Framing Camera Sensitivities

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Framing Camera with CCD Status Update, AUG2019

Available GXD Framing Cameras at NIF

	Camera	# strips	Add'l INFO	Gain Rel	Pulse Vel (mm/ns)	UV-measured gate width (ps)@(bias V)	Actual Interstrip Timing
CCD	RGXD1F-200	4	No ERASER	18*	140	109 (50V) 107 (150V)	0/5/15/8 (co-timed)
CCD	RGXD1F-600	4	No ERASER	576 (32x of -200 config)	140	240 (150V)	
CCD	GXD3F &RGXD3F	4	No ERASER	5	142	115 (50V) 90 (300V)	
CCD	RGXD4F-200	4	No ERASER	11	137	100 (100V)	
CCD	RGXD4F -600 extended integration	4	No ERASER	176 (16x of -200 config)	139	228 (100V)	

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***GXD1 (only):** Strip 3 sensitivity = 1/3 of other strips. 50V MCP bias reduction recommended

Current HGXDs (updated AUG 2019)

	Camera	# Strips	Add'l INFO	Gain Rel	Pulse Vel (mm/ns)	UV-measured Gate width (ps)@(bias V)	Actual Interstrip Timing
FILM	HGXD1T	2	ERASER	0.8	154	106 (50V) 95 (150V)	
	HGXD2F	4	ERASER	2	132	~92(50V)/ ~82(200V)	0/250/514/743 (0/250/500/750)
	HGXD3T (aka HKB1)	2	ERASER	~0.8	137	~105(50V) 94(150V)	0/248 (0/250)
	HGXD5T-200	2	ERASER	~0.8	133	~96 (50V)	0/-14 (co-timed)
	HGXD5T-600	2	ERASER	3600* (4500x of -200 config)	132	~150 (250V)	0/11 (co-timed)
	HGXD6F	4	ERASER	2	135	~80(50V)/ ~72(250V)	0/285/500/687 (0/250/500/750)

: High MCP back bias recommended