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Subject: Re: Error in function js2ymds (JHU/APL/S1R IDL Lib)?

Posted by [R.Bauer](#) on Fri, 14 Sep 2001 10:14:14 GMT

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Olaf Stetzer wrote:

>

> Reimar Bauer schrieb:

>>

>> Olaf Stetzer wrote:

>>>

>>> Hello,

>>>

>>> as mentioned in my last posting I want to convert

>>> Date/Time from Microsoft(Excel)-Format (based on

>>> 1.1.1900= day 1) into Julian Seconds and then from JS

>>> into the ODBC-SQL-TIMESTAMP-struct.

>>>

>>> For the last conversion I've written a function

>>> which basically runs js2ymds to get the values

>>> for y m d and then computes hh mm ss from the

>>> resulting seconds.

>>>

>>> All values are then stored in the aforementioned struct.

>>>

>>> I now tried to compute the js from MS-Format and then

>>> use my function to store this in the sqlstruct:

>>> ---

>>> function mstime2sqlts, msdate, mstime

>>>

>>> jsdate=(msdate-1)\*86400d0-3155673600d0

>>> js=mstime\*86400d0+jsdate

>>> sqlts=js2sqlts(js)

>>> return, sqlts

>>>

>>> end

>>> ---

>>

>> Dear Olaf,

>>

>> We are calculating the jstime from Microsoft special time in this way

>>

>> js\_time= mstime\*24d\*3600+xls2js(msdates)

>>

>

> Are you sure that this function is aware of the 29.2.1900-bug in

> ms-date? By looking at the code for xls2js I am not sure about this!

>

> Olaf

>

I have tested it with some of your data and I got the right days back.  
And the routine is tested since 1998 many time by others too.

Reimar

--

Reimar Bauer

Institut fuer Stratosphaerische Chemie (ICG-1)

Forschungszentrum Juelich

email: R.Bauer@fz-juelich.de

<http://www.fz-juelich.de/icg/icg1/>

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a IDL library at ForschungsZentrum Juelich

[http://www.fz-juelich.de/icg/icg1/idl\\_icglib/idl\\_lib\\_intro.html](http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.html)

<http://www.fz-juelich.de/zb/text/publikation/juel3786.html>

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read something about linux / windows

<http://www.suse.de/de/news/hotnews/MS.html>

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