|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Temperature** | **Starting time** | **Start to End** | **End** | **Notes** | **Total Run time** |
| **12.5** | 30 | 220 | 260 | The internal temp seems to be stable around 30, the original end time can be increased a little as in many of them were not getting to the end point | 260 |
| **15** | 20 | 230 | 250 | **100\_15\_D end: 200 as it ran out of oxygen.** Increased duration overall as data is being missed towards the end of the run. | 250 |
| **17.5** | 30 | 216 | 246 | **100\_15\_C: 75 ends**  **200\_15\_B:110 end**  Slight adjustment to end times as well as shortening those above that consumed all the oxygen | 246 |
| **20** | 20 | 93 | 113 | Based on the graphs and total run time this seems fine as it is. There is an odd outlier in the internal temperature which makes it hard to distinguish the stability. But based on the graph and original start times. Visually it looks like the times are good. | 113 |
| **22.5** | 10 | 91 | 101 | **200\_20\_D: 30**  **50\_20\_B: 35**  **50\_25\_B: 35**  **100\_15\_A: 32**  These had consumed all the oxygen within the first 30-40 mins. Adjusting for the others, the temperature looks stable sooner than in the original time. | 101 |
| **25** | 20 | 125 | 145 | **100\_15\_B: 65**  **50\_15\_A: 70**  **20\_25\_B: 45**  I kept the start time as one of the SDR’s was lagging a little behind in the internal temp graph.  I have increased the end time by 5 mins from 140 as around 150 many vials begin to run out of oxygen, and this seems to be the limit without many beginning to flat line. | 157 |
| **27.5** | **27** | 90 | 117 | **100\_15\_A: 60**  **100\_15\_C: ran out within 10 mins**  **200\_15\_B: 55**  **100\_15\_D: 95**  Slight reduction to the start time, other than that it runs the full duration of the test and looks good for all except those listed above which ran out much quicker. | 117 |
| **30** | **25** | 94 | 119 | **100\_15\_A:80**  **100\_15\_B:80**  **100\_15\_C:80**  **50\_15\_C:100**  **50\_15\_D:100**  **200\_20\_B: Ran out at 30-35 mins**  **200\_20\_C: 80**  The start and end times are good on this run. The listed ones above have their end times included prior to running out. I am unsure if it is useful to include **200\_20\_B** as it runs out of oxygen very quickly. | 119 |