

Author: Sven Dornbusch, dornbusch@mpifr-bonn.mpg.de

Legend of notation:

[A]	→	expression A is optional
(A B)	→	either expression A or expression B
<x>	→	a placeholder for a value names „x“

All parameters of the commands have to be specified after an equal sign, separated by commas.

Example: offset=5,0,128

reset

Resets all ADB3L boards and sets the registers to default values

Arguments: –

reseth

Resets all ADB3L boards, does not change the registers

Arguments: –

resets

Resets only the ADB3L registers to default values for specified board, and optional for specified sampler.

Arguments: =board[,sampler]

biston

Turns on BIST-Mode for all samplers on specified board, requires sampler reset with „reseth“.

Arguments: =board

bistoff

Turns off BIST-Mode for all samplers on specified board

Arguments: =board

SDA_on

Turns on SDA Mode (Sampler Delay adjust) for specified board and sampler. Has to be used before adjusting the delay of a sampler with the delay command. Introduces a delay offset of 60 ps.

Arguments: =board,sampler

delay

Sets the delay value for specified board and sampler. The range is 0(-60ps) – 1023(+60ps), the default is 512(0ps). The step size is 120 fs, giving a total range of 120 ps, 60 ps in either direction from the default.

Arguments: =board,sampler,value

offset

Sets the offset value for specified board and sampler. The range is 0 (-20mV) – 255(+20mV), the default is 128(0mV). The step size is 156 μ V.

Arguments: =board,sampler,value

gain

Sets the gain value for specified board and sampler. The range is 0(-0.5dB) – 255(+0.5dB), the default is 128(0dB). The step size is 0.004dB.

Arguments: =board,sampler,value