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})

das ist df.head

distance ... day

0 492.59845 ... 1970-01-01 00:00:00.000000005

1 492.59845 ... 1970-01-01 00:00:00.000000005

[2 rows x 7 columns]

das ist df.tail

[Timestamp('2021-05-02 12:32:17'), Timestamp('2021-07-02 15:00:45')]

distance ... day

498 3367.597168 ... 1970-01-01 00:00:00.000000007

499 3367.597168 ... 1970-01-01 00:00:00.000000007

[2 rows x 7 columns]

Figure({

'data': [{'name': 'distance',

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'x': array(['12:32:17 05/02/21 ', '12:32:22 05/02/21 ', '12:48:16 05/02/21 ', ...,

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'x': array(['12:32:17 05/02/21 ', '12:32:22 05/02/21 ', '12:48:16 05/02/21 ', ...,

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'x': array(['12:32:17 05/02/21 ', '12:32:22 05/02/21 ', '12:48:16 05/02/21 ', ...,

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'title': {'text': 'voltage 1/[V]'}},

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'title': {'text': 'battery [pct]'}}}

})

run server

Running on http://0.0.0.0:8765/

Debugger PIN: 353-337-853

Running on http://0.0.0.0:8765 (CTRL + C to quit)

[2021-03-23 18:45:29,088] Running on http://0.0.0.0:8765 (CTRL + C to quit)

--- request header ---

GET /app?token=vgECVAAAABBldTRwcm8ubG9yaW90LmlvIQClcpR-zDIdaLyVI1Lplw== HTTP/1.1

Upgrade: websocket

Host: eu4pro.loriot.io

Origin: http://eu4pro.loriot.io

Sec-WebSocket-Key: Jz1GEwzl+ikORsD+/0a4dw==

Sec-WebSocket-Version: 13

Connection: upgrade

-----------------------

--- response header ---

HTTP/1.1 101 Switching Protocols

Server: nginx

Date: Tue, 23 Mar 2021 17:45:29 GMT

Connection: upgrade

Upgrade: websocket

Sec-WebSocket-Accept: vfSpb+z0jtciciCVD3uyYkkPbLw=

-----------------------

opened the websocket

bis hier alles ok 5

{'cmd': 'rx', 'seqno': 373086, 'EUI': '10CE45FFFE005843', 'ts': 1616521542764, 'fcnt': 962, 'port': 15, 'freq': 867900000, 'rssi': -71, 'snr': 8, 'toa': 61, 'dr': 'SF7 BW125 4/5', 'ack': False, 'bat': 254, 'offline': False, 'data': '0101031e017d5809430a0d'}

bis hier alles ok 5

hexarray ist:

0101031e017d5809430a0d

bytearray(b'\x01\x01\x03\x1e\x01}X\tC\n\r')

error from callback <function on\_message at 0x000002C976EA4DC8>: unpack requires a buffer of 16 bytes

File "C:\Users\nicol\Desktop\python\dashDevices\dash\_devices\env\lib\site-packages\websocket\\_app.py", line 346, in \_callback

callback(self, \*args)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 246, in on\_message

message, keyList = encondeFunction(message)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 121, in encondeFunction

[c['distance'],c['battery'],c['voltage'], c['new']] = struct.unpack('4f', b)

bis hier alles ok 5

{'cmd': 'gw', 'seqno': 373086, 'EUI': '10CE45FFFE005843', 'ts': 1616521542764, 'fcnt': 962, 'port': 15, 'freq': 867900000, 'toa': 61, 'dr': 'SF7 BW125 4/5', 'ack': False, 'gws': [{'rssi': -52, 'snr': 9.3, 'ts': 1616521542765, 'time': '2021-03-23T17:45:42.756914Z', 'gweui': 'AC1F09FFFF00AB88', 'ant': 0, 'lat': 46.8076885, 'lon': 7.100528}, {'rssi': -71, 'snr': 8, 'ts': 1616521542764, 'time': '2021-03-23T17:45:42.757313Z', 'gweui': '9C65F9FFFF386789', 'ant': 0, 'lat': 47.3772429, 'lon': 8.531449499999999}], 'bat': 254, 'data': '0101031e017d5809430a0d'}

bis hier alles ok 5

hexarray ist:

0101031e017d5809430a0d

bytearray(b'\x01\x01\x03\x1e\x01}X\tC\n\r')

error from callback <function on\_message at 0x000002C976EA4DC8>: unpack requires a buffer of 16 bytes

File "C:\Users\nicol\Desktop\python\dashDevices\dash\_devices\env\lib\site-packages\websocket\\_app.py", line 346, in \_callback

callback(self, \*args)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 246, in on\_message

message, keyList = encondeFunction(message)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 121, in encondeFunction

[c['distance'],c['battery'],c['voltage'], c['new']] = struct.unpack('4f', b)

bis hier alles ok 5

{'cmd': 'txd', 'EUI': '10CE45FFFE003FA3', 'seqdn': 36074, 'seqq': 36074, 'ts': 1616521544562, 'gweui': 'AC1F09FFFF01485B', 'freq': 869525000, 'sf': 12, 'toa': 1319, 'msgType': 'User DL', 'time': 1616521544562, 'ackRequested': True}

bis hier alles ok 5

keine reaktion da message ist:

{'cmd': 'txd', 'EUI': '10CE45FFFE003FA3', 'seqdn': 36074, 'seqq': 36074, 'ts': 1616521544562, 'gweui': 'AC1F09FFFF01485B', 'freq': 869525000, 'sf': 12, 'toa': 1319, 'msgType': 'User DL', 'time': 1616521544562, 'ackRequested': True}

bis hier alles ok 5

{'cmd': 'txd', 'EUI': '10CE45FFFE003F9E', 'seqdn': 22744, 'seqq': 22744, 'ts': 1616521546268, 'gweui': 'AC1F09FFFF00AB88', 'freq': 869525000, 'sf': 12, 'toa': 1319, 'msgType': 'User DL', 'time': 1616521546268, 'ackRequested': True}

bis hier alles ok 5

keine reaktion da message ist:

{'cmd': 'txd', 'EUI': '10CE45FFFE003F9E', 'seqdn': 22744, 'seqq': 22744, 'ts': 1616521546268, 'gweui': 'AC1F09FFFF00AB88', 'freq': 869525000, 'sf': 12, 'toa': 1319, 'msgType': 'User DL', 'time': 1616521546268, 'ackRequested': True}

bis hier alles ok 5

{'cmd': 'rx', 'seqno': 373087, 'EUI': '10CE45FFFE005848', 'ts': 1616521547224, 'fcnt': 5249, 'port': 15, 'freq': 868100000, 'rssi': -52, 'snr': 10, 'toa': 61, 'dr': 'SF7 BW125 4/5', 'ack': False, 'bat': 254, 'offline': False, 'data': '0101034d017d4c093b0a56'}

bis hier alles ok 5

hexarray ist:

0101034d017d4c093b0a56

bytearray(b'\x01\x01\x03M\x01}L\t;\nV')

error from callback <function on\_message at 0x000002C976EA4DC8>: unpack requires a buffer of 16 bytes

File "C:\Users\nicol\Desktop\python\dashDevices\dash\_devices\env\lib\site-packages\websocket\\_app.py", line 346, in \_callback

callback(self, \*args)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 246, in on\_message

message, keyList = encondeFunction(message)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 121, in encondeFunction

[c['distance'],c['battery'],c['voltage'], c['new']] = struct.unpack('4f', b)

bis hier alles ok 5

{'cmd': 'txd', 'EUI': '10CE45FFFE003FA3', 'seqdn': 36075, 'seqq': 36075, 'ts': 1616521547274, 'gweui': 'AC1F09FFFF01485B', 'freq': 869525000, 'sf': 12, 'toa': 1319, 'msgType': 'User DL', 'time': 1616521547274, 'ackRequested': True}

bis hier alles ok 5

keine reaktion da message ist:

{'cmd': 'txd', 'EUI': '10CE45FFFE003FA3', 'seqdn': 36075, 'seqq': 36075, 'ts': 1616521547274, 'gweui': 'AC1F09FFFF01485B', 'freq': 869525000, 'sf': 12, 'toa': 1319, 'msgType': 'User DL', 'time': 1616521547274, 'ackRequested': True}

bis hier alles ok 5

{'cmd': 'gw', 'seqno': 373087, 'EUI': '10CE45FFFE005848', 'ts': 1616521547224, 'fcnt': 5249, 'port': 15, 'freq': 868100000, 'toa': 61, 'dr': 'SF7 BW125 4/5', 'ack': False, 'gws': [{'rssi': -52, 'snr': 10, 'ts': 1616521547224, 'time': '2021-03-23T17:45:47.217371Z', 'gweui': '9C65F9FFFF386789', 'ant': 0, 'lat': 47.3772429, 'lon': 8.531449499999999}], 'bat': 254, 'data': '0101034d017d4c093b0a56'}

bis hier alles ok 5

hexarray ist:

0101034d017d4c093b0a56

bytearray(b'\x01\x01\x03M\x01}L\t;\nV')

error from callback <function on\_message at 0x000002C976EA4DC8>: unpack requires a buffer of 16 bytes

File "C:\Users\nicol\Desktop\python\dashDevices\dash\_devices\env\lib\site-packages\websocket\\_app.py", line 346, in \_callback

callback(self, \*args)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 246, in on\_message

message, keyList = encondeFunction(message)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 121, in encondeFunction

[c['distance'],c['battery'],c['voltage'], c['new']] = struct.unpack('4f', b)

bis hier alles ok 5

{'cmd': 'rx', 'seqno': 373088, 'EUI': '10CE45FFFE005844', 'ts': 1616521551585, 'fcnt': 1124, 'port': 15, 'freq': 867100000, 'rssi': -71, 'snr': 9, 'toa': 61, 'dr': 'SF7 BW125 4/5', 'ack': False, 'bat': 254, 'offline': False, 'data': '01010204017d2b07320a85'}

bis hier alles ok 5

hexarray ist:

01010204017d2b07320a85

bytearray(b'\x01\x01\x02\x04\x01}+\x072\n\x85')

error from callback <function on\_message at 0x000002C976EA4DC8>: unpack requires a buffer of 16 bytes

File "C:\Users\nicol\Desktop\python\dashDevices\dash\_devices\env\lib\site-packages\websocket\\_app.py", line 346, in \_callback

callback(self, \*args)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 246, in on\_message

message, keyList = encondeFunction(message)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 121, in encondeFunction

[c['distance'],c['battery'],c['voltage'], c['new']] = struct.unpack('4f', b)

bis hier alles ok 5

{'cmd': 'gw', 'seqno': 373088, 'EUI': '10CE45FFFE005844', 'ts': 1616521551585, 'fcnt': 1124, 'port': 15, 'freq': 867100000, 'toa': 61, 'dr': 'SF7 BW125 4/5', 'ack': False, 'gws': [{'rssi': -71, 'snr': 9, 'ts': 1616521551585, 'time': '2021-03-23T17:45:51.579198Z', 'gweui': '9C65F9FFFF386780', 'ant': 0, 'lat': 46.818188, 'lon': 8.227511999999999}], 'bat': 254, 'data': '01010204017d2b07320a85'}

bis hier alles ok 5

hexarray ist:

01010204017d2b07320a85

bytearray(b'\x01\x01\x02\x04\x01}+\x072\n\x85')

error from callback <function on\_message at 0x000002C976EA4DC8>: unpack requires a buffer of 16 bytes

File "C:\Users\nicol\Desktop\python\dashDevices\dash\_devices\env\lib\site-packages\websocket\\_app.py", line 346, in \_callback

callback(self, \*args)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 246, in on\_message

message, keyList = encondeFunction(message)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 121, in encondeFunction

[c['distance'],c['battery'],c['voltage'], c['new']] = struct.unpack('4f', b)

bis hier alles ok 5

{'cmd': 'rx', 'seqno': 373089, 'EUI': '10CE45FFFE003FCD', 'ts': 1616521554265, 'fcnt': 21, 'port': 15, 'freq': 867900000, 'rssi': -86, 'snr': 9.2, 'toa': 823, 'dr': 'SF11 BW125 4/5', 'ack': False, 'bat': 255, 'offline': False, 'data': '0502702300000204000303a12c'}

bis hier alles ok 5

hexarray ist:

0502702300000204000303a12c

bytearray(b'\x05\x02p#\x00\x00\x02\x04\x00\x03\x03\xa1,')

error from callback <function on\_message at 0x000002C976EA4DC8>: unpack requires a buffer of 16 bytes

File "C:\Users\nicol\Desktop\python\dashDevices\dash\_devices\env\lib\site-packages\websocket\\_app.py", line 346, in \_callback

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File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 246, in on\_message

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[c['distance'],c['battery'],c['voltage'], c['new']] = struct.unpack('4f', b)

bis hier alles ok 5

error from callback <function on\_message at 0x000002C976EA4DC8>: unpack requires a buffer of 16 bytes

{'cmd': 'gw', 'seqno': 373089, 'EUI': '10CE45FFFE003FCD', 'ts': 1616521554265, 'fcnt': 21, 'port': 15, 'freq': 867900000, 'toa': 823, 'dr': 'SF11 BW125 4/5', 'ack': False, 'gws': [{'rssi': -86, 'snr': 9.2, 'ts': 1616521554265, 'time': '2021-03-23T17:45:54.259232Z', 'gweui': '9C65F9FFFF386780', 'ant': 0, 'lat': 46.818188, 'lon': 8.227511999999999}], 'bat': 255, 'data': '0502702300000204000303a12c'}

bis hier alles ok 5

hexarray ist:

0502702300000204000303a12c

bytearray(b'\x05\x02p#\x00\x00\x02\x04\x00\x03\x03\xa1,')

File "C:\Users\nicol\Desktop\python\dashDevices\dash\_devices\env\lib\site-packages\websocket\\_app.py", line 346, in \_callback

callback(self, \*args)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 246, in on\_message

message, keyList = encondeFunction(message)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 121, in encondeFunction

[c['distance'],c['battery'],c['voltage'], c['new']] = struct.unpack('4f', b)

bis hier alles ok 5

{'cmd': 'txd', 'EUI': '10CE45FFFE003FCD', 'seqdn': 33, 'seqq': 33, 'ts': 1616521554493, 'gweui': '9C65F9FFFF386780', 'freq': 867900000, 'sf': 11, 'toa': 578, 'msgType': 'System DL', 'time': 1616521554493, 'ackRequested': False}

bis hier alles ok 5

keine reaktion da message ist:

{'cmd': 'txd', 'EUI': '10CE45FFFE003FCD', 'seqdn': 33, 'seqq': 33, 'ts': 1616521554493, 'gweui': '9C65F9FFFF386780', 'freq': 867900000, 'sf': 11, 'toa': 578, 'msgType': 'System DL', 'time': 1616521554493, 'ackRequested': False}

bis hier alles ok 5

{'cmd': 'rx', 'seqno': 373090, 'EUI': '70B3D57BA0001C0B', 'ts': 1616521556425, 'fcnt': 1742, 'port': 1, 'freq': 867300000, 'rssi': -46, 'snr': 9, 'toa': 77, 'dr': 'SF7 BW125 4/5', 'ack': False, 'bat': 180, 'offline': False, 'data': '021c0b006f0a9166463cf3be4f0021000500030080'}

bis hier alles ok 5

hexarray ist:

021c0b006f0a9166463cf3be4f0021000500030080

bytearray(b'\x02\x1c\x0b\x00o\n\x91fF<\xf3\xbeO\x00!\x00\x05\x00\x03\x00\x80')

error from callback <function on\_message at 0x000002C976EA4DC8>: unpack requires a buffer of 16 bytes

File "C:\Users\nicol\Desktop\python\dashDevices\dash\_devices\env\lib\site-packages\websocket\\_app.py", line 346, in \_callback

callback(self, \*args)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 246, in on\_message

message, keyList = encondeFunction(message)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 121, in encondeFunction

[c['distance'],c['battery'],c['voltage'], c['new']] = struct.unpack('4f', b)

bis hier alles ok 5

{'cmd': 'gw', 'seqno': 373090, 'EUI': '70B3D57BA0001C0B', 'ts': 1616521556425, 'fcnt': 1742, 'port': 1, 'freq': 867300000, 'toa': 77, 'dr': 'SF7 BW125 4/5', 'ack': False, 'gws': [{'rssi': -46, 'snr': 9, 'ts': 1616521556425, 'time': '2021-03-23T17:45:56.416957Z', 'gweui': 'AC1F09FFFF00AB88', 'ant': 0, 'lat': 46.8076885, 'lon': 7.100528}], 'bat': 180, 'data': '021c0b006f0a9166463cf3be4f0021000500030080'}

bis hier alles ok 5

hexarray ist:

021c0b006f0a9166463cf3be4f0021000500030080

bytearray(b'\x02\x1c\x0b\x00o\n\x91fF<\xf3\xbeO\x00!\x00\x05\x00\x03\x00\x80')

error from callback <function on\_message at 0x000002C976EA4DC8>: unpack requires a buffer of 16 bytes

File "C:\Users\nicol\Desktop\python\dashDevices\dash\_devices\env\lib\site-packages\websocket\\_app.py", line 346, in \_callback

callback(self, \*args)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 246, in on\_message

message, keyList = encondeFunction(message)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 121, in encondeFunction

[c['distance'],c['battery'],c['voltage'], c['new']] = struct.unpack('4f', b)

bis hier alles ok 5

{'cmd': 'rx', 'seqno': 373091, 'EUI': '10CE45FFFE005847', 'ts': 1616521557422, 'fcnt': 4477, 'port': 15, 'freq': 867900000, 'rssi': -56, 'snr': 10.2, 'toa': 61, 'dr': 'SF7 BW125 4/5', 'ack': False, 'bat': 254, 'offline': False, 'data': '010102d2017cc008f10c2f'}

bis hier alles ok 5

hexarray ist:

010102d2017cc008f10c2f

bytearray(b'\x01\x01\x02\xd2\x01|\xc0\x08\xf1\x0c/')

error from callback <function on\_message at 0x000002C976EA4DC8>: unpack requires a buffer of 16 bytes

File "C:\Users\nicol\Desktop\python\dashDevices\dash\_devices\env\lib\site-packages\websocket\\_app.py", line 346, in \_callback

callback(self, \*args)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 246, in on\_message

message, keyList = encondeFunction(message)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 121, in encondeFunction

[c['distance'],c['battery'],c['voltage'], c['new']] = struct.unpack('4f', b)

bis hier alles ok 5

{'cmd': 'gw', 'seqno': 373091, 'EUI': '10CE45FFFE005847', 'ts': 1616521557422, 'fcnt': 4477, 'port': 15, 'freq': 867900000, 'toa': 61, 'dr': 'SF7 BW125 4/5', 'ack': False, 'gws': [{'rssi': -56, 'snr': 10.2, 'ts': 1616521557422, 'time': '2021-03-23T17:45:57.413229Z', 'gweui': '9C65F9FFFF386796', 'ant': 0, 'lat': 46.818188, 'lon': 8.227511999999999}], 'bat': 254, 'data': '010102d2017cc008f10c2f'}

bis hier alles ok 5

hexarray ist:

010102d2017cc008f10c2f

bytearray(b'\x01\x01\x02\xd2\x01|\xc0\x08\xf1\x0c/')

error from callback <function on\_message at 0x000002C976EA4DC8>: unpack requires a buffer of 16 bytes

File "C:\Users\nicol\Desktop\python\dashDevices\dash\_devices\env\lib\site-packages\websocket\\_app.py", line 346, in \_callback

callback(self, \*args)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 246, in on\_message

message, keyList = encondeFunction(message)

File "C:\Users\nicol\Desktop\python\realtimePlotPrototype\example1a.py", line 121, in encondeFunction

[c['distance'],c['battery'],c['voltage'], c['new']] = struct.unpack('4f', b)