Dear IDLers,

I'm looking for an explanation of an odd file time thing. A few days
ago I saved a file on my Windows computer at 23:56 (mins:secs). The
modified-time shown in the file properties matches exactly. The
structure returned by the FILE_INFO function shows 2 hours less in the
MTIME tag, since it is based on UTC. My computer is set to "W. Europe
Daylight Time". The command "print,SYSTIME(0,INFO.MTIME)" (where INFO
is the result from FILE_INFO) shows exactly the right time.

So far so good. However, there is another file, I saved on a day in
last december at 23:30. The file properties show 00:30 of the next
day. Looks like Windows is a little bit stupid, saved the UTC-time in
December and now calculates the local time according to the daylight
saving time.

But the explanation does not seem to be so easy. The MTIME tag from
the FILE_INFO structure results in 23:30. It would expect 22:30,
because it's UTC. The SYSTIME function (without UTC-keyword) shows
01:30 of the next day. The SYSTIME function considers 2 hours
difference because now is daylight saving time. This would explain an
error of 1 hour, but not 2 hours.

The question is, why is the MTIME value 1 hour to great?

For a better overview, here are the time values in a table:

	File from October	File from December
My clock	2014-10-05 23:56:41	2013-12-19 23:30:03
File properties	2014-10-05 23:56:41	2013-12-20 00:30:04
MTIME (UTC)	2014-10-05 21:56:41	2013-12-19 23:30:04
SYSTIME(...)	2014-10-05 23:56:41	2013-12-20 01:30:04

Cheers, Heinz