

---

Subject: Extraction from \*.txt file  
Posted by [d.poreh](#) on Tue, 23 Jun 2015 15:19:32 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Folks,  
Hi,  
I have many \*.txt files like this:

E-SAR IMAGE DATA VOLUME, VERSION 3.1, PRODUCED BY  
GERMAN AEROSPACE CENTER (DLR e.V.)  
MICROWAVES AND RADAR INSTITUTE  
P.O.BOX 11 16  
D-82230 WESSLING, GERMANY  
Volume created on 11-Dec-2007 16:47:13.00  
Copyright (c) 2007 by DLR, all rights reserved.  
Suggestions welcome. Please mail to:  
RADAR: R. Horn, E-Mail: Ralf.Horn@dlr.de  
PROCESSING: R. Scheiber, E-Mail: Rolf.Scheiber@dlr.de  
J. Fischer, E-Mail: Jens.Fischer@dlr.de

=====

SCENE-ID: I06AGRSAR0208X1\_T01  
VOLUME-ID: I06AGRSAR0208X1\_T01\_GTC\_RP-MASTER  
DATE OF RAW DATA ACQUISITION: 19-APR-2006

=====

=====

I.)-VOLUME DESCRIPTION

This volume includes the following files (TOC)

...

And I want to extrct line 15 that says :  
DATE OF RAW DATA ACQUISITION: 19-APR-2006

And i need just (19-APR-2006).  
Any help would be apprecated,  
Thank and have a nice SUMMER :)  
Cheers,  
Dave

---

Subject: Re: Extraction from \*.txt file  
Posted by [David Fanning](#) on Tue, 23 Jun 2015 15:35:19 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

dave poreh writes:

> I have many \*.txt files like this:  
>

> ...  
>  
> And i need just (19-APR-2006).  
> Any help would be appreciated,

What line have you managed to read so far?

Cheers,

David

--

David Fanning, Ph.D.  
Fanning Software Consulting, Inc.  
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

---

---

Subject: Re: Extraction from \*.txt file  
Posted by [d.poreh](#) on Tue, 23 Jun 2015 15:47:37 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On Tuesday, June 23, 2015 at 8:05:22 PM UTC+4:30, David Fanning wrote:

> dave poreh writes:  
>  
>> I have many \*.txt files like this:  
>>  
>> ...  
>>  
>> And i need just (19-APR-2006).  
>> Any help would be appreciated,  
>  
> What line have you managed to read so far?  
>  
> Cheers,  
>  
> David  
> --  
> David Fanning, Ph.D.  
> Fanning Software Consulting, Inc.  
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Hi David,

There are some lines like:

PIXEL SPACING NORTH (DETECTED) [m]: 2.0000000  
PIXEL SPACING NORTH (SLC) [m]: 2.0000000  
PIXEL SPACING EAST (DETECTED) [m]: 2.0000000

PIXEL SPACING EAST (SLC) [m]: 2.0000000  
MINIMUM EASTING DETECTED: 382938.00  
MINIMUM EASTING SLC: 382938.00  
MINIMUM NORTHING DETECTED: 5982280.0  
MINIMUM NORTHING SLC: 5982280.0  
MAXIMUM EASTING DETECTED: 391510.00  
MAXIMUM EASTING SLC: 391510.00  
MAXIMUM NORTHING DETECTED: 5985510.0  
MAXIMUM NORTHING SLC: 5985510.0

That I could read and retrieve the data SO FAR :)

Cheers,

Dave

---

Subject: Re: Extraction from \*.txt file

Posted by [David Fanning](#) on Tue, 23 Jun 2015 16:58:55 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

dave poreh writes:

>  
> On Tuesday, June 23, 2015 at 8:05:22 PM UTC+4:30, David Fanning wrote:  
>> dave poreh writes:  
>>  
>>> I have many \*.txt files like this:  
>>>  
>>> ...  
>>>  
>>> And i need just (19-APR-2006).  
>>> Any help would be appreciated,  
>>  
>> What line have you managed to read so far?  
>>  
>> Cheers,  
>>  
>> David  
>> --  
>> David Fanning, Ph.D.  
>> Fanning Software Consulting, Inc.  
>> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
>> Sepore ma de ni thue. ("Perhaps thou speakest truth.")  
>  
> Hi David,  
> There are some lines like:  
>  
> PIXEL SPACING NORTH (DETECTED) [m]: 2.0000000  
> PIXEL SPACING NORTH (SLC) [m]: 2.0000000

```
> PIXEL SPACING EAST (DETECTED) [m]:  2.0000000
> PIXEL SPACING EAST (SLC) [m]:      2.0000000
> MINIMUM EASTING DETECTED:          382938.00
> MINIMUM EASTING SLC:               382938.00
> MINIMUM NORTHING DETECTED:         5982280.0
> MINIMUM NORTHING SLC:              5982280.0
> MAXIMUM EASTING DETECTED:          391510.00
> MAXIMUM EASTING SLC:               391510.00
> MAXIMUM NORTHING DETECTED:         5985510.0
> MAXIMUM NORTHING SLC:              5985510.0
>
> That I could read and retrieve the data SO FAR :)
```

Well, keep going! You are almost to the line you want! How are you going to tell when you get there?

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")

---

Subject: Re: Extraction from \*.txt file  
Posted by [Paul Van Delst\[1\]](#) on Tue, 23 Jun 2015 17:49:48 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hello,

I created a three pretend files based on your snippet below, and changed the dates.

I would use something other than IDL as a preprocessor on your text files.

Rather than IDL, I would use grep:

```
$ grep "DATE OF RAW DATA ACQUISITION" *.txt
blah1.txt:DATE OF RAW DATA ACQUISITION: 19-APR-2006
blah2.txt:DATE OF RAW DATA ACQUISITION: 20-APR-2006
blah3.txt:DATE OF RAW DATA ACQUISITION: 21-APR-2006
```

If you just want the dates:

```
$ grep "DATE OF RAW DATA ACQUISITION" *.txt | cut -d":" -f3
19-APR-2006
20-APR-2006
21-APR-2006
```

If you want filenames and dates:

```
$ grep "DATE OF RAW DATA ACQUISITION" *.txt | cut -d":" -f1,3
blah1.txt: 19-APR-2006
blah2.txt: 20-APR-2006
blah3.txt: 21-APR-2006
```

You could use this to save to a "control" file, doing something like:

```
$ grep "DATE OF ...." *.txt | cut -d":" -f1,3 > ctrl.dat
```

And you can read "ctrl.dat" simply in IDL -- since you want every line, right?

cheers,

paulv

On 06/23/15 11:19, dave poreh wrote:

```
> Folks,
> Hi,
> I have many *.txt files like this:
>
> E-SAR IMAGE DATA VOLUME, VERSION 3.1, PRODUCED BY
> GERMAN AEROSPACE CENTER (DLR e.V.)
> MICROWAVES AND RADAR INSTITUTE
> P.O.BOX 11 16
> D-82230 WESSLING, GERMANY
> Volume created on 11-Dec-2007 16:47:13.00
> Copyright (c) 2007 by DLR, all rights reserved.
> Suggestions welcome. Please mail to:
> RADAR:    R. Horn,    E-Mail: Ralf.Horn@dlr.de
> PROCESSING: R. Scheiber, E-Mail: Rolf.Scheiber@dlr.de
>          J. Fischer, E-Mail: Jens.Fischer@dlr.de
> =====
> =====
> SCENE-ID: I06AGRSAR0208X1_T01
> VOLUME-ID: I06AGRSAR0208X1_T01_GTC_RP-MASTER
> DATE OF RAW DATA ACQUISITION: 19-APR-2006
> =====
> =====
> I.)-VOLUME DESCRIPTION
```

> This volume includes the following files (TOC)  
> ...  
>  
> And I want to extract line 15 that says :  
> DATE OF RAW DATA ACQUISITION: 19-APR-2006  
>  
> And I need just (19-APR-2006).  
> Any help would be appreciated,  
> Thank and have a nice SUMMER :)  
> Cheers,  
> Dave  
>

---

---

Subject: Re: Extraction from \*.txt file  
Posted by [d.poreh](#) on Wed, 24 Jun 2015 07:01:27 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On Wednesday, June 24, 2015 at 2:34:07 AM UTC+4:30, alx wrote:

> Le mardi 23 juin 2015 19:49:53 UTC+2, Paul van Delst a écrit :  
>> Hello,  
>>  
>> I created a three pretend files based on your snippet below, and changed  
>> the dates.  
>>  
>> I would use something other than IDL as a preprocessor on your text files.  
>>  
>> Rather than IDL, I would use grep:  
>>  
>> \$ grep "DATE OF RAW DATA ACQUISITION" \*.txt  
>> blah1.txt:DATE OF RAW DATA ACQUISITION: 19-APR-2006  
>> blah2.txt:DATE OF RAW DATA ACQUISITION: 20-APR-2006  
>> blah3.txt:DATE OF RAW DATA ACQUISITION: 21-APR-2006  
>>  
>> If you just want the dates:  
>>  
>> \$ grep "DATE OF RAW DATA ACQUISITION" \*.txt | cut -d":" -f3  
>> 19-APR-2006  
>> 20-APR-2006  
>> 21-APR-2006  
>>  
>> If you want filenames and dates:  
>>  
>> \$ grep "DATE OF RAW DATA ACQUISITION" \*.txt | cut -d":" -f1,3  
>> blah1.txt: 19-APR-2006  
>> blah2.txt: 20-APR-2006  
>> blah3.txt: 21-APR-2006  
>>

```

>> You could use this to save to a "control" file, doing something like:
>>
>> $ grep "DATE OF ...." *.txt | cut -d":" -f1,3 > ctrl.dat
>>
>> And you can read "ctrl.dat" simply in IDL -- since you want every line,
>> right?
>>
>> cheers,
>>
>> paulv
>>
>>
>> On 06/23/15 11:19, dave poreh wrote:
>>> Folks,
>>> Hi,
>>> I have many *.txt files like this:
>>>
>>> E-SAR IMAGE DATA VOLUME, VERSION 3.1, PRODUCED BY
>>> GERMAN AEROSPACE CENTER (DLR e.V.)
>>> MICROWAVES AND RADAR INSTITUTE
>>> P.O.BOX 11 16
>>> D-82230 WESSLING, GERMANY
>>> Volume created on 11-Dec-2007 16:47:13.00
>>> Copyright (c) 2007 by DLR, all rights reserved.
>>> Suggestions welcome. Please mail to:
>>> RADAR: R. Horn, E-Mail: Ralf.Horn@dlr.de
>>> PROCESSING: R. Scheiber, E-Mail: Rolf.Scheiber@dlr.de
>>> J. Fischer, E-Mail: Jens.Fischer@dlr.de
>>> =====
>>> =====
>>> SCENE-ID: I06AGRSAR0208X1_T01
>>> VOLUME-ID: I06AGRSAR0208X1_T01_GTC_RP-MASTER
>>> DATE OF RAW DATA ACQUISITION: 19-APR-2006
>>> =====
>>> =====
>>> I.)-VOLUME DESCRIPTION
>>> This volume includes the following files (TOC)
>>> ...
>>>
>>> And I want to extrct line 15 that says :
>>> DATE OF RAW DATA ACQUISITION: 19-APR-2006
>>>
>>> And i need just (19-APR-2006).
>>> Any help would be apprecated,
>>> Thank and have a nice SUMMER :)
>>> Cheers,
>>> Dave
>>>

```

>  
> If you are using Windows, you don't have "grep". But you still have IDL !  
>  
> Assume yourfile is a string containing the name of your text file.  
> First, you can put its content into a string array:  
>  
> IDL> s = strarr(File\_Lines(yourfile))  
> IDL> openR, lun, /GET\_LUN, yourfile & readF, lun, s & Free\_LUN, lun  
>  
> Then, to achieve your goal:  
>  
> Find the line containing the desired signature:  
>  
> IDL> w = where(Strpos(s, 'DATE OF RAW DATA ACQUISITION') ge 0))  
>  
> Extract the relevant data:  
>  
> IDL> data = (StrSplit(s[w], ':', /EXTRACT))[-1]  
>  
> If you want to have result converted to binary:  
>  
> IDL> data = 0.0  
> IDL> reads, (StrSplit(s[w], ':', /EXTRACT))[-1], data  
>  
> Hoping that this can help,  
> alx.

Thanks guys :). That is brilliant Alx; working like a charm. Yes I do not have "grep", so I prefer IDL ways :).

Cheers,

---

---

Subject: OT...Re: Extraction from \*.txt file

Posted by [Paul Van Delst\[1\]](#) on Wed, 24 Jun 2015 14:23:56 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

On 06/23/15 18:04, alx wrote:

>  
> If you are using Windows, you don't have "grep". But you still have IDL !  
>

Windows doesn't have grep (or something like it) ?!?!?

(Jaw drops open. Shut mouth with hand)

This will (may) only be funny to folks familiar with Seinfeld but, to paraphrase Elaine: I don't know how you guys walk around with those things.

:oD



cheers,

paulv

---

---

Subject: Re: OT...Re: Extraction from \*.txt file  
Posted by [David Fanning](#) on Wed, 24 Jun 2015 14:27:04 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Paul van Delst writes:

>  
> On 06/23/15 18:04, alx wrote:  
>>  
>> If you are using Windows, you don't have "grep". But you still have IDL !  
>>  
>  
> Windows doesn't have grep (or something like it) ?!?!?  
>  
> (Jaw drops open. Shut mouth with hand)  
>  
> This will (may) only be funny to folks familiar with Seinfeld but, to  
> paraphrase Elaine: I don't know how you guys walk around with those things.  
>  
> :oD

I've used Windows Grep for years. Works great.

<http://www.wingrep.com/download.htm>

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")

---

---

Subject: Re: OT...Re: Extraction from \*.txt file  
Posted by [lecacheux.alain](#) on Wed, 24 Jun 2015 21:14:53 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Le mercredi 24 juin 2015 16:27:07 UTC+2, David Fanning a écrit :

> Paul van Delst writes:

>  
>>  
>> On 06/23/15 18:04, alx wrote:  
>>>  
>>> If you are using Windows, you don't have "grep". But you still have IDL !  
>>>  
>>  
>> Windows doesn't have grep (or something like it) ?!?!?  
>>  
>> (Jaw drops open. Shut mouth with hand)  
>>  
>> This will (may) only be funny to folks familiar with Seinfeld but, to  
>> paraphrase Elaine: I don't know how you guys walk around with those things.  
>>  
>> :oD  
>  
> I've used Windows Grep for years. Works great.  
>  
> <http://www.wingrep.com/download.htm>  
>  
> Cheers,  
>  
> David  
> --  
> David Fanning, Ph.D.  
> Fanning Software Consulting, Inc.  
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>  
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Grep exists in Windows. Great !  
Also in MSDOS, I guess.  
But, frankly speaking, I did not know because, those days, I never need for it ...  
alx.

---