
Subject: Extraction phenological events

Posted by [Bandrush Barda](#) on Thu, 07 Jun 2012 17:52:38 GMT

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Dear all?

I'm doing phenological study using threshold method in IDL. I have 36 images with 10 days time interval in 2005

(ENVI format). They all have been stacked. I know how to set threshold value on a single image. But I don't know how to set threshold value on multiband image to determine the date when grown season start and end. Start of season is determined a day when NDVI value is return to threshold value in a given year. So what I'd like to ask:

1. How can I set threshold value on multiband image to determine the date when grown season start and end.
2. What kind of procedure and function should I use to extract start and end of season using threshold method on multiband image? The dates when start/end of season occurs are different in every vegetation types. Basically I want to extract one image showing different places are different phenological date. Is there anyone who can help me for this?

Thanks a lot

Subject: Re: Extraction phenological events

Posted by [rogass](#) on Thu, 16 Aug 2012 15:04:26 GMT

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Am Donnerstag, 7. Juni 2012 19:52:38 UTC+2 schrieb Bandrush Barda:

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Hi,
as far as I understood you have a stack of NDVI images. If then I would transfer them to IDL by the export function in the ENVI file menu. then I would apply this:

```
;stack is the name of the variable you have used for export  
sz=size(stack,/dim)  
threshold=0.3; you must set this  
stack ge= threshold  
wh=where(~stack,c)  
if c gt 0 then stack[wh]=!values.f_nan  
stack*=rebin(lindgen(1,1,sz[2]),sz)  
startperiod=min(stack,max=endperiod,/nan,dimension=3)
```

startperiod and endperiod are then two matrices of your spatial extent containing the frame number per pixel when the period has started and ended due to the selected threshold. All elements of the matrices having NAN didn't pass the selected threshold.

Cheers

CR

Subject: Re: Extraction phenological events
Posted by [Dry in water](#) on Sun, 28 Oct 2012 14:14:27 GMT
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Dear all?

Thank you very much. It is very useful post and answers for my phenology study too. I want to make sure that different vegetation types have different thresholds. How to set these different thresholds corresponding to different vegetation types.

Thanks again

Subject: Re: Extraction phenological events
Posted by [saran](#) on Tue, 13 May 2014 08:41:08 GMT
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Dear Allard, the HANTS plugin is unavailable in the code library now.. How can i access it ??

Subject: Re: Extraction phenological events
Posted by [saran](#) on Tue, 13 May 2014 08:42:02 GMT
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The HANTS.zip plugin is unavailable in the code library now.. How to access it ??

saran

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