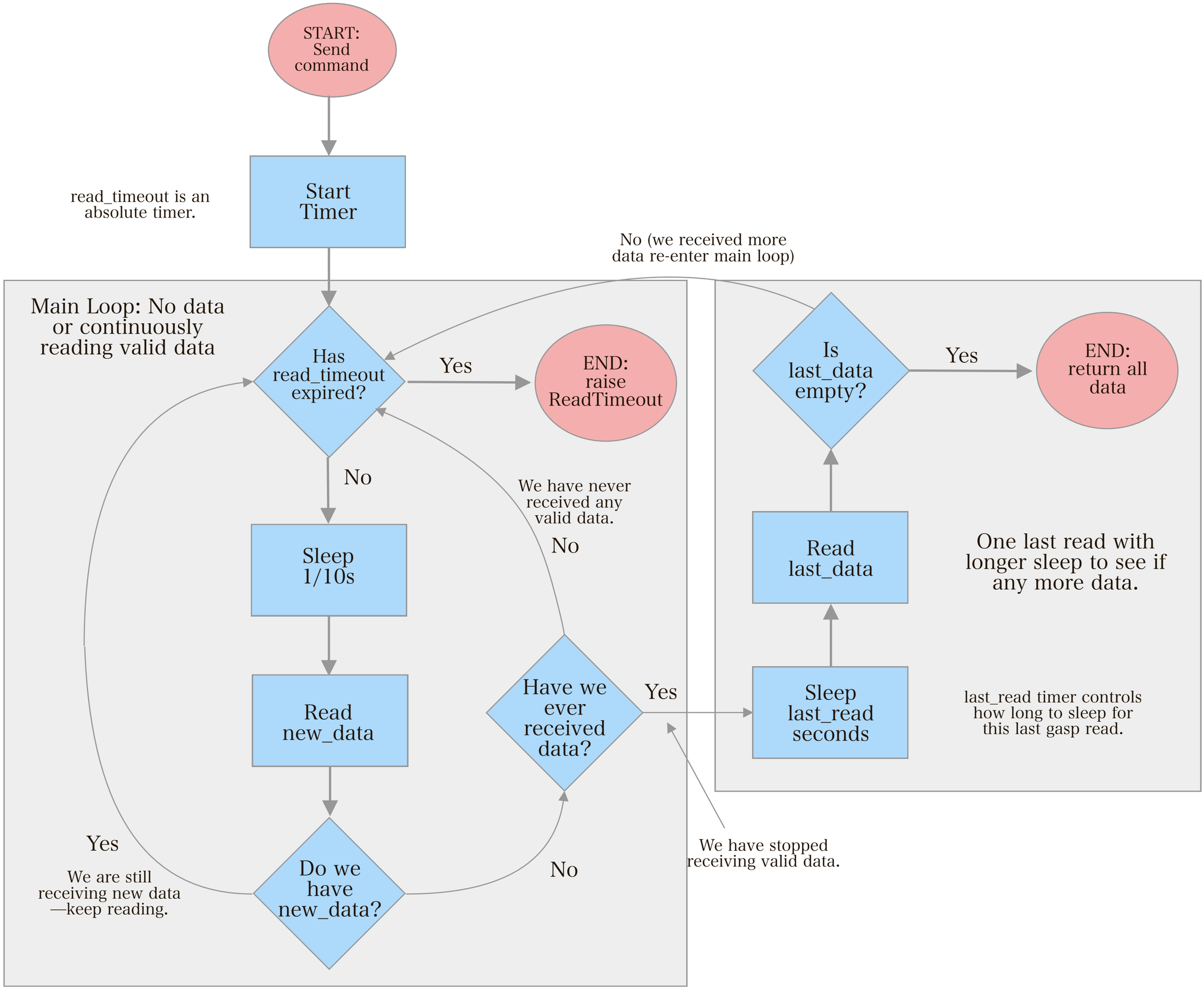
START: Send command
Start Timer
read_timeout is an absolute timer.
No (we received more data re-enter main loop)
Main Loop: No data or continuously reading valid data
Has read_timeout expired?
Yes
END: raise ReadTimeout
No
Sleep 1/10s
Read new_data
Do we have new_data?
Yes
We are still receiving new data —keep reading.
No
Have we ever received data?
We have never received any valid data.
No
Yes
We have stopped receiving valid data.
Is last_data empty?
Yes
END: return all data
Read last_data
One last read with longer sleep to see if any more data.
Sleep last_read seconds
last_read timer controls how long to sleep for this last gasp read.