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Subject: Re: Seconds to UTC date

Posted by [Mike Wallace](#) on Sun, 06 Aug 2006 02:14:06 GMT

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There's probably a cleaner solution out there, but here's something that may get you on the right track.

```
; seconds and milliseconds portions of the time to convert
```

```
seconds = 1000000000
```

```
millis = 123
```

```
; convert the seconds to a julian day
```

```
ts = bin_date(systime(0, seconds, /UTC)
```

```
jd = julday(ts[1], ts[2], ts[0], ts[3], ts[4], ts[5])
```

```
; add the milliseconds fraction to the JD
```

```
jd += millis / 86400000.0
```

```
; display the JD values
```

```
fmt = '(C(CDI, X, CMoA, X, CYI, X, CHI2.2, ":", CMI2.2, ":", CSF6.3))'
```

```
print, jd, FORMAT = fmt
```

Running this little test program displays...

3 Mar 1973 09:46:40.123

-Mike

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