JJ CanSat Team Base Station JSON protocol

"Message type" : (String)

Indicates what is in the frame.

- "STANDARD_DATA" standarized sensors measurements.
- "ERROR": information about error.
- "CONF_REQUEST" message aimed to obtain configuration data.

Standard data

- "TEMP CAN": Temperature measured by CanSat. (Float)
- "TEMP BASE": Temperature measured by Base Station. (Float)
- "PRESS CAN": Pressure measured by CanSat. (Float)
- "PRESS BASE": Pressure measured by Base Station. (Float)
- "X ROT": X axis CanSat rotation. (Float)
- "Y ROT": Y axis CanSat rotation. (Float)
- "Z ROT": Z axis CanSat rotation. (Float)
- "ALT BASE": Altitude measured by Base Station. (Float)
- "GPS_N": N GPS CanSat cordinate. (Float)
- "GPS E": E GPS CanSat coordinate. (Float)
- "WIND SPEED": Wind speed measured by CanSat. (Float)
- "AIR HUM": Air humidity measured by CanSat. (Float)

Error

• "ERROR TYPE": Information about occured error. (String)

Example frame

```
{
"Message type" : "STANDARD_DATA",
"TEMP_CAN" :1,
"TEMP_BASE": 1,
"PRESS_CAN": 1,
"PRESS_BASE":1,
"X_ROT": 1,
"Y_ROT": 1,
"Z_ROT" :1,
"ALT_BASE":1,
"GPS_N": 1,
"GPS E":1,
"WIND_SPEED": 1,
"AIR_HUM": 1
"Message type" : "ERROR",
"ERROR_TYPE" : "SDCARD_ERROR"
}
{
"Message type" : "CONF_REQUEST"
}
```