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:

0.10000000000000001

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] 0x3d

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

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

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

-[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;

<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 0x4c 0xcc 0xcc 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 0x66 0x66 0x66 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 0x80 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 0x8c 0xcc 0xcc 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 0x99 0x99 0x99 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 0xa6 0x66 0x66 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 0x3f 0xb3 0x33 0x33 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 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 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 0x3d 0xcc 0xcc 0xcc 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 0x4c 0xcc 0xcc 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 0x99 0x99 0x99 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 0x3e 0xcc 0xcc 0xcc 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 0x0 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 0x19 0x99 0x99 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 0x33 0x33 0x33 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 0x4c 0xcc 0xcc 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 0x66 0x66 0x66 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 0x80 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 0x8c 0xcc 0xcc 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 0x99 0x99 0x99 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 0xa6 0x66 0x66 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 0x3f 0xb3 0x33 0x33 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 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 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.

<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 0x3f 0x28 0xf5 0xc2 0x0 0x0 0x0 0x0 0x3d 0xcc 0xcc 0xcc 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 0x4c 0xcc 0xcc 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 0x99 0x99 0x99 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 0x3e 0xcc 0xcc 0xcc 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 0x0 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 0x19 0x99 0x99 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 0x33 0x33 0x33 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 0x4c 0xcc 0xcc 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 0x66 0x66 0x66 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 0x80 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 0x8c 0xcc 0xcc 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 0x99 0x99 0x99** 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 249 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 = **0x3F6147AC** = 0.8799999 s ≈ 0.88 s, signal value: **0x3F999999** = 1.1999999 ≈ 1.2). Note that the next log data record does not fit into the FIFO buffer anymore (maximum number of bytes: MAX\_SERIAL\_PKT\_SIZE, here: 0x00 0x00 0x01 0x90 = 400 bytes). The record is thus split over this and the next log data package.

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**

[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

<2>

[ 0x7e 0x7e 0x1 0xf0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 **0x3f 0x66 0x66 0x66** 0x0 0x0 0x0 0x0 **0x3f 0xa6 0x66 0x66** 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x6b 0x85 0x1e 0x0 0x0 0x0 0x0 0x3f 0xb3 0x33 0x33 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x70 0xa3 0xd6 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 0x75 0xc2 0x8e 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 0x3f 0x7a 0xe1 0x46 0x0 0x0 0x0 0x0 0x3d 0xcc 0xcc 0xcc 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x7f 0xff 0xfe 0x0 0x0 0x0 0x0 0x3e 0x4c 0xcc 0xcc 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x82 0x8f 0x5b 0x0 0x0 0x0 0x0 0x3e 0x99 0x99 0x99 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 **0x3f 0x85 0x1e 0xb8** 0x0 0x0 0x0 0x0 **0x3e 0xcc 0xcc 0xcc** 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**

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

While waiting for the next ACK\_PACKET from the target, the host receives the next log data package. Note that the previously started log data record is completed at the beginning of this package (timestamp t = **0x3F666666** = 0.9 s, signal value: **0x3FA66666** = 1.3). The splitting of log data records over multiple log data packages thus does not appear to pose any problem. The last log data record in this package has a timestamp of t = **0x3F851EB8** = 1.04 s, signal value: **0x3ECCCCCC** = 0.39999998 ≈ 0.4).

Upon finally receiving the awaited ACK\_PACKAGE, the host resets *waitForAck*, thereby being clear to send the actual parameter set data. Upon transmitting this package, the host sets *waitForAck* to true again.

[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] **0x3e**

-[2] ExtSendGenericPkt: Data sent [22/24] **0x19**

-[2] ExtSendGenericPkt: Data sent [23/24] **0x99**

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

-[2] ExtSendGenericPkt: OUT, error status 0

Waiting for the ACK\_PACKET to the just transmitted parameter set, the host receives an unexpected packet header. It is suspected that ACK\_PACKET is sent during an ongoing log data transmission. The host thus resets the package counter and remains in the state “*waitForAck = true*” (🡪 **awaiting an ACK\_PACKET from the target**). All further log data seems to be discard until, eventually, a valid package is received.

[1] CheckExtSerialPacket: Error. Received unexpected packet\_head...

[1] CheckExtSerialPacket: Error. Detected unexpected packet\_head (0x7e

[1] CheckExtSerialPacket: Error. Received unexpected packet\_head...

[1] CheckExtSerialPacket: Error. Detected unexpected packet\_head (0x7e

[1] CheckExtSerialPacket: Packet error. Resetting packet counter...

[1] CheckExtSerialPacket: Packet error at byte position 248

[1] CheckExtSerialPacket: Packet error. Resetting packet counter...

(...)

[1] CheckExtSerialPacket: Packet error. Resetting packet counter...

[1] CheckExtSerialPacket: Packet error at byte position 248

[1] CheckExtSerialPacket: Packet error. Resetting packet counter...

[1] CheckExtSerialPacket: Packet error at byte position 248

-[2] CheckExtSerialPacket: Suspending processing until there are 322 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x30 0x1 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 **0x3f 0x87 0xae 0x14** 0x0 0x0 0x0 0x0 **0x3f 0x0 0x0 0x0** 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x8a 0x3d 0x70 0x0 0x0 0x0 0x0 0x3f 0x19 0x99 0x99 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x8c 0xcc 0xcc 0x0 0x0 0x0 0x0 0x3f 0x33 0x33 0x33 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x8f 0x5c 0x28 0x0 0x0 0x0 0x0 0x3f 0x4c 0xcc 0xcc 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x91 0xeb 0x84 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 0x94 0x7a 0xe1 0x0 0x0 0x0 0x0 0x3f 0x80 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x97 0xa 0x3d 0x0 0x0 0x0 0x0 0x3f 0x8c 0xcc 0xcc 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0x99 0x99 0x99 0x0 0x0 0x0 0x0 0x3f 0x99 0x99 0x99 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 **0x3f 0x9c 0x28 0xf5** 0x0 0x0 0x0 0x0 **0x3f 0xa6 0x66 0x66** 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x3 0x3 ]

The first log data record in this package indicates a timestamp of t = **0x3F87AE14** = 1.3 s, signal value: **0x3F000000** = 0.5, see below). There thus is a gap of 1.3 – 1.04 = 0.26 s during which all log data packages seem to have been discarded. At timestamp t = **0x3F9C28F5** = 1.2199999 s ≈ 1.22 s (signal value: **0x3FA66666** = 1.3) an **ACK\_PACKET is finally received**. The host is thus clear to send again.

<1>

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

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

-[2] CheckExtSerialPacket: Suspending processing until there are 249 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0xf0 0x0 0x0 0x0 0x0 0x0 0x0 0x0 0x3f 0x9e 0xb8 0x51 0x0 0x0 0x0 0x0 0x3f 0xb3 0x33 0x33 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0xa1 0x47 0xad 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 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 0x3f 0xa6 0x66 0x66 0x0 0x0 0x0 0x0 0x3d 0xcc 0xcc 0xcc 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0xa8 0xf5 0xc2 0x0 0x0 0x0 0x0 0x3e 0x4c 0xcc 0xcc 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0xab 0x85 0x1e 0x0 0x0 0x0 0x0 0x3e 0x99 0x99 0x99 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x3f 0xae 0x14 0x7a 0x0 0x0 0x0 0x0 0x3e 0xcc 0xcc 0xcc 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 **0x3f 0xb0 0xa3 0xd6** 0x0 0x0 0x0 0x0 **0x3f 0x0 0x0 0x0** 0x3 0x3 ]

At timestamp t = **0x3FB0A3D6** = 1.3799999 s ≈ 1.38 s (signal value: **0x3F000000** = 0.5) an **EXT\_TERMINATE\_LOG\_EVENT** package (action: **0x1F** = 31, event data size: **4**) from the target is received and duely processed:

-[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 0x1f 0x0 0x0 0x0 0x4** 0x3 0x3 ]

-[2] CheckExtSerialPacket: Suspending processing until there are 13 bytes in the comms line buffer / RX ring buffer.

<1>

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

The next received package is the still outstanding **EXT\_SETPARAM\_RESPONSE** package (action: **0x12** = 18, event data size: **4**):

-[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 0x12 0x0 0x0 0x0 0x4** 0x3 0x3 ]

-[2] CheckExtSerialPacket: Suspending processing until there are 13 bytes in the comms line buffer / RX ring buffer.

<1>

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

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

This finally puts the host back into normal mode. The next user interaction, which might have occurred before, is thus processed. This is the “STOP model” user action. The host initiates the shutting down of the External Mode communication interface:

-[2] CheckExtSerialPacket: Suspending processing until there are 297 bytes in the comms line buffer / RX ring buffer.

[1] ExtCommMain: EXT\_MODEL\_STOP

[1] ExtCommMain: HOST\_STATUS\_STOPPING

-[2] ExtSendGenericPkt: IN

-[2] ExtSendGenericPkt: Packet type (before copy32): 11

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

-[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>

[ 0x7e 0x7e 0x1 0x20 0x1 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x41 0x7 0xff 0xff 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 0x41 0x8 0x51 0xeb 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 0x41 0x8 0xa3 0xd6 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 0x41 0x8 0xf5 0xc2 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 0x41 0x9 0x47 0xad 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 0x41 0x9 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 0x41 0x9 0xeb 0x84 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 0x41 0xa 0x3d 0x70 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 0x41 0xa 0x8f 0x5b 0x0 0x0 0x0 0x0 0x3e 0x19 0x99 0x9a 0x3 0x3 ]

<1>

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

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

-[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 0x41 0xa 0xe1 0x47 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 0x41 0xb 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 0x41 0xb 0x85 0x1e 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 0x41 0xb 0xd7 0xa 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 0x41 0xc 0x28 0xf5 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 0x41 0xc 0x7a 0xe1 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 0x41 0xc 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 0x41 0xd 0x1e 0xb8 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 0x41 0xd 0x70 0xa3 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 0x41 0xd 0xc2 0x8f 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 0x41 0xe 0x14 0x7a 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 0x41 0xe 0x66 0x66 0x0 0x0 0x0 0x0 0x3f 0xf9 0x99 0x9a 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 0x41 0xe 0xb8 0x51 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 0x41 0xf 0xa 0x3d 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 0x41 0xf 0x5c 0x28 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 0x41 0xf 0xae 0x14 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 0x41 0xf 0xff 0xff 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 0x41 0x10 0x51 0xeb 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 0x41 0x10 0xa3 0xd6 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 0x41 0x10 0xf5 0xc2 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 0x41 0x11 0x47 0xad 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 0x41 0x11 0x99 0x99 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 0x41 0x11 0xeb 0x84 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 0x41 0x12 0x3d 0x70 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 0x41 0x12 0x8f 0x5b 0x0 0x0 0x0 0x0 0x3f 0xc0 0x0 0x0 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 0x41 0x12 0xe1 0x47 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 0x41 0x13 0x33 0x32 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 0x41 0x13 0x85 0x1e 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 0x41 0x13 0xd7 0xa 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 0x41 0x14 0x28 0xf5 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 0x41 0x14 0x7a 0xe1 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 0x41 0x14 0xcc 0xcc 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 0x41 0x15 0x1e 0xb8 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 0x41 0x15 0x70 0xa3 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 0x41 0x15 0xc2 0x8f 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 0x41 0x16 0x14 0x7a 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 0x41 0x16 0x66 0x66 0x0 0x0 0x0 0x0 0x3f 0x66 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 0x41 0x16 0xb8 0x51 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 0x41 0x17 0xa 0x3d 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 0x41 0x17 0x5c 0x28 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 0x41 0x17 0xae 0x14 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 0x41 0x17 0xff 0xff 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 0x41 0x18 0x51 0xeb 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 0x41 0x18 0xa3 0xd6 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 0x41 0x18 0xf5 0xc2 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 0x41 0x19 0x47 0xad 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 0x41 0x19 0x99 0x99 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 0x41 0x19 0xeb 0x84 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 0x41 0x1a 0x3d 0x70 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 0x41 0x1a 0x8f 0x5b 0x0 0x0 0x0 0x0 0x3e 0xe6 0x66 0x66 0x3 0x3 ]

-[2] CheckExtSerialPacket: Suspending processing until there are 73 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x40 0x0 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x41 0x1a 0xe1 0x47 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 0x41 0x1b 0x33 0x32 0x0 0x0 0x0 0x0 0x3f 0x40 0x0 0x0 0x3 0x3 ]

-[2] CheckExtSerialPacket: Suspending processing until there are 57 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x30 0x0 0x0 0x0 0x0 0x0 0x0 0x1a 0x0 0x0 0x0 0x18 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x1 0x0 0x0 0x0 0x0 0x41 0x1b 0x85 0x1e 0x0 0x0 0x0 0x0 0x3f 0x66 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 281 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x10 0x1 0x0 0x0 0x0 0x0 0x0 0x0 0x41 0x1b 0xd7 0xa 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 0x41 0x1c 0x28 0xf5 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 0x41 0x1c 0x7a 0xe1 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 0x41 0x1c 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 0x41 0x1d 0x1e 0xb8 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 0x41 0x1d 0x70 0xa3 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 0x41 0x1d 0xc2 0x8f 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 0x41 0x1e 0x14 0x7a 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 **0x41 0x1e 0x66 0x66** 0x0 0x0 0x0 0x0 **0x40 0x10 0x0 0x0** 0x3 0x3 ]

At timestamp t = **0x416E6666** = 9.9 s (signal value: **0x40100000** = 2.25) an **EXT\_TERMINATE\_LOG\_EVENT** package (action: **0x1F** = 31, event data size: **4**) from the target is received. This is the last EXT\_TERMINATE\_LOG\_EVENT prior to shutting down the target, see [ExtModeLog\_packetError\_upon\_setParam\_Target, p. 11](ExtModeLog_packetError_upon_setParam_Target.docx#explanation)).

-[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 0x1f 0x0 0x0 0x0 0x4** 0x3 0x3 ]

-[2] CheckExtSerialPacket: Suspending processing until there are 13 bytes in the comms line buffer / RX ring buffer.

<1>

[ 0x7e 0x7e 0x1 0x4 0x0 0x0 0x0 **0x0 0x0 0x0 0x0** 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 0x14 0x0 0x0 0x0 0x0** 0x3 0x3 ]

**Got EXT\_MODEL\_SHUTDOWN packet from target**.

[1] ExtCommMain: EXT\_DISCONNECT\_CONFIRMED

[1] ExtDisconnectConfirmed: IN

-[2] FreeAndNullUserData: IN

-[2] FreeAndNullUserData: OUT

[1] ExtDisconnectConfirmed: OUT

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