

## OsmoPCU - Bug #3290

### osmo-pcu runtime errors due to clock drift in gprs\_rlcmac\_meas.cpp

05/25/2018 12:49 PM - stsp

<b>Status:</b> Closed	<b>Start date:</b> 05/25/2018
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b> stsp	<b>% Done:</b> 0%
<b>Category:</b>	
<b>Target version:</b>	
<b>Spec Reference:</b>	
<b>Description</b>	
<p>The first jenkins verification run of <a href="https://gerrit.osmocom.org/#/c/osmo-pcu/+9301/">https://gerrit.osmocom.org/#/c/osmo-pcu/+9301/</a> failed because the subtraction of two struct timevals lead to a negative number even though it should not:</p> <pre>(02:34:07 PM) stsp_: this failure in osmo-pcu jenkins looks like clock skew: +../..../src/gprs_rlcmac_meas.cpp:178:40: runtime error: left shift of negative value -999116 (02:34:20 PM) stsp_: also here: +../..../src/gprs_rlcmac_meas.cpp:134:42: runtime error: left shift of negative value -999039</pre> <p>Given the implicit assumption made in this code that time won't ever go backwards, it seems this code really wants to be using <code>clock_gettime</code> with <code>CLOCK_MONOTONIC</code> instead of <code>gettimeofday()</code>.</p>	
<b>Related issues:</b>	
Is duplicate of OsmoPCU - Bug #3225: osmo-pcu: runtime error: left shift of n...	<b>Resolved</b> <b>05/02/2018</b>

#### History

##### #1 - 05/25/2018 12:58 PM - pespin

- Is duplicate of Bug #3225: osmo-pcu: runtime error: left shift of negative value in gprs\_rlcmac\_rssi added

##### #2 - 05/25/2018 01:02 PM - stsp

- Status changed from New to Closed

Closing this issue since it is a duplicate of [#3225](#).