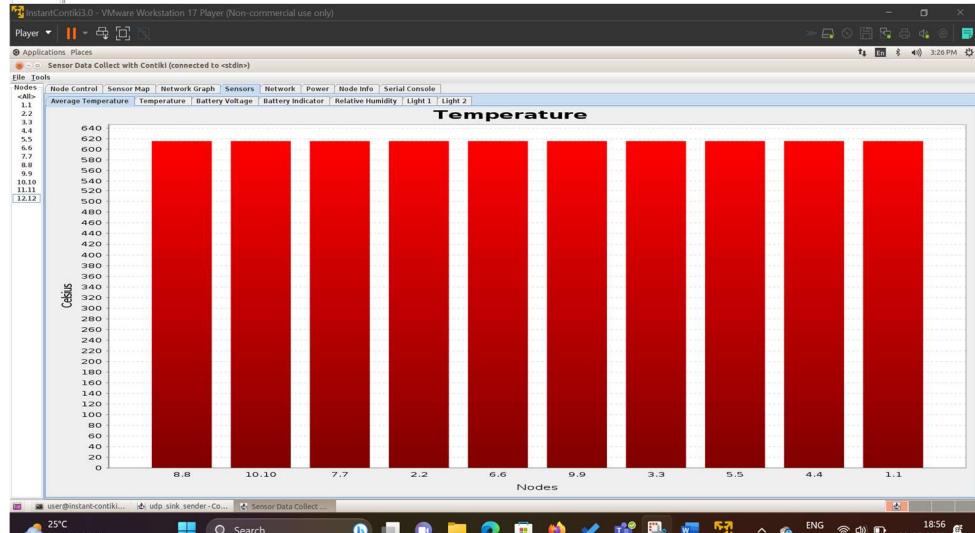
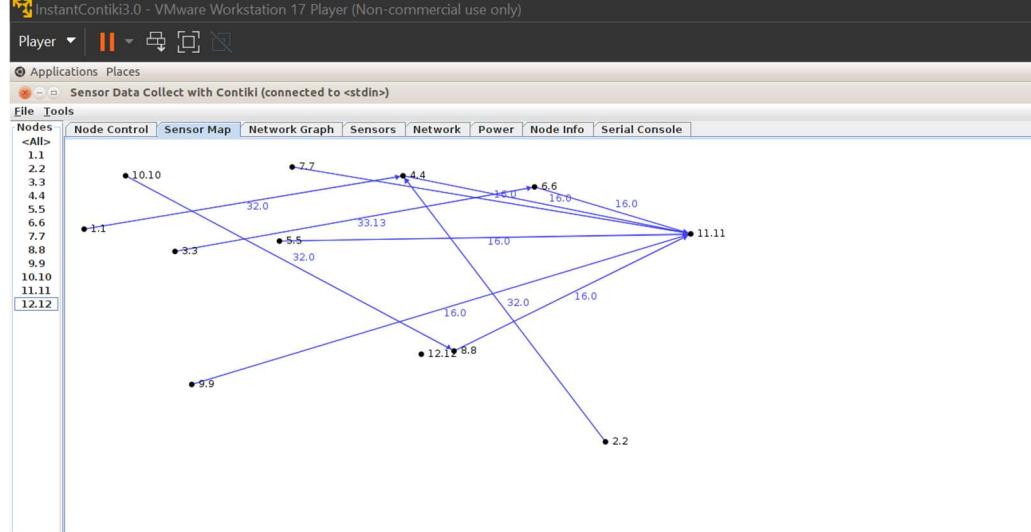
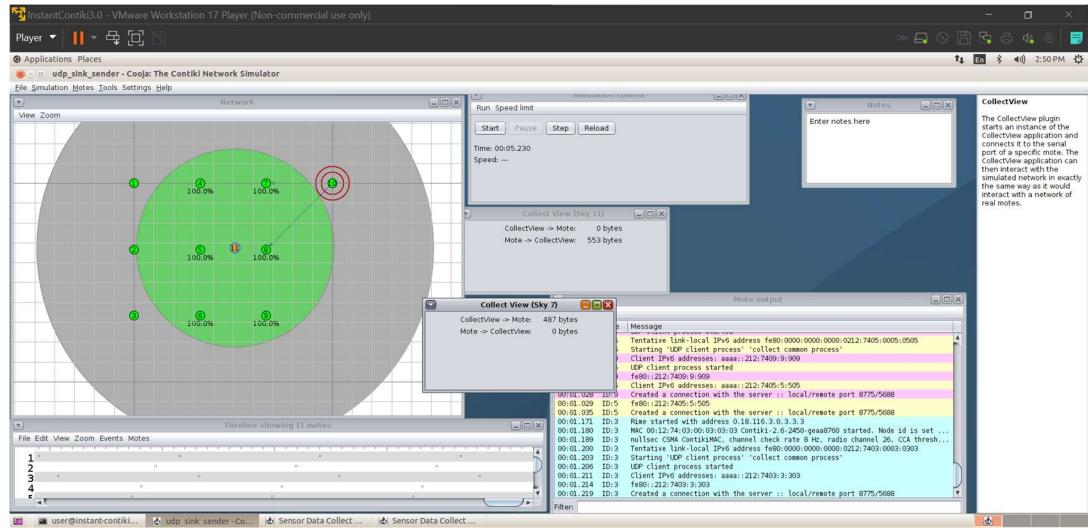
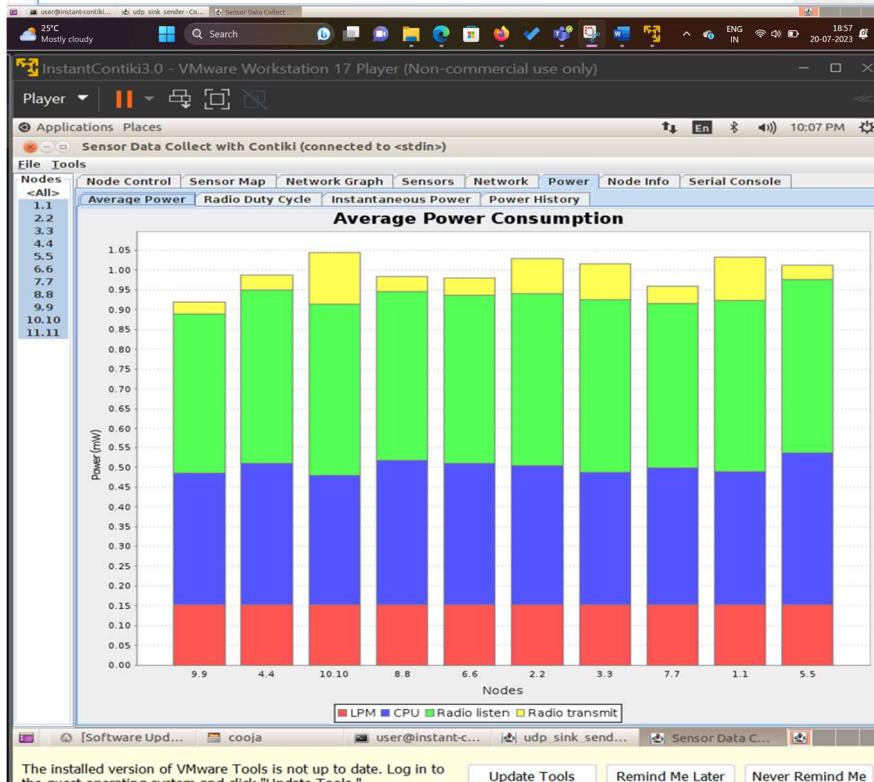


CHANDANA DONGRE_PES2UG21CS134

1. Collect View



Sensor Data Collect with Contiki (connected to <stdin>)																								
File	Tools	Sensor Data Collect with Contiki (connected to <stdin>)																						
Nodes	Node Control	Sensor Map	Network Graph	Sensors	Network	Power	Node Info	Serial Console																
<All>																								
1.1									0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
2.2									0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
3.3									0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
4.4									0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
5.5									0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
6.6									0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
7.7									0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
8.8									0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
9.9									0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
10.10									0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
11.11									0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
12.12									0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Avg									3.000	0.000	0.000	1.400	0.200	0.067	22....	0.000	3 min, 16 sec.	0.000	0.420	0.150	0.522	0.200	1.293	0 min, 1 sec.
																		0.869	0.376	0 min, 41 sec.	0 min, 25 sec.	3 min,	25 sec.	

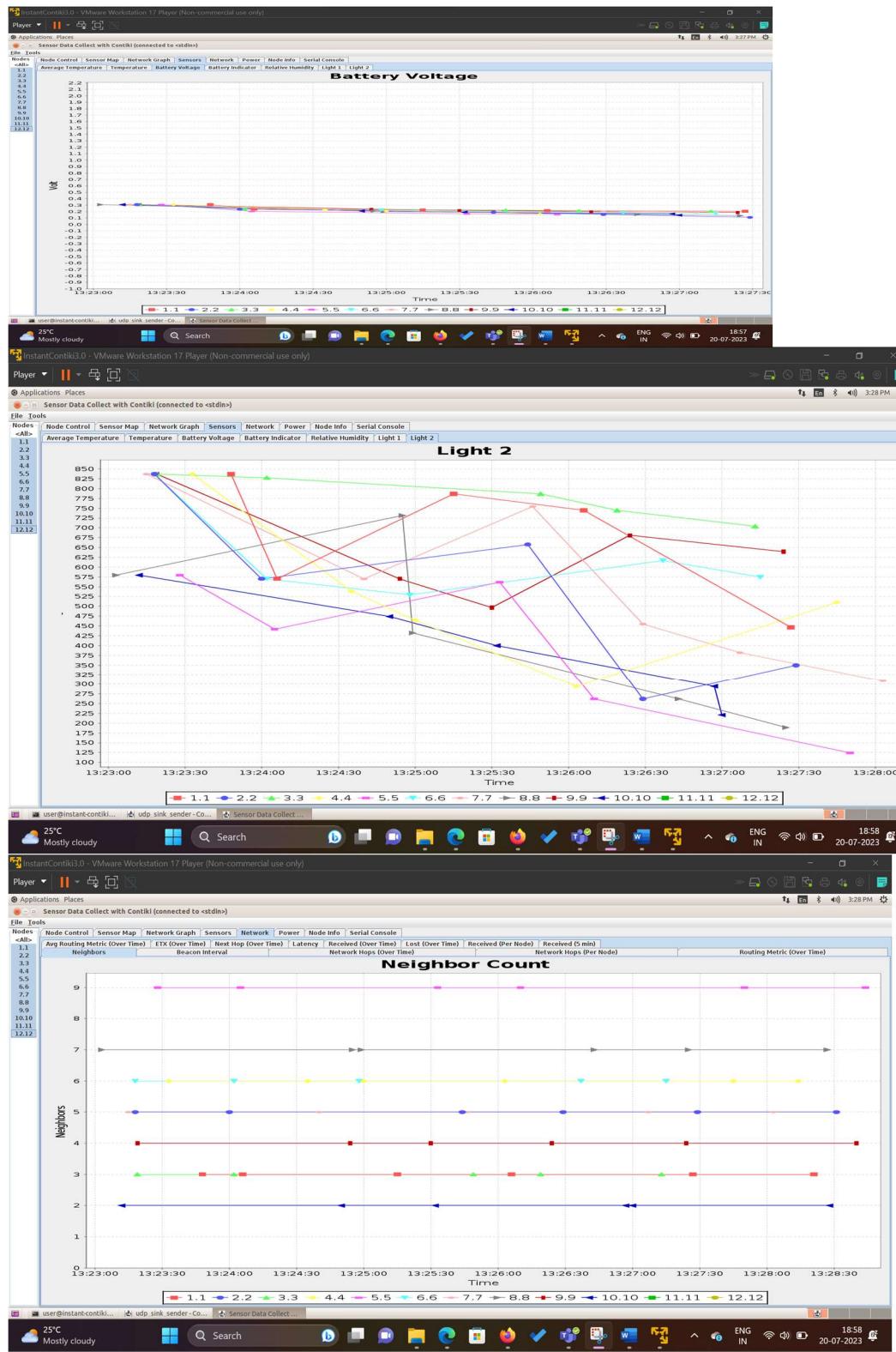


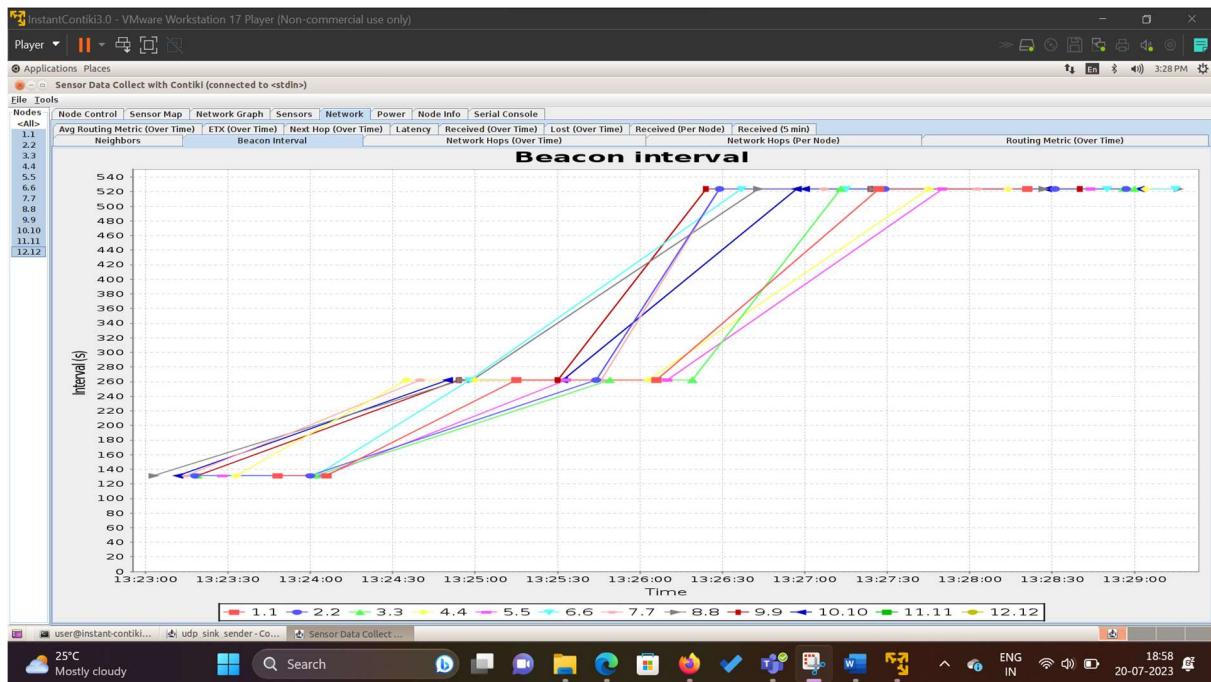
The installed version of VMware Tools is not up to date. Log in to the guest operating system and click "Update Tools."

File Tools Sensor Data Collect with Contiki (connected to <stdin>)

```
*** Serial console listening on <stdin> ***
SEND: netcmd { repeat 0 60 { randwait 60 collect-view-data | send 31 } }

1.1
SEND: netcmd { repeat 0 60 { randwait 60 collect-view-data | send 31 } }
I am sink!
3.3
SEND: ~K
4.4
SEND: killall
5.5
SEND: mac 0
6.6
mac: turned MAC off (keeping radio on): ContikiMAC
SEND: time 1689859495 | null
7.7
Time offset set to 36051.07813
8.8
SEND: collect | timestamp | binprint &
9.9
10.10
11.11
12.12
```





2.Powertrace

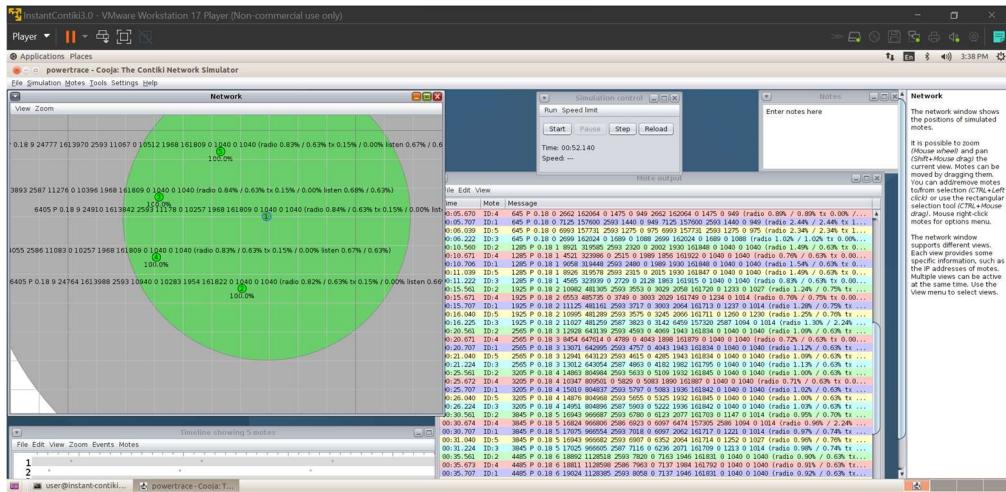
Screenshot of the InstantContiki3.0 - VMware Workstation 17 Player interface showing the 'hello-world.c' file in a text editor. The code is a simple Contiki application demonstrating powertrace. It includes comments about the Contiki operating system and its liability disclaimer.

```

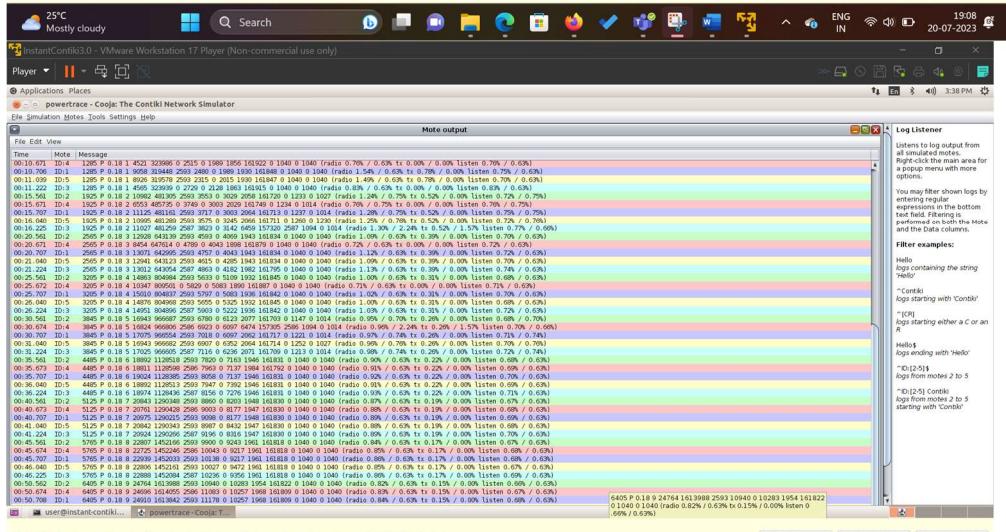
/*
 * UNINTENDED CONSEQUENCES, OR NOT CAUSED BY NEGLIGENCE OR OTHERWISE
 * OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
 * HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
 * LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
 * OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
 * SUCH DAMAGE.
 *
 * This file is part of the Contiki operating system.
 */
/** \file
 * \author A very simple Contiki application showing how Contiki programs look
 * Adam Dunkels <adams@sics.se>
 */
#include "contiki.h"
#include "powertrace.h"
#include <stdio.h> /* For printf() */
PROCESS(hello_world_process, "Hello world process");
AUTOSTART_PROCESSES(&hello_world_process);
PROCESS_THREAD(hello_world_process, ev, data)
{
    PROCESS_BEGIN();
    powertrace_start(CLOCK_SECOND*5);
    printf("hello\n");
    PROCESS_END();
}
*/

```

The interface also shows a 'powertrace - Cooja: The Contiki Network Simulator' window and a 'Makefile' window below the main terminal window.



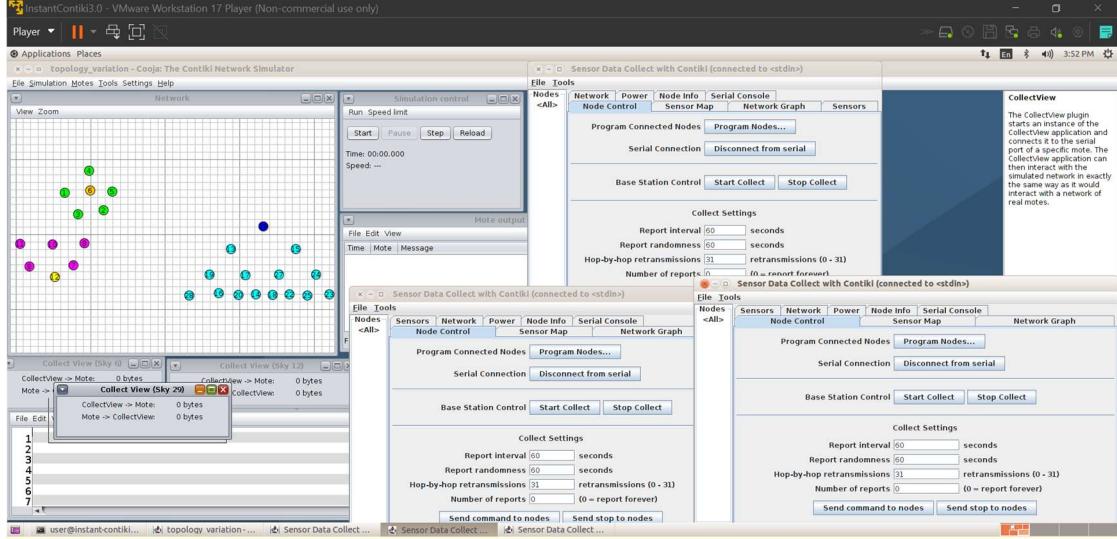
The installed version of VMware Tools is not up to date. Log in to the guest operating system and click "Update Tools."



The installed version of VMware Tools is not up to date. Log in to the guest operating system and click "Update Tools."

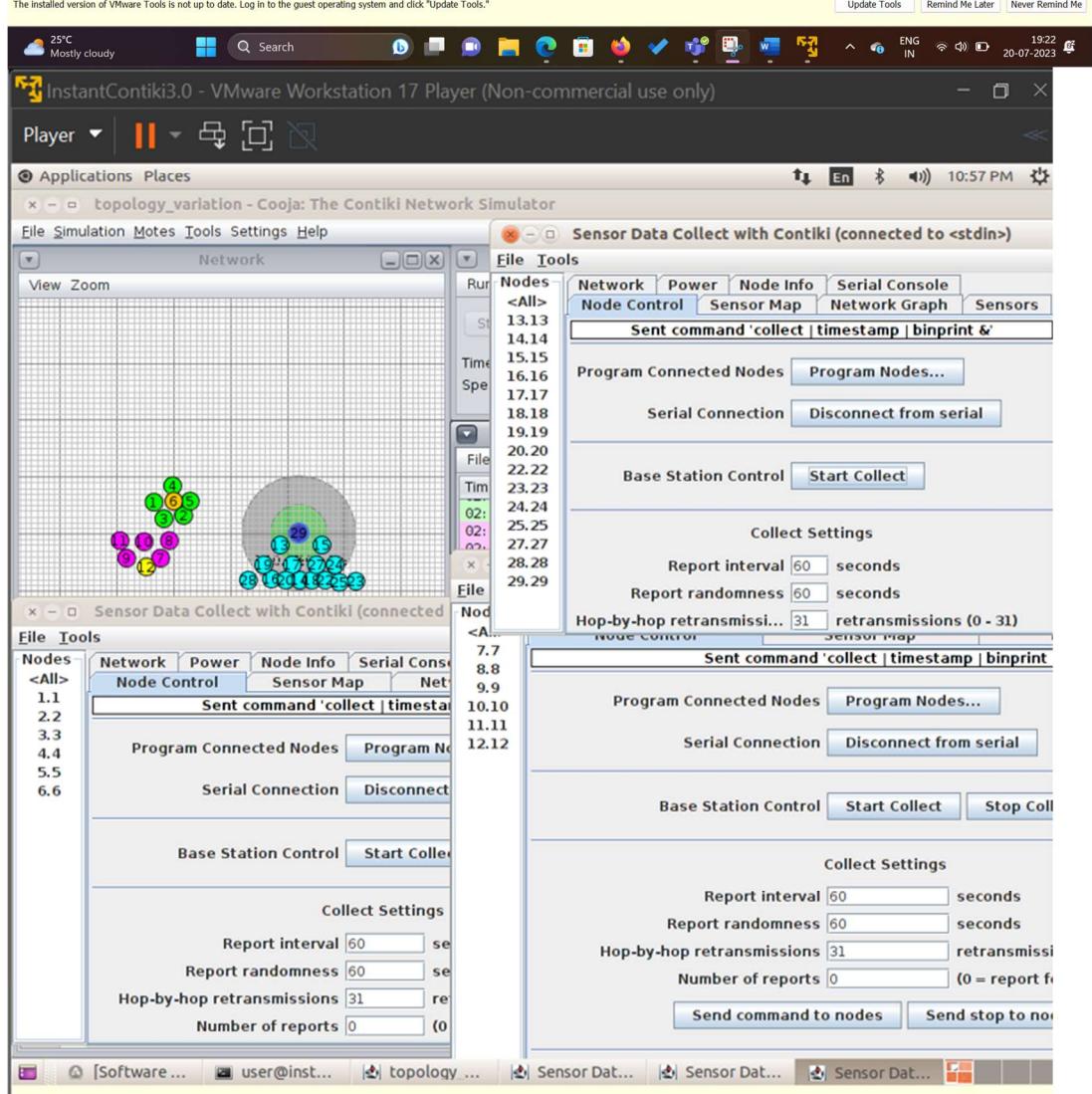
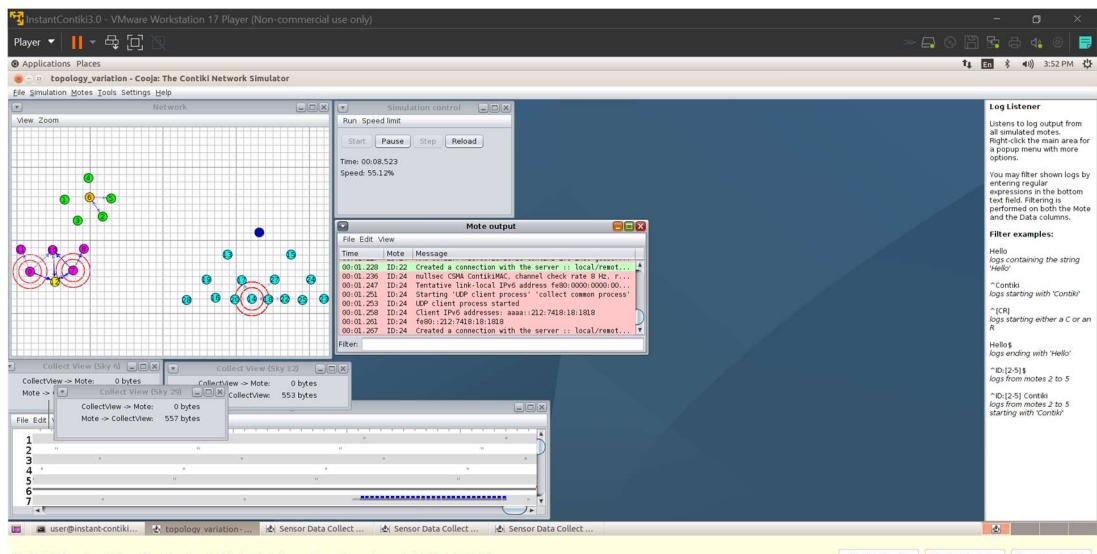


3. Topology - Tree, Star & Mesh



The installed version of VMware Tools is not up to date. Log in to the guest operating system and click "Update Tools."

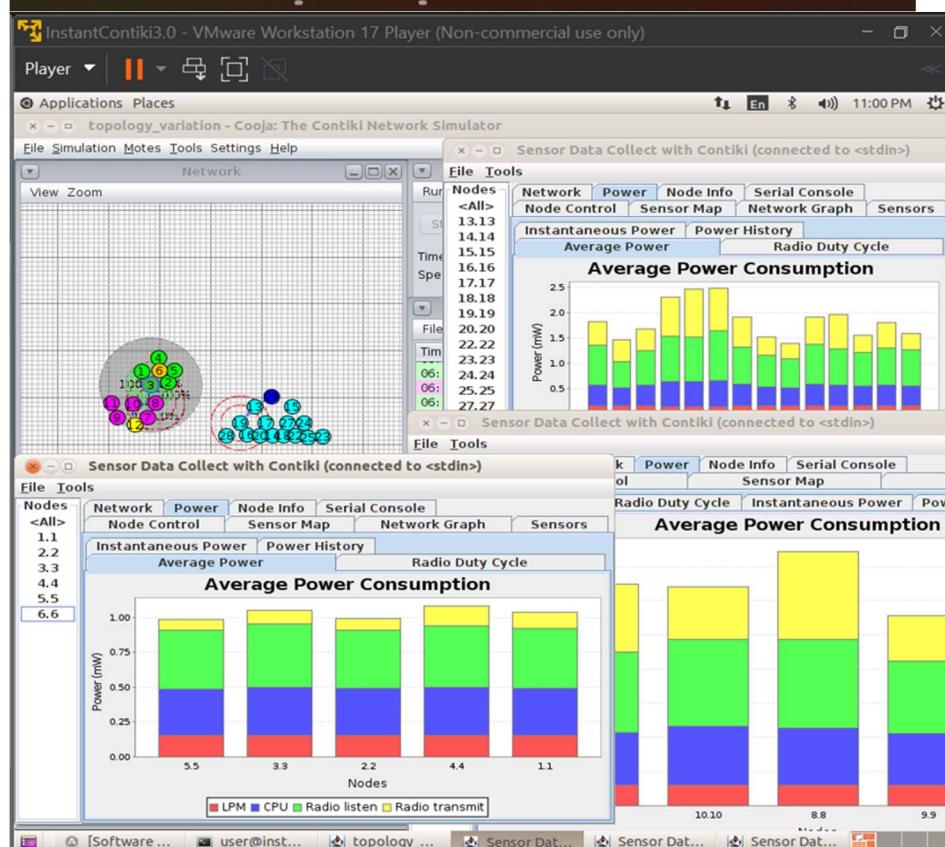
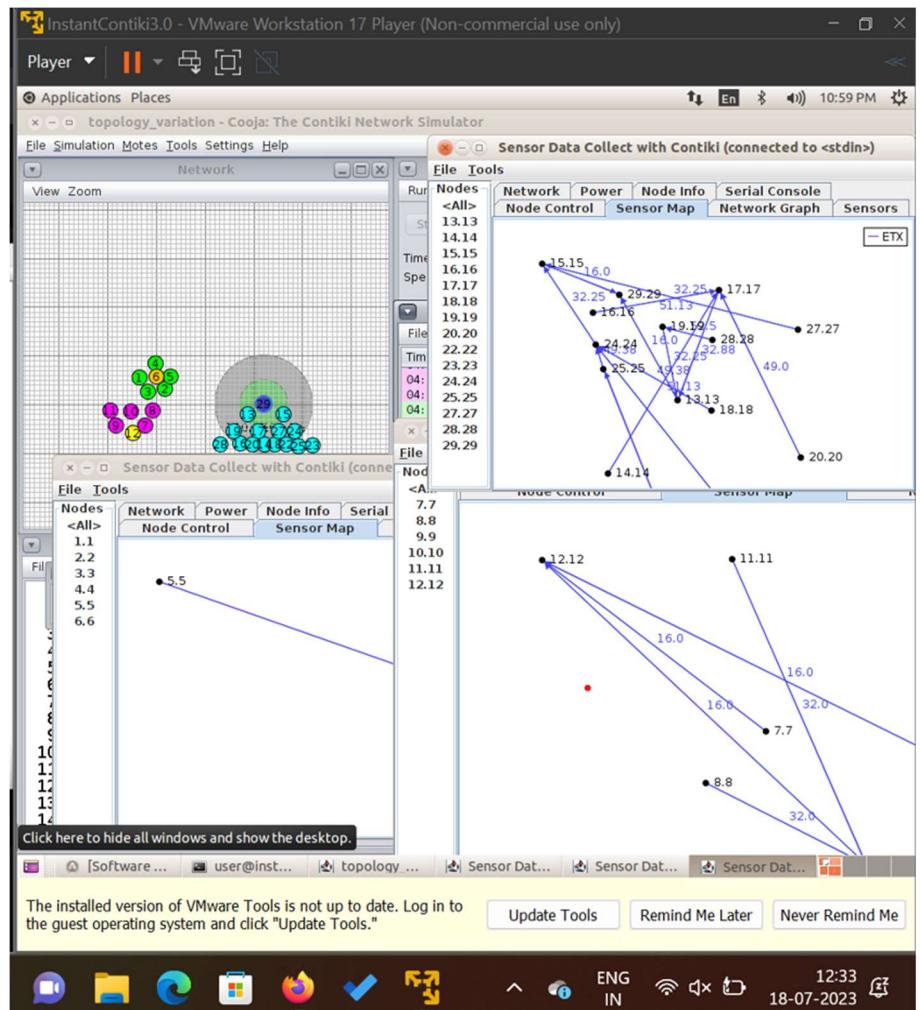




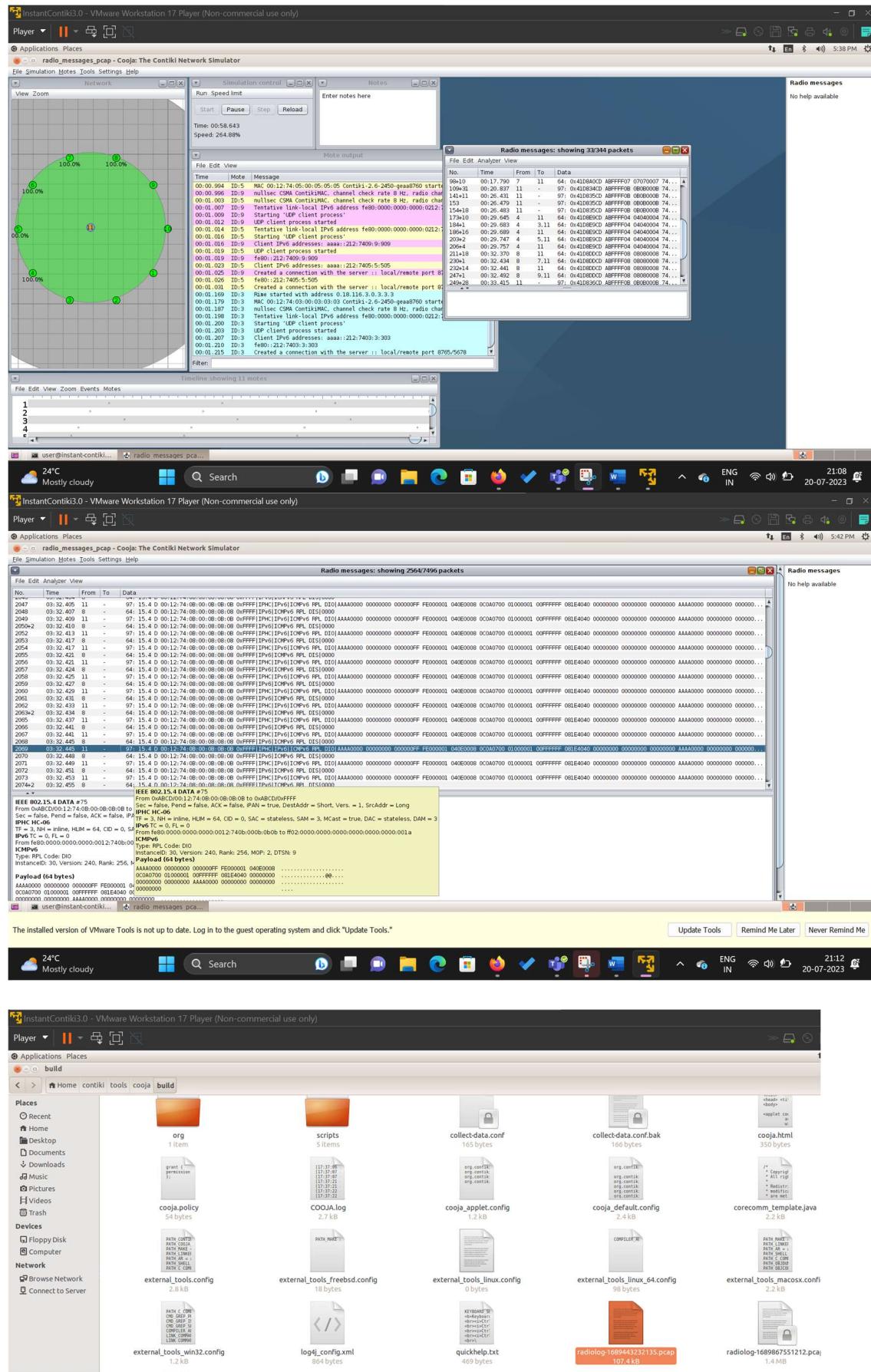
The installed version of VMware Tools is not up to date. Log in to the guest operating system and click "Update Tools."

[Update Tools](#) [Remind Me Later](#) [Never Remind Me](#)





4. Generating Pcap file



5.Varying Transmission (Tx) & Interference Range (RX) + Transmission Ratio & Reception Ratio

