The following extract of the *External Mode* ***host*** *debug message log* (level 2) is analyzed to determine the cause of a packet error which occurs after a parameter download from the host to the target. For a detailed analysis [see page 13 ff](#explanation).

[1] ExtCommMain: EXT\_CONNECT

[1] ExtCommMain: HOST\_STATUS\_CONNECTING

[1] ExtConnect: IN

[1] ExtConnect: Sending 'ext-mode'

-[2] ExtSetTargetPkt: IN

[1] ExtSetPkt: waitForAck = FALSE -> clear to send

[1] ExtSetPktWithACK: ExtMode packet sent, setting waitForAck to TRUE

-[2] ExtSetTargetPkt: OUT, error status: 0

[1] ExtConnect: Waiting for EXT\_CONNECT\_RESPONSE (1/2)

<1>

[ 0x7e 0x7e 0x2 0x0 0x0 0x0 0x0 0x3 0x3 ]

[1] ExtGetPktBlocking: Received ACK\_PACKET -> waitForAck = FALSE;

-[2] CheckExtSerialPacket: Suspending processing until there are 17 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x8 0x0 0x0 0x0 0x0 0x0 0x0 0x10 0x0 0x0 0x0 0x8 0x3 0x3 ]

[1] ExtConnect: Waiting for EXT\_CONNECT\_RESPONSE (2/2)

-[2] CheckExtSerialPacket: Suspending processing until there are 17 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x8 0x0 0x0 0x0 0x0 0x0 0x0 0x10 0x0 0x0 0x0 0x5c 0x3 0x3 ]

-[2] ExtConnect: Host bytes per target bytes: 1

-[2] ExtConnect: Allocating memory for a message with 92 bytes

-[2] CheckExtSerialPacket: Suspending processing until there are 101 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x5c 0x0 0x0 0x0 0x7a 0x16 0x9f 0x48 0x2e 0xf6 0xbd 0x62 0x89 0xa 0x31 0x9d 0x43 0xbb 0x8f 0xa2 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x4 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0xf 0x0 0x0 0x0 0x4 0x0 0x0 0x0 0x4 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x2 0x0 0x0 0x0 0x2 0x0 0x0 0x0 0x4 0x0 0x0 0x0 0x4 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x4 0x0 0x0 0x0 0x2 0x0 0x0 0x0 0x2 0x0 0x0 0x0 0x4 0x0 0x0 0x0 0x8 0x0 0x0 0x0 0x1 0x3 0x3 ]

-[2] ExtConnect: ExtGetTargetPkt returns 92 bytes

-[2] ExtConnect: Contents of 2nd EXT\_CONNECT\_RESPONSE -----------------------

-[2] ExtConnect: Checksum\_1: 0x7a169f48

-[2] ExtConnect: Checksum\_2: 0x2ef6bd62

-[2] ExtConnect: Checksum\_3: 0x890a319d

-[2] ExtConnect: Checksum\_4: 0x43bb8fa2

-[2] ExtConnect: Target integer only code: 0

-[2] ExtConnect: Target multiword chunk size: 4

-[2] ExtConnect: Target status: 1

-[2] ProcessTargetDataSizes: Number of host data types: 15

-[2] ProcessTargetDataSizes: Number of target data types: 15

-[2] ProcessTargetDataSizes: Size of data type 0: 4

-[2] ProcessTargetDataSizes: Size of data type 1: 4

-[2] ProcessTargetDataSizes: Size of data type 2: 1

-[2] ProcessTargetDataSizes: Size of data type 3: 1

-[2] ProcessTargetDataSizes: Size of data type 4: 2

-[2] ProcessTargetDataSizes: Size of data type 5: 2

-[2] ProcessTargetDataSizes: Size of data type 6: 4

-[2] ProcessTargetDataSizes: Size of data type 7: 4

-[2] ProcessTargetDataSizes: Size of data type 8: 1

-[2] ProcessTargetDataSizes: Size of data type 9: 4

-[2] ProcessTargetDataSizes: Size of data type 10: 2

-[2] ProcessTargetDataSizes: Size of data type 11: 2

-[2] ProcessTargetDataSizes: Size of data type 12: 4

-[2] ProcessTargetDataSizes: Size of data type 13: 8

-[2] ProcessTargetDataSizes: Size of data type 14: 1

-[2] ExtConnect: End of contents of 2nd EXT\_CONNECT\_RESPONSE -----------------

[1] ExtConnect: OUT, error status: 0

Downloading parameters for:

block : atest/Gain

Parameter name : Gain

Data Type Trans: 0

Start index : 0

nEls: : 1

Data Type : [double, 0]

Values:

0.14999999999999999

Downloading parameters for:

block : atest/Counter Free-Running/Output

Parameter name : X0

Function of :

param : X0

Data Type Trans: 1

Start index : 0

nEls: : 1

Data Type : [uint8, 3]

Values:

0U

Downloading parameters for:

block : atest/Counter Free-Running/Increment Real World/FixPt Constant

Parameter name : Value

Function of :

param : Value

Data Type Trans: 1

Start index : 1

nEls: : 1

Data Type : [uint8, 3]

Values:

1U

Downloading parameters for:

block : atest/Counter Free-Running/Wrap To Zero/FixPt Switch

Parameter name : Threshold

Function of :

param : Threshold

Data Type Trans: 1

Start index : 2

nEls: : 1

Data Type : [uint8, 3]

Values:

15U

[1] ExtCommMain: EXT\_SETPARAM

-[2] ExtSendGenericPkt: IN

-[2] ExtSendGenericPkt: Packet type (before copy32): 4

-[2] ExtSendGenericPkt: Packet type (action) is: EXT\_SETPARAM

-[2] ExtSendGenericPkt: Packet size (before copy32): 0x4b (75)

-[2] ExtSendGenericPkt: Packet size (after copy32): 0x4b000000

-[2] ExtSendGenericPkt: Sending packet header ====================

-[2] ExtSetTargetPkt: IN

[1] ExtSetPkt: waitForAck = FALSE -> clear to send

[1] ExtSetPktWithACK: ExtMode packet sent, setting waitForAck to TRUE

-[2] ExtSetTargetPkt: OUT, error status: 0

-[2] ExtSendGenericPkt: Sending packet data ====================

-[2] ExtSetTargetPkt: IN

<2>

[ 0x7e 0x7e 0x2 0x0 0x0 0x0 0x0 0x3 0x3 ]

[1] ExtGetPktBlocking: Received ACK\_PACKET -> waitForAck = FALSE;

[1] ExtSetPkt: waitForAck = FALSE -> clear to send

[1] ExtSetPktWithACK: ExtMode packet sent, setting waitForAck to TRUE

-[2] ExtSetTargetPkt: OUT, error status: 0

-[2] ExtSendGenericPkt: Data sent [1/75] 0x0

-[2] ExtSendGenericPkt: Data sent [2/75] 0x0

-[2] ExtSendGenericPkt: Data sent [3/75] 0x0

-[2] ExtSendGenericPkt: Data sent [4/75] 0x4

-[2] ExtSendGenericPkt: Data sent [5/75] 0x0

-[2] ExtSendGenericPkt: Data sent [6/75] 0x0

-[2] ExtSendGenericPkt: Data sent [7/75] 0x0

-[2] ExtSendGenericPkt: Data sent [8/75] 0x0

-[2] ExtSendGenericPkt: Data sent [9/75] 0x0

-[2] ExtSendGenericPkt: Data sent [10/75] 0x0

-[2] ExtSendGenericPkt: Data sent [11/75] 0x0

-[2] ExtSendGenericPkt: Data sent [12/75] 0x0

-[2] ExtSendGenericPkt: Data sent [13/75] 0x0

-[2] ExtSendGenericPkt: Data sent [14/75] 0x0

-[2] ExtSendGenericPkt: Data sent [15/75] 0x0

-[2] ExtSendGenericPkt: Data sent [16/75] 0x1

-[2] ExtSendGenericPkt: Data sent [17/75] 0x0

-[2] ExtSendGenericPkt: Data sent [18/75] 0x0

-[2] ExtSendGenericPkt: Data sent [19/75] 0x0

-[2] ExtSendGenericPkt: Data sent [20/75] 0x0

-[2] ExtSendGenericPkt: Data sent [21/75] 0x3e

-[2] ExtSendGenericPkt: Data sent [22/75] 0x19

-[2] ExtSendGenericPkt: Data sent [23/75] 0x99

-[2] ExtSendGenericPkt: Data sent [24/75] 0x9a

-[2] ExtSendGenericPkt: Data sent [25/75] 0x0

-[2] ExtSendGenericPkt: Data sent [26/75] 0x0

-[2] ExtSendGenericPkt: Data sent [27/75] 0x0

-[2] ExtSendGenericPkt: Data sent [28/75] 0x1

-[2] ExtSendGenericPkt: Data sent [29/75] 0x0

-[2] ExtSendGenericPkt: Data sent [30/75] 0x0

-[2] ExtSendGenericPkt: Data sent [31/75] 0x0

-[2] ExtSendGenericPkt: Data sent [32/75] 0x0

-[2] ExtSendGenericPkt: Data sent [33/75] 0x0

-[2] ExtSendGenericPkt: Data sent [34/75] 0x0

-[2] ExtSendGenericPkt: Data sent [35/75] 0x0

-[2] ExtSendGenericPkt: Data sent [36/75] 0x1

-[2] ExtSendGenericPkt: Data sent [37/75] 0x0

-[2] ExtSendGenericPkt: Data sent [38/75] 0x0

-[2] ExtSendGenericPkt: Data sent [39/75] 0x0

-[2] ExtSendGenericPkt: Data sent [40/75] 0x3

-[2] ExtSendGenericPkt: Data sent [41/75] 0x0

-[2] ExtSendGenericPkt: Data sent [42/75] 0x0

-[2] ExtSendGenericPkt: Data sent [43/75] 0x0

-[2] ExtSendGenericPkt: Data sent [44/75] 0x0

-[2] ExtSendGenericPkt: Data sent [45/75] 0x1

-[2] ExtSendGenericPkt: Data sent [46/75] 0x0

-[2] ExtSendGenericPkt: Data sent [47/75] 0x0

-[2] ExtSendGenericPkt: Data sent [48/75] 0x0

-[2] ExtSendGenericPkt: Data sent [49/75] 0x1

-[2] ExtSendGenericPkt: Data sent [50/75] 0x0

-[2] ExtSendGenericPkt: Data sent [51/75] 0x0

-[2] ExtSendGenericPkt: Data sent [52/75] 0x0

-[2] ExtSendGenericPkt: Data sent [53/75] 0x1

-[2] ExtSendGenericPkt: Data sent [54/75] 0x0

-[2] ExtSendGenericPkt: Data sent [55/75] 0x0

-[2] ExtSendGenericPkt: Data sent [56/75] 0x0

-[2] ExtSendGenericPkt: Data sent [57/75] 0x3

-[2] ExtSendGenericPkt: Data sent [58/75] 0x1

-[2] ExtSendGenericPkt: Data sent [59/75] 0x0

-[2] ExtSendGenericPkt: Data sent [60/75] 0x0

-[2] ExtSendGenericPkt: Data sent [61/75] 0x0

-[2] ExtSendGenericPkt: Data sent [62/75] 0x1

-[2] ExtSendGenericPkt: Data sent [63/75] 0x0

-[2] ExtSendGenericPkt: Data sent [64/75] 0x0

-[2] ExtSendGenericPkt: Data sent [65/75] 0x0

-[2] ExtSendGenericPkt: Data sent [66/75] 0x2

-[2] ExtSendGenericPkt: Data sent [67/75] 0x0

-[2] ExtSendGenericPkt: Data sent [68/75] 0x0

-[2] ExtSendGenericPkt: Data sent [69/75] 0x0

-[2] ExtSendGenericPkt: Data sent [70/75] 0x1

-[2] ExtSendGenericPkt: Data sent [71/75] 0x0

-[2] ExtSendGenericPkt: Data sent [72/75] 0x0

-[2] ExtSendGenericPkt: Data sent [73/75] 0x0

-[2] ExtSendGenericPkt: Data sent [74/75] 0x3

-[2] ExtSendGenericPkt: Data sent [75/75] 0xf

-[2] ExtSendGenericPkt: OUT, error status 0

[1] ExtCommMain: EXT\_SELECT\_SIGNALS

-[2] ExtSendGenericPkt: IN

-[2] ExtSendGenericPkt: Packet type (before copy32): 6

-[2] ExtSendGenericPkt: Packet type (action) is: EXT\_SELECT\_SIGNALS

-[2] ExtSendGenericPkt: Packet size (before copy32): 0x30 (48)

-[2] ExtSendGenericPkt: Packet size (after copy32): 0x30000000

-[2] ExtSendGenericPkt: Sending packet header ====================

-[2] ExtSetTargetPkt: IN

<2>

[ 0x7e 0x7e 0x2 0x0 0x0 0x0 0x0 0x3 0x3 ]

[1] ExtGetPktBlocking: Received ACK\_PACKET -> waitForAck = FALSE;

[1] ExtSetPkt: waitForAck = FALSE -> clear to send

[1] ExtSetPktWithACK: ExtMode packet sent, setting waitForAck to TRUE

-[2] ExtSetTargetPkt: OUT, error status: 0

-[2] ExtSendGenericPkt: Sending packet data ====================

-[2] ExtSetTargetPkt: IN

<2>

[ 0x7e 0x7e 0x1 0x8 0x0 0x0 0x0 0x0 0x0 0x0 0x12 0x0 0x0 0x0 0x4 0x3 0x3 ]

<2>

[ 0x7e 0x7e 0x2 0x0 0x0 0x0 0x0 0x3 0x3 ]

[1] ExtGetPktBlocking: Received ACK\_PACKET -> waitForAck = FALSE;

[1] ExtSetPkt: waitForAck = FALSE -> clear to send

[1] ExtSetPktWithACK: ExtMode packet sent, setting waitForAck to TRUE

-[2] ExtSetTargetPkt: OUT, error status: 0

-[2] ExtSendGenericPkt: Data sent [1/48] 0x0

-[2] ExtSendGenericPkt: Data sent [2/48] 0x0

-[2] ExtSendGenericPkt: Data sent [3/48] 0x0

-[2] ExtSendGenericPkt: Data sent [4/48] 0x0

-[2] ExtSendGenericPkt: Data sent [5/48] 0x0

-[2] ExtSendGenericPkt: Data sent [6/48] 0x0

-[2] ExtSendGenericPkt: Data sent [7/48] 0x0

-[2] ExtSendGenericPkt: Data sent [8/48] 0x1

-[2] ExtSendGenericPkt: Data sent [9/48] 0x0

-[2] ExtSendGenericPkt: Data sent [10/48] 0x0

-[2] ExtSendGenericPkt: Data sent [11/48] 0x0

-[2] ExtSendGenericPkt: Data sent [12/48] 0x0

-[2] ExtSendGenericPkt: Data sent [13/48] 0x0

-[2] ExtSendGenericPkt: Data sent [14/48] 0x0

-[2] ExtSendGenericPkt: Data sent [15/48] 0x0

-[2] ExtSendGenericPkt: Data sent [16/48] 0x1

-[2] ExtSendGenericPkt: Data sent [17/48] 0x0

-[2] ExtSendGenericPkt: Data sent [18/48] 0x0

-[2] ExtSendGenericPkt: Data sent [19/48] 0x0

-[2] ExtSendGenericPkt: Data sent [20/48] 0x1

-[2] ExtSendGenericPkt: Data sent [21/48] 0x0

-[2] ExtSendGenericPkt: Data sent [22/48] 0x0

-[2] ExtSendGenericPkt: Data sent [23/48] 0x0

-[2] ExtSendGenericPkt: Data sent [24/48] 0x1

-[2] ExtSendGenericPkt: Data sent [25/48] 0x0

-[2] ExtSendGenericPkt: Data sent [26/48] 0x0

-[2] ExtSendGenericPkt: Data sent [27/48] 0x0

-[2] ExtSendGenericPkt: Data sent [28/48] 0x0

-[2] ExtSendGenericPkt: Data sent [29/48] 0x0

-[2] ExtSendGenericPkt: Data sent [30/48] 0x0

-[2] ExtSendGenericPkt: Data sent [31/48] 0x0

-[2] ExtSendGenericPkt: Data sent [32/48] 0x0

-[2] ExtSendGenericPkt: Data sent [33/48] 0x0

-[2] ExtSendGenericPkt: Data sent [34/48] 0x0

-[2] ExtSendGenericPkt: Data sent [35/48] 0x0

-[2] ExtSendGenericPkt: Data sent [36/48] 0x1

-[2] ExtSendGenericPkt: Data sent [37/48] 0x0

-[2] ExtSendGenericPkt: Data sent [38/48] 0x0

-[2] ExtSendGenericPkt: Data sent [39/48] 0x0

-[2] ExtSendGenericPkt: Data sent [40/48] 0x0

-[2] ExtSendGenericPkt: Data sent [41/48] 0x0

-[2] ExtSendGenericPkt: Data sent [42/48] 0x0

-[2] ExtSendGenericPkt: Data sent [43/48] 0x0

-[2] ExtSendGenericPkt: Data sent [44/48] 0x0

-[2] ExtSendGenericPkt: Data sent [45/48] 0x0

-[2] ExtSendGenericPkt: Data sent [46/48] 0x1

-[2] ExtSendGenericPkt: Data sent [47/48] 0x38

-[2] ExtSendGenericPkt: Data sent [48/48] 0xa0

-[2] ExtSendGenericPkt: OUT, error status 0

[1] ExtCommMain: EXT\_CANCEL\_LOGGING

-[2] ExtSendGenericPkt: IN

-[2] ExtSendGenericPkt: Packet type (before copy32): 9

-[2] ExtSendGenericPkt: Packet type (action) is: EXT\_CANCEL\_LOGGING

-[2] ExtSendGenericPkt: Packet size (before copy32): 0x4 (4)

-[2] ExtSendGenericPkt: Packet size (after copy32): 0x4000000

-[2] ExtSendGenericPkt: Sending packet header ====================

-[2] ExtSetTargetPkt: IN

<2>

[ 0x7e 0x7e 0x1 0x4 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x3 0x3 ]

<2>

[ 0x7e 0x7e 0x2 0x0 0x0 0x0 0x0 0x3 0x3 ]

[1] ExtGetPktBlocking: Received ACK\_PACKET -> waitForAck = FALSE;

[1] ExtSetPkt: waitForAck = FALSE -> clear to send

[1] ExtSetPktWithACK: ExtMode packet sent, setting waitForAck to TRUE

-[2] ExtSetTargetPkt: OUT, error status: 0

-[2] ExtSendGenericPkt: Sending packet data ====================

-[2] ExtSetTargetPkt: IN

<2>

[ 0x7e 0x7e 0x1 0x8 0x0 0x0 0x0 0x0 0x0 0x0 0x1b 0x0 0x0 0x0 0x8 0x3 0x3 ]

<2>

[ 0x7e 0x7e 0x2 0x0 0x0 0x0 0x0 0x3 0x3 ]

[1] ExtGetPktBlocking: Received ACK\_PACKET -> waitForAck = FALSE;

[1] ExtSetPkt: waitForAck = FALSE -> clear to send

[1] ExtSetPktWithACK: ExtMode packet sent, setting waitForAck to TRUE

-[2] ExtSetTargetPkt: OUT, error status: 0

-[2] ExtSendGenericPkt: Data sent [1/4] 0x0

-[2] ExtSendGenericPkt: Data sent [2/4] 0x0

-[2] ExtSendGenericPkt: Data sent [3/4] 0x0

-[2] ExtSendGenericPkt: Data sent [4/4] 0x1

-[2] ExtSendGenericPkt: OUT, error status 0

[1] ExtCommMain: HOST\_STATUS\_NOT\_ARMED

Got EXT\_SETPARAM\_RESPONSE from target with status OK.

<1>

[ 0x7e 0x7e 0x1 0x8 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x3 0x3 ]

Got EXT\_SELECT\_SIGNALS\_RESPONSE from target for upInfoIdx 0 with status OK.

[1] ExtCommMain: EXT\_SELECT\_TRIGGER

-[2] ExtSendGenericPkt: IN

-[2] ExtSendGenericPkt: Packet type (before copy32): 7

-[2] ExtSendGenericPkt: Packet type (action) is: EXT\_SELECT\_TRIGGER

-[2] ExtSendGenericPkt: Packet size (before copy32): 0x20 (32)

-[2] ExtSendGenericPkt: Packet size (after copy32): 0x20000000

-[2] ExtSendGenericPkt: Sending packet header ====================

-[2] ExtSetTargetPkt: IN

<2>

[ 0x7e 0x7e 0x2 0x0 0x0 0x0 0x0 0x3 0x3 ]

[1] ExtGetPktBlocking: Received ACK\_PACKET -> waitForAck = FALSE;

[1] ExtSetPkt: waitForAck = FALSE -> clear to send

[1] ExtSetPktWithACK: ExtMode packet sent, setting waitForAck to TRUE

-[2] ExtSetTargetPkt: OUT, error status: 0

-[2] ExtSendGenericPkt: Sending packet data ====================

-[2] ExtSetTargetPkt: IN

<2>

[ 0x7e 0x7e 0x1 0x8 0x0 0x0 0x0 0x0 0x0 0x0 0x1e 0x0 0x0 0x0 0x8 0x3 0x3 ]

<2>

[ 0x7e 0x7e 0x2 0x0 0x0 0x0 0x0 0x3 0x3 ]

[1] ExtGetPktBlocking: Received ACK\_PACKET -> waitForAck = FALSE;

[1] ExtSetPkt: waitForAck = FALSE -> clear to send

[1] ExtSetPktWithACK: ExtMode packet sent, setting waitForAck to TRUE

-[2] ExtSetTargetPkt: OUT, error status: 0

-[2] ExtSendGenericPkt: Data sent [1/32] 0x0

-[2] ExtSendGenericPkt: Data sent [2/32] 0x0

-[2] ExtSendGenericPkt: Data sent [3/32] 0x0

-[2] ExtSendGenericPkt: Data sent [4/32] 0x0

-[2] ExtSendGenericPkt: Data sent [5/32] 0x0

-[2] ExtSendGenericPkt: Data sent [6/32] 0x0

-[2] ExtSendGenericPkt: Data sent [7/32] 0x0

-[2] ExtSendGenericPkt: Data sent [8/32] 0x0

-[2] ExtSendGenericPkt: Data sent [9/32] 0x0

-[2] ExtSendGenericPkt: Data sent [10/32] 0x0

-[2] ExtSendGenericPkt: Data sent [11/32] 0x13

-[2] ExtSendGenericPkt: Data sent [12/32] 0x88

-[2] ExtSendGenericPkt: Data sent [13/32] 0x0

-[2] ExtSendGenericPkt: Data sent [14/32] 0x0

-[2] ExtSendGenericPkt: Data sent [15/32] 0x0

-[2] ExtSendGenericPkt: Data sent [16/32] 0x0

-[2] ExtSendGenericPkt: Data sent [17/32] 0x0

-[2] ExtSendGenericPkt: Data sent [18/32] 0x0

-[2] ExtSendGenericPkt: Data sent [19/32] 0x0

-[2] ExtSendGenericPkt: Data sent [20/32] 0x0

-[2] ExtSendGenericPkt: Data sent [21/32] 0x0

-[2] ExtSendGenericPkt: Data sent [22/32] 0x0

-[2] ExtSendGenericPkt: Data sent [23/32] 0x0

-[2] ExtSendGenericPkt: Data sent [24/32] 0x0

-[2] ExtSendGenericPkt: Data sent [25/32] 0x0

-[2] ExtSendGenericPkt: Data sent [26/32] 0x0

-[2] ExtSendGenericPkt: Data sent [27/32] 0x0

-[2] ExtSendGenericPkt: Data sent [28/32] 0x0

-[2] ExtSendGenericPkt: Data sent [29/32] 0x0

-[2] ExtSendGenericPkt: Data sent [30/32] 0x0

-[2] ExtSendGenericPkt: Data sent [31/32] 0x0

-[2] ExtSendGenericPkt: Data sent [32/32] 0x0

-[2] ExtSendGenericPkt: OUT, error status 0

-[2] CheckExtSerialPacket: Suspending processing until there are 17 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x8 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x1 0x3 0x3 ]

Got EXT\_CANCEL\_LOGGING\_RESPONSE from target for upInfoIdx 1 with status OK.

<1>

[ 0x7e 0x7e 0x2 0x0 0x0 0x0 0x0 0x3 0x3 ]

[1] ExtGetPktBlocking: Received ACK\_PACKET -> waitForAck = FALSE;

-[2] CheckExtSerialPacket: Suspending processing until there are 17 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x8 0x0 0x0 0x0 0x0 0x0 0x0 0x1c 0x0 0x0 0x0 0x8 0x3 0x3 ]

-[2] CheckExtSerialPacket: Suspending processing until there are 17 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x8 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x3 0x3 ]

Got EXT\_SELECT\_TRIGGER\_RESPONSE from target for upInfoIdx 0 with status OK.

[1] ExtCommMain: EXT\_ARM\_TRIGGER

-[2] ExtSendGenericPkt: IN

-[2] ExtSendGenericPkt: Packet type (before copy32): 8

-[2] ExtSendGenericPkt: Packet type (action) is: EXT\_ARM\_TRIGGER

-[2] ExtSendGenericPkt: Packet size (before copy32): 0x4 (4)

-[2] ExtSendGenericPkt: Packet size (after copy32): 0x4000000

-[2] ExtSendGenericPkt: Sending packet header ====================

-[2] ExtSetTargetPkt: IN

[1] ExtSetPkt: waitForAck = FALSE -> clear to send

[1] ExtSetPktWithACK: ExtMode packet sent, setting waitForAck to TRUE

-[2] ExtSetTargetPkt: OUT, error status: 0

-[2] ExtSendGenericPkt: Sending packet data ====================

-[2] ExtSetTargetPkt: IN

<2>

[ 0x7e 0x7e 0x2 0x0 0x0 0x0 0x0 0x3 0x3 ]

[1] ExtGetPktBlocking: Received ACK\_PACKET -> waitForAck = FALSE;

[1] ExtSetPkt: waitForAck = FALSE -> clear to send

[1] ExtSetPktWithACK: ExtMode packet sent, setting waitForAck to TRUE

-[2] ExtSetTargetPkt: OUT, error status: 0

-[2] ExtSendGenericPkt: Data sent [1/4] 0x0

-[2] ExtSendGenericPkt: Data sent [2/4] 0x0

-[2] ExtSendGenericPkt: Data sent [3/4] 0x0

-[2] ExtSendGenericPkt: Data sent [4/4] 0x0

-[2] ExtSendGenericPkt: OUT, error status 0

[1] ExtCommMain: HOST\_STATUS\_ARMED

<1>

[ 0x7e 0x7e 0x2 0x0 0x0 0x0 0x0 0x3 0x3 ]

[1] ExtGetPktBlocking: Received ACK\_PACKET -> waitForAck = FALSE;

-[2] CheckExtSerialPacket: Suspending processing until there are 17 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x8 0x0 0x0 0x0 0x0 0x0 0x0 0x1d 0x0 0x0 0x0 0x8 0x3 0x3 ]

-[2] CheckExtSerialPacket: Suspending processing until there are 17 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x8 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x3 0x3 ]

Got EXT\_ARM\_TRIGGER\_RESPONSE from target for upInfoIdx 0 with status OK.

[1] ExtCommMain: EXT\_MODEL\_START

-[2] ExtSendGenericPkt: IN

-[2] ExtSendGenericPkt: Packet type (before copy32): 10

-[2] ExtSendGenericPkt: Packet type (action) is: EXT\_MODEL\_START

-[2] ExtSendGenericPkt: Packet size (before copy32): 0x0 (0)

-[2] ExtSendGenericPkt: Packet size (after copy32): 0x0

-[2] ExtSendGenericPkt: Sending packet header ====================

-[2] ExtSetTargetPkt: IN

[1] ExtSetPkt: waitForAck = FALSE -> clear to send

[1] ExtSetPktWithACK: ExtMode packet sent, setting waitForAck to TRUE

-[2] ExtSetTargetPkt: OUT, error status: 0

-[2] ExtSendGenericPkt: OUT, error status 0

[1] ExtCommMain: HOST\_STATUS\_RUNNING

<1>

[ 0x7e 0x7e 0x2 0x0 0x0 0x0 0x0 0x3 0x3 ]

[1] ExtGetPktBlocking: Received ACK\_PACKET -> waitForAck = FALSE;

-[2] CheckExtSerialPacket: Suspending processing until there are 17 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x8 0x0 0x0 0x0 0x0 0x0 0x0 0x16 0x0 0x0 0x0 0x0 0x3 0x3 ]

Got EXT\_MODEL\_START\_RESPONSE packet from target.

-[2] CheckExtSerialPacket: Suspending processing until there are 265 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x0 0x1 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3c 0xa3 0xd7 0xa 0x0 0x0 0x0 0x0 0x3e 0x19 0x99 0x9a 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3d 0x23 0xd7 0xa 0x0 0x0 0x0 0x0 0x3e 0x99 0x99 0x9a 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3d 0x75 0xc2 0x8e 0x0 0x0 0x0 0x0 0x3e 0xe6 0x66 0x66 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3d 0xa3 0xd7 0xa 0x0 0x0 0x0 0x0 0x3f 0x19 0x99 0x9a 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3d 0xcc 0xcc 0xcc 0x0 0x0 0x0 0x0 0x3f 0x40 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3d 0xf5 0xc2 0x8e 0x0 0x0 0x0 0x0 0x3f 0x66 0x66 0x66 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0xf 0x5c 0x28 0x0 0x0 0x0 0x0 0x3f 0x86 0x66 0x66 0x3 0x3 ]

-[2] CheckExtSerialPacket: Suspending processing until there are 409 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x90 0x1 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0x23 0xd7 0xa 0x0 0x0 0x0 0x0 0x3f 0x99 0x99 0x9a 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0x38 0x51 0xea 0x0 0x0 0x0 0x0 0x3f 0xac 0xcc 0xcc 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0x4c 0xcc 0xcc 0x0 0x0 0x0 0x0 0x3f 0xc0 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0x61 0x47 0xac 0x0 0x0 0x0 0x0 0x3f 0xd3 0x33 0x32 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0x75 0xc2 0x8e 0x0 0x0 0x0 0x0 0x3f 0xe6 0x66 0x66 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0x85 0x1e 0xb8 0x0 0x0 0x0 0x0 0x3f 0xf9 0x99 0x9a 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0x8f 0x5c 0x28 0x0 0x0 0x0 0x0 0x40 0x6 0x66 0x66 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0x99 0x99 0x99 0x0 0x0 0x0 0x0 0x40 0x10 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0xa3 0xd7 0xa 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0xae 0x14 0x7a 0x0 0x0 0x0 0x0 0x3e 0x19 0x99 0x9a 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0xb8 0x51 0xea 0x0 0x0 0x0 0x0 0x3e 0x99 0x99 0x9a 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0xc2 0x8f 0x5a 0x0 0x0 0x0 0x0 0x3e 0xe6 0x66 0x66 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x3 0x3 ]

-[2] CheckExtSerialPacket: Suspending processing until there are 409 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x90 0x1 0x0 0x0 0x0 0x0 0x0 0x0 0x3e 0xcc 0xcc 0xcc 0x0 0x0 0x0 0x0 0x3f 0x19 0x99 0x9a 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0xd7 0xa 0x3c 0x0 0x0 0x0 0x0 0x3f 0x40 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0xe1 0x47 0xac 0x0 0x0 0x0 0x0 0x3f 0x66 0x66 0x66 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0xeb 0x85 0x1e 0x0 0x0 0x0 0x0 0x3f 0x86 0x66 0x66 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0xf5 0xc2 0x8e 0x0 0x0 0x0 0x0 0x3f 0x99 0x99 0x9a 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3e 0xff 0xff 0xfe 0x0 0x0 0x0 0x0 0x3f 0xac 0xcc 0xcc 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x5 0x1e 0xb8 0x0 0x0 0x0 0x0 0x3f 0xc0 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0xa 0x3d 0x70 0x0 0x0 0x0 0x0 0x3f 0xd3 0x33 0x32 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0xf 0x5c 0x28 0x0 0x0 0x0 0x0 0x3f 0xe6 0x66 0x66 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x14 0x7a 0xe1 0x0 0x0 0x0 0x0 0x3f 0xf9 0x99 0x9a 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x19 0x99 0x99 0x0 0x0 0x0 0x0 0x40 0x6 0x66 0x66 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x1e 0xb8 0x51 0x0 0x0 0x0 0x0 0x40 0x10 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 **0x3f 0x23 0xd7 0xa** 0x0 0x0 0x0 0x0 **0x0 0x0 0x0 0x0** 0x3 0x3 ]

-[2] CheckExtSerialPacket: Suspending processing until there are 409 bytes in the comms line buffer / RX ring buffer.

At this moment in time, the parameter set download is initiated on the host. The last complete log data record indicates a timestamp of t = **0x3F23D70A** = 0.64 s, signal value: **0x00000000** = 0).

Downloading parameters for:

block : atest/Gain

Parameter name : Gain

Data Type Trans: 0

Start index : 0

nEls: : 1

Data Type : [double, 0]

Values:

**0.10000000000000001**

The host first sends an **EXT\_SETPARAM package**, announcing a **parameter set package** of 24 (0x18) bytes. This action package needs to get acknowledge by the target. The host thus sets variable *waitForAck* to true.

[1] ExtCommMain: **EXT\_SETPARAM**

-[2] ExtSendGenericPkt: IN

-[2] ExtSendGenericPkt: Packet type (before copy32): 4

-[2] ExtSendGenericPkt: Packet type (action) is: EXT\_SETPARAM

-[2] ExtSendGenericPkt: Packet size (before copy32): **0x18** (24)

-[2] ExtSendGenericPkt: Packet size (after copy32): 0x18000000

-[2] ExtSendGenericPkt: **Sending packet header** ====================

-[2] ExtSetTargetPkt: IN

[1] ExtSetPkt: waitForAck = FALSE -> **clear to send**

[1] ExtSetPktWithACK: ExtMode **packet sent, setting waitForAck to TRUE**

-[2] ExtSetTargetPkt: OUT, error status: 0

-[2] ExtSendGenericPkt: **Sending packet data** ====================

-[2] ExtSetTargetPkt: IN

While waiting for the next ACK\_PACKET from the target, the host receives the next log data package. The first log data record in this packet has a timestamp of t = **0x3F28F5C2** = 0.65999997 s ≈ 0.66 s (signal value: **0x3E19999A** = 1.15), i. e. this is the next time step (see above).

Note that the last log data record in this package does not completely fit into the upload FIFO buffer. This record is thus spread over two FIFO packages. The last complete log data record in this package has a timestamp of t = **0x3F6147AC** = 0.8799999 s ≈ 0.88 s (signal value: **0x3FE66666** = 1.8):

<2>

[ 0x7e 0x7e 0x1 0x90 0x1 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 **0x3f 0x28 0xf5 0xc2** 0x0 0x0 0x0 0x0 **0x3e 0x19 0x99 0x9a** 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x2e 0x14 0x7a 0x0 0x0 0x0 0x0 0x3e 0x99 0x99 0x9a 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x33 0x33 0x32 0x0 0x0 0x0 0x0 0x3e 0xe6 0x66 0x66 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x38 0x51 0xea 0x0 0x0 0x0 0x0 0x3f 0x19 0x99 0x9a 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x3d 0x70 0xa2 0x0 0x0 0x0 0x0 0x3f 0x40 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x42 0x8f 0x5a 0x0 0x0 0x0 0x0 0x3f 0x66 0x66 0x66 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x47 0xae 0x14 0x0 0x0 0x0 0x0 0x3f 0x86 0x66 0x66 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x4c 0xcc 0xcc 0x0 0x0 0x0 0x0 0x3f 0x99 0x99 0x9a 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x51 0xeb 0x84 0x0 0x0 0x0 0x0 0x3f 0xac 0xcc 0xcc 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x57 0xa 0x3c 0x0 0x0 0x0 0x0 0x3f 0xc0 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x5c 0x28 0xf4 0x0 0x0 0x0 0x0 0x3f 0xd3 0x33 0x32 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 **0x3f 0x61 0x47 0xac** 0x0 0x0 0x0 0x0 **0x3f 0xe6 0x66 0x66** 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x3 0x3 ]

**The interruption of this “split log data record” by the sending of the parameter set (and receiving of the corresponding acknowledgement) appears to be the only anomaly of the host-target communication**. The cause of the observed deadlock situation should therefore be sought in conjunction with the distributed reception of long data records.

Further experiments reveal that the same route to communication breakdown is observed when a split log data record is interrupted by the sending of the EXT\_SETPARAM packet, i. e. the *first* of the two host-to-target transmissions which constitute a complete parameter download sequence. Note that, in the example shown above, the interruption took place during the *second* of these two transmissions, i. e. when sending the actual parameter set package.

Upon receiving the awaited ACK\_PACKAGE, the host resets *waitForAck*, thereby being clear to send the actual parameter set data:

<2>

**[ 0x7e 0x7e 0x2 0x0 0x0 0x0 0x0 0x3 0x3 ]**

[1] ExtGetPktBlocking: **Received ACK\_PACKET** -> waitForAck = FALSE;

[1] ExtSetPkt: waitForAck = FALSE -> **clear to send**

[1] ExtSetPktWithACK: ExtMode **packet sent, setting waitForAck to TRUE**

-[2] ExtSetTargetPkt: OUT, error status: 0

-[2] ExtSendGenericPkt: Data sent [1/24] 0x0

-[2] ExtSendGenericPkt: Data sent [2/24] 0x0

-[2] ExtSendGenericPkt: Data sent [3/24] 0x0

-[2] ExtSendGenericPkt: Data sent [4/24] 0x1

-[2] ExtSendGenericPkt: Data sent [5/24] 0x0

-[2] ExtSendGenericPkt: Data sent [6/24] 0x0

-[2] ExtSendGenericPkt: Data sent [7/24] 0x0

-[2] ExtSendGenericPkt: Data sent [8/24] 0x0

-[2] ExtSendGenericPkt: Data sent [9/24] 0x0

-[2] ExtSendGenericPkt: Data sent [10/24] 0x0

-[2] ExtSendGenericPkt: Data sent [11/24] 0x0

-[2] ExtSendGenericPkt: Data sent [12/24] 0x0

-[2] ExtSendGenericPkt: Data sent [13/24] 0x0

-[2] ExtSendGenericPkt: Data sent [14/24] 0x0

-[2] ExtSendGenericPkt: Data sent [15/24] 0x0

-[2] ExtSendGenericPkt: Data sent [16/24] 0x1

-[2] ExtSendGenericPkt: Data sent [17/24] 0x0

-[2] ExtSendGenericPkt: Data sent [18/24] 0x0

-[2] ExtSendGenericPkt: Data sent [19/24] 0x0

-[2] ExtSendGenericPkt: Data sent [20/24] 0x0

-[2] ExtSendGenericPkt: Data sent [21/24] **0x3d**

-[2] ExtSendGenericPkt: Data sent [22/24] **0xcc**

-[2] ExtSendGenericPkt: Data sent [23/24] **0xcc**

-[2] ExtSendGenericPkt: Data sent [24/24] **0xcd**

-[2] ExtSendGenericPkt: OUT, error status 0

Having transmitted the parameter set package, the host waits for an ACK\_PACKET by the target (*waitForAck* has been set to true, see above). However, this ACK\_PACKET never appears to arrive / is never noticed by the host. Consequently, the host side of the External Mode communication interface is blocked.

Note that the target appears to have sent this ACK\_PACKAGE package and itself is now awaiting an ACK\_PACKAGE from the host to continue with the upload of log data (see [ExtModeLog\_stuck\_upon\_setParam\_Target, p. 64](ExtModeLog_stuck_upon_setParam_Target.docx#lastACK_PACKET)).