一、IDL 8.4(32bit)Build id: 20140927，需要读者自行解决IDL授权问题，本视频默认读者已经安装好IDL的付功能版本。

二、下载SPEDAS4.1(http://spedas.org/wiki/index.php?title=Downloads_and_Installation)

Download SPEDAS 4.1 (October 2020)

If you have an IDL license, you can download the SPEDAS 4.1 release, which contains the full source code:

* SPEDAS 4.1, IDL source code (~50 MB) ⧉

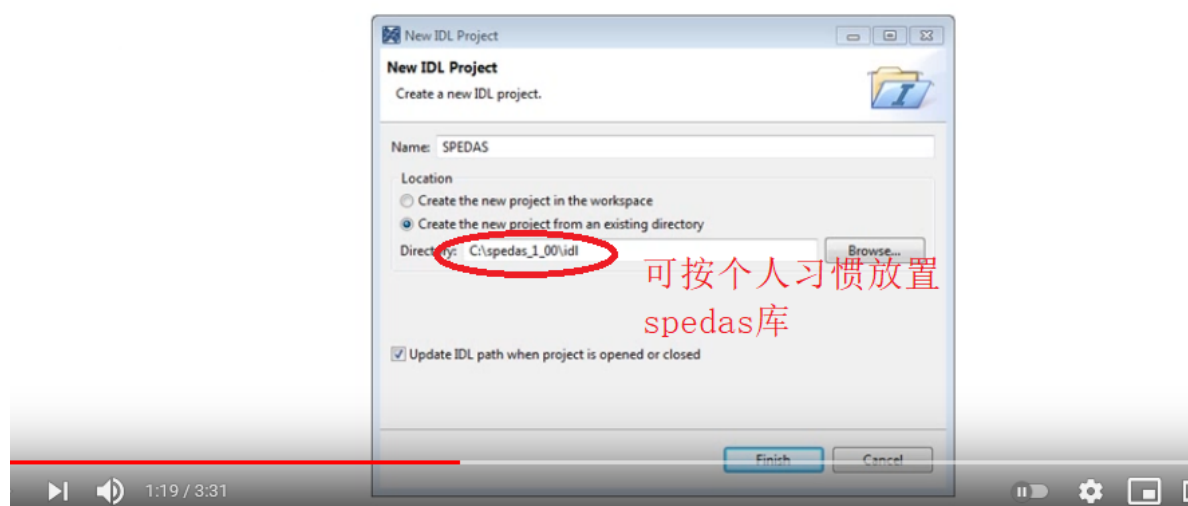Unzip the file you downloaded in a directory of your choice and create a new IDL project that includes this directory.

You may also need to separately download and install the latest CDF DLM from NASA and the latest Geopack DLM -- see below for details.

To start the SPEDAS GUI from the IDL command line, type: **spd_gui**

三、按照上面英文提示，解压源代码并在IDL里面新建一个project，并把解压后的源代码路径包含在该project中，（下图来自官方视频）
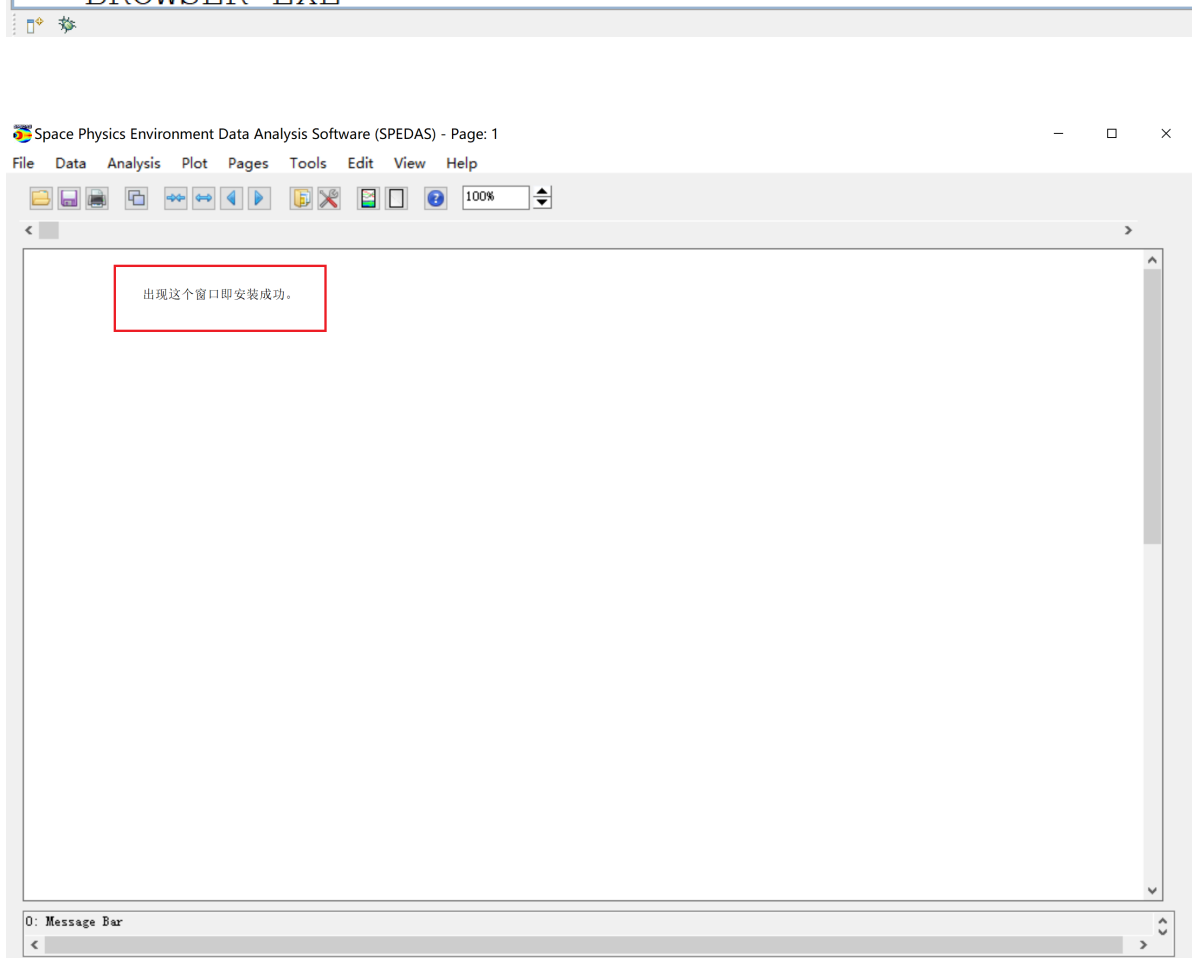
2. SPEDAS Source Code.

- Install IDL.
- Extract files from the zip file.
- Create a new project from existing directory and point it to the idl directory of the unzipped files.

四、在IDL控制台输入 spd_gui,按回车运行，控制台显示完编译信息后弹出SPEDAS的图形操作页面即安装成功。

```
ENVI> spd_gui
% Compiled module: SPD_GUI.
% Compiled module: SPD_UI_SPLASH_WIDGET.
% Compiled module: SPEDAS_INIT.
% Compiled module: SPEDAS_READ_CONFIG.
% Compiled module: SPEDAS_CONFIG_FILEDIR.
% Compiled module: IS_NUMERIC.
% Compiled module: STR_ELEMENT.
% Compiled module: IS_STRING.
Loaded !spedas from saved values.
% Compiled module: DPRINT.

% Compiled module: PRINTDAT.
!spedas =   --(15 Tags/96 Bytes)-->
    BROWSER_EXE        = ''
```


出现这个窗口即安装成功。

五、安装验证

Verify installation: Load data

- To verify that your installation works, follow these steps:
    - Select: File->Load Data
    - In the window that opens, select: Instrument Type "STATE", probe "A", Level 1 "pos".
    - Leave everything else as is and click the arrow in the middle of the window ("Load data selection").
    - If you are connected to the internet and everything works correctly, data will be loaded as shown in the image of the following page.
    - Click "Done".

按照步骤加载 THEMIS-A 卫星的在GEI坐标下的位置信息，并将其绘制出来。

参考链接：

1、[Starting with SPEDAS(官方视频,需要梯子)](#)

2、[spedas wiki](#)

3、[免费屏幕录制软件](#) 特别鸣谢 科技小黑群论坛(http://www.xiaoheiqun.vip/)