

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 <01-Apr-2011 Pacific Daylight Time 13:21:44.088> <gpp>  
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 <01-Apr-2011 Pacific Daylight Time 13:22:42.118> <gpp>  
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