

## Experimentos

EXPERIMENTO N°: UNQ Q@106

~~tiempo~~: 400 s.

ADAM LR:  $0.3 \times 10^{-3}$

SGD LR:

BST. ACCURACY: 0,60

AC1: 0,81 AC2: 0,61 AC3: 0,93 AC4: 0,008

BEST LOSS: 1,13

Best epoch: 47

ARCHITECTURE

Kernel size



CONV 1\_IN: 3 OUT: 6 ks: 4

CONV 2\_IN: 6 OUT: 16 ks: 4

CONV 3\_IN: OUT: ks:

CONV 4\_IN: OUT: ks:

POOLING\_KS: 2 STRIDE: df PADDING: df

FC1\_IN:  $16 \times 53 \times 53$  OUT: 120

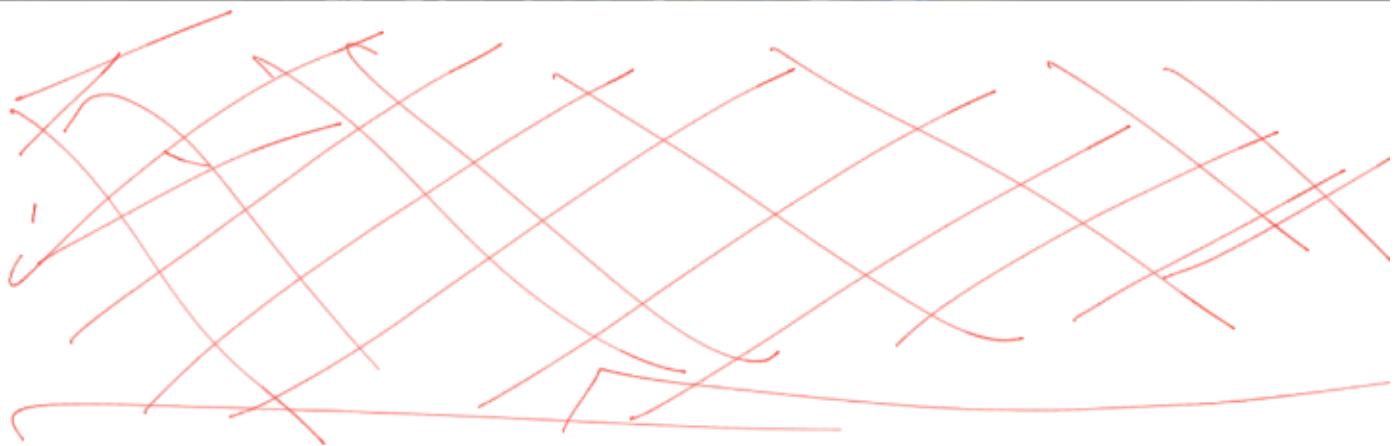
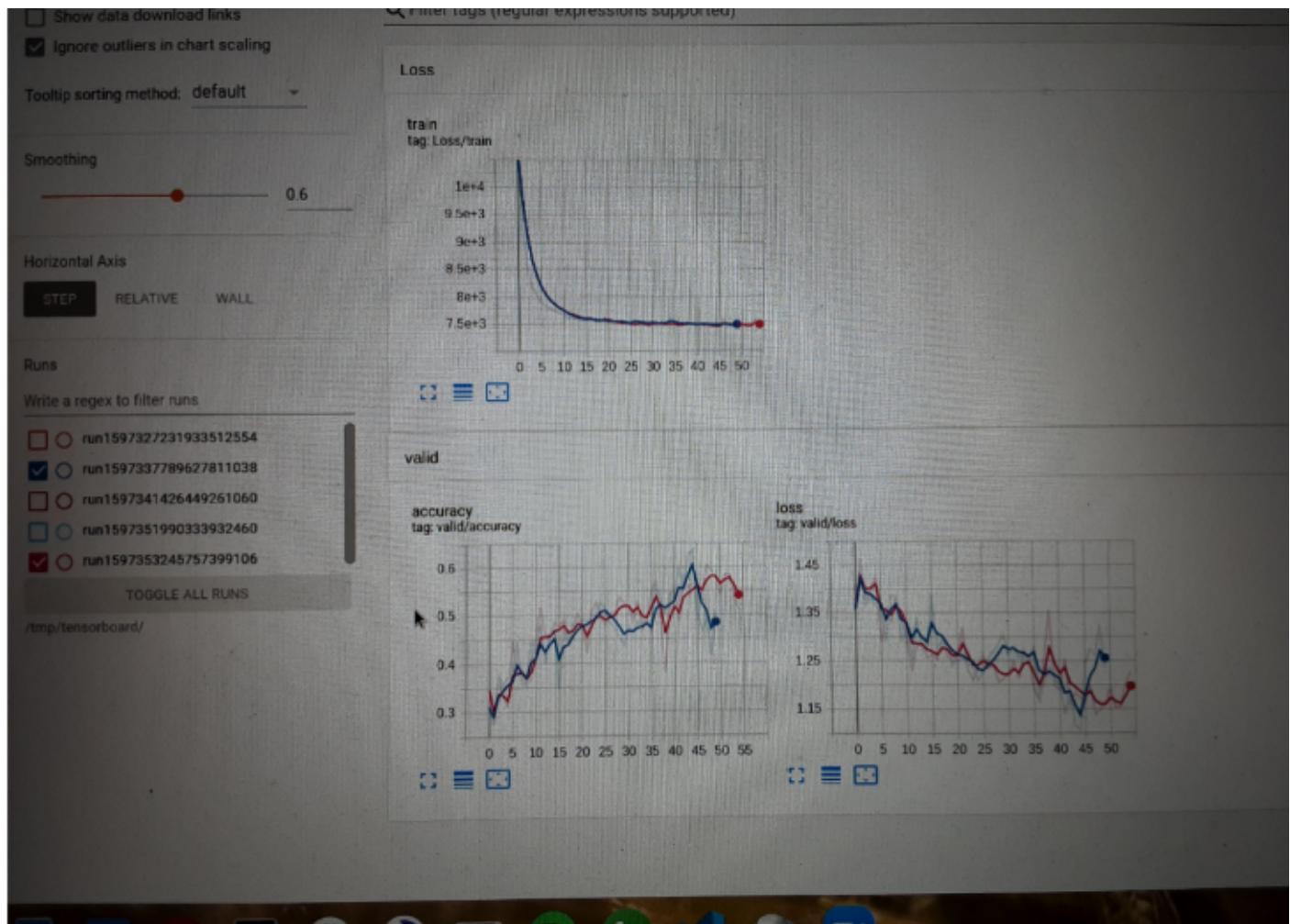
FC2\_IN: 120 OUT: 84

FC3\_IN: 84 OUT: 4

FC4\_IN: OUT:

ACTIVATION\_1: RELU

ACTIVATION\_2: Softmax (final)



EXPERIMENTO N°: DOS 41795  
tempo: 986 s

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✓ ADAM LR:  $0,3 \times e^{-}$

□ SGD LR:

BEST\_ACCURACY: 0,67

AC1: 0,978 AC2: 0,8260 AC3: 0,656 AC4: 0,23

BEST LOSS: 1,06

Beste-epoch: 32

KERNEL  
SIZE

## ARCHITECTURE



CONV 1_IN: 3	OUT: 6	KS: 4
CONV 2_IN: 6	OUT: 16	KS: 4
CONV 3_IN: 16	OUT: 32	KS: 4
CONV 4_IN:	OUT:	KS:

POOLING\_KS: 2 STRIDE:  $\frac{1}{2}$  PADDING:  $\frac{1}{2}$

FC1\_IN:  $32 \times 25 \times 25$  OUT: 120

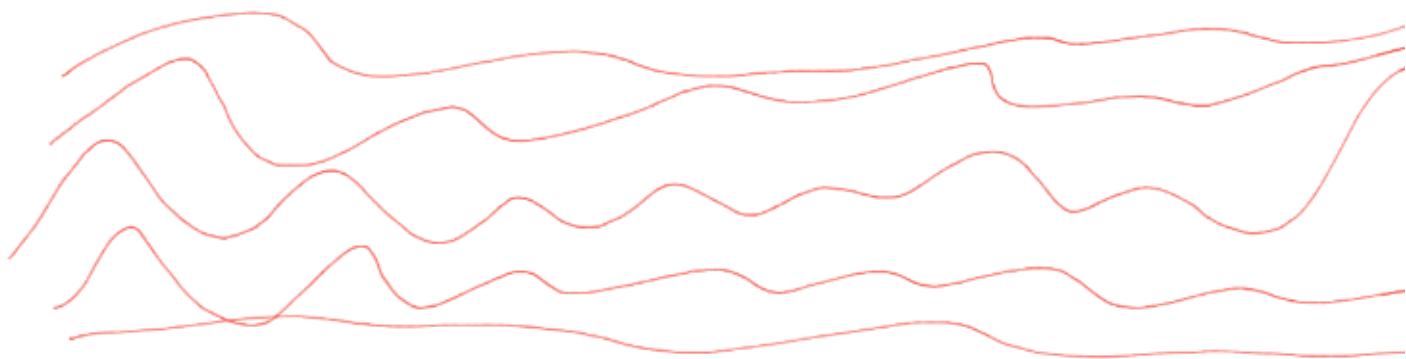
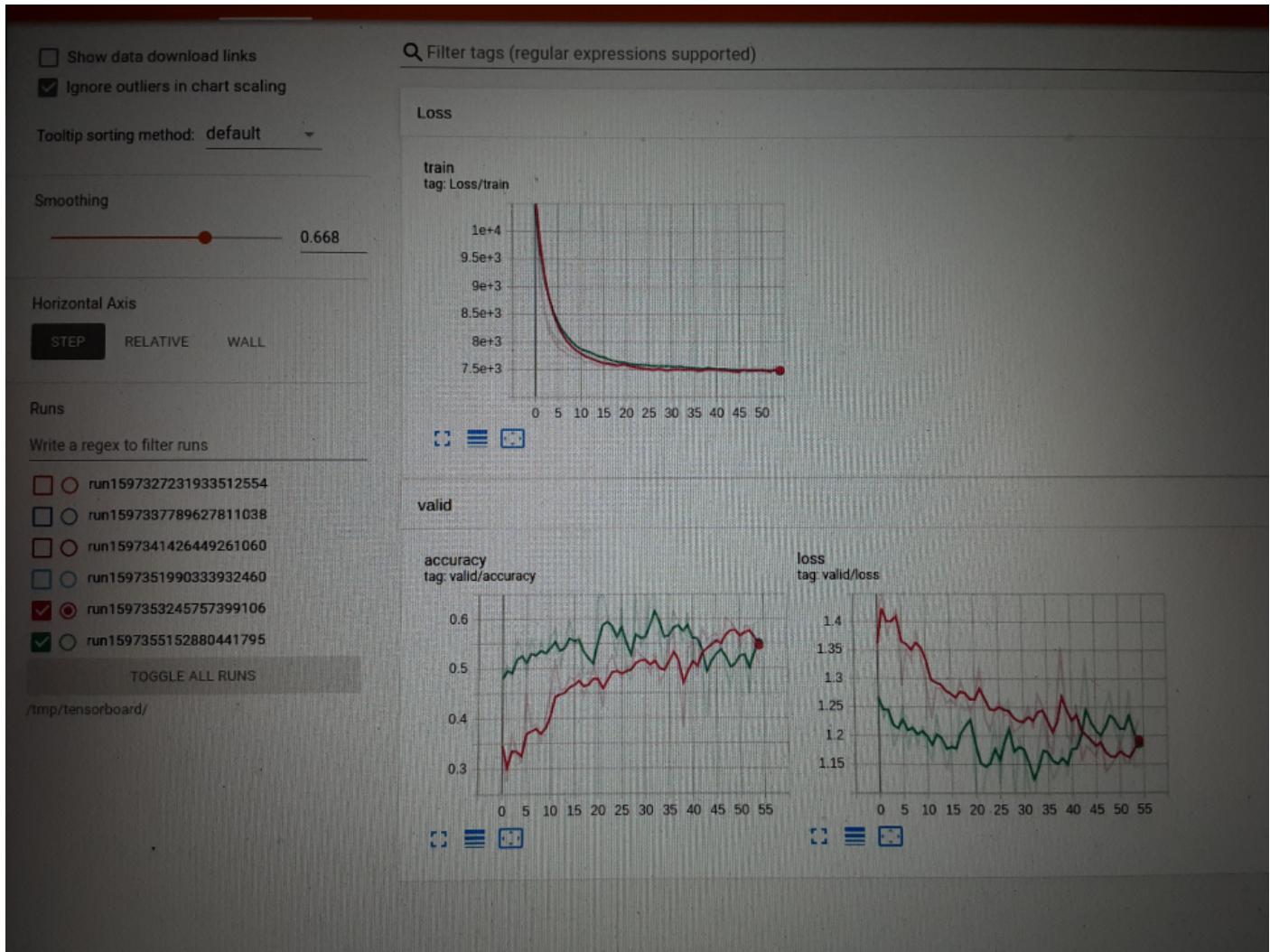
FC2\_IN: 120 OUT: 8

FC3\_IN: 84 OUT: 4

FC4\_IN: OUT:

ACTIVATION\_1: RELU

ACTIVATION\_2: Softmax (final)



EXPERIMENTO N°: TRES 89288  
 TIEMPO: 567s  
~~ADAM~~ LR:  $0,3 \times 10^{-3}$  80 epochs  
 SGD-LR:  
 BST. ACR(URAC): 0,67  
 AC1: 1 AC2: 0,4+ AC3: 0,834 AC4: 0,388

BEST-loss: 1.066

Best-epoch: 8

## ARCHITECTURE

Kernel  
size

CONV1\_IN: 3

OUT: 6 ks: 4

CONV2\_IN: 6

OUT: 16 ks: 4

CONV3\_IN: 16

OUT: 32 ks: 4

CONV4\_IN: 32

OUT: 64 ks: 4

Pooling\_KS: 2 STRIDE: df PADDING: df

FC1\_IN:  $64 \times 11 \times 11$  OUT: 120

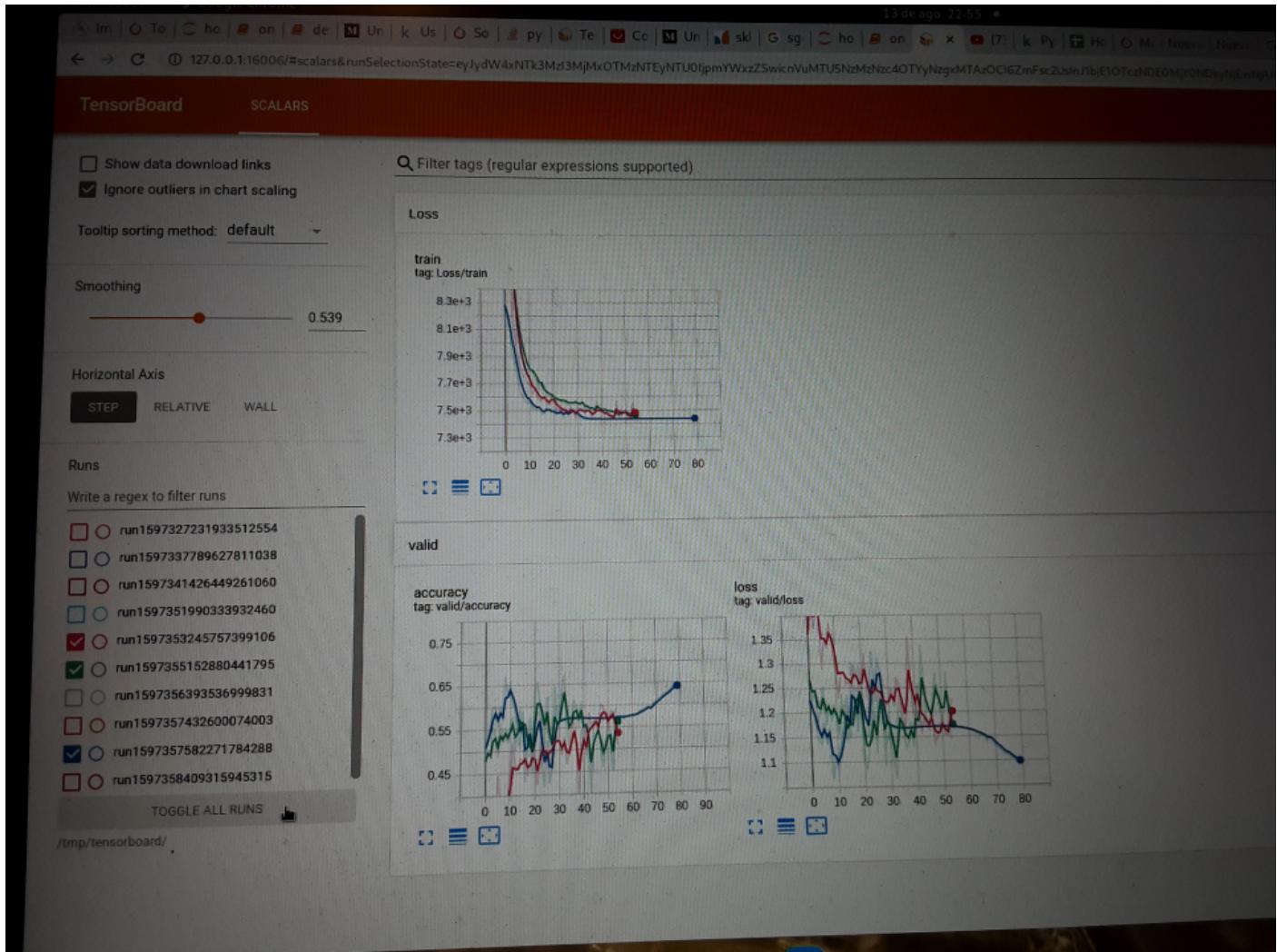
FC2\_IN: 120 OUT: 84

FC3\_IN: 84 OUT: 4

FC4\_IN: OUT:

ACTIVATION\_1: RLU

ACTIVATION\_2: soft max (final)



EXPERIMENTO N°: CUATRO 4'S 3'S

Tiempo: 880 s

ADAM LR:  $3 \times 10^{-3}$

SGD - LR:

BST. ACCURACY: 0,75

AC1: 0,88 AC2: 0,812 AC3: 0,83 AC4: 0,79

NISMAS CAPAS pero 120 epochs

BEST-loss: 1.03

Best-epoch: 76

Kernel size

ARCHITECTURE

INPUT - IMAGE



## ARCHITECTURE /

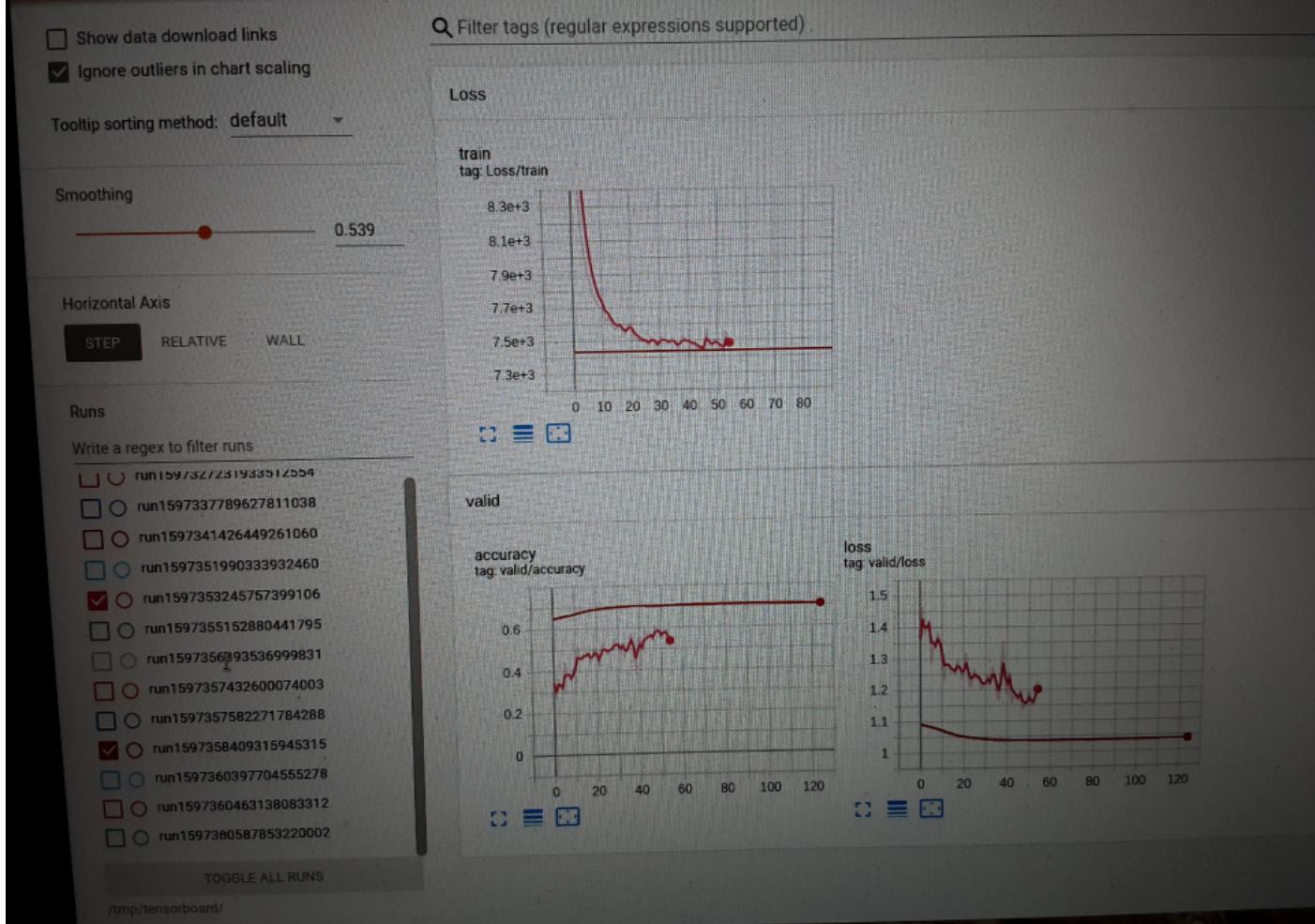
CONV 1_IN: 3	OUT: 6	KS: 4
CONV 2_IN: 6	OUT: 16	KS: 4
CONV 3_IN: 16	OUT: 32	KS: 4
CONV 4_IN: 32	OUT: 64	KS: 4

POOLING\_KS: 2 STRIDE: 2f PADDING: 0f

FC1_IN: 64x11x11	OUT: 120
FC2_IN: 120	OUT: 84
FC3_IN: 84	OUT: 4
FC4_IN:	OUT:

ACTIVATION\_1 : RLU

ACTIVATION\_2 : soft max (final)



EXPERIMENTO N°: Cinco 41814

Tiempo: 500s

✓ ADAM LR:  $3 \times 10^{-3}$

✗ SGD-LR:

BEST. ACRUACIA: 0,98

AC1: 0,38 AC2: 0,71 AC3: 0,64 AC4: 0,25

BEST-loss: 1,25

BEST-epoch: 37

ARCHITECTURE

Kernel size



CONV 1_IN:	3	OUT: 6	KS: 4
CONV 2_IN:	6	OUT: 16	KS: 4
CONV 3_IN:	16	OUT: 32	KS: 4
CONV 4_IN:		OUT: 64	KS: 4
CONV 5_IN:	64	OUT: 80	KS: 4

POOLING\_KS: STRIDE: PADDING:

FC1_IN:	64x11x11	OUT: 120
FC2_IN:	120	OUT: 84
FC3_IN:	84	OUT: 4
FC4_IN:		OUT:

ACTIVATION\_1 : ReLU

ACTIVATION\_2 : SoftMax