

# DHPT1.1 & DCDvB4pp Irradiation at KIT

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DUT: Hybrid5.0.05 with DHPT1.1, DCDpp and SwitcherBG

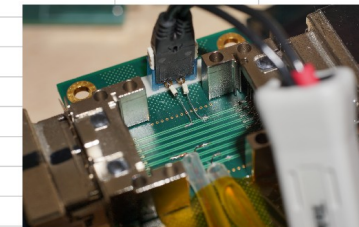
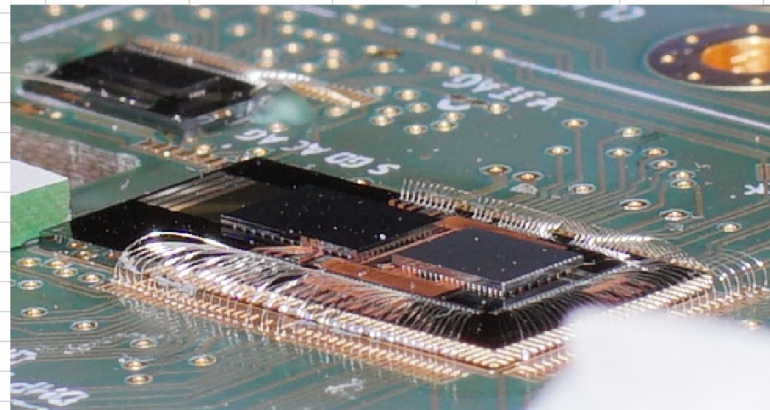
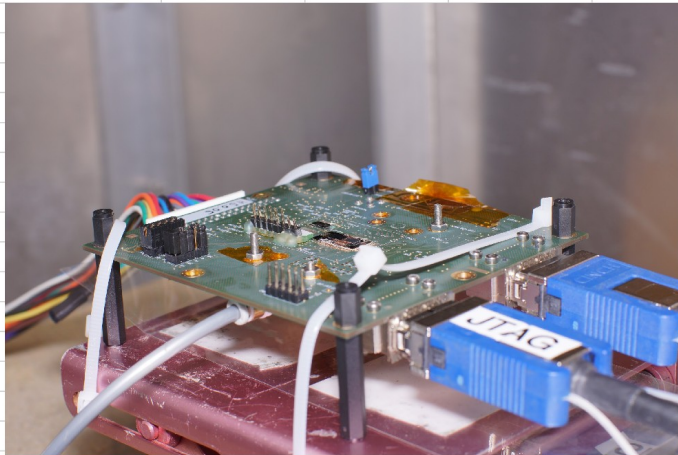
**signal paths:**

HS link	JTAG link
DHE	
1m Infiniband	RJ45 cable
JTBB	
1m Infiniband	5m Infiniband
Probeadapter	5m Infiniband
5m Infiniband	
Hybrid 5	



**wirebonds:**

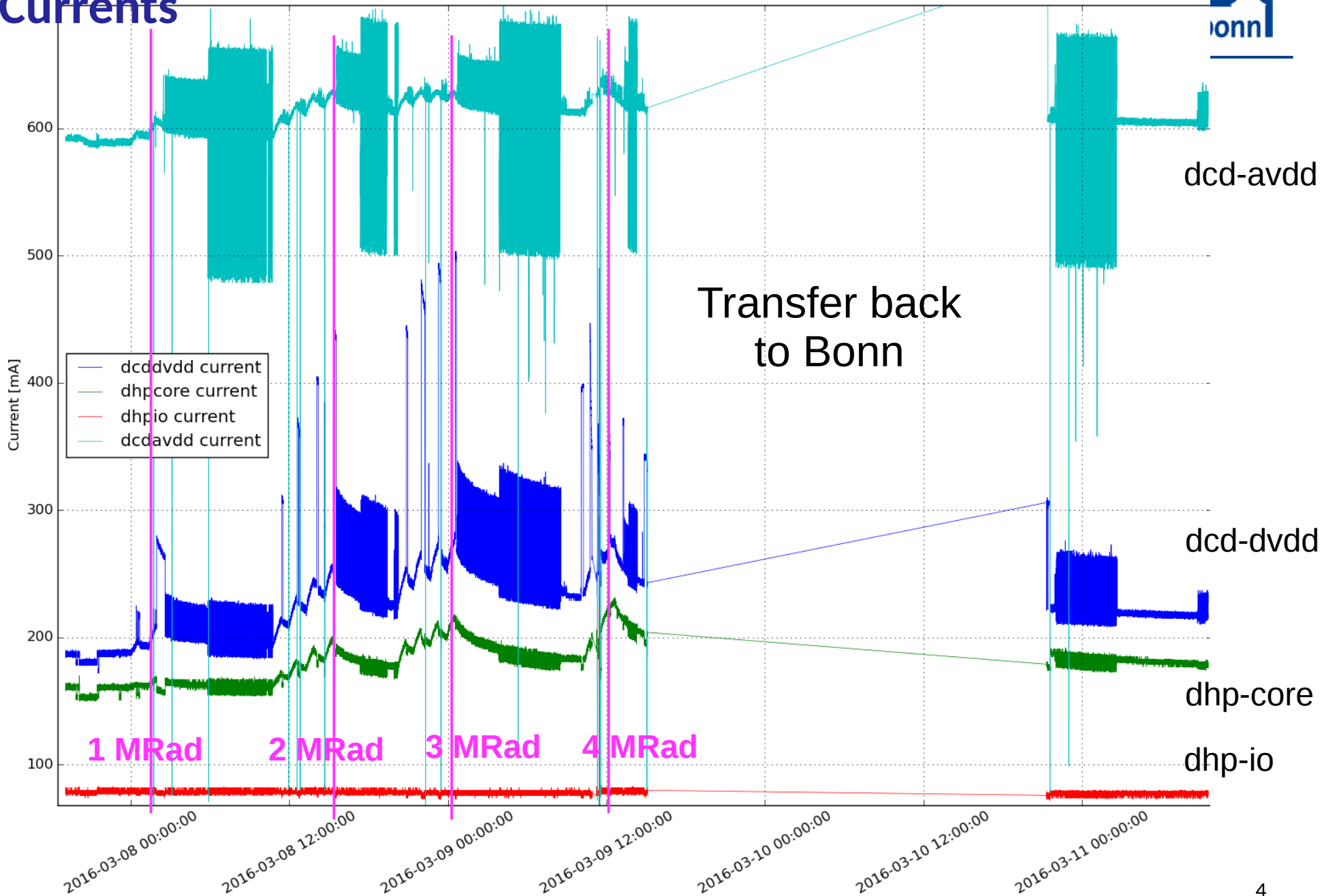
material	Al with 1% Si
max current for 10 mm	400 mA
max current for 1 mm	1 A
specific resistivity	0.03 Ohm mm <sup>2</sup> /m





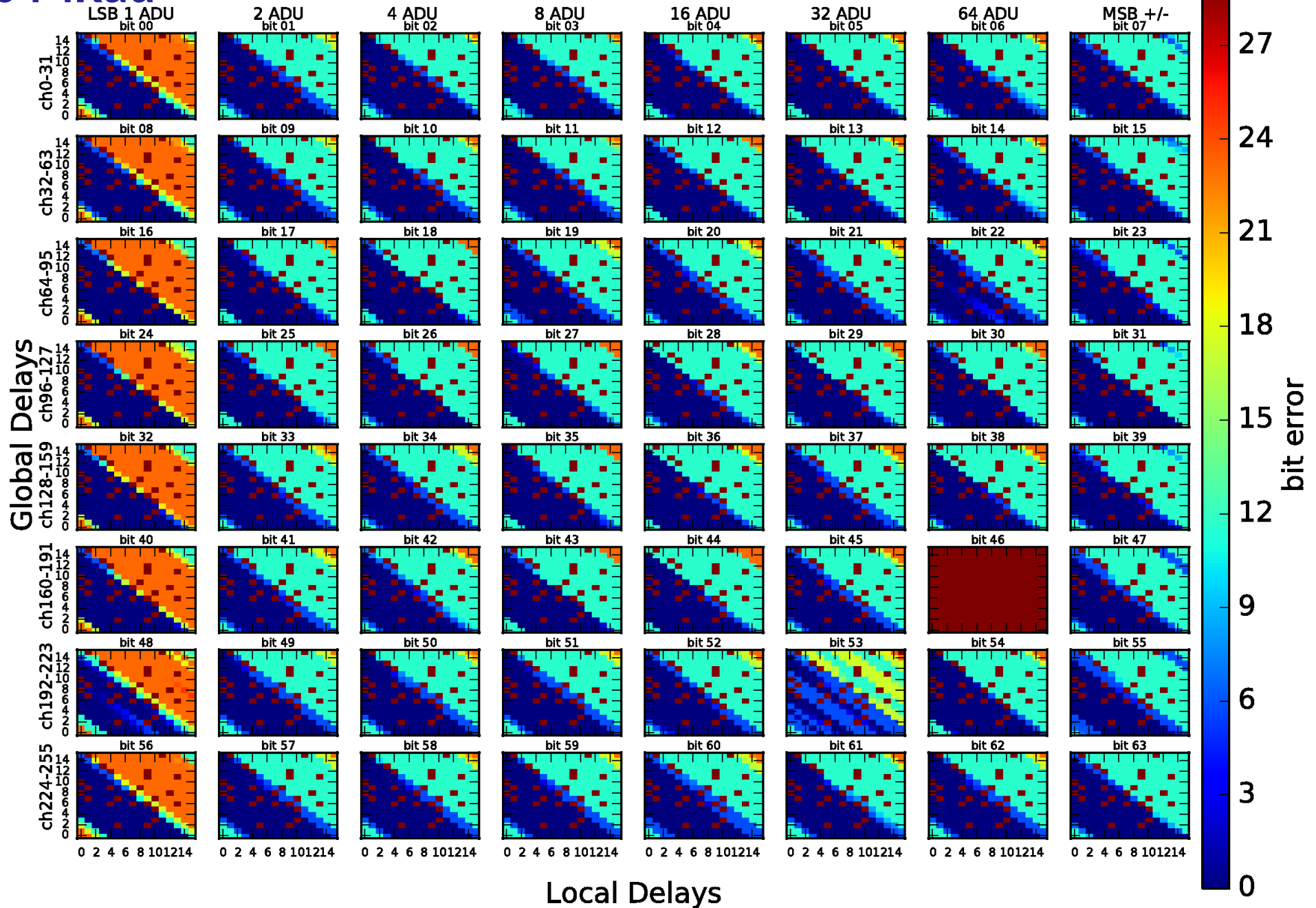
# Currents

PS-unit: 09



0 MRad

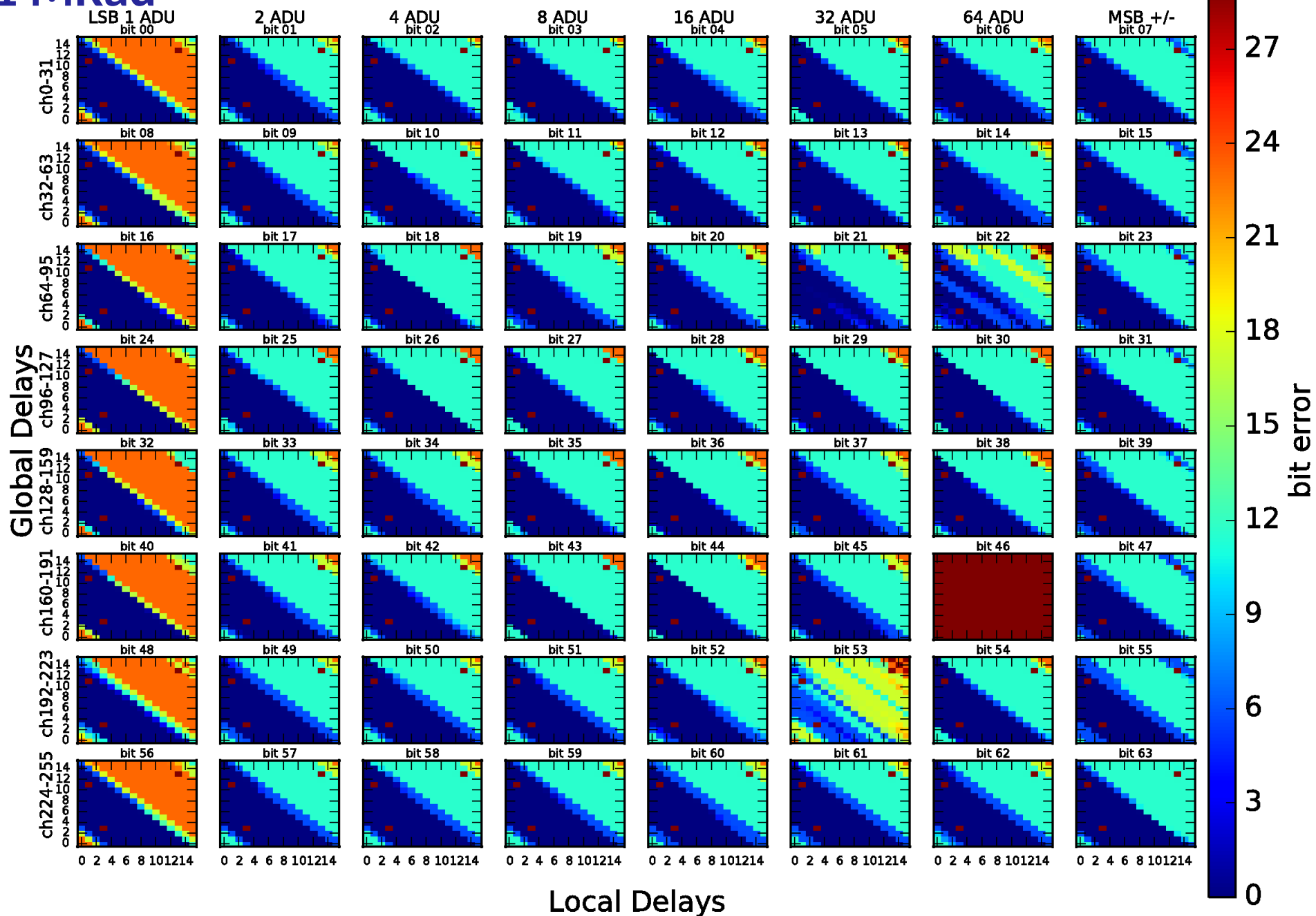
Delay scan - H5\_0\_05 - asicpair: 1





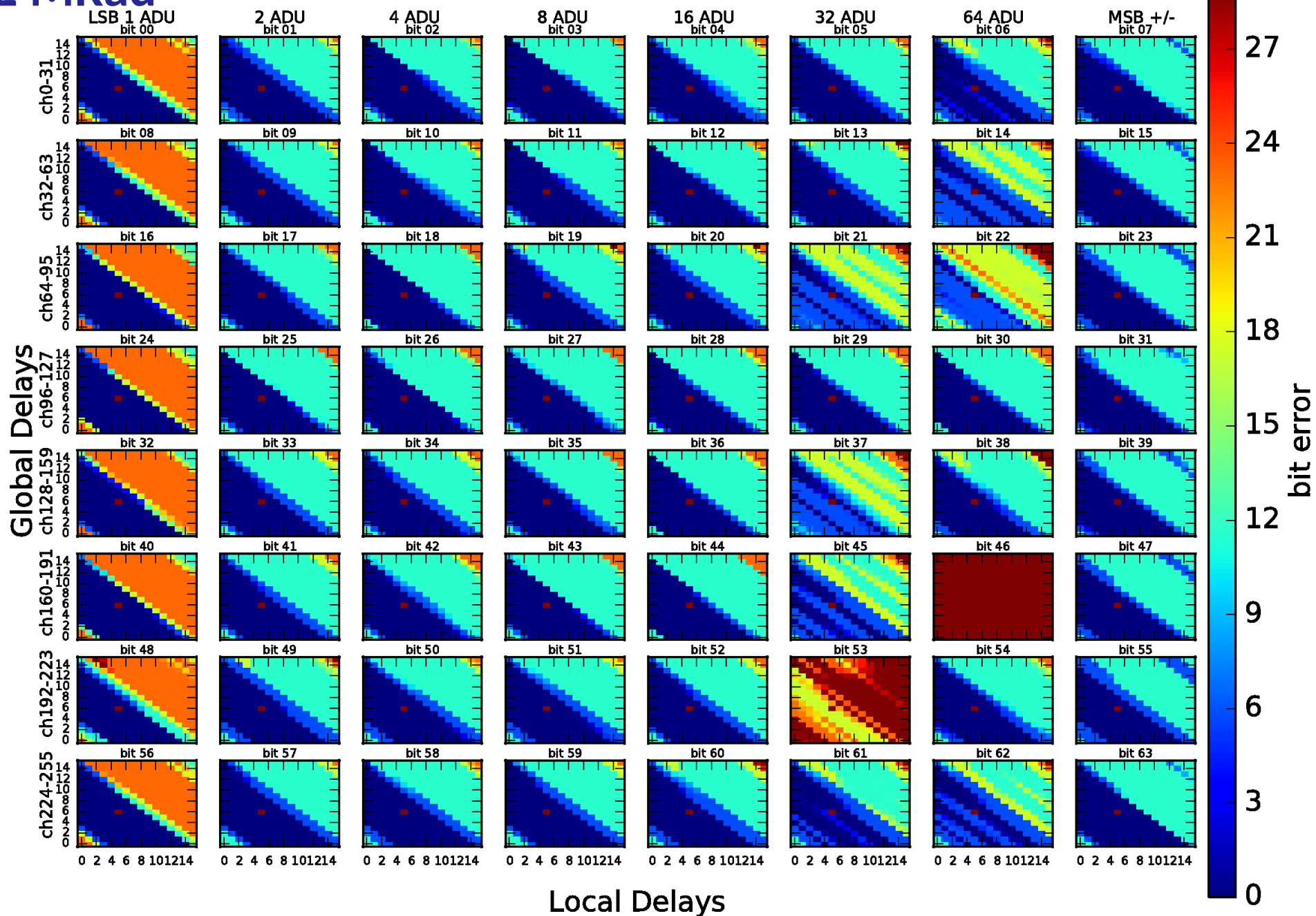
# 1 MRad

## Delay scan - H5\_0\_05 - asicpair: 1



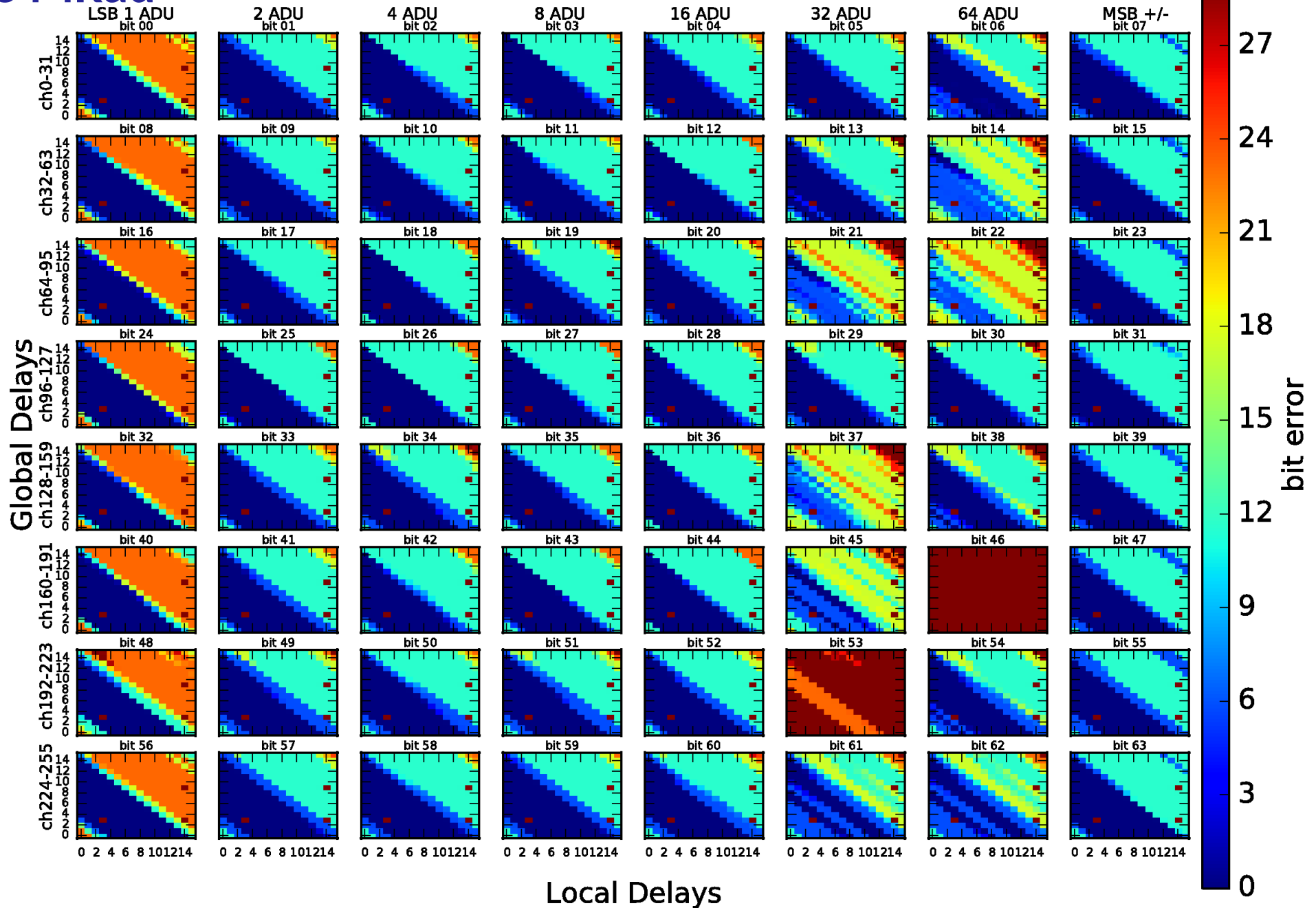
# 2 MRad

## Delay scan - H5\_0\_05 - asicpair: 1



# 3 MRad

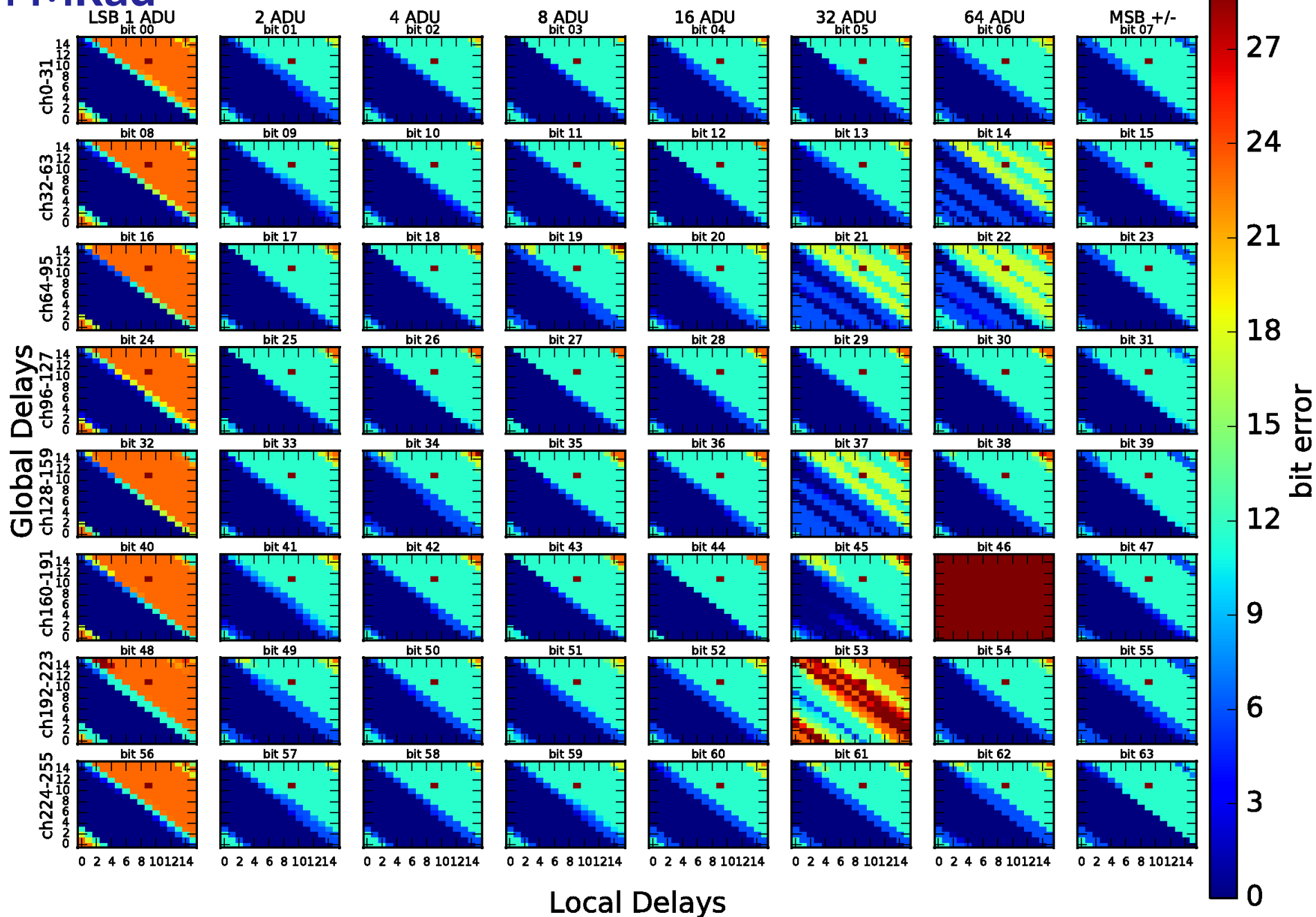
## Delay scan - H5\_0\_05 - asicpair: 1





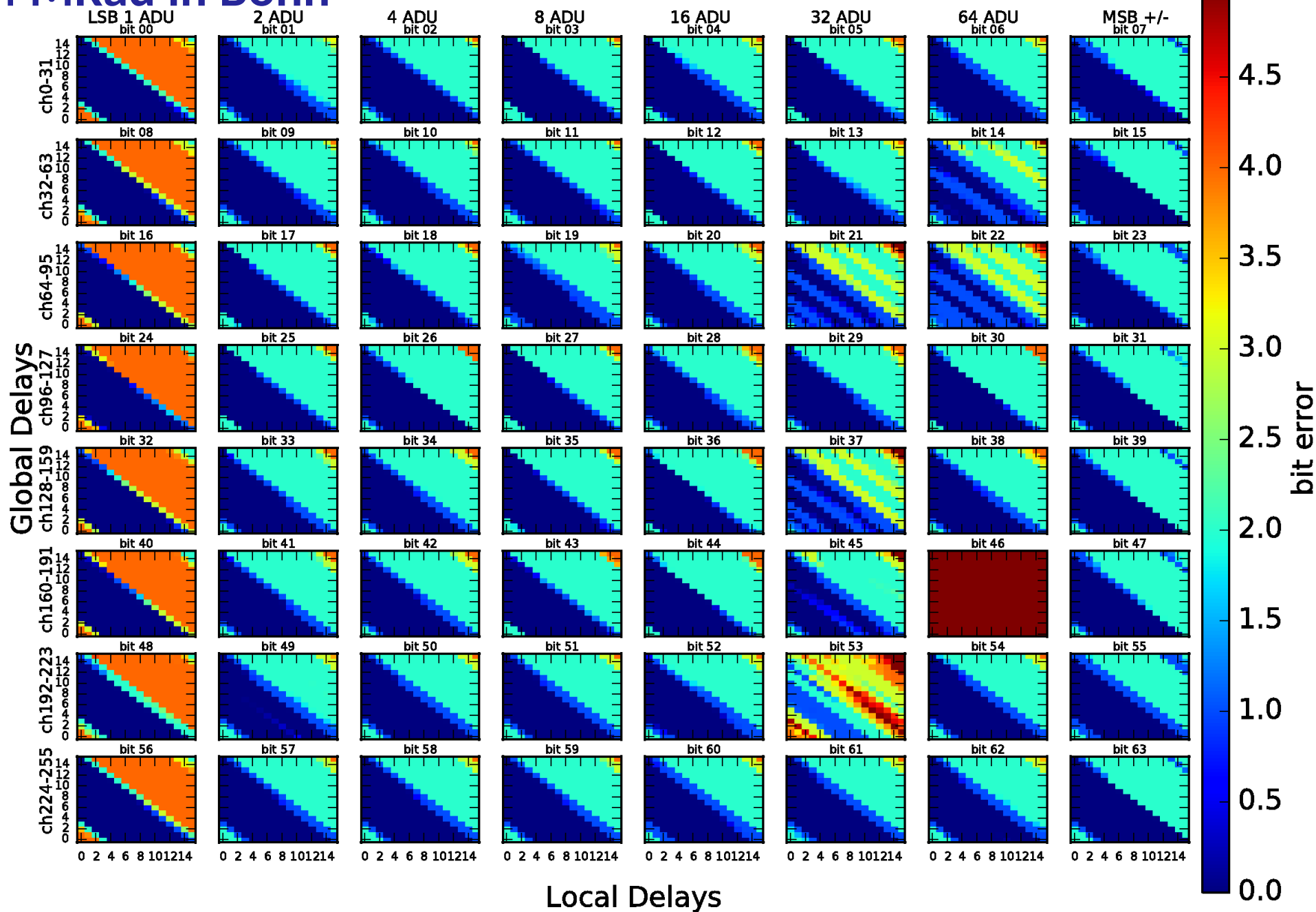
# 4 MRad

## Delay scan - H5\_0\_05 - asicpair: 1



# 4 MRad in Bonn

Delay scan - H5\_0\_05 - asicpair: 1



**Thank you**

