

| "Misc" Channel Name | Description | Needed Data Channels | Needed Pre Calc Channels | Needed Constants | Math Channel | AiM Channel Parameters | |
|----------------------------|--|-----------------------------------|-----------------------------|---------------------|---|------------------------|-------|
| RadF Radius Feet | Creates a channel that outputs the driven radius of the vehicle in feet. Additionally, any radius value over 2000ft is displayed as zero values, this is to 'un-clutter' the result. | GPS_LatAcc (g) GPS_Speed (mph) | None | MPH2FTS (1.46667) | band_pass((GPS_Speed*MPH2FTS)^2/(GPS_LatAcc*32.2),-2000,2000) | Unit of measure | feet |
| | | | | | | Full scale | 2000 |
| | | | | | | Zero scale | -2000 |
| | | | | | | Sampling rate | 20 |
| | | | | | | Filter | 0 |
| | | | | | | Use as speed channel? | No |

| "Switches" Channel Name | Description | Needed Data Channels | Needed Pre Calc Channels | Needed Constants | Math Channel | AiM Channel Parameters | |
|--------------------------------|--|-------------------------|-----------------------------|---------------------|---|------------------------|--------|
| BRK On (Brakes On) | Creates the BRK On channel when the GPS_LonAcc g's are less than than -0.15g and may be required by other math channels. The outputs are: 0 = Brakes are off 1 = Brakes are on | GPS_LonAcc (g) | None | None | IF(LT(GPS_LonAcc ,-0.15),1,0) | Unit of measure | on/off |
| | | | | | | Full scale | 2 |
| | | | | | | Zero scale | 0 |
| | | | | | | Sampling rate | 50 |
| | | | | | | Filter | 0 |
| | | | | | | Use as speed channel? | No |
| TPS On (Throttle On) | Creates the TPS On channel when the GPS_LonAcc g's are greater than 0.10g and may be required by other math channels. The outputs are: 0 = Throttle is off 1 = Throttle is on | GPS_LonAcc (g) | None | None | IF(GT(GPS_LonAcc ,0.05),1,0) | Unit of measure | on/off |
| | | | | | | Full scale | 2 |
| | | | | | | Zero scale | 0 |
| | | | | | | Sampling rate | 50 |
| | | | | | | Filter | 0 |
| | | | | | | Use as speed channel? | No |
| CRN On (Corner On) | Creates the CRN On channel when the GPS_LatAcc is greater than 0.2g's and may be required by other math channels. The outputs are: 0 = On a straight 1 = In a corner | GPS_LatAcc (g) | None | None | IF(GT(abs(GPS_LatAcc),0.20),1,0) | Unit of measure | on/off |
| | | | | | | Full scale | 2 |
| | | | | | | Zero scale | 0 |
| | | | | | | Sampling rate | 50 |
| | | | | | | Filter | 0 |
| | | | | | | Use as speed channel? | No |
| CST On (Coast On) | Creates the CST On channel when the driver is not on the brakes (BRK On), on the throttle (TPS On), or in a corner (CRN On) and may be required by other math channels. The outputs are: 0 = Not coasting 1 = Coasting | None | BRK On TPS On CRN On | None | IF(GT(BRK On ,0.5),0,IF(GT(TPS On ,0.5),0,IF(GT(CRN On ,0.5),0,1))) | Unit of measure | on/off |
| | | | | | | Full scale | 2 |
| | | | | | | Zero scale | 0 |
| | | | | | | Sampling rate | 50 |
| | | | | | | Filter | 0 |
| | | | | | | Use as speed channel? | No |

| "GPS Driver" Channel Name | Description | Needed Data Channels | Needed Pre Calc Channels | Needed Constants | Math Channel | AiM Channel Parameters | |
|--|---|----------------------------------|-----------------------------|---------------------|---------------------------------------|---|--|
| CST LapT (Coast Lap Time) | Outputs the time that the driver is coasting as shown by not being on the brakes (BRK On), the throttle (TPS On), or in a corner (CRN On). The output resets to zero at the start of each lap. | None | CST On | None | lap_integ(CST On) | Unit of measure | secs |
| | | | | | | Full scale | 5 |
| | | | | | | Zero scale | 0 |
| | | | | | | Sampling rate | 50 |
| | | | | | | Filter | 0 |
| | | | | | | Use as speed channel? | No |
| | | | | | | CST LapD (Coast Lap Distance) | Outputs the distance that the driver is coasting as shown by not being on the brakes (BRK On), the throttle (TPS On), or in a corner (CRN On). The output resets to zero at the start of each lap. |
| Full scale | 400 | | | | | | |
| Zero scale | 0 | | | | | | |
| Sampling rate | 50 | | | | | | |
| Filter | 0 | | | | | | |
| Use as speed channel? | No | | | | | | |
| CST LapP (Coast Lap Percent) | Outputs the percent of time that the driver is coasting as shown by not being on the brakes (BRK On), the throttle (TPS On), or in a corner (CRN On). The output resets to zero at the start of each lap. | None | CST LapT | None | (CST LapT*100)/time() | | |
| | | | | | | Full scale | 10 |
| | | | | | | Zero scale | 0 |
| | | | | | | Sampling rate | 50 |
| | | | | | | Filter | 0 |
| | | | | | | Use as speed channel? | No |
| | | | | | | CRN LapT (Corner Lap Time) | Outputs the time that the driver is in a corner. The output resets to zero at the start of each lap. |
| Full scale | 120 | | | | | | |
| Zero scale | 0 | | | | | | |
| Sampling rate | 50 | | | | | | |
| Filter | 0 | | | | | | |
| Use as speed channel? | No | | | | | | |
| CRN LapD (Corner Lap Distance) | Outputs the distance that the driver is in a corner. The output resets to zero at the start of each lap. | GPS_Speed (mph) | CRN On | MPH2FTS | lap_integ(CRN On*GPS_Speed*MPH2FTS),0 | | |
| | | | | | | Full scale | 10000 |
| | | | | | | Zero scale | 0 |
| | | | | | | Sampling rate | 50 |
| | | | | | | Filter | 0 |
| | | | | | | Use as speed channel? | No |
| | | | | | | CRN LapP (Corner Lap Percent) | Outputs the percent of time that the driver is in a corner. The output resets to zero at the start of each lap. |
| Full scale | 100 | | | | | | |
| Zero scale | 0 | | | | | | |
| Sampling rate | 50 | | | | | | |
| Filter | 0 | | | | | | |
| Use as speed channel? | No | | | | | | |
| G Sum (Lat and Long g Sum) | Outputs the abs value of the sum of the GPS_LatAcc and GPS_LonAcc values. | GPS_LatAcc (g) GPS_LonAcc (g) | None | None | sqrt((GPS_LatAcc^2)+(GPS_LonAcc^2)) | | |
| | | | | | | Full scale | 2.5 |
| | | | | | | Zero scale | 0 |
| | | | | | | Sampling rate | 20 |
| | | | | | | Filter | 0 |
| | | | | | | Use as speed channel? | No |

| "Braking" Channel Name | Description | Needed Data Channels | Needed Pre Calc Channels | Needed Constants | Math Channel | AiM Channel Parameters | |
|--|---|-------------------------|-----------------------------|---------------------|---------------------------------------|------------------------|--------|
| BRK LapT (Braking Lap Time) | Outputs the time that the driver was on the brakes in seconds. Starts each lap from zero and counts up for each lap. | None | BRK On | None | lap_integ(BRK On) | Unit of measure | secs |
| | | | | | | Full scale | 60 |
| | | | | | | Zero scale | 0 |
| | | | | | | Sampling rate | 50 |
| | | | | | | Filter | 0 |
| | | | | | | Use as speed channel? | No |
| BRK LapD (Braking Lap Distance) | Outputs the number of feet that the driver was on the brakes in feet. Starts each lap from zero and counts up for each lap. | GPS_Speed (mph) | BRK On | MPH2FTS (1.46667) | lap_integ(BRK On*GPS_Speed*MPH2FTS),0 | Unit of measure | ft |
| | | | | | | Full scale | 5000 |
| | | | | | | Zero scale | 0 |
| | | | | | | Sampling rate | 50 |
| | | | | | | Filter | 0 |
| | | | | | | Use as speed channel? | No |
| BRK LapP (Braking Lap Percent) | Outputs the percent of time that the driver was on the brakes. Starts each lap from zero and displays the percentage for each lap. | None | BRK LapT | None | (BRK LapT*100)/time() | Unit of measure | % |
| | | | | | | Full scale | 50 |
| | | | | | | Zero scale | 0 |
| | | | | | | Sampling rate | 50 |
| | | | | | | Filter | 0 |
| | | | | | | Use as speed channel? | No |
| BRK SessT (Braking Session Time) | Outputs the time that the driver was on the brakes in seconds. Starts each session from zero and counts up for the entire session. | None | BRK On | None | integ(BRK On) | Unit of measure | secs |
| | | | | | | Full scale | 1000 |
| | | | | | | Zero scale | 0 |
| | | | | | | Sampling rate | 50 |
| | | | | | | Filter | 0 |
| | | | | | | Use as speed channel? | No |
| BRK SessF (Braking Session Feet) | Outputs the number of feet that the driver was on the brakes in feet. Starts each session from zero and counts up for the entire session. | GPS_Speed (mph) | BRK On | MPH2FTS (1.46667) | integ(BRK On*GPS_Speed*MPH2FTS) | Unit of measure | ft |
| | | | | | | Full scale | 100000 |
| | | | | | | Zero scale | 0 |
| | | | | | | Sampling rate | 50 |
| | | | | | | Filter | 0 |
| | | | | | | Use as speed channel? | No |