
Subject: UTC to local time or local time to UTC Conversion

Posted by [siumtesfai](#) on Thu, 29 Jun 2017 22:35:49 GMT

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

Hello

I have two dataset with UTC time and local time.

I want to make consistent time format. Change both to local time or Utc time format.

Example local time format (-yyyy-mm-dd hr:min:sec)

```
-2008-05-15 14:14:28 -2008-05-15 14:14:43 -2008-05-15 14:14:58 -2008-05-15 14:15:13
-2008-05-15 14:15:28
-2008-05-15 14:15:43 -2008-05-15 14:15:58 -2008-05-15 14:16:13 -2008-05-15 14:16:28
-2008-05-15 14:17:14
-2008-05-15 14:17:29 -2008-05-15 14:17:44 -2008-05-15 14:17:59 -2008-05-15 14:18:14
-2008-05-15 14:18:29
-2008-05-15 14:18:44 -2008-05-15 14:18:59 -2008-05-15 14:19:14 -2008-05-15 14:19:29
-2008-05-15 14:19:44
```

If I used Eastern day time saving , local time = UTC - 4hr

Best regards

Sium

Subject: Re: UTC to local time or local time to UTC Conversion

Posted by [wlandsman](#) on Fri, 30 Jun 2017 14:57:46 GMT

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

I would look at the IDL routines for converting between UTC numeric values and ISO-8601 strings

<https://www.harrisgeospatial.com/docs/timestamptovalues.html>

<https://www.harrisgeospatial.com/docs/timestamp.html>

Your strings are not in the ISO-8601 standard but they are very close to it. I think the following commands converts them to ISO-8601

```
IDL> a = ['-2008-05-15 14:14:28', '-2008-05-15 14:14:43', '-2008-05-15 14:14:58', '-2008-05-15
14:15:13', '-2008-05-15 14:15:28']
IDL> strput,a,'T',11
IDL> a = strmid(a,1)
```

--Wayne

On Thursday, June 29, 2017 at 6:35:53 PM UTC-4, Sium T wrote:

> Hello

>

> I have two dataset with UTC time and local time.

>

> I want to make consistent time format. Change both to local time or Utc time format.

>

> Example local time format (-yyyy-mm-dd hr:min:sec)

>

> -2008-05-15 14:14:28 -2008-05-15 14:14:43 -2008-05-15 14:14:58 -2008-05-15 14:15:13
-2008-05-15 14:15:28

> -2008-05-15 14:15:43 -2008-05-15 14:15:58 -2008-05-15 14:16:13 -2008-05-15 14:16:28
-2008-05-15 14:17:14

> -2008-05-15 14:17:29 -2008-05-15 14:17:44 -2008-05-15 14:17:59 -2008-05-15 14:18:14
-2008-05-15 14:18:29

> -2008-05-15 14:18:44 -2008-05-15 14:18:59 -2008-05-15 14:19:14 -2008-05-15 14:19:29
-2008-05-15 14:19:44

>

> If I used Eastern day time saving , local time = UTC - 4hr

>

>

> Best regards

>

> Sium