -0 sed -i '' -e 's/\/isis\/images/\.\.

# change isis/skins to ../skins
find ./wiki2.cs.umt.edu -type f -print0 | xargs -0 sed -i '' -e 's/\/isis\/skins/\.\.\

# Manually edit index.html to
# <meta http-equiv="refresh" content="0; url=isis/index.php/Main_Page" />
```

The website is now locally browsable with text.

- Thumbnail images display.

- Clicking on data files correctly tries to 'download' them (although they are all on your computer already)

- Clicking on an image to get the larger version does not work. This appears to be a MediaWiki issue. Images are presented as `isis/index.php?foo.png`, but `foo.png` does not exist. There is an `isis/index.php/File:foo.png`, but that is actually HTML that contains information about `isis/images/some/unique/path/to/`. A script could probably convert all these...

5   Archive modified pages that support local browsing

```
tar -czvf SeaRiseWebsite_local.tgz wiki2.cs.umt.edu
```