

| Suggested Data Sampling Rates  |                                                                                   |           |             |          |                    |                       |
|--------------------------------|-----------------------------------------------------------------------------------|-----------|-------------|----------|--------------------|-----------------------|
|                                |  | Knox Book | Segers Book | Fey Book | Formula SAE Whiton | TrailBrake Romanowski |
| Engine RPM                     | 20                                                                                | 20        |             |          | 100                | 20                    |
| Temp - Engine Water            | 5                                                                                 | 1         | 5           |          | 1                  | 1                     |
| Temp - Engine Oil              | 5                                                                                 | 1         | 5           |          | 1                  | 1                     |
| Temp - Gearbox                 | 5                                                                                 | 1         | 5           |          | 1                  | 1                     |
| Temp - Tires                   | 50                                                                                |           |             |          |                    | 50                    |
| Temp - Track                   | 5                                                                                 |           |             |          |                    | 5                     |
| Pressure - Engine Oil          | 10                                                                                | 10        | 10          |          | 50                 | 10                    |
| Pressure - Engine Water        | 10                                                                                | 10        | 10          |          |                    | 10                    |
| Pressure - Gearbox Oil         | 10                                                                                | 10        | 10          |          |                    | 10                    |
| Pressure - Fuel (Carb)         | 10                                                                                |           | 10          |          |                    | 10                    |
| Pressure - Fuel (Injected)     | 20                                                                                | 20        | 10          |          |                    | 10                    |
| Pressure - Tires               | 2                                                                                 |           |             |          |                    | 1                     |
| Speed                          | 20                                                                                | 20        |             |          | 100                | 10                    |
| Battery Voltage                | 5                                                                                 | 20        |             |          |                    | 1                     |
| Position - Steering            | 20                                                                                | 20        | 50          | 20       | 100                | 50                    |
| Position - Throttle            | 20                                                                                | 20        | 50          | 20       | 100                | 50                    |
| Pressure - Brake               | 20                                                                                | 20        | 50          | 20       | 100                | 50                    |
| Acceleration - Lat, Long, Vert | 50                                                                                | 20        |             |          | 100                | 20                    |
| Gyro                           | 50                                                                                |           |             |          |                    | 20                    |
| Position - Suspension          | 200                                                                               | 200       | 500         | 200      |                    | 500                   |
| Position - Gear                | 10                                                                                | 10        |             |          |                    | 10                    |
| Air/Fuel Ratio                 | 20                                                                                |           |             |          |                    | 20                    |

Updated Oct 21 2020