# Subject: Pixel Editing and Resizing Posted by Wasit.Weather on Mon, 17 Nov 2008 02:47:02 GMT View Forum Message <> Reply to Message

Hello Everyone,

I have two questions, may be very simple. Forgive me, I am not good at IDL programming.

- 1. How to resize pixel size. Just like with Envi--Basic Tools --Resize Data -- Change the output Pixel Size. not enlarge image. How can I do it by IDL?
- 2. If a pixel is cloudy, I need to search for other 4 pixels around it, and then get the mean of clear ones if there is any, then replace the all 5 pixels with the mean one.

Thanks for your help

Subject: Re: Pixel Editing and Resizing
Posted by pgrigis on Mon, 17 Nov 2008 15:59:32 GMT
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Elkunn wrote:

- > Hello Everyone,
- > I have two questions, may be very simple. Forgive me, I am not good at
- > IDL programming.
- > 1. How to resize pixel size. Just like with Envi--Basic Tools --Resize
- > Data -- Change the output Pixel Size. not enlarge image. How can I do
- > it by IDL?

Pixel size of what?

## Paolo

>

- > 2. If a pixel is cloudy, I need to search for other 4 pixels around
- > it, and then get the mean of clear ones if there is any, then replace
- > the all 5 pixels with the mean one.

> >

> Thanks for your help

Subject: Re: Pixel Editing and Resizing
Posted by Wasit.Weather on Mon, 17 Nov 2008 16:31:03 GMT
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On Nov 17, 9:59 am, Paolo <pgri...@gmail.com> wrote: > Elkunn wrote: >> Hello Everyone, >> I have two questions, may be very simple. Forgive me, I am not good at >> IDL programming. >> 1. How to resize pixel size. Just like with Envi--Basic Tools --Resize >> Data -- Change the output Pixel Size. not enlarge image. How can I do >> it by IDL? > Pixel size of what? > > Paolo > > > >> 2. If a pixel is cloudy, I need to search for other 4 pixels around >> it, and then get the mean of clear ones if there is any, then replace >> the all 5 pixels with the mean one. >> Thanks for your help- Hide quoted text -> - Show quoted text -

Resize the pixel size from 1 km to 5 km.

**Thanks** 

Subject: Re: Pixel Editing and Resizing
Posted by pgrigis on Mon, 17 Nov 2008 16:46:35 GMT
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## Elkunn wrote:

```
>> Elkunn wrote:
>>> Hello Everyone,
>>> I have two questions, may be very simple. Forgive me, I am not good at
>>> IDL programming.
>>> 1. How to resize pixel size. Just like with Envi--Basic Tools --Resize
>>> Data -- Change the output Pixel Size. not enlarge image. How can I do
>>> it by IDL?
>>
>> Pixel size of what?
>>
>> Paolo
>>
```

> Thanks

Subject: Re: Pixel Editing and Resizing
Posted by Wasit.Weather on Sat, 22 Nov 2008 16:47:38 GMT
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```
On Nov 17, 10:46 am, Paolo <pgri...@gmail.com> wrote:

> Elkunn wrote:

>> On Nov 17, 9:59 am, Paolo <pgri...@gmail.com> wrote:

>>> Elkunn wrote:

>>> Hello Everyone,

>>> I have two questions, may be very simple. Forgive me, I am not good at

>>> IDL programming.

>>> 1. How to resizepixelsize. Just like with Envi--Basic Tools --Resize

>>> Data -- Change the outputPixelSize. not enlarge image. How can I do

>>> it by IDL?

>>> Pixelsize of what?

>>> Paolo

>
```

```
>>> 2. If apixelis cloudy, I need to search for other 4 pixels around
>>>> it, and then get the mean of clear ones if there is any, then replace
>>>> the all 5 pixels with the mean one.
>>>> Thanks for your help- Hide quoted text -
>>> - Show quoted text -
>> Resize thepixelsize from 1 km to 5 km.
>
> First you'll have to decide what to do with your 25pixelvalues...
> Average? resampling?
> Check out CONGRID and REBIN.
>
> Cheers,
> Paolo
>
>
>
>
>> Thanks- Hide quoted text -
> - Show quoted text -- Hide quoted text -
> - Show quoted text -
```

#### **Thanks**

First, I want to edit the pixel values, namely, replace neibouring 5 pixels with mean of them.

Then, make a resampling.

Subject: Re: Pixel Editing and Resizing
Posted by guillermo.castilla.ca on Sun, 23 Nov 2008 22:11:18 GMT
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- > Thanks
- > First, I want to edit the pixel values, namely, replace neibouring 5
- > pixels wiht with mean of them.
- > Then, make a resampling.

Look in the ENVI help for a procedure called resize\_doit. You want to use it with the keyword interp=3. This interpolation method (pixel aggregate) is equivalent to computing the mean of the original pixels inside each new coarse pixel.

# Cheers

# Guillermo

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