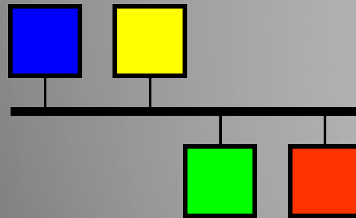




CAENels
Gear For Science

EPICS



BIBEST EPICS IOC

1.0 -2

All rights reserved.

© CAEN ELS s.r.l.

Thursday 17th March, 2022

1 IOC RECORDS

1.1 \$(P):TetrAMM0:Ch1

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	TetrAMM Input Channel 1
FTVL	DOUBLE
EGU	Amper
NELM	1024
SCAN	1 second

Long description:

Waveform from input channel of TetrAmm picoammeter unit, BPM0. Default sampling frequency is 1kHz (decimation from 100kHz).

1.2 \$(P):TetrAMM1:Ch1

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	TetrAMM Input Channel 1
FTVL	DOUBLE
EGU	Amper
NELM	1024
SCAN	1 second

Long description:

Waveform from input channel of TetrAmm picoammeter unit, BPM1. Default sampling frequency is 1kHz (decimation from 100kHz).

1.3 \$(P):TetrAMM0:Ch2

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	TetrAMM Input Channel 2
FTVL	DOUBLE
EGU	Amper
NELM	1024
SCAN	1 second

Long description:

Waveform from input channel of TetrAmm picoammeter unit, BPM0. Default sampling frequency is 1kHz (decimation from 100kHz).

1.4 \$(P):TetrAMM1:Ch2

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	TetrAMM Input Channel 2
FTVL	DOUBLE
EGU	Amper
NELM	1024
SCAN	1 second

Long description:

Waveform from input channel of TetrAmm picoammeter unit, BPM1. Default sampling fre-

quency is 1kHz (decimation from 100kHz).

1.5 \$(P):TetrAMM0:Ch3

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	TetrAMM Input Channel 3
FTVL	DOUBLE
EGU	Amper
NELM	1024
SCAN	1 second

Long description:

Waveform from input channel of TetrAmm picoammeter unit, BPM0. Default sampling frequency is 1kHz (decimation from 100kHz).

1.6 \$(P):TetrAMM1:Ch3

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	TetrAMM Input Channel 3
FTVL	DOUBLE
EGU	Amper
NELM	1024
SCAN	1 second

Long description:

Waveform from input channel of TetrAmm picoammeter unit, BPM1. Default sampling frequency is 1kHz (decimation from 100kHz).

1.7 \$(P):TetrAMM0:Ch4

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	TetrAMM Input Channel 4
FTVL	DOUBLE
EGU	Amper
NELM	1024
SCAN	1 second

Long description:

Waveform from input channel of TetrAmm picoammeter unit, BPM0. Default sampling frequency is 1kHz (decimation from 100kHz).

1.8 \$(P):TetrAMM1:Ch4

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	TetrAMM Input Channel 4
FTVL	DOUBLE
EGU	Amper
NELM	1024
SCAN	1 second

Long description:

Waveform from input channel of TetrAmm picoammeter unit, BPM1. Default sampling frequency is 1kHz (decimation from 100kHz).

1.9 \$(P):TetrAMM0:Range

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	TetrAMM Range

Long description:

Change TetrAMM range, BPM0.

1.10 \$(P):TetrAMM1:Range

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	TetrAMM Range

Long description:

Change TetrAMM range, BPM1.

1.11 \$(P):BPM0:PosX

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	Position X
FTVL	DOUBLE
EGU	um
NELM	1024
SCAN	1 second

Long description:

X position, BPM0.

1.12 \$(P):BPM1:PosX

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	Position X
FTVL	DOUBLE
EGU	um
NELM	1024
SCAN	1 second

Long description:

X position, BPM1.

1.13 \$(P):BPM0:PosY

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	Position Y
FTVL	DOUBLE
EGU	um
NELM	1024
SCAN	1 second

Long description:

Y position, BPM0.

1.14 \$(P):BPM1:PosY

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	Position Y
FTVL	DOUBLE
EGU	um
NELM	1024
SCAN	1 second

Long description:

Y position, BPM1.

1.15 \$(P):BPM0:Int

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	Intensity
FTVL	DOUBLE
EGU	Amper
NELM	1024
SCAN	1 second

Long description:

Intensity, BPM0.

1.16 \$(P):BPM1:Int

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	Intensity
FTVL	DOUBLE
EGU	Amper
NELM	1024
SCAN	1 second

Long description:

Intensity, BPM0.

1.17 \$(P):BPM0:ScaleX

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	Set BPM0 position X
EGU	um/1

Long description:

X position scaling parameter, BPM0.

1.18 \$(P):BPM0:ScaleX_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Get BPM0 position X
EGU	um/1
SCAN	1 second

Long description:

X position scaling parameter, BPM0, readback value.

1.19 \$(P):BPM1:ScaleX

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	Set BPM1 position X
EGU	um/1

Long description:

X position scaling parameter, BPM1.

1.20 \$(P):BPM1:ScaleX_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Get BPM1 position X
EGU	um/1
SCAN	1 second

Long description:

X position scaling parameter, BPM1, readback value.

1.21 \$(P):BPM0:ScaleY

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	Set BPM0 position X
EGU	um/1

Long description:

Y position scaling parameter, BPM0.

1.22 \$(P):BPM0:ScaleY_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Get BPM position Y
EGU	um/1
SCAN	1 second

Long description:

Y position scaling parameter, BPM0, readback value.

1.23 \$(P):BPM1:ScaleY

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	Set BPM1 position Y
EGU	um/1

Long description:

Y position scaling parameter, BPM1.

1.24 \$(P):BPM1:ScaleY_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	BPM position Y
EGU	um/1
SCAN	1 second

Long description:

Y position scaling parameter, BPM1, readback value.

1.25 \$(P):NumberTetrAMM

Record Type: mbbi

Fields:

Field	Value
DTYP	CAENels BEST Mbbi
ZRST	No TetrAMMs
ONST	1 TetrAMM
TWST	2 TetrAMMs
SCAN	1 second

Long description:

Number of TetrAMMs/EnBOXes connected on the SFP.

1.26 \$(P):PID:Status

Record Type: mbbi

Fields:

Field	Value
DTYP	CAENels BEST Mbbi
DESC	PID status
ZRST	Stopped
ONST	Stopped by ROC
TWST	Paused
THST	Running
SCAN	1 second

Long description:

Status of PID controller.

1.27 \$(P):PID:Enable

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	PID Enable
ZNAM	OFF
ONAM	ON

Long description:

Enable/disable PID controller.

1.28 \$(P):PID:Reset

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	PID Reset
VAL	0
ONAM	ON
ZNAM	OFF
HIGH	1

Long description:

Reset of PID controller.

1.29 \$(P):PID:SetpointXlf

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID Setpoint Xlf
EGU	um

Long description:

Beam Setpoint on Xlf position.

1.30 \$(P):PID:SetpointYlf

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID Setpoint Ylf
EGU	um

Long description:

Beam Setpoint on Ylf position.

1.31 \$(P):PID:SetpointXlf_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID Setpoint Xlf
EGU	um
SCAN	1 second

Long description:

Beam Setpoint on Xlf position, readback value.

1.32 \$(P):PID:SetpointYlf_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID Setpoint Ylf
EGU	um
SCAN	1 second

Long description:

Beam Setpoint on Ylf position, readback value.

1.33 \$(P):PID:OffsetXlf

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID Offset Xlf
EGU	V

Long description:

Beam Offset on Xlf position.

1.34 \$(P):PID:OffsetXlf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Offset Xlf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Beam Offset on Xlf position, readback value.

1.35 \$(P):PID:OffsetXhf

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID Offset Xhf
EGU	V

Long description:

Beam Offset on Xhf position.

1.36 \$(P):PID:OffsetXhf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Offset Xhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Beam Offset on Xhf position, readback value.

1.37 \$(P):PID:OffsetYlf

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID Offset Ylf
EGU	V

Long description:

Beam Offset on Ylf position.

1.38 \$(P):PID:OffsetYlf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Offset Ylf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Beam Offset on Ylf position, readback value.

1.39 \$(P):PID:OffsetYhf

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID Offset Yhf
EGU	V

Long description:

Beam Offset on Yhf position.

1.40 \$(P):PID:OffsetYhf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Offset Yhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Beam Offset on Yhf position, readback value.

1.41 \$(P):PreDAC0:OutMux

Record Type: mbbo

Fields:

Field	Value
DTYP	CAENels BEST Mbbo
DESC	Out mux (1=SW, 0=HW)
ONST	HW via FPGA
ZRST	SW via PCIe

Long description:

Set Output multiplexer. Output multiplexer allows to switch control from HW PID (HW via

FPGA) to software (SW via PCIe). PreDAC output is controlled by HW PID (HW via FPGA). User can then manually control PreDAC output channels (SW via PCIe).

1.42 \$(P):PreDAC0:OutMux_RBV

Record Type: mbbi

Fields:

Field	Value
DTYP	CAENels BEST Mbbi
DESC	Out mux (1=SW, 0=HW)
ONST	HW via FPGA
ZRST	SW via PCIe
SCAN	1 second

Long description:

Set Output multiplexer, readback value

1.43 \$(P):PreDAC0:OutCh1

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PreDAC Out Channels (manual)
EGU	V

Long description:

Manual drive PreDAC output, CH1. OutMux need to be set to SW via PCIe.

1.44 \$(P):PreDAC0:OutCh2

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PreDAC Out Channels (manual)
EGU	V

Long description:

Manual drive PreDAC output, CH2. OutMux need to be set to SW via PCIe.

1.45 \$(P):PreDAC0:OutCh3

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PreDAC Out Channels (manual)
EGU	V

Long description:

Manual drive PreDAC output, CH3. OutMux need to be set to SW via PCIe.

1.46 \$(P):PreDAC0:OutCh4

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PreDAC Out Channels (manual)
EGU	V

Long description:

Manual drive PreDAC output, CH4. OutMux need to be set to SW via PCIe.

1.47 \$(P):Login:UserPass

Record Type: stringout

Fields:

Field	Value
DTYP	CAENels BEST Stringout
DESC	User and Password, separated by colon

Long description:

Login command. Change user (cruise, user, admin).

1.48 \$(P):Login:Level

Record Type: mbbi

Fields:

Field	Value
DTYP	CAENels BEST Mbbi
DESC	Current access level
ZRST	Cruise
ONST	User
TWST	Admin
SCAN	1 second

Long description:

Current login level.

1.49 \$(P):PreDAC0:Ch1_RBV

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	PreDAC0 Output Channel 1
FTVL	DOUBLE
EGU	Volt
NELM	1024
SCAN	1 second

Long description:

PreDAC output data, CH1. OutMux need to be set to HW via FPGA.

1.50 \$(P):PreDAC0:Ch2_RBV

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	PreDAC0 Output Channel 2
FTVL	DOUBLE
EGU	Volt
NELM	1024
SCAN	1 second

Long description:

PreDAC output data, CH2. OutMux need to be set to HW via FPGA.

1.51 \$(P):PreDAC0:Ch3_RBV

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	PreDAC0 Output Channel 3
FTVL	DOUBLE
EGU	Volt
NELM	1024
SCAN	1 second

Long description:

PreDAC output data, CH3. OutMux need to be set to HW via FPGA.

1.52 \$(P):PreDAC0:Ch4_RBV

Record Type: waveform

Fields:

Field	Value
DTYP	CAENels BEST Waveform
DESC	PreDAC0 Output Channel 4
FTVL	DOUBLE
EGU	Volt
NELM	1024
SCAN	1 second

Long description:

PreDAC output data, CH4. OutMux need to be set to HW via FPGA.

1.53 \$(P):PID:KpXlf

Record Type: ao

Fields:

Field	Value
DESC	PID Kp Xlf
DTYP	CAENels BEST Ao

Long description:

Set PID Kp on Xlf position.

1.54 \$(P):PID:KiXlf

Record Type: ao

Fields:

Field	Value
DESC	PID Ki Xlf
DTYP	CAENels BEST Ao

Long description:

Set PID Ki on Xlf position.

1.55 \$(P):PID:KdXlf

Record Type: ao

Fields:

Field	Value
DESC	PID Kd Xlf
DTYP	CAENels BEST Ao

Long description:

Set PID Kd on Xlf position.

1.56 \$(P):PID:eminXlf

Record Type: ao

Fields:

Field	Value
DESC	PID emin Xlf
DTYP	CAENels BEST Ao

Long description:

Set PID emin on Xlf position.

1.57 \$(P):PID:ImaxXlf

Record Type: ao

Fields:

Field	Value
DESC	PID Imax Xlf
DTYP	CAENels BEST Ao

Long description:

Set PID Imax on Xlf position.

1.58 \$(P):PID:OminXlf

Record Type: ao

Fields:

Field	Value
DESC	PID Omin Xlf
DTYP	CAENels BEST Ao

Long description:

Set PID Omin on Xlf position.

1.59 \$(P):PID:OmaxXlf

Record Type: ao

Fields:

Field	Value
DESC	PID Omax Xlf
DTYP	CAENels BEST Ao

Long description:

Set PID Omax on Xlf position.

1.60 \$(P):PID:OgainXlf

Record Type: ao

Fields:

Field	Value
DESC	PID Ogain Xlf
DTYP	CAENels BEST Ao

Long description:

Set PID Ogain on Xlf position.

1.61 \$(P):PID:KpXhf

Record Type: ao

Fields:

Field	Value
DESC	PID Kp Xhf
DTYP	CAENels BEST Ao

Long description:

Set PID Kp on Xhf position.

1.62 \$(P):PID:KiXhf

Record Type: ao

Fields:

Field	Value
DESC	PID Ki Xhf
DTYP	CAENels BEST Ao

Long description:

Set PID Ki on Xhf position.

1.63 \$(P):PID:KdXhf

Record Type: ao

Fields:

Field	Value
DESC	PID Kd Xhf
DTYP	CAENels BEST Ao

Long description:

Set PID Kd on Xhf position.

1.64 \$(P):PID:eminXhf

Record Type: ao

Fields:

Field	Value
DESC	PID emin Xhf
DTYP	CAENels BEST Ao

Long description:

Set PID emin on Xhf position.

1.65 \$(P):PID:ImaxXhf

Record Type: ao

Fields:

Field	Value
DESC	PID Imax Xhf
DTYP	CAENels BEST Ao

Long description:

Set PID Imax on Xhf position.

1.66 \$(P):PID:OminXhf

Record Type: ao

Fields:

Field	Value
DESC	PID Omin Xhf
DTYP	CAENels BEST Ao

Long description:

Set PID Omin on Xhf position.

1.67 \$(P):PID:OmaxXhf

Record Type: ao

Fields:

Field	Value
DESC	PID Omax Xhf
DTYP	CAENels BEST Ao

Long description:

Set PID Omax on Xhf position.

1.68 \$(P):PID:OgainXhf

Record Type: ao

Fields:

Field	Value
DESC	PID Ogain Xhf
DTYP	CAENels BEST Ao

Long description:

Set PID Ogain on Xhf position.

1.69 \$(P):PID:KpYlf

Record Type: ao

Fields:

Field	Value
DESC	PID Kp Ylf
DTYP	CAENels BEST Ao

Long description:

Set PID Kp on Ylf position.

1.70 \$(P):PID:KiYlf

Record Type: ao

Fields:

Field	Value
DESC	PID Ki Ylf
DTYP	CAENels BEST Ao

Long description:

Set PID Ki on Ylf position.

1.71 \$(P):PID:KdYlf

Record Type: ao

Fields:

Field	Value
DESC	PID Kd Ylf
DTYP	CAENels BEST Ao

Long description:

Set PID Kd on Ylf position.

1.72 \$(P):PID:eminYlf

Record Type: ao

Fields:

Field	Value
DESC	PID emin Ylf
DTYP	CAENels BEST Ao

Long description:

Set PID emin on Ylf position.

1.73 \$(P):PID:ImaxYlf

Record Type: ao

Fields:

Field	Value
DESC	PID Imax Ylf
DTYP	CAENels BEST Ao

Long description:

Set PID Imax on Ylf position.

1.74 \$(P):PID:OminYlf

Record Type: ao

Fields:

Field	Value
DESC	PID Omin Ylf
DTYP	CAENels BEST Ao

Long description:

Set PID Omin on Ylf position.

1.75 \$(P):PID:OmaxYlf

Record Type: ao

Fields:

Field	Value
DESC	PID Omax Ylf
DTYP	CAENels BEST Ao

Long description:

Set PID Omax on Ylf position.

1.76 \$(P):PID:OgainYlf

Record Type: ao

Fields:

Field	Value
DESC	PID Ogain Ylf
DTYP	CAENels BEST Ao

Long description:

Set PID Ogain on Ylf position.

1.77 \$(P):PID:KpYhf

Record Type: ao

Fields:

Field	Value
DESC	PID Kp Yhf
DTYP	CAENels BEST Ao

Long description:

Set PID Kp on Yhf position.

1.78 \$(P):PID:KiYhf

Record Type: ao

Fields:

Field	Value
DESC	PID Ki Yhf
DTYP	CAENels BEST Ao

Long description:

Set PID Ki on Yhf position.

1.79 \$(P):PID:KdYhf

Record Type: ao

Fields:

Field	Value
DESC	PID Kd Yhf
DTYP	CAENels BEST Ao

Long description:

Set PID Kd on Yhf position.

1.80 \$(P):PID:eminYhf

Record Type: ao

Fields:

Field	Value
DESC	PID emin Yhf
DTYP	CAENels BEST Ao

Long description:

Set PID emin on Yhf position.

1.81 \$(P):PID:ImaxYhf

Record Type: ao

Fields:

Field	Value
DESC	PID Imax Yhf
DTYP	CAENels BEST Ao

Long description:

Set PID Imax on Yhf position.

1.82 \$(P):PID:OminYhf

Record Type: ao

Fields:

Field	Value
DESC	PID Omin Yhf
DTYP	CAENels BEST Ao

Long description:

Set PID Omin on Yhf position.

1.83 \$(P):PID:OmaxYhf

Record Type: ao

Fields:

Field	Value
DESC	PID Omax Yhf
DTYP	CAENels BEST Ao

Long description:

Set PID Omax on Yhf position.

1.84 \$(P):PID:OgainYhf

Record Type: ao

Fields:

Field	Value
DESC	PID Ogain Yhf
DTYP	CAENels BEST Ao

Long description:

Set PID Ogain on Yhf position.

1.85 \$(P):PID:KpXlf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Kp Xlf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Kp on Xlf position.

1.86 \$(P):PID:KiXlf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Ki Xlf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Ki on Xlf position.

1.87 \$(P):PID:KdXlf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Kd Xlf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Kd on Xlf position.

1.88 \$(P):PID:eminXlf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID emin Xlf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID emin on Xlf position.

1.89 \$(P):PID:ImaxXlf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Imax Xlf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Imax on Xlf position.

1.90 \$(P):PID:OminXlf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Omin Xlf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Omin on Xlf position.

1.91 \$(P):PID:OmaxXlf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Omax Xlf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Omax on Xlf position.

1.92 \$(P):PID:OgainXlf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Ogain Xlf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Ogain on Xlf position.

1.93 \$(P):PID:KpXhf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Kp Xhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Kp on Xhf position.

1.94 \$(P):PID:KiXhf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Ki Xhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Ki on Xhf position.

1.95 \$(P):PID:KdXhf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Kd Xhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Kd on Xhf position.

1.96 \$(P):PID:eminXhf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID emin Xhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID emin on Xhf position.

1.97 \$(P):PID:ImaxXhf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Imax Xhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Imax on Xhf position.

1.98 \$(P):PID:OminXhf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Omin Xhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Omin on Xhf position.

1.99 \$(P):PID:OmaxXhf_RBv

Record Type: ai

Fields:

Field	Value
DESC	PID Omax Xhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Omax on Xhf position.

1.100 \$(P):PID:OgainXhf_RBv

Record Type: ai

Fields:

Field	Value
DESC	PID Ogain Xhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Ogain on Xhf position.

1.101 \$(P):PID:KpYlf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Kp Ylf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Kp on Ylf position.

1.102 \$(P):PID:KiYlf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Ki Ylf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Ki on Ylf position.

1.103 \$(P):PID:KdYlf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Kd Ylf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Kd on Ylf position.

1.104 \$(P):PID:eminYlf_RBv

Record Type: ai

Fields:

Field	Value
DESC	PID emin Ylf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID emin on Ylf position.

1.105 \$(P):PID:ImaxYlf_RBv

Record Type: ai

Fields:

Field	Value
DESC	PID Imax Ylf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Kp Imax Ylf position.

1.106 \$(P):PID:OminYlf_RBv

Record Type: ai

Fields:

Field	Value
DESC	PID Omin Ylf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Kp Omin Ylf position.

1.107 \$(P):PID:OmaxYlf_RBv

Record Type: ai

Fields:

Field	Value
DESC	PID Omax Ylf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Kp Omax Ylf position.

1.108 \$(P):PID:OgainYlf_RBv

Record Type: ai

Fields:

Field	Value
DESC	PID Ogain Ylf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Ogain on Ylf position.

1.109 \$(P):PID:KpYhf_RBv

Record Type: ai

Fields:

Field	Value
DESC	PID Kp Yhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Kp on Yhf position.

1.110 \$(P):PID:KiYhf_RBv

Record Type: ai

Fields:

Field	Value
DESC	PID Ki Yhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Ki on Yhf position.

1.111 \$(P):PID:KdYhf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Kd Yhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Kd on Yhf position.

1.112 \$(P):PID:eminYhf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID emin Yhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID emin on Yhf position.

1.113 \$(P):PID:ImaxYhf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Imax Yhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID I_{max} on Yhf position.

1.114 \$(P):PID:OminYhf_RBv

Record Type: ai

Fields:

Field	Value
DESC	PID Omin Yhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID O_{min} on Yhf position.

1.115 \$(P):PID:OmaxYhf_RBv

Record Type: ai

Fields:

Field	Value
DESC	PID Omax Yhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID O_{max} on Yhf position.

1.116 \$(P):PID:OgainYhf_RBV

Record Type: ai

Fields:

Field	Value
DESC	PID Ogain Yhf Readback
DTYP	CAENels BEST Ai
SCAN	1 second

Long description:

Set PID Ogain on Yhf position.

1.117 \$(P):BPM0:Orient

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	BPM Orientation
ZNAM	45deg
ONAM	90deg

Long description:

Set BPM orient, BPM0.

1.118 \$(P):BPM1:Orient

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	BPM Orientation
ZNAM	45deg
ONAM	90deg

Long description:

Set BPM orient, BPM1.

1.119 \$(P):BPM0:Orient_RBV

Record Type: mbbi

Fields:

Field	Value
DTYP	CAENels BEST Mbbi
DESC	BPM Orientation
ONST	90deg
SCAN	1 second

Long description:

BPM orient, BPM0, readback value.

1.120 \$(P):BPM1:Orient_RBV

Record Type: mbbi

Fields:

Field	Value
DTYP	CAENels BEST Mbbi
DESC	BPM Orientation
ONST	90deg
SCAN	1 second

Long description:

BPM orient, BPM1, readback value.

1.121 \$(P):PID:INconfig

Record Type: mbbo

Fields:

Field	Value
DTYP	CAENels BEST Mbbo
DESC	PID Configuration
ZRST	Xlf
ONST	Xlf & Xhf
TWST	Xlf & Ylf
THST	Xlf & Yhf
FRST	Xlf & Xhf & Ylf
FVST	Xlf & Xhf & Yhf
SXST	Xlf & Ylf & Yhf
SVST	Xlf & Xhf & Ylf & Yhf
EIST	Xhf
NIST	Xhf & Ylf
TEST	Xhf & Yhf
ELST	Xhf & Ylf & Yhf
TVST	Ylf
TTST	Ylf & Yhf
FTST	Yhf

Long description:

Set PID input configuration. Selects which PID controller to activate.

1.122 \$(P):PID:INconfig_RBV

Record Type: mbbi

Fields:

Field	Value
DTYP	CAENels BEST Mbbi
DESC	PID Configuration
SCAN	1 second
ZRST	Xlf
ONST	Xlf & Xhf
TWST	Xlf & Ylf
THST	Xlf & Yhf
FRST	Xlf & Xhf & Ylf
FVST	Xlf & Xhf & Yhf
SXST	Xlf & Ylf & Yhf
SVST	Xlf & Xhf & Ylf & Yhf
EIST	Xhf
NIST	Xhf & Ylf
TEST	Xhf & Yhf
ELST	Xhf & Ylf & Yhf
TVST	Ylf
TTST	Ylf & Yhf
FTST	Yhf

Long description:

PID input configuration, readback value.

1.123 \$(P):PID:OUTconfig

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID out confselect

Long description:

Set PID output configuration. Configure which PID os connected to which PreDAC output channel.

1.124 \$(P):PID:OUTconfig_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID out conf
SCAN	1 second

Long description:

PID output configuration, readback value.

1.125 \$(P):BPM:Selector

Record Type: mbbo

Fields:

Field	Value
DTYP	CAENels BEST Mbbo
DESC	BPM selector
ZRST	0 0 0 0
ONST	0 0 0 1
TWST	0 0 1 0
THST	0 0 1 1
FRST	0 1 0 0
FVST	0 1 0 1
SXST	0 1 1 0
SVST	0 1 1 1
EIST	1 0 0 0
NIST	1 0 0 1
TEST	1 0 1 0
ELST	1 0 1 1
TVST	1 1 0 0
TTST	1 1 0 1
FTST	1 1 1 0
FFST	1 1 1 1

Long description:

Set BPM selector. 0: BPM0, 1: BPM1. example: "0 1 0" means X: BPM0, Y: BPM1, IO: BPM0.

1.126 \$(P):BPM:Selector_RBV

Record Type: mbbi

Fields:

Field	Value
DTYP	CAENels BEST Mbbi
DESC	PID Configuration
SCAN	1 second
ZRST	0 0 0 0
ONST	0 0 0 1
TWST	0 0 1 0
THST	0 0 1 1
FRST	0 1 0 0
FVST	0 1 0 1
SXST	0 1 1 0
SVST	0 1 1 1
EIST	1 0 0 0
NIST	1 0 0 1
TEST	1 0 1 0
ELST	1 0 1 1
TVST	1 1 0 0
TTST	1 1 0 1
FTST	1 1 1 0
FFST	1 1 1 1

Long description:

BPM selector, readback value.

1.127 \$(P):BPM0:Crossbar

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	BPM Crossbar

Long description:

Set BPM Crossbar, BPM0.

1.128 \$(P):BPM0:Crossbar_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	BPM Crossbar
SCAN	1 second

Long description:

BPM0 Crossbar readback value.

1.129 \$(P):BPM1:Crossbar

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	BPM Crossbar

Long description:

Set BPM Crossbar, BPM1.

1.130 \$(P):BPM1:Crossbar_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	BPM Crossbar
SCAN	1 second

Long description:

BPM1 Crossbar readback value.

1.131 \$(P):BPM0:ENArOcX

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	PID ENA ROC, BPM0, X pos
ZNAM	Disabled
ONAM	Enabled

Long description:

Enable ROC X on BPM0.

1.132 \$(P):BPM0:ENArOcY

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	PID ENA ROC, BPM0, Y pos
ZNAM	Disabled
ONAM	Enabled

Long description:

Enable ROC Y on BPM0.

1.133 \$(P):BPM0:ENAbeamOff

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	PID ENA ROC, BPM0, I0
ZNAM	Disabled
ONAM	Enabled

Long description:

Enable Beam Off Threshold on BPM0.

1.134 \$(P):BPM1:ENArOcX

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	PID ENA ROC, BPM1, X pos
ZNAM	Disabled
ONAM	Enabled

Long description:

Enable ROC X on BPM1.

1.135 \$(P):BPM1:ENArOcY

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	PID ENA ROC, BPM1, Y pos
ZNAM	Disabled
ONAM	Enabled

Long description:

Enable ROC Y on BPM1.

1.136 \$(P):BPM1:ENAbeamOff

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	PID ENA ROC, BPM1, I0
ZNAM	Disabled
ONAM	Enabled

Long description:

Enable Beam Off Threshold on BPM1.

1.137 \$(P):BPM0:ENArOcX_RBv

Record Type: bi

Fields:

Field	Value
DTYP	CAENels BEST Bi
DESC	PID ENA ROC RBV, BPM0, X pos
ZNAM	Disabled
ONAM	Enabled
SCAN	1 second

Long description:

Enable ROC X on BPM0, readback value.

1.138 \$(P):BPM0:ENArOcY_RBv

Record Type: bi

Fields:

Field	Value
DTYP	CAENels BEST Bi
DESC	PID ENA ROC RBV, BPM0, Y pos
ZNAM	Disabled
ONAM	Enabled
SCAN	1 second

Long description:

Enable ROC Y on BPM0, readback value.

1.139 \$(P):BPM0:ENAbEamOff_RBv

Record Type: bi

Fields:

Field	Value
DTYP	CAENels BEST Bi
DESC	PID ENA ROC RBV, BPM0, IO
ZNAM	Disabled
ONAM	Enabled
SCAN	1 second

Long description:

Enable Beam Off Threshold on BPM0, readback value.

1.140 \$(P):BPM1:ENArOcX_RBv

Record Type: bi

Fields:

Field	Value
DTYP	CAENels BEST Bi
DESC	PID ENA ROC RBV, BPM1, X pos
ZNAM	Disabled
ONAM	Enabled
SCAN	1 second

Long description:

Enable ROC X on BPM1, readback value.

1.141 \$(P):BPM1:ENArOcY_RBv

Record Type: bi

Fields:

Field	Value
DTYP	CAENels BEST Bi
DESC	PID ENA ROC RBV, BPM1, Y pos
ZNAM	Disabled
ONAM	Enabled
SCAN	1 second

Long description:

Enable ROC Y on BPM1, readback value.

1.142 \$(P):BPM1:ENAbeamOff_RBV

Record Type: bi

Fields:

Field	Value
DTYP	CAENels BEST Bi
DESC	PID ENA ROC RBV, BPM1, IO
ZNAM	Disabled
ONAM	Enabled
SCAN	1 second

Long description:

Enable Beam Off Threshold on BPM1, readback value.

1.143 \$(P):BPM0:RocX

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID ROCX limits
EGU	um

Long description:

Set ROC on X position, BPM0.

1.144 \$(P):BPM1:RocX

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID ROCX limits
EGU	um

Long description:

Set ROC on X position, BPM1.

1.145 \$(P):BPM0:RocY

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID ROCY limits
EGU	um

Long description:

Set ROC on Y position, BPM0.

1.146 \$(P):BPM1:RocY

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID ROCY limits
EGU	um

Long description:

Set ROC on Y position, BPM1.

1.147 \$(P):BPM0:BeamOffTh

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID ROC limits
EGU	Amper

Long description:

Set Beam Off Threshold, BPM0.

1.148 \$(P):BPM1:BeamOffTh

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID ROC limits
EGU	Amper

Long description:

Set Beam Off Threshold, BPM1.

1.149 \$(P):BPM0:RocX_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID ROCX limits
EGU	um
SCAN	1 second

Long description:

ROC on X position, BPM0, readback value.

1.150 \$(P):BPM1:RocX_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID ROCX limits
EGU	um
SCAN	1 second

Long description:

ROC on X position, BPM1, readback value.

1.151 \$(P):BPM0:RocY_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID ROCY limits
EGU	um
SCAN	1 second

Long description:

ROC on Y position, BPM0, readback value.

1.152 \$(P):BPM1:RocY_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID ROCY limits
EGU	um
SCAN	1 second

Long description:

ROC on Y position, BPM1, readback value.

1.153 \$(P):BPM0:BeamOffTh_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID ROC limits
EGU	Amper
SCAN	1 second

Long description:

Beam Off Threshold, BPM0, readback value.

1.154 \$(P):BPM1:BeamOffTh_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID ROC limits
EGU	Amper
SCAN	1 second

Long description:

Beam Off Threshold, BPM1, readback value.

1.155 \$(P):BPM0:OffsetX

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	BPM0 offset X
EGU	um

Long description:

Set BPM0 Offset on X position.

1.156 \$(P):BPM0:OffsetX_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	BPM0 offset X RBV
SCAN	1 second
EGU	um

Long description:

BPM0 Offset on X position, readback value.

1.157 \$(P):BPM1:OffsetX

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	BPM1 offset X
EGU	um

Long description:

Set BPM1 Offset on X position.

1.158 \$(P):BPM1:OffsetX_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	BPM1 offset X RBV
SCAN	1 second
EGU	um

Long description:

BPM1 Offset on X position, readback value.

1.159 \$(P):BPM0:OffsetY

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	BPM0 offset Y

Long description:

Set BPM0 Offset on Y position.

1.160 \$(P):BPM0:OffsetY_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	BPM0 offset Y RBV
SCAN	1 second

Long description:

BPM0 Offset on Y position, readback value.

1.161 \$(P):BPM1:OffsetY

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	BPM1 offset Y

Long description:

Set BPM1 Offset on Y position.

1.162 \$(P):BPM1:OffsetY_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	BPM1 offset Y RBV
SCAN	1 second
EGU	um

Long description:

BPM1 Offset on Y position, readback value.

1.163 \$(P):PID:FreqXlf

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID Freq Xlf

Long description:

Change PID Xlf Update Frequency.

1.164 \$(P):PID:FreqXlf_RBv

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID Xlf Freq RBV
SCAN	1 second
EGU	Hz

Long description:

PID Xlf Update Frequency, readback value.

1.165 \$(P):PID:FreqXhf

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID Freq Xhf

Long description:

Change PID Xhf Update Frequency.

1.166 \$(P):PID:FreqXhf_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID Xhf Freq RBV
SCAN	1 second
EGU	Hz

Long description:

PID Xhf Update Frequency, readback value.

1.167 \$(P):PID:FreqYlf

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID Freq Ylf

Long description:

Change PID Ylf Update Frequency.

1.168 \$(P):PID:FreqYlf_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID Ylf Freq RBV
SCAN	1 second
EGU	Hz

Long description:

PID Ylf Update Frequency, readback value.

1.169 \$(P):PID:FreqYhf

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID Freq Yhf

Long description:

Change PID Yhf Update Frequency.

1.170 \$(P):PID:FreqYhf_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID Yhf Freq RBV
SCAN	1 second
EGU	Hz

Long description:

PID Yhf Update Frequency, readback value.

1.171 \$(P):BIBEST:Init

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	Best Init from Config
ZNAM	Success
ONAM	Failure

Long description:

BEST initialization procedure. This command read the BIBEST configuration file and programs the FPGA with the last saved configuration.

1.172 \$(P):TetrAMM0:HVvoltage

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	TetrAMM HV voltage

Long description:

Set TetrAMM HV voltage, BPM0.

1.173 \$(P):TetrAMM1:HVvoltage

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	TetrAMM HV voltage

Long description:

Set TetrAMM HV voltage, BPM1.

1.174 \$(P):TetrAMM0:HVenable

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	TetrAMM HV enable
ZNAM	Disabled
ONAM	Enabled

Long description:

Enable TetrAMM HV module, BPM0.

1.175 \$(P):TetrAMM1:HVenable

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	TetrAMM HV enable
ZNAM	Disabled
ONAM	Enabled

Long description:

Enable TetrAMM HV module, BPM1.

1.176 \$(P):BIBEST:SFPA_RBV

Record Type: bi

Fields:

Field	Value
DTYP	CAENels BEST Bi
DESC	TetrAMM on SFP A
ZNAM	No TetrAMM
ONAM	TetrAMM
SCAN	1 second

Long description:

Check if a device (TetrAMM/EnBOX) is connected on SFP A.

1.177 \$(P):BIBEST:SFPB_RBV

Record Type: bi

Fields:

Field	Value
DTYP	CAENels BEST Bi
DESC	TetrAMM on SFP B
ZNAM	No TetrAMM
ONAM	TetrAMM
SCAN	1 second

Long description:

Check if a device (TetrAMM/EnBOX) is connected on SFPB.

1.178 \$(P):FILTER:FcutLPXlf

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID Low pass filter frequency

Long description:

Change Filter Xlf Low Pass Cut Off Frequency.

1.179 \$(P):FILTER:FcutLPYlf

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID Low pass filter frequency

Long description:

Change Filter Ylf Low Pass Cut Off Frequency.

1.180 \$(P):FILTER:FcutLPXhf

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID Low pass filter frequency

Long description:

Change Filter Xhf Low Pass Cut Off Frequency.

1.181 \$(P):FILTER:FcutLPYhf

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID Low pass filter frequency

Long description:

Change Filter Yhf Low Pass Cut Off Frequency.

1.182 \$(P):FILTER:FcutHPXhf

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID High pass filter frequency

Long description:

Change Filter Xhf High Pass Cut Off Frequency.

1.183 \$(P):FILTER:FcutHPYhf

Record Type: ao

Fields:

Field	Value
DTYP	CAENels BEST Ao
DESC	PID High pass filter frequency

Long description:

Change Filter Yhf High Pass Cut Off Frequency.

1.184 \$(P):FILTER:FcutLPXIf_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID Low pass filter frequency
SCAN	1 second

Long description:

Filter XIf Low Pass Cut Off Frequency, readback value.

1.185 \$(P):FILTER:FcutLPYIf_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID Low pass filter frequency
SCAN	1 second

Long description:

Filter YIf Low Pass Cut Off Frequency, readback value.

1.186 \$(P):FILTER:FcutLPXhf_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID Low pass filter frequency
SCAN	1 second

Long description:

Filter Xhf Low Pass Cut Off Frequency, readback value.

1.187 \$(P):FILTER:FcutLPYhf_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID Low pass filter frequency
SCAN	1 second

Long description:

Filter Yhf Low Pass Cut Off Frequency, readback value.

1.188 \$(P):FILTER:FcutHPXhf_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID Low pass filter frequency
SCAN	1 second

Long description:

Filter Xhf High Pass Cut Off Frequency, readback value.

1.189 \$(P):FILTER:FcutHPYhf_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	PID Low pass filter frequency
SCAN	1 second

Long description:

Filter Yhf High Pass Cut Off Frequency, readback value.

1.190 \$(P):FILTER:CommitXlf

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	PID Commit Filter coef LP X
ZNAM	Committed
ONAM	Failed

Long description:

Commit Xlf filter parameters.

1.191 \$(P):FILTER:CommitYlf

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	PID Commit Filter coef LP Y
ZNAM	Committed
ONAM	Failed

Long description:

Commit Ylf filter parameters.

1.192 \$(P):FILTER:CommitXhf

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	PID Commit Filter coef BP X
ZNAM	Committed
ONAM	Failed

Long description:

Commit Xhf filter parameters.

1.193 \$(P):FILTER:CommitYhf

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	PID Commit Filter coef BP Y
ZNAM	Committed
ONAM	Failed

Long description:

Commit Yhf filter parameters.

1.194 \$(P):FILTER:TypeXlf

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	LP filter X
ZNAM	LOWpass filter X
ONAM	ALLpass filter X

Long description:

Change Xlf filter type.

1.195 \$(P):FILTER:TypeYlf

Record Type: bo

Fields:

Field	Value
DTYP	CAENels BEST Bo
DESC	LP filter Y
ZNAM	LOWpass filter Y
ONAM	ALLpass filter Y

Long description:

Change Ylf filter type.

1.196 \$(P):FILTER:TypeXlf_RBV

Record Type: bi

Fields:

Field	Value
DTYP	CAENels BEST Bi
DESC	LP filter X
ZNAM	LOWpass filter X
ONAM	ALLpass filter X
SCAN	1 second

Long description:

Xlf filter type, readback value.

1.197 \$(P):FILTER:TypeYlf_RBV

Record Type: bi

Fields:

Field	Value
DTYP	CAENels BEST Bi
DESC	LP filter Y
ZNAM	LOWpass filter Y
ONAM	ALLpass filter Y
SCAN	1 second

Long description:

Ylf filter type, readback value.

1.198 \$(P):FILTER:LPposXparamAcoef0_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP X a 0
SCAN	1 second

Long description:

1.199 \$(P):FILTER:LPposXparamAcoef1_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP X a 1
SCAN	1 second

Long description:

1.200 \$(P):FILTER:LPposXparamAcoef2_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP X a 2
SCAN	1 second

Long description:

1.201 \$(P):FILTER:LPposXparamAcoef3_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP X a 3
SCAN	1 second

Long description:

1.202 \$(P):FILTER:LPposXparamAcoef4_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP X a 4
SCAN	1 second

Long description:

1.203 \$(P):FILTER:LPposXparamBcoef0_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP X b 0
SCAN	1 second

Long description:

1.204 \$(P):FILTER:LPposXparamBcoef1_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP X b 1
SCAN	1 second

Long description:

1.205 \$(P):FILTER:LPposXparamBcoef2_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP X b 2
SCAN	1 second

Long description:

1.206 \$(P):FILTER:LPposXparamBcoef3_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP X b 3
SCAN	1 second

Long description:

1.207 \$(P):FILTER:LPposXparamBcoef4_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP X b 4
SCAN	1 second

Long description:

1.208 \$(P):FILTER:LPposYparamAcoef0_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP Y a 0
SCAN	1 second

Long description:

1.209 \$(P):FILTER:LPposYparamAcoef1_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP Y a 1
SCAN	1 second

Long description:

1.210 \$(P):FILTER:LPposYparamAcoef2_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP Y a 2
SCAN	1 second

Long description:

1.211 \$(P):FILTER:LPposYparamAcoef3_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP Y a 3
SCAN	1 second

Long description:

1.212 \$(P):FILTER:LPposYparamAcoef4_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP Y a 4
SCAN	1 second

Long description:

1.213 \$(P):FILTER:LPposYparamBcoef0_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP Y b 0
SCAN	1 second

Long description:

1.214 \$(P):FILTER:LPposYparamBcoef1_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP Y b 1
SCAN	1 second

Long description:

1.215 \$(P):FILTER:LPposYparamBcoef2_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP Y b 2
SCAN	1 second

Long description:

1.216 \$(P):FILTER:LPposYparamBcoef3_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP Y b 3
SCAN	1 second

Long description:

1.217 \$(P):FILTER:LPposYparamBcoef4_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef LP Y b 4
SCAN	1 second

Long description:

1.218 \$(P):FILTER:BPposXparamAcoef0_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP X a 0
SCAN	1 second

Long description:

1.219 \$(P):FILTER:BPposXparamAcoef1_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP X a 1
SCAN	1 second

Long description:

1.220 \$(P):FILTER:BPposXparamAcoef2_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP X a 2
SCAN	1 second

Long description:

1.221 \$(P):FILTER:BPposXparamAcoef3_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP X a 3
SCAN	1 second

Long description:

1.222 \$(P):FILTER:BPposXparamAcoef4_RBv

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP X a 4
SCAN	1 second

Long description:

1.223 \$(P):FILTER:BPposXparamBcoef0_RBv

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP X b 0
SCAN	1 second

Long description:

1.224 \$(P):FILTER:BPposXparamBcoef1_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP X b 1
SCAN	1 second

Long description:

1.225 \$(P):FILTER:BPposXparamBcoef2_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP X b 2
SCAN	1 second

Long description:

1.226 \$(P):FILTER:BPposXparamBcoef3_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP X b 3
SCAN	1 second

Long description:

1.227 \$(P):FILTER:BPposXparamBcoef4_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP X b 4
SCAN	1 second

Long description:

1.228 \$(P):FILTER:BPposYparamAcoef0_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP Y a 0
SCAN	1 second

Long description:

1.229 \$(P):FILTER:BPposYparamAcoef1_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP Y a 1
SCAN	1 second

Long description:

1.230 \$(P):FILTER:BPposYparamAcoef2_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP Y a 2
SCAN	1 second

Long description:

1.231 \$(P):FILTER:BPposYparamAcoef3_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP Y a 3
SCAN	1 second

Long description:

1.232 \$(P):FILTER:BPposYparamAcoef4_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP Y a 4
SCAN	1 second

Long description:

1.233 \$(P):FILTER:BPposYparamBcoef0_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP Y b 0
SCAN	1 second

Long description:

1.234 \$(P):FILTER:BPposYparamBcoef1_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP Y b 1
SCAN	1 second

Long description:

1.235 \$(P):FILTER:BPposYparamBcoef2_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP Y b 2
SCAN	1 second

Long description:

1.236 \$(P):FILTER:BPposYparamBcoef3_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP Y b 3
SCAN	1 second

Long description:

1.237 \$(P):FILTER:BPposYparamBcoef4_RBV

Record Type: ai

Fields:

Field	Value
DTYP	CAENels BEST Ai
DESC	Filter coef BP Y b 4
SCAN	1 second

Long description:

