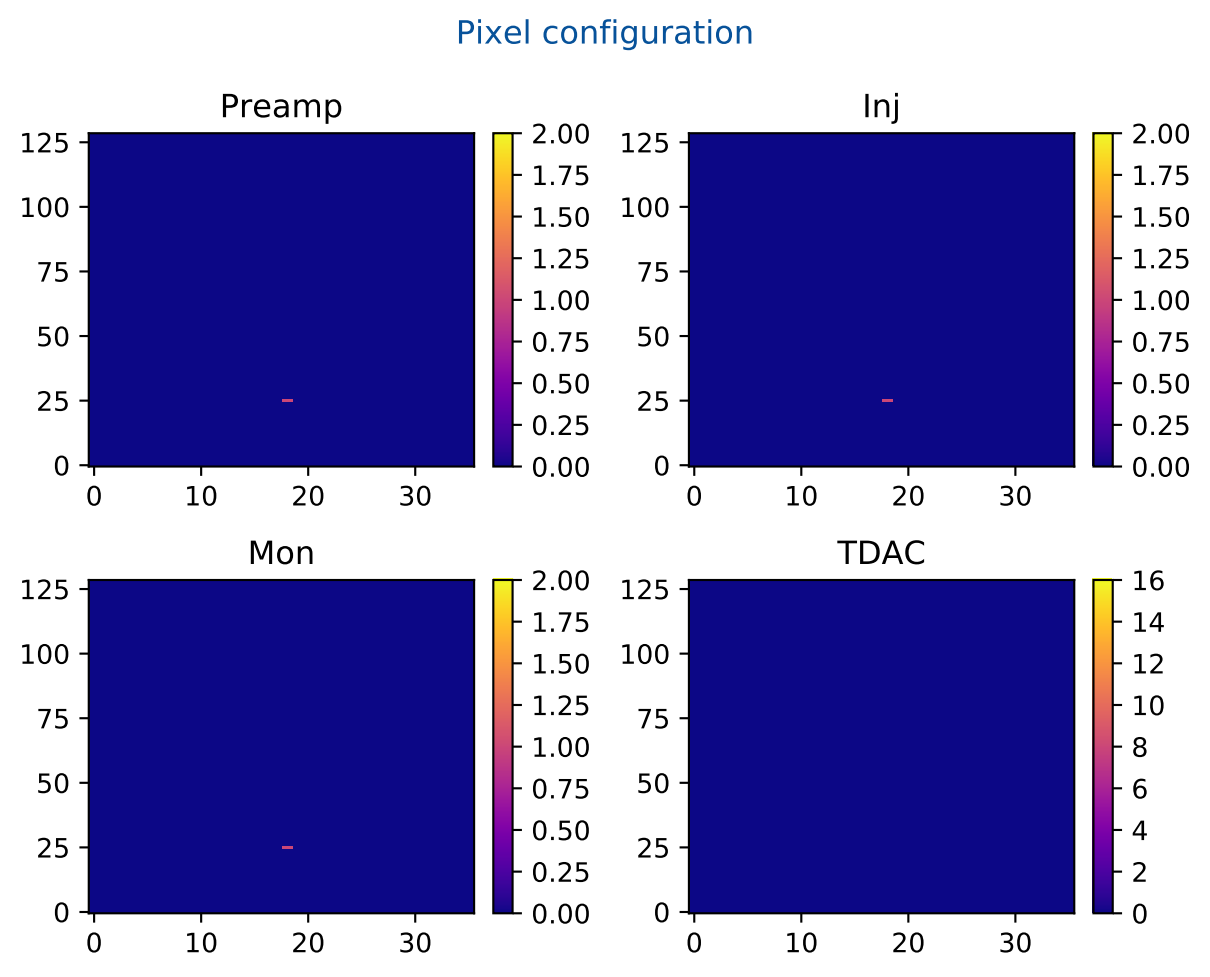
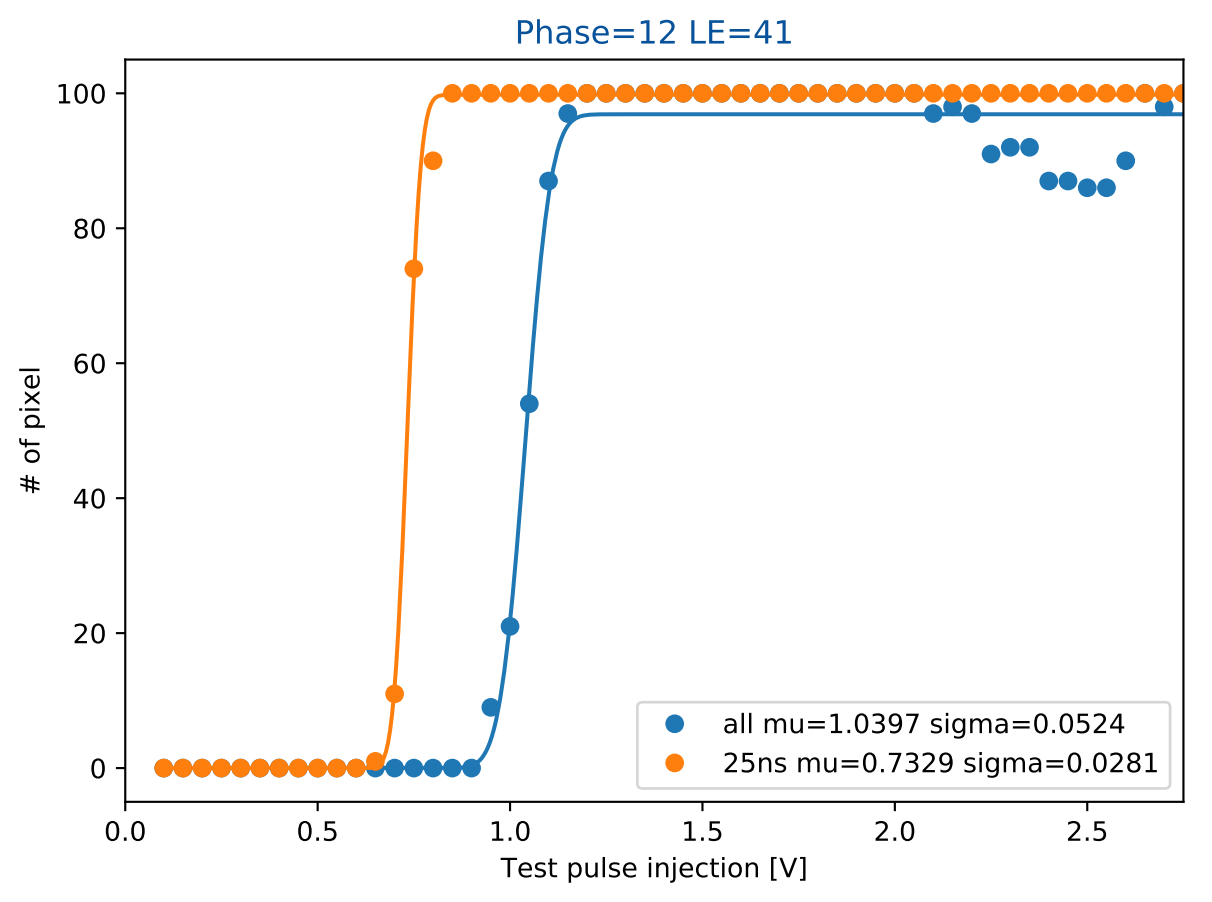
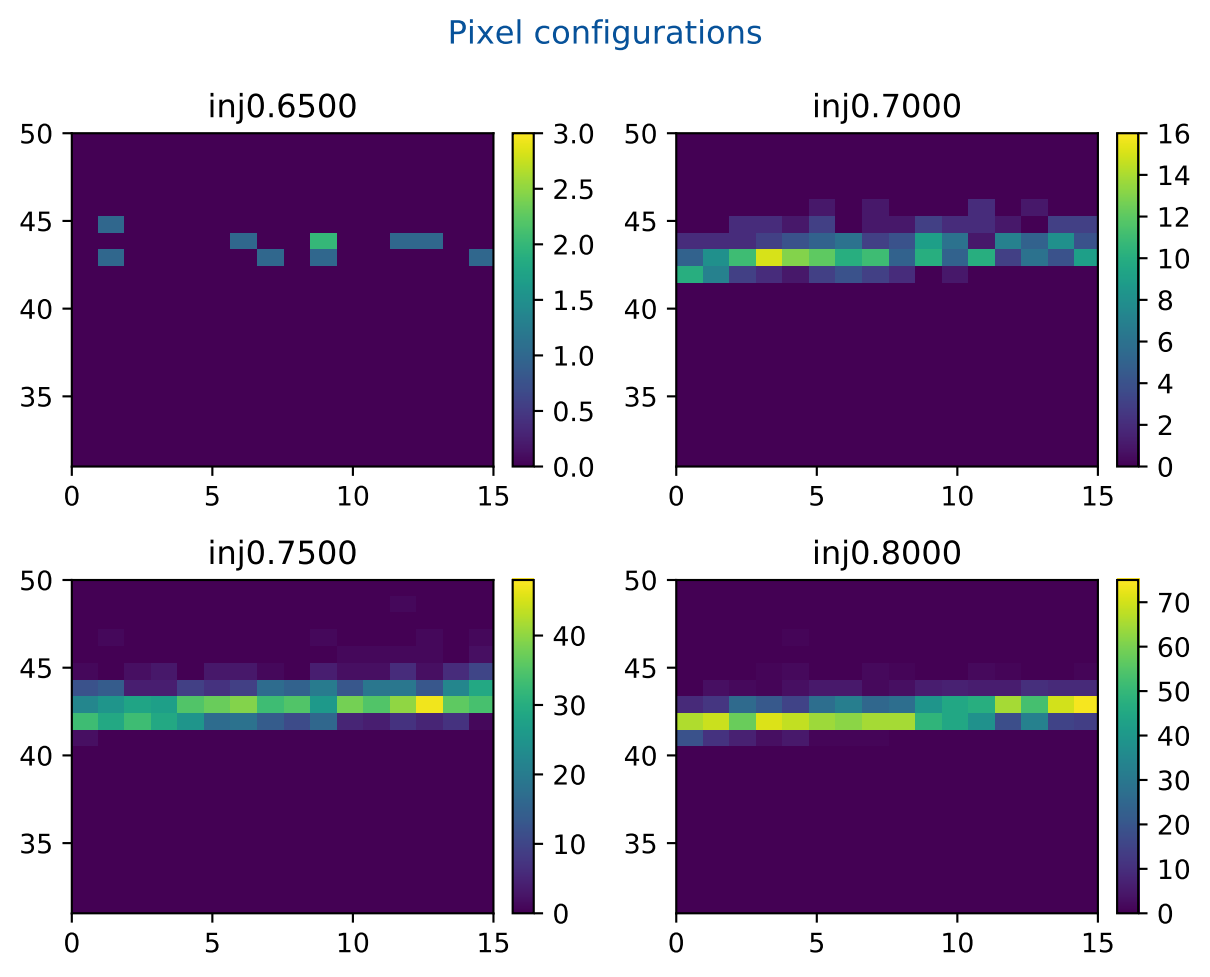
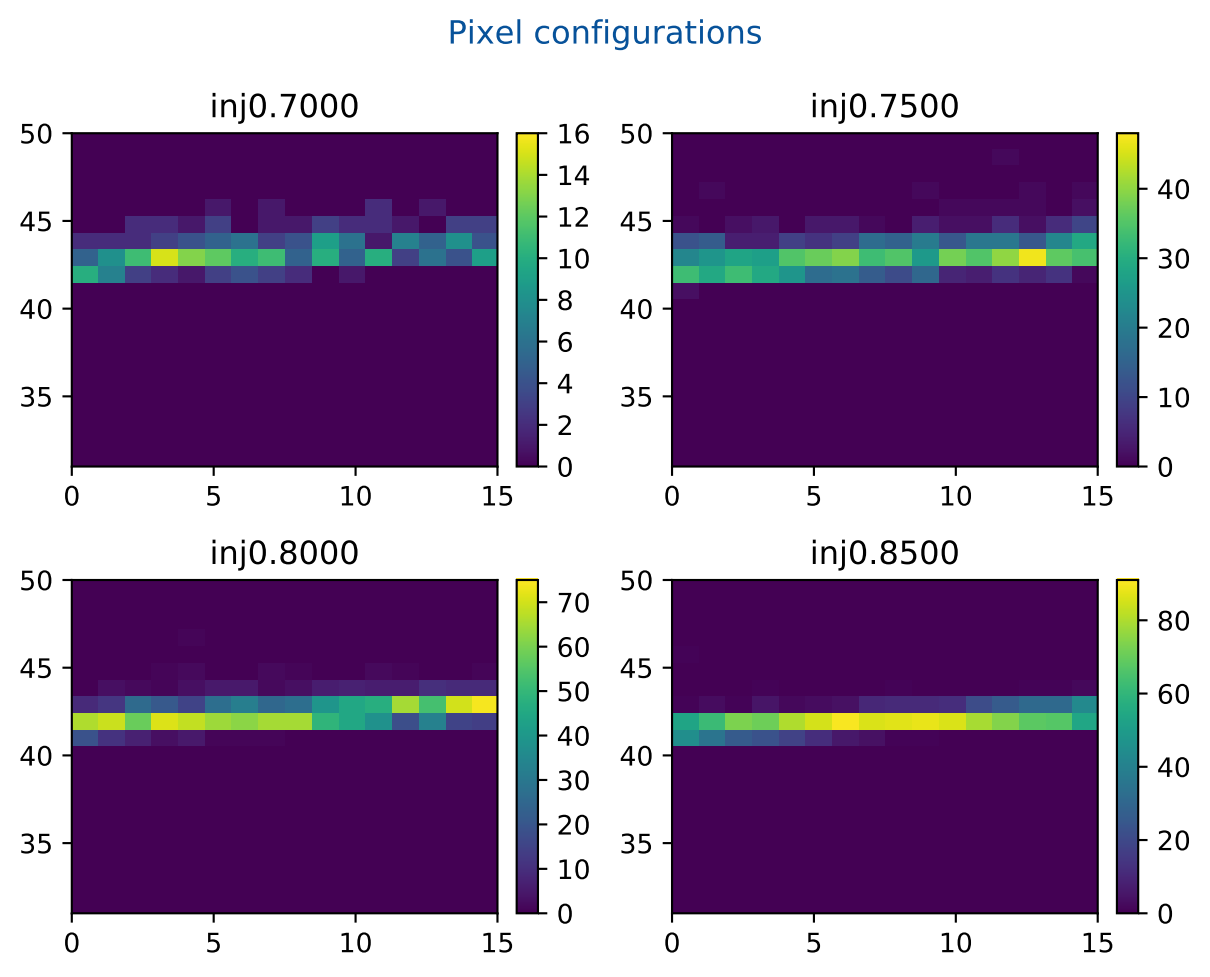
Chip configuration

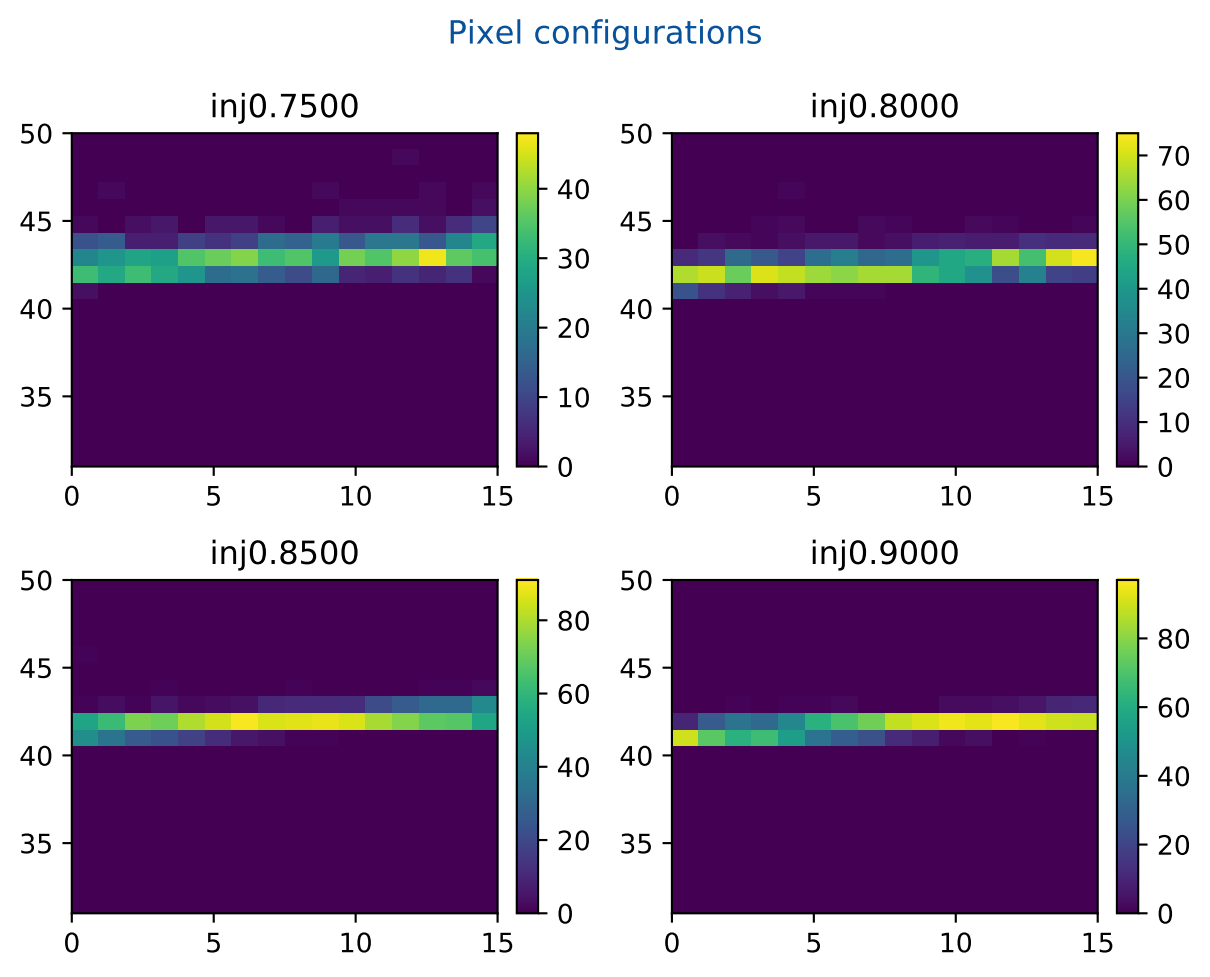
Param	Value	Param	Value	Param	Value
BLRes	32	VCascC[V]	0.79974355	VPLoad	11
BL[V]	0.750341831166	VCascC[mA]	0.0145648418152	Vbias_CS	32
BL[mA]	0.045634746736	VCascCset	0.8	Vfs	32
BLset	0.75	VCascN[V]	0.40083772064	Vsf_dis1	10
IBOTA	32	VCascN[mA]	-0.0319985296287	Vsf_dis2	20
IComp	32	VCascNset	0.4	Vsf_dis3	30
ILVDS	32	VDDA[V]	1.79389031936	inj_delay	5000
INJ_HIset	2.850000000000001	VDDA[mA]	4.01180696259	inj_n	100
INJ_LOset	0.1	VDDAset	1.8	inj_width	5000
LSBdacL	32	VDDD[V]	1.796276472		
NTC[V]	0.0461240249474	VDDD[mA]	1.99788805211		
NTC[mA]	0.00468387075	VDDDset	1.8		
NTCset	5	VDD_BCID_BUFF[V]	1.69467782447		
PBias[V]	1.82364750071	VDD_BCID_BUFF[mA]	6.47736804075		
PBias[mA]	-0.00112305991013	VDD_BCID_BUFFset	1.7		
PBiasset	0.5	VPC[V]	1.49956992545		
TH[V]	0.821190744428	VPC[mA]	0.100395843308		
TH[mA]	-0.00448188361234	VPCset	1.5		
THset	0.82	VPFB	32		
VAmp	32	VPFoll	12		

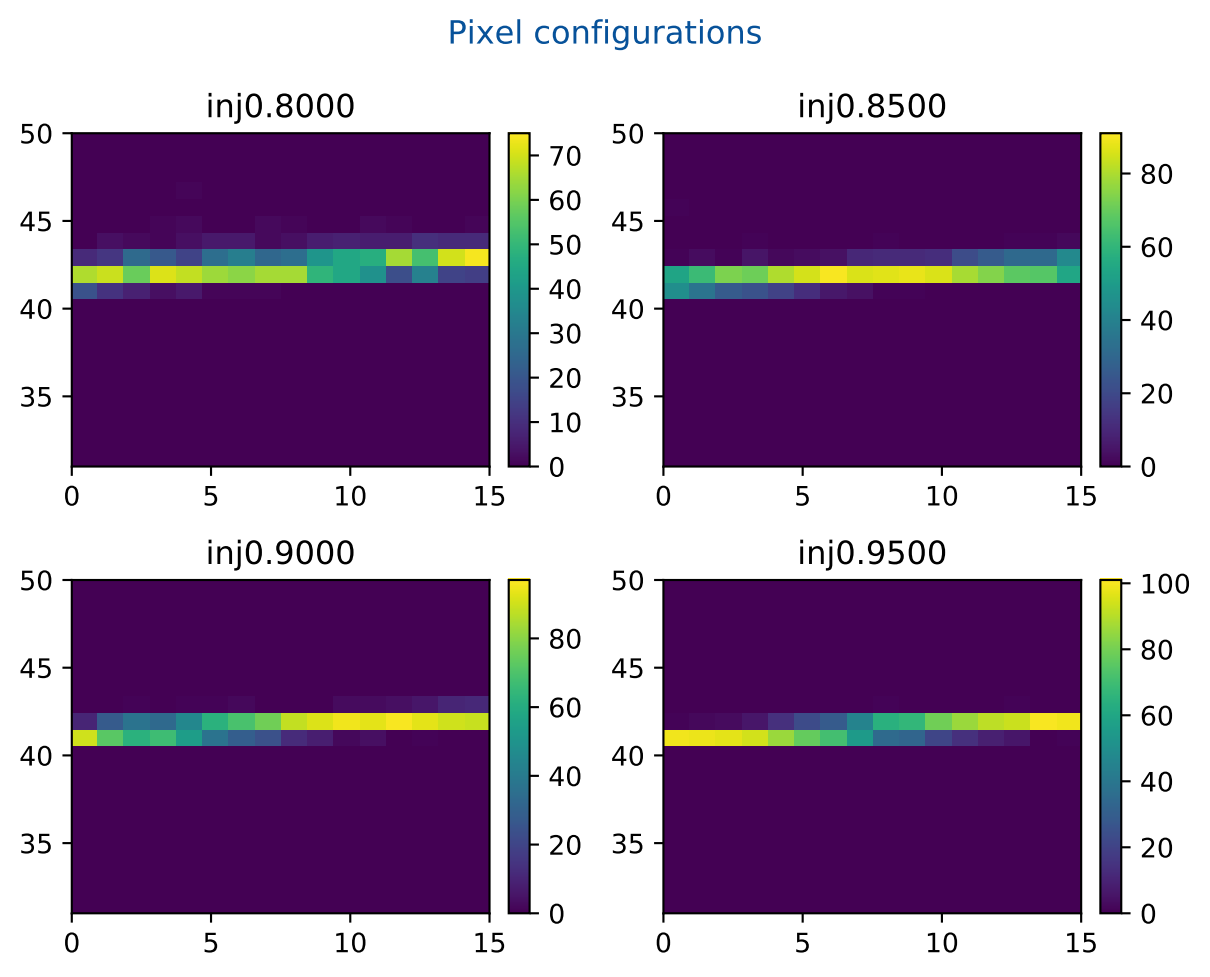

Pixel configuration
Preamp
Inj
Mon
TDAC
0
10
20
30
0
25
50
75
100
125
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00
0
2
4
6
8
10
12
14
16

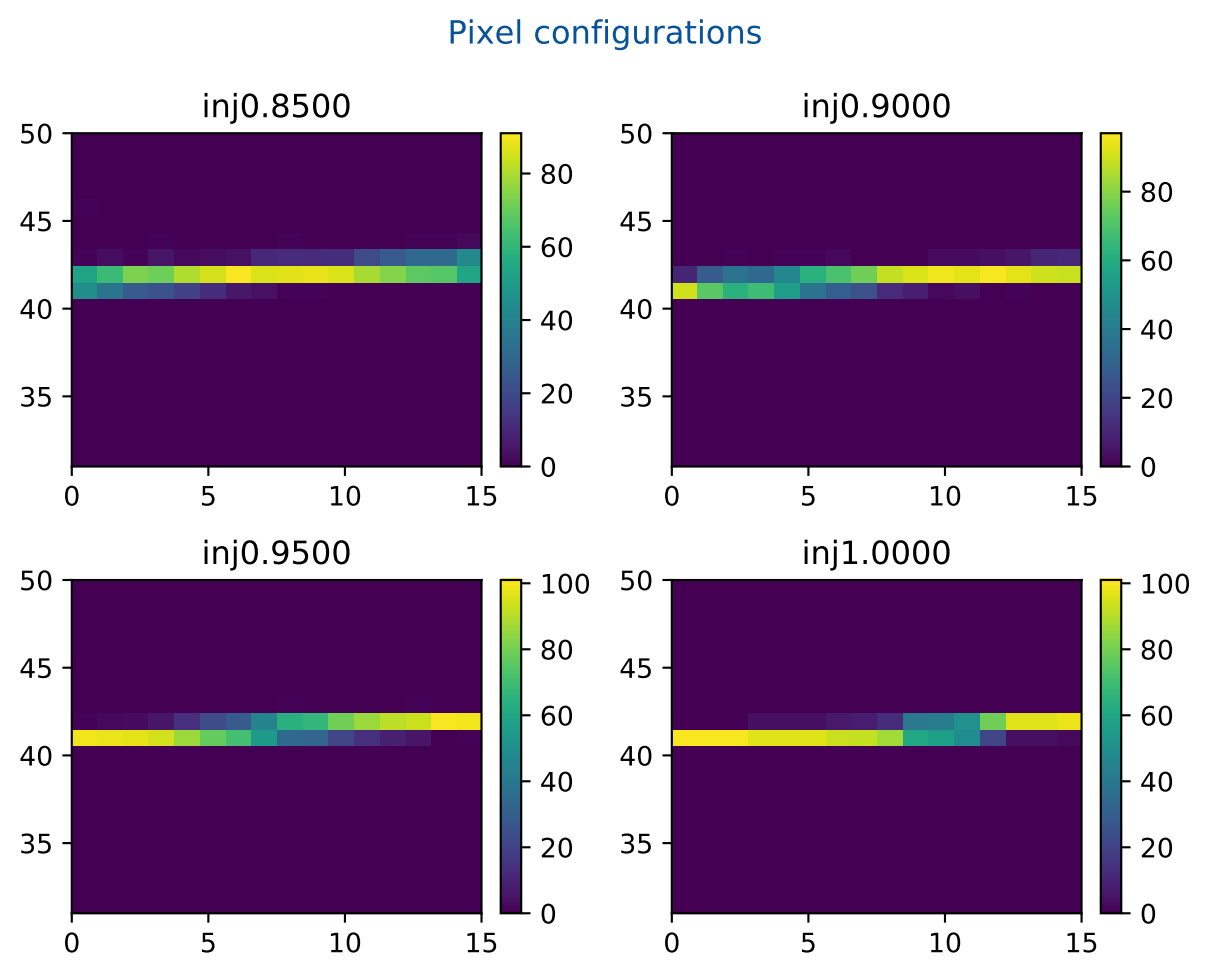

Phase=12 LE=41
# of pixel
Test pulse injection [V]
all mu=1.0397 sigma=0.0524
25ns mu=0.7329 sigma=0.0281

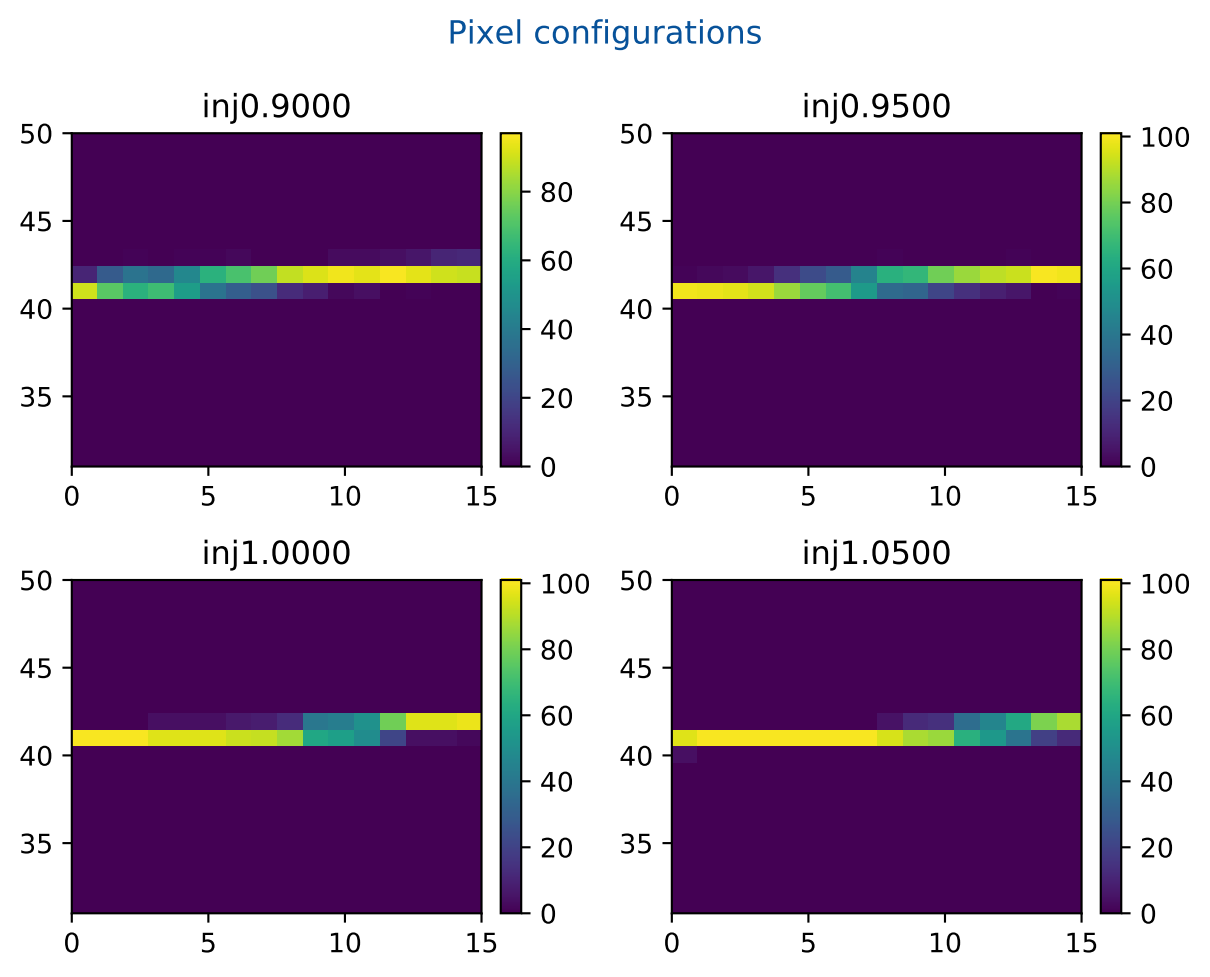

Pixel configurations
inj0.6500
inj0.7000
inj0.7500
inj0.8000

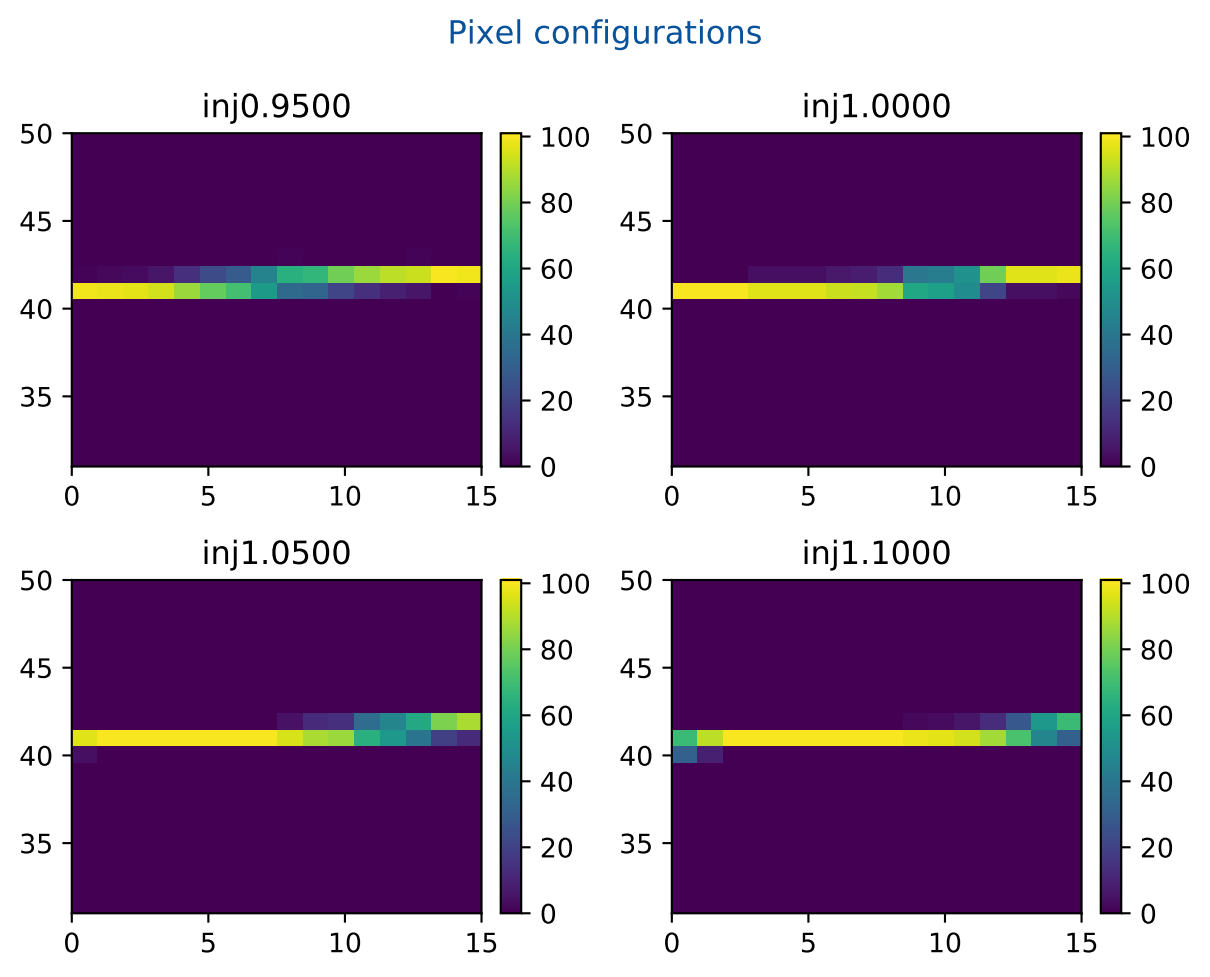

Pixel configurations
inj0.7000
inj0.7500
inj0.8000
inj0.8500
50
45
40
35
0
5
10
15
16
14
12
10
8
6
4
2
0
40
30
20
10
0
70
60
50
40
30
20
10
0
80
60
40
20
0

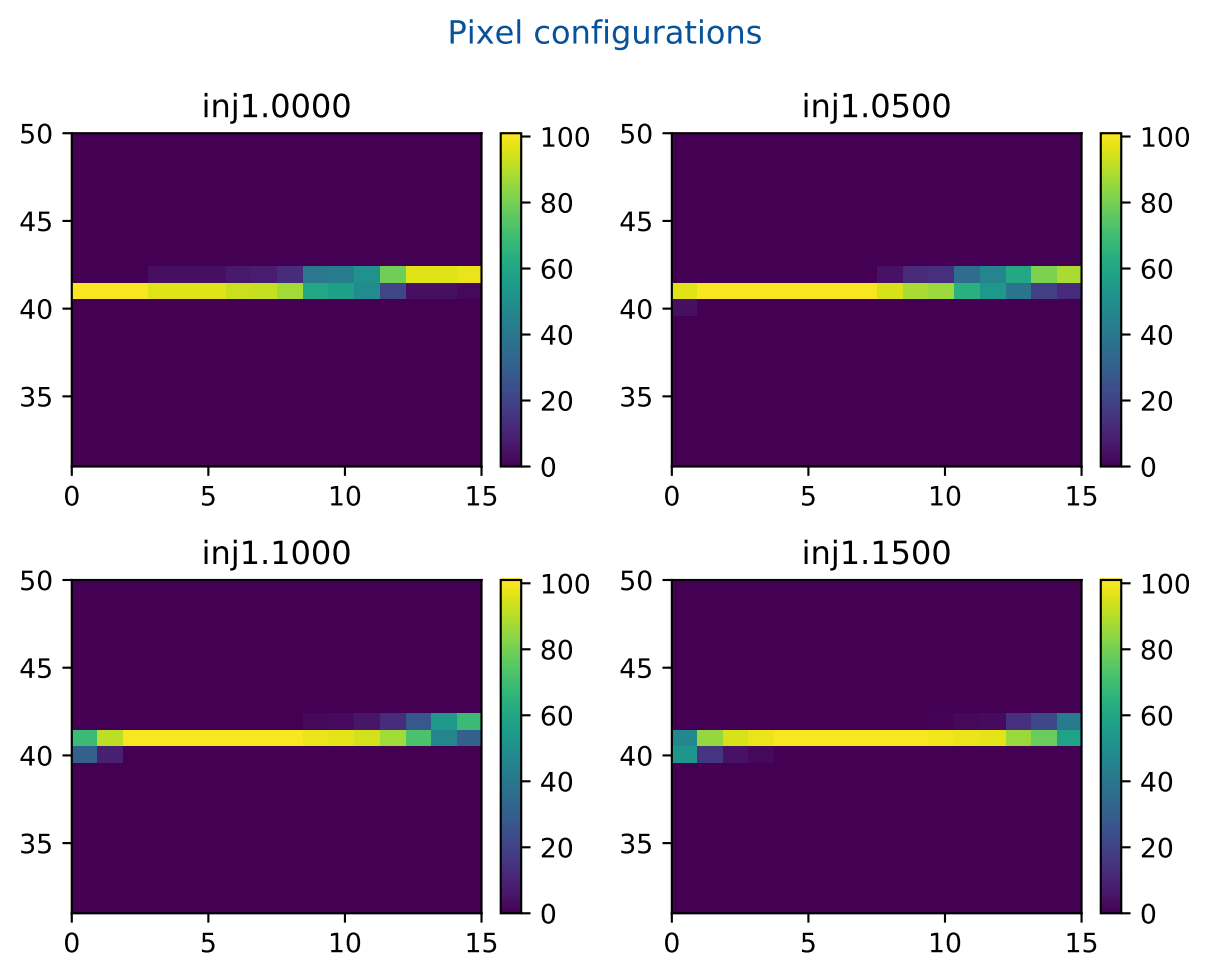

Pixel configurations
inj0.7500
inj0.8000
inj0.8500
inj0.9000
50
45
40
35
0
5
10
15
0
10
20
30
40
0
10
20
30
40
50
60
70
0
20
40
60
80
0
20
40
60
80

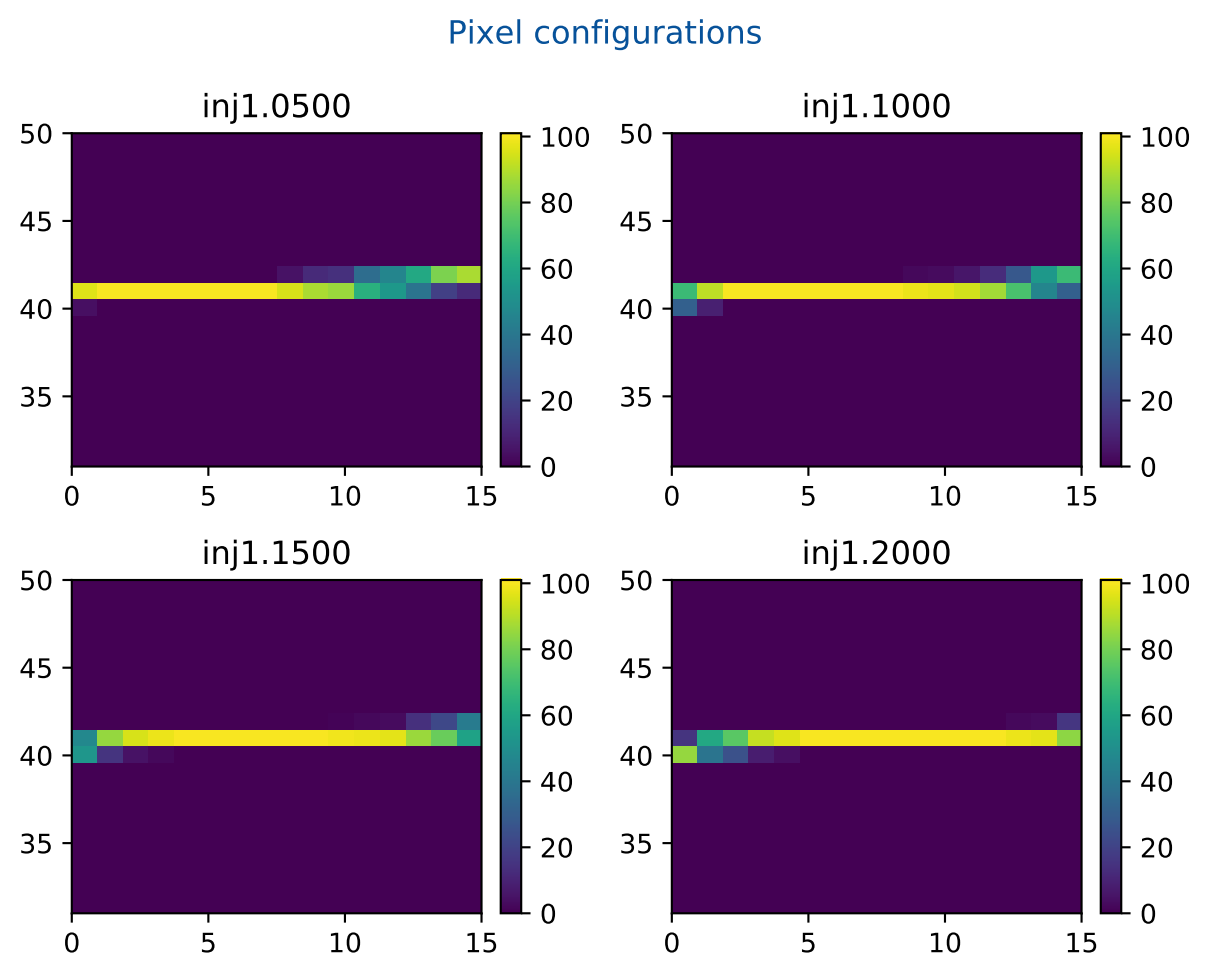

Pixel configurations
inj0.8000
inj0.8500
inj0.9000
inj0.9500

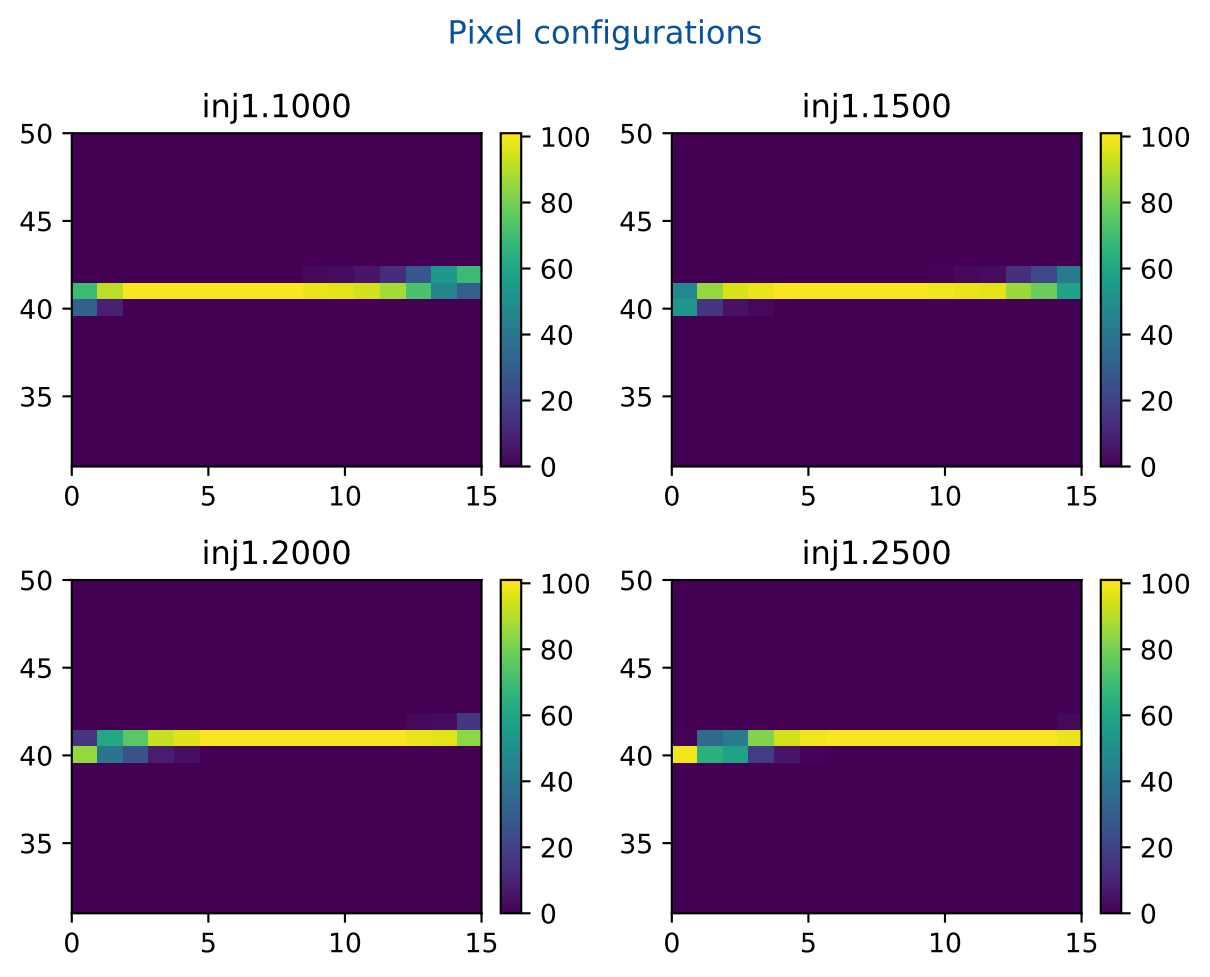

Pixel configurations
inj0.8500
inj0.9000
inj0.9500
inj1.0000
50
45
40
35
0
5
10
15
0
20
40
60
80
100

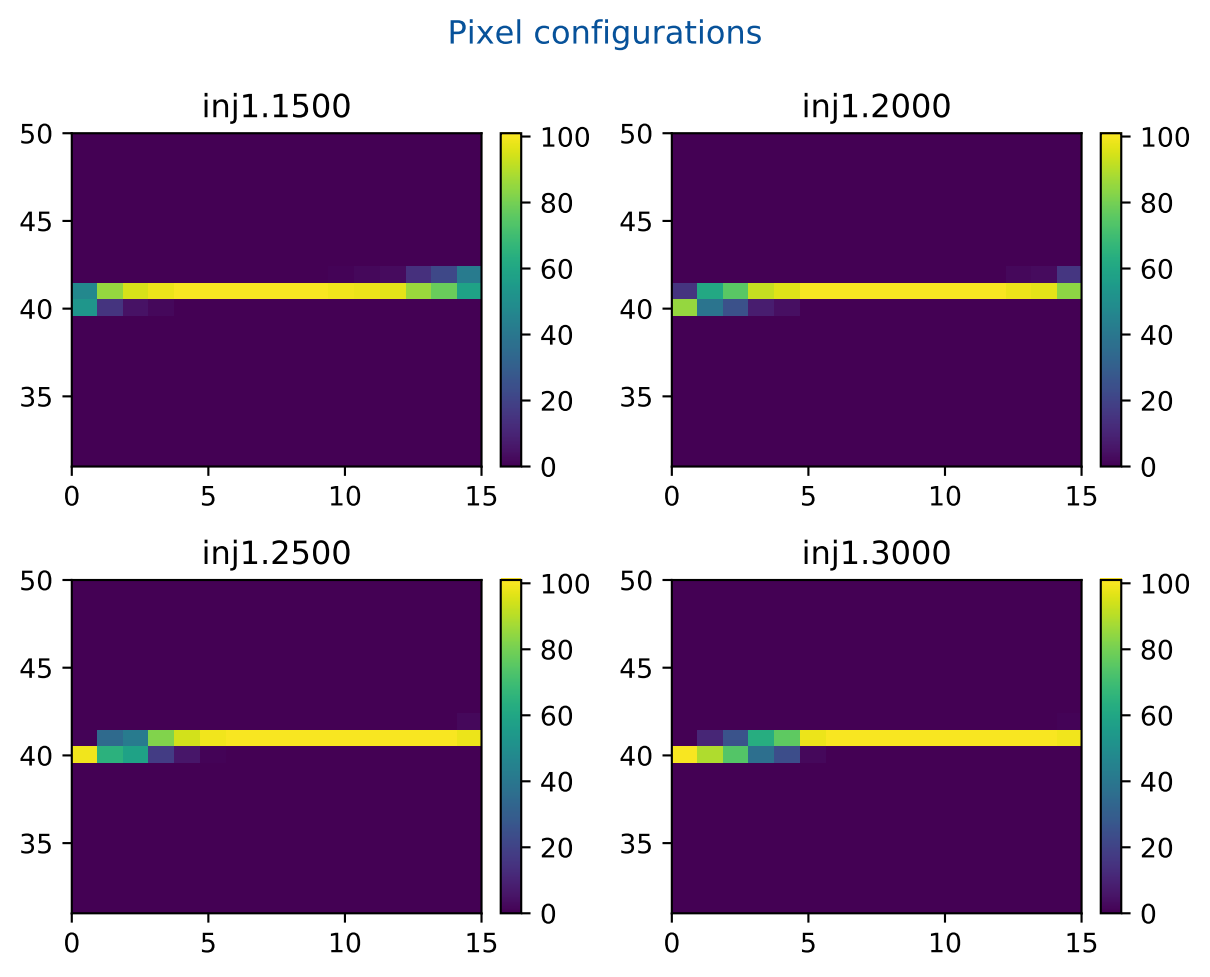

Pixel configurations
inj0.9000
inj0.9500
inj1.0000
inj1.0500
50
45
40
35
0
5
10
15
0
20
40
60
80
100


Pixel configurations
inj0.9500
inj1.0000
inj1.0500
inj1.1000
50
45
40
35
0
5
10
15
100
80
60
40
20
0


Pixel configurations
inj1.0000
inj1.0500
inj1.1000
inj1.1500
50
45
40
35
0
5
10
15
100
80
60
40
20
0


Pixel configurations
inj1.0500
inj1.1000
inj1.1500
inj1.2000
50
45
40
35
0
5
10
15
100
80
60
40
20
0


Pixel configurations
inj1.1000
inj1.1500
inj1.2000
inj1.2500
50
45
40
35
0
5
10
15
100
80
60
40
20
0


Pixel configurations
inj1.1500
inj1.2000
inj1.2500
inj1.3000
50
45
40
35
0
5
10
15
100
80
60
40
20
0