With the Gemini conda channel unavailable due to the cyber incident, the packages needed for DRAGONS could be obtained from a colleague who had already installed DRAGONS prior to the cyber incident. Below we list the specific packages that you will need, and how to arrange them on your machine for conda to pick them up. Once you have that, the installation is straightforward and very similar to the standard method.

We will cover Mac Intel/M1 and Linux.

IMPORTANT:

It is critical that you obtain packages that match your local machine architecture. For example, getting the packages from a colleague who uses Linux will do you no good if your own machine is a Mac. (For DRAGONS, the Mac Intel packages are uses for Mac M1.)

Step 1 - Be very nice to a colleague and obtain their conda packages.

The packages on your colleague's machine will be located in a directory equivalent to:

~/anaconda3/pkgs

(You can check the value of $CONDA_EXE and replace the "bin/conda" with "pkgs".)

The packages that you will need:

Note that for "dragons-3.1.0", the py310_0 or py310_1 versions will also work if you follow the installation instructions below as the commands contain the necessary version constraints on astropy and bokeh.

All architectures (Mac Intel/M1 and Linux)

- dragons-3.1.0-py310_2.tar.bz2
- ds9-8.2.1-0.tar.bz2
- gemini_calmgr-1.1.22-py_0.tar.bz2
- gemini_obs_db-1.0.27-py_0.tar.bz2
- sextractor-2.19.5-0.tar.bz2

Step 2 - Thank your colleague!

Step 3 - Copy the packages in the necessary directory structure

For conda to correctly index the packages, it helps to put into a certain directory structure.

Mac Intel/M1

```
$ mkdir -p <somewhere>/condapkgs/osx-64
$ cp <all_the_bz2> <somewhere>/condapkgs/osx-64/
```

Linux

```
$ mkdir -p <somewhere>/condapkgs/linux-64
$ cp <all_the_bz2> <somewhere>/condapkgs/linux-64/
```

Step 4 - Fix the ~/.condarc

Open ~/.condarc in your favorite editor.

Make the "channels" section look like this (it's okay to comment out lines with a "#"):

```
channels:
  - conda-forge
```

There should be no stsci.edu or gemini.edu channels active.

Step 5 - Index your local packages

```
$ conda index <somewhere>/condapkgs
```

Step 6 - Let's install DRAGONS!

```
$ conda create -n dragons_emergency -c <somewhere>/condapkgs/ python=3.10 dragons ds9 "astropy>5.3.0" "bokeh<3"

$ conda activate dragons_emergency
```

To test:

```
$ which reduce   # should contain "dragons_emergency"
```

```
$ reduce -h
$ python
>>> import astrodata
>>> astrodata.__file__
(should contain "dragons_emergency" in the path)
```

Step 6 - Thank your colleague again!