Kepler - Bug #5253

SpanToDT timestamp bug

12/08/2010 05:27 PM - Derik Barseghian

Status:	Resolved	**Start date:**	12/08/2010
Priority:	Normal	**Due date:**	
Assignee:	Daniel Crawl	**% Done:**	0%
Category:	sensor-view	**Estimated time:**	0.00 hour
Target version:	sensor-view-0.9.0	**Spent time:**	0.00 hour
Bugzilla-Id:	5253		

Description

SpanToDT has a bug that Dan and I tracked down today. DataTurbine outputs errors like:

```
Cannot add frame to gpp, it starts before the end of the previous frame.
       End of previous frame: 1.291854708E9    Start of new frame: 1.291854679E9
```

This is because a line in PeriodicReadFullMetadataThread uses the system that's running SpanToDT's clock:
SpanMetadata.SensorMetadata metadata = new SpanMetadata.SensorMetadata(fullName, new Date(), sensorMetadata);

derik_: why's that line using a new Date()? shouldn't it just use the corresponding sensor date?
crawl: SpanToDT periodically queries all the metadata for each sensor, the frequency set by that arg
crawl: in this case it comes from the control port, not the live metadata port
crawl: the fix is to use the timestamp in the response

History

#1 - 02/14/2011 01:45 PM - Derik Barseghian

changing bugs from REAP to Kepler product

#2 - 02/23/2011 03:54 PM - Daniel Crawl

This was fixed in r26493.

#3 - 04/04/2011 11:28 AM - Derik Barseghian

I still get this error sometimes, e.g.

```
459 &lt;01-Apr-2011 Pacific Daylight Time 13:21:44.088&gt; &lt;gpp&gt;
    460    Reconnected with the following channels:
    461         CR800_Batt_Volt
    462         CR800_Batt_Volt_metadata
    463         CR800_sq311_1
    464         CR800_sq311_1_metadata
    465         CR800_sq311_2
    466         CR800_sq311_2_metadata
    467 &lt;01-Apr-2011 Pacific Daylight Time 13:22:42.118&gt; &lt;gpp&gt;
    468    Cannot add frame to gpp, it starts before the end of the previous frame.
    469         End of previous frame: 1.30171450367E9  Start of new frame: 1.301714502709E9
```

#4 - 04/12/2011 03:02 PM - Daniel Crawl

This appears to be fixed by inserting data and metadata as separate sources.

#5 - 03/27/2013 02:29 PM - Redmine Admin

Original Bugzilla ID was 5253