[VALIDATION CHECKSHEET FOR ROUTING SOFTWARE]

[ ] 1) Open UDP Socket Subroutine Test
  * Can open socket in READ and WRITE mode

[ ] 2) Rover Data Frame Generator Subroutine Test
  * Test two different speed settings
  * Test LEFT and RIGHT bytes
  * Subroutine should reproduce correct hexadecimal values to send to rovers over WiFly

--------## I/O TESTS ##----------

[ ] 3) GUI I/O Test
  * emulate GUI sending LEFT and RIGHT messages to PACMAN rover
  * output should be sent to PACMAN rover, check that output data frame is correct
  * STATS should receive the current direction
  * router _should not_ have to wait for ACK if successful

[ ] 4) AI I/O Test
  * emulate AI engine sending LEFT and RIGHT messages to GHOST rovers
  * output should be sent to GHOST rover, check that output data frame is correct
  * STATS should receive the current direction
  * router _should not_ have to wait for ACK if successful

[ ] 5) PACMAN I/O Test (FRUIT)
  * emulate PACMAN sending a FRUIT message
  * FRUIT message should reach the AI engine, GUI, and STATS processes

[ ] 6) PACMAN I/O Test (DEBUG)
  * emulate PACMAN sending a DEBUG message
  * DEBUG message should be detected, data stripped, sent to STATS process

[ ] 7) GHOST I/O Test (DEBUG)
  * emulate GHOST sending a DEBUG message
  * DEBUG message should be detected, data stripped, sent to STATS process