
Subject: Re: resample

Posted by [Maxwell Peck](#) on Tue, 29 Jun 2010 09:20:50 GMT

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On Jun 29, 7:02 pm, dolly <gaurijyot...@gmail.com> wrote:

- > I want to use Landsat-5 TM data for getting information like pixel
- > size,number of pixels and number of lines to resample AWiFS data using
- > envi+idl program automatically.
- >
- > Any help would be much appreciated.

Search the help for the following ENVI IDL functions. It should give you all you need.

ENVI_OPEN_FILE

ENVI FILE QUERY

ENVI_GET_MAP_INFO

RESIZE_DOIT

Max

Subject: Re: resample

Posted by [Maxwell Peck](#) on Tue, 29 Jun 2010 09:23:11 GMT

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On Jun 29, 7:20 pm, Maxwell Peck <maxjp...@gmail.com> wrote:

- > On Jun 29, 7:02 pm, dolly <gaurijyot...@gmail.com> wrote:
- >
- >> I want to use Landsat-5 TM data for getting information like pixel
- >> size,number of pixels and number of lines to resample AWiFS data using
- >> envi+idl program automatically.
- >
- >> Any help would be much appreciated.
- >
- > Search the help for the following ENVI IDL functions. It should give
- > you all you need.
- > ENVI_OPEN_FILE
- > ENVI FILE QUERY
- > ENVI_GET_MAP_INFO
- > RESIZE_DOIT
- >
- > Max

That should be ENVI_FILE_QUERY

Subject: resample

Posted by [gaurijyoti29](#) on Wed, 30 Jun 2010 05:09:17 GMT

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Dear Max,

I have done this way

```
envi_open_file, file1, r_fid=_rfid1
envi_file_query, _rfid1, ns=_ns1, nl=_nl1, nb=_nb1, dims=_dims1,
data_type=_datatype1, interleave=_interleave1, xstart=_xstart1,
ystart=_ystart1
_mapinfo1 = envi_get_map_info(fid=_rfid1)
```

```
envi_open_file, file2, r_fid=_rfid2
envi_file_query, _rfid2, ns=_ns2, nl=_nl2, dims=_dims2
_mapinfo2 = envi_get_map_info(fid=_rfid2)
```

```
_xfactor = _mapinfo2.ps[0] / _mapinfo1.ps[0]
_yfactor = _mapinfo2.ps[1] / _mapinfo1.ps[1]
```

```
envi_doit, 'resize_doit', fid=_rfid1, pos=pos1, dims=_dims1, interp=0,
rfact=[_xfactor,_yfactor], r_fid=_rfid2a, out_name=tempfile
```

But the resampled file does not give the same number of pixels and lines corresponding to high resolution image(file2). Kindly suggest me to fix this problem.

Thanks for your help.

Subject: Re: resample

Posted by [Maxwell Peck](#) on Wed, 30 Jun 2010 07:15:55 GMT

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On Jun 30, 3:09 pm, dolly <[gaurijyot...@gmail.com](#)> wrote:

```
> Dear Max,
>
> I have done this way
>
> envi_open_file, file1, r_fid=_rfid1
> envi_file_query, _rfid1, ns=_ns1, nl=_nl1, nb=_nb1, dims=_dims1,
> data_type=_datatype1, interleave=_interleave1, xstart=_xstart1,
> ystart=_ystart1
> _mapinfo1 = envi_get_map_info(fid=_rfid1)
>
> envi_open_file, file2, r_fid=_rfid2
> envi_file_query, _rfid2, ns=_ns2, nl=_nl2, dims=_dims2
> _mapinfo2 = envi_get_map_info(fid=_rfid2)
```

>
> _xfactor = _mapinfo2.ps[0] / _mapinfo1.ps[0]
> _yfactor = _mapinfo2.ps[1] / _mapinfo1.ps[1]
>
> envi_doit, 'resize_doit', fid=_rfid1, pos=pos1, dims=_dims1, interp=0,
> rfact=[_xfactor,_yfactor], r_fid=_rfid2a, out_name=tempfile
>
> But the resampled file does not give the same number of pixels and
> lines corresponding to high resolution image(file2). Kindly suggest me
> to fix this problem.
>
> Thanks for your help.

Now that I think I understand what you want using
ENVI_LAYER_STACKING_DOIT instead is probably a better option for you.
There is a good example in the help.

Max
