## TABLE OF ALL RUNS

\*\* = check logbook for additional notes; probably not a useful run Note: Unless specified,  $^{14}$ C means the strong  $^{14}$ C source (0.9853  $\mu$ Ci), not the weak one.

Table 1. Source list

Source	Activity <sub>0</sub>	$t_0$	$t_{1/2}$	$Activity_t$
$^{241}\mathrm{Am}~\alpha$				
$^{241}\mathrm{Am}~\gamma$	$10.51~\mu\mathrm{Ci}$	12  Jan  1970		_
$^{14}$ C $\beta$ (strong)	$0.9853~\mu\mathrm{Ci}$	15 Nov 2012		_
$^{14}$ C $\beta$ (weak)	$45.18~\mathrm{nCi}$	01 Sept 2011		_
$^{133}\mathrm{Ba}\ \gamma$	2003			—
<sup>137</sup> Cs (window)	$10 \ \mu \mathrm{Ci}$			
$^{90}\mathrm{Sr}$				
$^{22}$ Na	$10\mu\mathrm{Ci}$	2003		

Table 2. 6/8/2016

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
001	4X	200	3	100 ms	none	10	$^{241}\mathrm{Am}~\alpha$
002	4X	200	3	$100 \mathrm{\ ms}$	none	2000	$^{241}\mathrm{Am}~\alpha$
003	10X	200	3	$100~\mathrm{ms}$	none	2000	$^{241}\mathrm{Am}~\alpha$
004	20X	200	3	$100~\mathrm{ms}$	none	2000	$^{241}\mathrm{Am}~\alpha$
005	10XS	200	3	$100~\mathrm{ms}$	none	2000	$^{241}\mathrm{Am}~\alpha$
006	20XS	200	3	$100~\mathrm{ms}$	none	2000	$^{241}\mathrm{Am}~\alpha$
007	20XS	200	3	$25~\mathrm{ms}$	none	500	$^{14}\mathrm{C}$
007.2	20XS	200	3	$25~\mathrm{ms}$	4x4	500	$^{14}\mathrm{C}$
008	10XS	200	3	$25~\mathrm{ms}$	4x4	500	$^{14}\mathrm{C}$
009	10XS	200	3	$25~\mathrm{ms}$	4x4	500	$\operatorname{dark}$
009.2	20XS	200	3	$25~\mathrm{ms}$	4x4	500	$\operatorname{dark}$

Date: 2016.

<sup>\* =</sup> aborted run

Table 3. 6/9/16

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
010	10XS	200	3	25  ms	4x4	500	$^{90}\mathrm{Sr}$
011	20XS	200	3	$25~\mathrm{ms}$	4x4	500	$^{90}\mathrm{Sr}$
012	10X	200	3	$25~\mathrm{ms}$	4x4	500	$^{90}\mathrm{Sr}$
013	20X	200	3	$25~\mathrm{ms}$	4x4	500	$^{90}\mathrm{Sr}$
014	10XS	200	3	$25~\mathrm{ms}$	4x4	500	$\operatorname{dark}$
015	20XS	200	3	$25~\mathrm{ms}$	4x4	500	$\operatorname{dark}$
016	10X	200	3	$25~\mathrm{ms}$	4x4	500	$\operatorname{dark}$
017	20X	200	3	25  ms	4x4	500	$\operatorname{dark}$
018	10XS	200	3	25  ms	none	5000	$^{14}\mathrm{C/mask}^*$
019	10XS	200	3	$25~\mathrm{ms}$	none	5000	$^{14}C/mask$
020	10XS	200	3	$25~\mathrm{ms}$	none	5000	dark/mask

Table 4. 6/10/16

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
-	10XS 10XS	200 200	3 3	25 ms 25 ms		8000 2000	$^{90}$ Sr $^{14}$ C/linemask

Table 5. 6/13/10

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
023	10XS	200	3	25  ms	4x4	500	dummy
024	10XS	200	3	25  ms	4x4	500	$^{241}\mathrm{Am}~\gamma$
025	10XS	200	3	10  ms	4x4	500	$^{241}\mathrm{Am}~\gamma$
026	10XS	200	3	10  ms	4x4	750	$\operatorname{dark}$
027	10XS	200	3	25  ms	4x4	500	$\operatorname{dark}$
028	10XS	200	3	25  ms	4x4	1000	$^{22}Na$
029	10XS	200	3	25  ms	4x4	1000	$^{133}\mathrm{Ba}$
030	10XS	200	3	25  ms	4x4	1000	$^{14}\mathrm{C}$ weak
031	10XS	200	3	$25~\mathrm{ms}$	4x4	1000	$\operatorname{dark}$

Table 6. 6/15/10

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
032	10XS	200	3	$25~\mathrm{ms}$	4x4	5000	$^{133}\mathrm{Ba}$
033	10XS	200	3	25  ms	4x4	5000	$\operatorname{dark}$
034	10XS	200	3	25  ms	4x4	5000	$^{241}\mathrm{Am}~\gamma$
035	10XS	200	3	25  ms	4x4	5000	<sup>14</sup> C strong
036	10XS	200	3	25  ms	4x4	5000	$^{137}\mathrm{Cs}~\gamma\beta$

Table 7. 6/16/10

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
037	10XS	200	3	10 ms	4x4	10000	<sup>14</sup> C strong
038	10XS	200	3	10  ms	4x4	10000	<sup>14</sup> C strong
039	10XS	200	3	10  ms	4x4	10000	$\operatorname{dark}$
040	10XS	200	3	25  ms	4x4	10000	$\operatorname{dark}$
041	10XS	200	3	25  ms	4x4	10000	<sup>14</sup> C strong
042	10XS	200	3	25  ms	4x4	10000	<sup>14</sup> C strong
043			_				_
044	10XS	200	3	$25~\mathrm{ms}$	4x4	10000	$^{241}\mathrm{Am}~\alpha~\mathrm{mask}$

Table 8. 6/23/10

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
045	10XS	200	3	$10~\mathrm{ms}$	none	10	cloth
046	10XS	200	3	25  ms	4x4	10000	cloth
047	20XS	200	3	25  ms	4x4	10000	cloth
048	20XS	200	3	$25~\mathrm{ms}$	4x4	10000	$\operatorname{dark}$

Table 9. 6/30/16

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
049	10XS	200	3	25  ms	2x2	10000	<sup>14</sup> C weak
050	10XS	200	3	$25~\mathrm{ms}$	4x4	1000	$^{90}\mathrm{Sr}$
050.2	10XS	200	3	25  ms	4x4	1000	$^{90}$ Sr (cloth)
051	10XS	200	3	25  ms	4x4	1000	$^{137}\mathrm{Cs}~\gamma\beta$
052	10XS	200	3	$25~\mathrm{ms}$	4x4	1000	$^{137}\mathrm{Cs} \ \gamma\beta \ (\mathrm{cloth})$

Table 10. 6/30/16: Paper Mask

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
	10XS 10XS	200 200	3	25 ms 25 ms		10000 10000	<sup>14</sup> C w/ paper

Table 11. 6/30/16: Gain Testing

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
053	10XS	200	3	$25~\mathrm{ms}$	4x4	1000	$^{14}\mathrm{C}$
055	10XS	200	1	$25~\mathrm{ms}$	4x4	1000	$^{14}\mathrm{C}$
056	10XS	200	2	$25~\mathrm{ms}$	4x4	1000	$^{14}\mathrm{C}$
057	10XS	200	3	25  ms	4x4	1000	$^{14}\mathrm{C}$
058	10XS	100	1	25  ms	4x4	1000	$^{14}\mathrm{C}$
059	10XS	100	2	25  ms	4x4	1000	$^{14}\mathrm{C}$
060	10XS	100	3	25  ms	4x4	1000	$^{14}\mathrm{C}$
061	10XS	300	1	25  ms	4x4	1000	$^{14}\mathrm{C}$
062	10XS	300	2	25  ms	4x4	1000	$^{14}\mathrm{C}$
063	10XS	300	3	25  ms	4x4	1000	$^{14}\mathrm{C}$
064	10XS	400	1	$25~\mathrm{ms}$	4x4	1000	$^{14}\mathrm{C}$
065	10XS	400	2	$25~\mathrm{ms}$	4x4	1000	$^{14}\mathrm{C}$
066	10XS	400	3	$25~\mathrm{ms}$	4x4	1000	$^{14}\mathrm{C}$

Table 12. 7/1/2016: Very long masked  $^{14}\mathrm{C}$  run

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
068	10XS	200	3	$25~\mathrm{ms}$	4x4	49354	<sup>14</sup> C w/ paper

TABLE 13. 7/1/2016: Gain Testing Dark Runs

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
069	10XS	200	3	25  ms	4x4	1000	dark
070	10XS	200	2	$25~\mathrm{ms}$	4x4	1000	$\operatorname{dark}$
071	10XS	200	1	25  ms	4x4	1000	$\operatorname{dark}$
072	10XS	100	3	25  ms	4x4	1000	$\operatorname{dark}$
073	10XS	100	2	25  ms	4x4	1000	$\operatorname{dark}$
074	10XS	100	1	25  ms	4x4	1000	$\operatorname{dark}$
075	10XS	300	3	25  ms	4x4	1000	$\operatorname{dark}$
076	10XS	300	2	25  ms	4x4	1000	$\operatorname{dark}$
077	10XS	300	1	25  ms	4x4	1000	$\operatorname{dark}$
078	10XS	400	3	$25~\mathrm{ms}$	4x4	1000	$\operatorname{dark}$
079	10XS	400	2	$25~\mathrm{ms}$	4x4	1000	$\operatorname{dark}$
080	10XS	400	1	$25~\mathrm{ms}$	4x4	1000	$\operatorname{dark}$

Table 14. 7/11/2016

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
081	10XS	200	3	$25~\mathrm{ms}$	4x4	10000	$^{241}\mathrm{Am}~\alpha$
082	10XS	200	3	$25~\mathrm{ms}$	4x4	10000	$^{241}$ Am $\alpha$ w/ paper

Table 15. 7/26/2016: Finding minimum detectable activity

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
083	10XS	200	3	25  ms	4x4	8999	$^{241}\mathrm{Am}\ \alpha;\ \mathrm{paper}$
084					_		
085	10XS	200	3	$25~\mathrm{ms}$	4x4	8985	$^{241}$ Am $\gamma$ ; nothing
086	10XS	200	3	25  ms	4x4	8970	<sup>14</sup> C weak; spacer
087	10XS	200	3	25  ms	4x4	9000	$^{14}\text{C}$ ; 250 $\mu\text{m}$ mask
088	10XS	200	3	$25~\mathrm{ms}$	4x4	9000	<sup>14</sup> C; spacer

Table 16. 7/28/16: Finding minimum detectable activity correctly

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
089	10XS	200	3	$25~\mathrm{ms}$	4x4	9994	<sup>14</sup> C; nothing
090	10XS	200	3	$25~\mathrm{ms}$	4x4	9999	<sup>14</sup> C; spacer
091	10XS	200	3	25  ms	4x4	10000	$^{14}\mathrm{C};\ 250\ \mu\mathrm{m}\ \mathrm{mask}$
092	10XS	200	3	25  ms	4x4	10000	<sup>14</sup> C weak; spacer

Table 17. 7/29/16: Finding minimum detectable activity with americium

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
093	10XS	200	3	25  ms	4x4	9999	<sup>14</sup> C; 1 mm mask
094	10XS	200	3	25  ms	4x4	10000	<sup>241</sup> Am; nothing
095	10XS	200	3	25  ms	4x4	10000	<sup>241</sup> Am; spacer
096	10XS	200	3	25  ms	4x4	10000	$^{241}$ Am; 250 $\mu$ m mask
097	10XS	200	3	25  ms	4x4	9998	<sup>241</sup> Am; 1 mm mask

Table 18. 8/2/16: New Cs and Sr runs (old Sr run had readout speed of 17 MHz instead of 5 MHz); Sr run for position resolution

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
	10XS 10XS	200 200	3	25 ms 25 ms	4x4 4x4	10000 9999	$^{137}{ m Cs}$ $^{90}{ m Sr}$
100	10XS	200	3	$25~\mathrm{ms}$	4x4	10000	$^{90}\mathrm{Sr};250~\mu\mathrm{m}$ mask

Table 19. 8/3/16: Very long masked runs for position resolution

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
101	10XS	200	3	$25~\mathrm{ms}$	4x4	19999	$^{14}\mathrm{C};~250~\mu\mathrm{m}~\mathrm{mask}$
102				_			
103	10XS	200	3	$25~\mathrm{ms}$	4x4	20000	$^{241}$ Am; 250 $\mu$ m mask

Table 20. 8/3/16: New C, Cs, and Sr data to see if results from yesterday can be replicated

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
104	10XS	200	3	$25~\mathrm{ms}$	4x4	10000	<sup>14</sup> C
105	10XS	200	3	25  ms	4x4	10000	$^{137}\mathrm{Cs}$
106	10XS	200	3	25  ms	4x4	10000	$^{90}\mathrm{Sr}$
107	10XS	200	3	25  ms	4x4	10000	$^{14}\mathrm{C}$
108	10XS	200	3	25  ms	4x4	10000	$^{137}\mathrm{Cs}$
109	10XS	200	3	25  ms	4x4	10000	$^{90}\mathrm{Sr}$

Table 21. 8/9/16: Dark runs to understand background

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
110	10XS	200	3	$25~\mathrm{ms}$	4x4	10000	dark, no CsI
111	10XS	200	3	$25~\mathrm{ms}$	4x4	10000	dark, CsI
112	10XS	200	3	$25~\mathrm{ms}$	4x4	10000	dark, CsI, 250 $\mu m$ mask

Table 22. 8/9/16: Masked runs for position resolution; used half of the 1 mm mask for both of these.

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
_	10XS 10XS	200 200	3 3	25 ms 25 ms		14997 15000	<sup>14</sup> C <sup>90</sup> Sr

Table 23. 6/13/17: Testing consistency of runs with no apparent changes in test environment

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
115	10XS	200	3	$25~\mathrm{ms}$	4x4	5,000	dark, no CsI
116	10XS	200	3	25  ms	4x4	4,999	$^{14}\mathrm{C}$
117	10XS	200	3	25  ms	4x4	5,000	$^{14}\mathrm{C}$
118	10XS	200	3	25  ms	4x4	5,000	$^{14}\mathrm{C}$
119	10XS	200	3	25  ms	4x4	5,000	$^{14}\mathrm{C}$
120	10XS	200	3	$25~\mathrm{ms}$	4x4	5,000	$^{14}\mathrm{C}$

Table 24. 6/13/17: For use in comparing runs with 10XS vs 20XS objectives (compare to runs in Table 23)

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
121	20XS	200	3	$25~\mathrm{ms}$	4x4	5,000	dark, no CsI
122	20XS	200	3	25  ms	4x4	5,000	$^{14}\mathrm{C}$
123	20XS	200	3	25  ms	4x4	5,000	$^{14}\mathrm{C}$
124	20XS	200	3	25  ms	4x4	5,000	$^{14}\mathrm{C}$
125	20XS	200	3	25  ms	4x4	4,999	$^{14}\mathrm{C}$
126	20XS	200	3	25  ms	4x4	5,000	$^{14}\mathrm{C}$

Table 25. 6/16/17: For use in comparing runs with 10XS vs 20XS objectives (compare to runs in Table 23)

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
127	20XS	200	3	25  ms	4x4	10,000	dark, no CsI
128	20XS	200	3	25  ms	4x4	10,000	$^{14}\mathrm{C}$
129	20XS	200	3	25  ms	4x4	10,000	$^{14}\mathrm{C}$
130	20XS	200	3	$25~\mathrm{ms}$	4x4	10,000	$^{14}\mathrm{C}$
131	20XS	200	3	$25~\mathrm{ms}$	4x4	15,000	$^{14}\mathrm{C}$
132	20XS	200	3	25  ms	4x4	15,000	$^{14}\mathrm{C}$
133	20XS	200	3	$25~\mathrm{ms}$	4x4	14,997	$^{14}\mathrm{C}$

Table 26. 6/20/17: For use in comparing runs with different binning options

- - - With no binning options, ImageJ would not process the images properly

		0 1	. /	U			0 1 1
#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source
134	20XS	200	3	$25~\mathrm{ms}$	none	3,936	dark, no CsI
135	20XS	200	3	25  ms	none	4,000	$^{14}\mathrm{C}$
136	20XS	200	3	$25~\mathrm{ms}$	none	3,999	$^{14}\mathrm{C}$
137	20XS	200	3	$25~\mathrm{ms}$	none	4,000	$^{14}\mathrm{C}$
138	20XS	200	3	$25~\mathrm{ms}$	2x2	4,000	dark, no CsI
139	20XS	200	3	$25~\mathrm{ms}$	2x2	4,000	$^{14}\mathrm{C}$
140	20XS	200	3	$25~\mathrm{ms}$	2x2	4,000	$^{14}\mathrm{C}$
141	20XS	200	3	$25~\mathrm{ms}$	2x2	4,000	$^{14}\mathrm{C}$
142	20XS	200	3	$25~\mathrm{ms}$	4x4	4,000	dark, no CsI
143	20XS	200	3	$25~\mathrm{ms}$	4x4	4,000	$^{14}\mathrm{C}$
144	20XS	200	3	25  ms	4x4	4,000	$^{14}\mathrm{C}$
145	20XS	200	3	$25~\mathrm{ms}$	4x4	4,000	$^{14}\mathrm{C}$
146	20XS	200	3	25  ms	8x8	4,000	dark, no CsI
147	20XS	200	3	$25~\mathrm{ms}$	8x8	4,000	$^{14}\mathrm{C}$
148	20XS	200	3	25  ms	8x8	4,000	$^{14}\mathrm{C}$
149	20XS	200	3	$25~\mathrm{ms}$	8x8	4,000	$^{14}\mathrm{C}$

Table 27. 6/23/17: For use in comparing runs with different CsI thicknesses

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source	CsI
150	20XS	200	3	$25~\mathrm{ms}$	4x4	10,000	dark	none
151 152	20XS 20XS	200 200	3 3	25 ms 25 ms	4x4 $4x4$	10,000 10,000	<sup>14</sup> C <sup>14</sup> C	45 um 45 um
153	20XS	200	3	25 ms	4x4	10,000	$^{14}\mathrm{C}$	45 um
154 155	20XS 20XS	200 200	3 3	25 ms 25 ms	4x4 $4x4$	9,989 9,988	$^{14}{ m C}$ $^{14}{ m C}$	135 um 135 um
156	20XS	200	3	25  ms	4x4	9,997	$^{14}\mathrm{C}$	135 um
157 158 159	20XS 20XS 20XS	200 200 200	3 3 3	25 ms 25 ms 25 ms	4x4 4x4 4x4	9,998 10,000 9,999	<sup>14</sup> C <sup>14</sup> C <sup>14</sup> C	150 um 150 um 150 um

Table 28. 6/29/17: For use in verifying that CsI thicknesses are labeled correctly

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source	CsI
160	20XS	200	3	$25~\mathrm{ms}$	4x4	9,998	dark	none
161	20XS	200	3	25  ms	4x4	10,000	$^{137}\mathrm{Cs}$	$45~\mathrm{um}$
162	20XS	200	3	25  ms	4x4	10,000	$^{137}\mathrm{Cs}$	$135~\mathrm{um}$
163	20XS	200	3	$25~\mathrm{ms}$	4x4	10,000	$^{137}\mathrm{Cs}$	150  um

Table 29. 6/29/17: For use in determining Calibration Constants

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source	CsI
164	20XS	200	3	25  ms	4x4	10,000	$^{137}\mathrm{Cs}$	150 um
165	20XS	200	3	$25~\mathrm{ms}$	4x4	5,000	$^{137}\mathrm{Cs}$	150  um
166	20XS	200	3	$25~\mathrm{ms}$	4x4	5,000	$^{137}\mathrm{Cs}$	150  um
167	20XS	200	3	25  ms	4x4	9,999	$^{90}\mathrm{Sr}$	150  um
168	20 XS	200	3	25  ms	4x4	10,000	$^{90}\mathrm{Sr}$	150  um
169	20 XS	200	3	$25~\mathrm{ms}$	4x4	5,000	$^{90}\mathrm{Sr}$	150  um
170	20 XS	200	3	$25~\mathrm{ms}$	4x4	5,000	$^{90}\mathrm{Sr}$	150  um

Table 30. 7/05/17: For use in determining Calibration Constants

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source	CsI
172	20XS 20XS 20XS	200 200 200	3 3 3	25 ms 25 ms 25 ms	4x4 4x4 4x4	10,000 49,877 49,987		none 150 um 150 um

Table 31. 7/11/17: For use in determining Calibration Constants

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source	CsI
174 175	20XS 20XS	200 200	3	25 ms 25 ms	4x4 4x4	10,000 49,983	dark <sup>90</sup> Sr <sup>90</sup> Sr	none 150 um
176 177 178	20XS 20XS 20 XS	200 200 200	3 3 3	25 ms 25 ms 25 ms	4x4 4x4 4x4	49,409 49,361 49,921	90Sr 90Sr	150 um 150 um 150 um

Table 32. 7/20/17: For use in verifying Calibration Constants

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source	CsI
179	20XS	200	3	$25~\mathrm{ms}$	4x4	9,989	dark	none
180	10XS	200	3	$25~\mathrm{ms}$	4x4	10,000	$^{241}\mathrm{Am}$	150  um
181	10XS	200	3	25  ms	4x4	10,000	$^{241}\mathrm{Am}$	150  um
182	10XS	200	3	$25~\mathrm{ms}$	4x4	10,000	$^{241}\mathrm{Am}$	150 um

Table 33. 7/20/17: For use in determining Spacial Resolution

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source	CsI
183	10XS	200	3	25 ms	4x4	5,000	$\begin{array}{c} \text{Light} + {}^{137}\text{Cs} - \text{L Column} \\ {}^{137}\text{Cs} - \text{L Column} \\ {}^{137}\text{Cs} - \text{L Column} \end{array}$	150 um
184	10XS	200	3	25 ms	4x4	25,000		150 um
185	10XS	200	3	25 ms	4x4	24,996		150 um
186	10XS	200	3	25 ms	4x4	5,000	$^{137}$ Cs - S Column	150 um
187	10XS	200	3	25 ms	4x4	24,998	$^{137}$ Cs - S Column	150 um
188	10XS	200	3	25 ms	4x4	24,998	$^{137}$ Cs - S Column	150 um

Table 34. 7/24/17: For use in determining Spacial Resolution

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source	CsI
189 190	10XS 10XS	200 200	3 3	25 ms 25 ms	4x4 $4x4$	19,000 4,999	dark Light - L Column	none 150 um
191	10XS	200	3	$25~\mathrm{ms}$	4x4	49,859	$^{14}\mathrm{C}$ - L Column	$150~\mathrm{um}$
192	10XS	200	3	25  ms	4x4	49,855	<sup>14</sup> C - L Column	150 um
193	10XS	200	3	$25~\mathrm{ms}$	4x4	5,000	light - S Column	150 um
194	10XS	200	3	$25~\mathrm{ms}$	4x4	$48,\!432$	<sup>14</sup> C - S Column	150  um
195	10XS	200	3	25  ms	4x4	$48,\!253$	<sup>14</sup> C - S Column	150  um

Table 35. Table Template

#	Obj.	EM Gain	PreAmp	Exp.	Binning	# Images	Source	CsI
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