# GroundControllerInputs

logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**UTC_Time**

logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**DF_telemetry**

logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.telemetry
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.telemetry.**GCC_ControlFlags**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.telemetry.**systemState**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.telemetry.**trueAirspeed**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.telemetry.altitude
        logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.telemetry.**altitude.value**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.telemetry.**velocityPlaneGround**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.telemetry.**distancePlaneGround**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.telemetry.accelerationPlaneGround
        logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.telemetry.**accelerationPlaneGround.va**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.telemetry.controlDemand
        logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.telemetry.**controlDemand.value**

logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**telemetryUTC_Time**

logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**DF_GCS_GCC_StateCommand**

logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.GCS_GCC_StateCommand
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**GCS_GCC_StateCommand.UTC_Time**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**GCS_GCC_StateCommand.commandFlag**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**GCS_GCC_StateCommand.data**

logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**DF_GCS_GCC_Command**

logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.GCS_GCC_Command
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**GCS_GCC_Command.UTC_Time**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**GCS_GCC_Command.commandID**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**GCS_GCC_Command.data**

logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**DF_winchData**

logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.winchData
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchData.winchID**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchData.state**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchData.ecode**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchData.alarm0**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchData.alarm1**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchData.alarm2**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchData.speed_demand**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchData.length_total**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchData.length_on_drum**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchData.tether_speed**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchData.tether_tension**

logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**DF_winchMotorData**

logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.winchMotorData
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchMotorData.alarms**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchMotorData.dc_voltage**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchMotorData.stator_freq**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchMotorData.rms_current**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchMotorData.active_power**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchMotorData.active_current**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchMotorData.torque**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchMotorData.actual_freq**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchMotorData.output_rms_voltage**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**winchMotorData.error_count**

logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**DF_telemetrySync**

logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.telemetrySync
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**telemetrySync.systemState**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**telemetrySync.numberOfPackets**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**telemetrySync.packetIndex**
    logData_FCC114_1.<u>GroundControllerInputs</u>.packetData.**telemetrySync.syncData**

## NavigationData

logData_FCC114_1.NavigationData.packetData.**navMode**

logData_FCC114_1.NavigationData.packetData.**UTC_Time**

logData_FCC114_1.NavigationData.packetData.**positionLLH**

logData_FCC114_1.NavigationData.packetData.**positionNED**

logData_FCC114_1.NavigationData.packetData.**velocityNED**

logData_FCC114_1.NavigationData.packetData.**rollPitchYaw**

logData_FCC114_1.NavigationData.packetData.**bodyRate**

logData_FCC114_1.NavigationData.packetData.**navAccel**

logData_FCC114_1.NavigationData.packetData.**bodyAccel**

logData_FCC114_1.NavigationData.packetData.**inertialAccel**

logData_FCC114_1.NavigationData.packetData.**windSpeed**

logData_FCC114_1.NavigationData.packetData.**gravityNED**

logData_FCC114_1.NavigationData.packetData.**heightAboveGround**

logData_FCC114_1.NavigationData.packetData.**heightAboveGroundRate**

logData_FCC114_1.NavigationData.packetData.**terrainPitchRoll**

logData_FCC114_1.NavigationData.packetData.**angleOfAttackOffset**

logData_FCC114_1.NavigationData.packetData.**sideSlipOffset**

logData_FCC114_1.NavigationData.packetData.**cosMatBodyToNav**

logData_FCC114_1.NavigationData.packetData.**pressureAltitudeOffset**

logData_FCC114_1.NavigationData.packetData.**angularAccel**

## ProcessedSensorData

logData_FCC114_1.ProcessedSensorData.packetData.**propulsionBatteryRemaining**

logData_FCC114_1.ProcessedSensorData.packetData.**airDataInterfaceHealth**

logData_FCC114_1.ProcessedSensorData.packetData.**trueAirspeed**

logData_FCC114_1.ProcessedSensorData.packetData.**equivalentAirspeed**

logData_FCC114_1.ProcessedSensorData.packetData.**dynamicPressure**

logData_FCC114_1.ProcessedSensorData.packetData.**inverseDynamicPressure**

logData_FCC114_1.ProcessedSensorData.packetData.**angleOfAttackValid**

logData_FCC114_1.ProcessedSensorData.packetData.**angleOfAttack**

logData_FCC114_1.ProcessedSensorData.packetData.**sideSlipValid**

logData_FCC114_1.ProcessedSensorData.packetData.**sideSlip**

logData_FCC114_1.ProcessedSensorData.packetData.**pressureAltitude**

logData_FCC114_1.ProcessedSensorData.packetData.**cableT**ension

logData_FCC114_1.ProcessedSensorData.packetData.**autopilotVoltage**

logData_FCC114_1.ProcessedSensorData.packetData.**servoVoltage1**

logData_FCC114_1.ProcessedSensorData.packetData.**servoVoltage2**

logData_FCC114_1.ProcessedSensorData.packetData.**PPS_Pulse**

logData_FCC114_1.ProcessedSensorData.packetData.**highRangeAccelerometer**

logData_FCC114_1.ProcessedSensorData.packetData.**engineVoltage**

logData_FCC114_1.ProcessedSensorData.packetData.**engineCurrent**

logData_FCC114_1.ProcessedSensorData.packetData.**engineConsumption**

logData_FCC114_1.ProcessedSensorData.packetData.**engineDischarge**

logData_FCC114_1.ProcessedSensorData.packetData.**engineSwitch**

logData_FCC114_1.ProcessedSensorData.packetData.servoDeflections
    logData_FCC114_1.ProcessedSensorData.packetData.**servoDeflections.stbdFlap**
    logData_FCC114_1.ProcessedSensorData.packetData.**servoDeflections.DF_portAileron**
    logData_FCC114_1.ProcessedSensorData.packetData.**servoDeflections.portAileron**
    logData_FCC114_1.ProcessedSensorData.packetData.**servoDeflections.DF_stbdAileron**
    logData_FCC114_1.ProcessedSensorData.packetData.**servoDeflections.stbdAileron**
    logData_FCC114_1.ProcessedSensorData.packetData.**servoDeflections.DF_portElevator**
    logData_FCC114_1.ProcessedSensorData.packetData.**servoDeflections.portElevator**
    logData_FCC114_1.ProcessedSensorData.packetData.**servoDeflections.DF_stbdElevator**
    logData_FCC114_1.ProcessedSensorData.packetData.**servoDeflections.stbdElevator**
    logData_FCC114_1.ProcessedSensorData.packetData.**servoDeflections.DF_rudder**
    logData_FCC114_1.ProcessedSensorData.packetData.**servoDeflections.rudder**
    logData_FCC114_1.ProcessedSensorData.packetData.**servoDeflections.DF_portFlap**
    logData_FCC114_1.ProcessedSensorData.packetData.**servoDeflections.portFlap**
    logData_FCC114_1.ProcessedSensorData.packetData.**servoDeflections.DF_stbdFlap**

logData_FCC114_1.ProcessedSensorData.packetData.**CPU_Temperature**

## ServoDemandFCC

```
logData_FCC114_1.ServoDemandFCC.packetData.demands
    logData_FCC114_1.ServoDemandFCC.packetData.demands.flags
    logData_FCC114_1.ServoDemandFCC.packetData.demands.throttle
    logData_FCC114_1.ServoDemandFCC.packetData.demands.port_aileron
    logData_FCC114_1.ServoDemandFCC.packetData.demands.stbd_aileron
    logData_FCC114_1.ServoDemandFCC.packetData.demands.port_flap
    logData_FCC114_1.ServoDemandFCC.packetData.demands.stbd_flap
    logData_FCC114_1.ServoDemandFCC.packetData.demands.rudder
    logData_FCC114_1.ServoDemandFCC.packetData.demands.elevator
```

## SystemState

```
logData_FCC114_1.SystemState.packetData.currentState

logData_FCC114_1.SystemState.packetData.currentSubState

logData_FCC114_1.SystemState.packetData.previousState

logData_FCC114_1.SystemState.packetData.previousSubState

logData_FCC114_1.SystemState.packetData.transitionTaken

logData_FCC114_1.SystemState.packetData.stateFlags

logData_FCC114_1.SystemState.packetData.commandFlags
```

## WinchData

```
logData_FCC114_1.WinchData.packetData.winchID

logData_FCC114_1.WinchData.packetData.state

logData_FCC114_1.WinchData.packetData.ecode

logData_FCC114_1.WinchData.packetData.alarm0

logData_FCC114_1.WinchData.packetData.alarm1

logData_FCC114_1.WinchData.packetData.alarm2

logData_FCC114_1.WinchData.packetData.speed_demand

logData_FCC114_1.WinchData.packetData.length_total

logData_FCC114_1.WinchData.packetData.length_on_drum

logData_FCC114_1.WinchData.packetData.tether_speed

logData_FCC114_1.WinchData.packetData.tether_tension
```

## WinchMotorData

logData_FCC114_1.<u>WinchMotorData</u>.packetData.**alarms**

logData_FCC114_1.<u>WinchMotorData</u>.packetData.**dc_voltage**

logData_FCC114_1.<u>WinchMotorData</u>.packetData.**stator_freq**

logData_FCC114_1.<u>WinchMotorData</u>.packetData.**rms_current**

logData_FCC114_1.<u>WinchMotorData</u>.packetData.**active_power**

logData_FCC114_1.<u>WinchMotorData</u>.packetData.**active_current**

logData_FCC114_1.<u>WinchMotorData</u>.packetData.**torque**

logData_FCC114_1.<u>WinchMotorData</u>.packetData.**actual_freq**

logData_FCC114_1.<u>WinchMotorData</u>.packetData.**output_rms_voltage**

logData_FCC114_1.<u>WinchMotorData</u>.packetData.**error_count**