

Fiber QA Data Compilation

New QA Fiber ID	SiPM	Channel	Bending Fiber ID	Fiber Class	Average	StDev	Bending ID			Fiber QA ID		
							View from LG to SciFi			View from LG to SciFi		
1:1	0001	1	20/15	B	929	85	20/1	20/6	20/11	1:15	1:10	1:5
1:2	0001	2	20/14	B	445	35	20/2	20/7	20/12	1:14	1:9	1:4
1:3	0001	3	20/13	B	756	63	20/3	20/8	20/13	1:13	1:8	1:3
1:4	0001	4	20/12	B	311	23	20/4	20/9	20/14	1:12	1:7	1:2
1:5	0001	5	20/11	B	783	64	20/5	20/10	20/15	1:11	1:6	1:1
1:6	0001	6	20/10	B	624	67						
1:7	0001	7	20/9	B	722	77						
1:8	0001	8	20/8	B	762	88	View from LG to SciFi			View from LG to SciFi		
1:9	0001	9	20/7	B	804	87	20/A	20/F	20/K	2:15	2:10	2:5
1:10	0001	10	20/6	B	644	79	20/B	20/G	19/1	2:14	2:9	2:4
1:11	0001	11	20/5	B	716	56	20/C	20/H	20/M	2:13	2:8	2:3
1:12	0001	12	20/4	B	871	52	20/D	20/I	20/N	2:12	2:7	2:2
1:13	0001	13	20/3	B	844	49	20/E	20/J	20/O	2:11	2:6	2:1
1:14	0001	14	20/2	B	787	49						
1:15	0001	15	20/1	B	570	79						
2:1	0002	1	20/O	B	804	62						
2:2	0002	2	20/N	B	838	67						
2:3	0002	3	20/M	B	745	52						
2:4	0002	4	19/1	B	219	15						
2:5	0002	5	20/K	B	583	40						
2:6	0002	6	20/J	B	911	79						
2:7	0002	7	20/I	B	1090	93						
2:8	0002	8	20/H	B	453	26						
2:9	0002	9	20/G	B	713	42						
2:10	0002	10	20/F	B	550	13						
2:11	0002	11	20/E	B	513	16						
2:12	0002	12	20/D	B	606	87						
2:13	0002	13	20/C	B	690	160						

2:14	0002	14	20/B	B	566	97											
2:15	0002	15	20/A	B	776	64											
3:1	0001	1	21 / 1	B	687	63		View from LG to SciFi				View from LG to SciFi					
3:2	0001	2	21 / 2	B	678	61		21 / 15	21 / 10	21 / 5		3:15	3:10	3:5			
3:3	0001	3	21 / 3	B	777	69		21 / 14	21 / 9	21 / 4		3:14	3:9	3:4			
3:4	0001	4	21 / 4	B	645	62		21 / 13	21 / 8	21 / 3		3:13	3:8	3:3			
3:5	0001	5	21 / 5	B	482	39		21 / 12	21 / 7	21 / 2		3:12	3:7	3:2			
3:6	0001	6	21 / 6	B	632	71		21 / 11	21 / 6	21 / 1		3:11	3:6	3:1			
3:7	0001	7	21 / 7	B	591	65											
3:8	0001	8	21 / 8	B	553	62											
3:9	0001	9	21 / 9	B	764	84		View from LG to SciFi				View from LG to SciFi					
3:10	0001	10	21 / 10	B	446	50		21 / 0	21 / J	21 / E		4:15	4:10	4:5			
3:11	0001	11	21 / 11	B	404	19		21 / N	21 / I	21 / D		4:14	4:9	4:4			
3:12	0001	12	21 / 12	B	683	32		21 / M	21 / H	21 / C		4:13	4:8	4:3			
3:13	0001	13	21 / 13	B	771	37		21 / L	21 / G	21 / B		4:12	4:7	4:2			
3:14	0001	14	21 / 14	B	542	28		21 / K	21 / F	21 / A		4:11	4:6	4:1			
3:15	0001	15	21 / 15	B	538	23											
4:1	0002	1	21 / A	B	454	30											
4:2	0002	2	21 / B	B	504	36											
4:3	0002	3	21 / C	B	586	45											
4:4	0002	4	21 / D	B	458	31											
4:5	0002	5	21 / E	B	402	31											
4:6	0002	6	21 / F	B	519	21											
4:7	0002	7	21 / G	B	695	9											
4:8	0002	8	21 / H	B	563	28											
4:9	0002	9	21 / I	B	611	28											
4:10	0002	10	21 / J	B	464	18											
4:11	0002	11	21 / K	B	238	8											
4:12	0002	12	21 / L	B	292	9											
4:13	0002	13	21 / M	B	311	15											
4:14	0002	14	21 / N	B	344	43											
4:15	0002	15	21 / O	B	342	5											

5:1	0001	1	18/1	B	764	61		View from LG to SciFi				View from LG to SciFi		
5:2	0001	2	19/2	B	701	60		19/15	19/10	19/5		5:15	5:10	5:5
5:3	0001	3	19/3	B	663	56		19/14	19/9	19/4		5:14	5:9	5:4
5:4	0001	4	19/4	B	585	47		19/13	19/8	19/3		5:13	5:8	5:3
5:5	0001	5	19/5	B	457	36		19/12	19/7	19/2		5:12	5:7	5:2
5:6	0001	6	19/6	B	569	15		19/11	19/6	18/1		5:11	5:6	5:1
5:7	0001	7	19/7	B	645	17								
5:8	0001	8	19/8	B	581	13								
5:9	0001	9	19/9	B	608	14		View from LG to SciFi				View from LG to SciFi		
5:10	0001	10	19/10	B	537	125		19/O	19/J	19/E		6:15	6:10	6:5
5:11	0001	11	19/11	B	589	14		19/N	19/I	19/D		6:14	6:9	6:4
5:12	0001	12	19/12	B	603	14		19/M	19/H	19/C		6:13	6:8	6:3
5:13	0001	13	19/13	B	542	12		19/L	19/G	19/B		6:12	6:7	6:2
5:14	0001	14	19/14	B	451	32		19/K	19/F	19/A		6:11	6:6	6:1
5:15	0001	15	19/15	B	933	19								
6:1	0002	1	19/A	B	470	26								
6:2	0002	2	19/B	B	403	23								
6:3	0002	3	19/C	B	483	28								
6:4	0002	4	19/D	B	362	19								
6:5	0002	5	19/E	B	404	24								
6:6	0002	6	19/F	B	866	19								
6:7	0002	7	19/G	B	365	59								
6:8	0002	8	19/H	B	632	13								
6:9	0002	9	19/I	B	429	8								
6:10	0002	10	19/J	B	815	14								
6:11	0002	11	19/K	B	218	5								
6:12	0002	12	19/L	B	246	5								
6:13	0002	13	19/M	B	258	5								
6:14	0002	14	19/N	B	207	4								
6:15	0002	15	19/O	B	257	5								
7:1	0001	1	17/1	B	1135	83		View from LG to SciFi				View from LG to SciFi		
7:2	0001	2	18/2	B	1012	128		18/15	18/10	18/5		7:15	7:10	7:5

7:3	0001	3	18/3	B	973	124		18/14	18/9	18/4		7:14	7:9	7:4
7:4	0001	4	18/4	B	1040	128		18/13	18/8	18/3		7:13	7:8	7:3
7:5	0001	5	18/5	B	842	104		18/12	18/7	18/2		7:12	7:7	7:2
7:6	0001	6	18/6	B	1111	136		18/11	18/6	17/1		7:11	7:6	7:1
7:7	0001	7	18/7	B	1052	135								
7:8	0001	8	18/8	B	998	131								
7:9	0001	9	18/9	B	809	104		View from LG to SciFi				View from LG to SciFi		
7:10	0001	10	18/10	B	877	103		18/O	18/J	18/E		8:15	8:10	8:5
7:11	0001	11	18/11	B	922	30		18/N	18/I	18/D		8:14	8:9	8:4
7:12	0001	12	18/12	B	836	40		18/M	18/H	18/C		8:13	8:8	8:3
7:13	0001	13	18/13	B	821	31		18/L	18/G	18/B		8:12	8:7	8:2
7:14	0001	14	18/14	B	826	30		18/K	18/F	18/A		8:11	8:6	8:1
7:15	0001	15	18/15	B	982	39								
8:1	0002	1	18/A	B	990	37								
8:2	0002	2	18/B	B	734	26								
8:3	0002	3	18/C	B	604	47								
8:4	0002	4	18/D	B	581	19								
8:5	0002	5	18/E	B	472	17								
8:6	0002	6	18/F	B	699	33								
8:7	0002	7	18/G	B	636	186								
8:8	0002	8	18/H	B	772	33								
8:9	0002	9	18/I	B	598	25								
8:10	0002	10	18/J	B	611	23								
8:11	0002	11	18/K	B	1059	51								
8:12	0002	12	18/L	B	611	28								
8:13	0002	13	18/M	B	826	29								
8:14	0002	14	18/N	B	982	38								
8:15	0002	15	18/O	B	820	32								
9:1	0001	1	16/1	B	112	12		View from LG to SciFi				View from LG to SciFi		
9:2	0001	2	17/2	B	983	95		17/15	17/10	17/5		9:15	9:10	9:5
9:3	0001	3	17/3	B	1030	96		17/14	17/9	17/4		9:14	9:9	9:4
9:4	0001	4	17/4	B	997	96		17/13	16/8	17/3		9:13	9:8	9:3

9:5	0001	5	17/5	B	876	85		17/12	17/7	17/2		9:12	9:7	9:2
9:6	0001	6	17/6	B	945	120		17/11	17/6	16/1		9:11	9:6	9:1
9:7	0001	7	17/7	B	934	117								
9:8	0001	8	16/8	B	730	93								
9:9	0001	9	17/9	B	1024	123		View from LG to SciFi				View from LG to SciFi		
9:10	0001	10	17/10	B	767	102		17/O	17/J	17/E		10:15	10:10	10:5
9:11	0001	11	17/11	B	1024	4		17/N	17/I	17/D		10:14	10:9	10:4
9:12	0001	12	17/12	B	713	3		17/M	17/H	17/C		10:13	10:8	10:3
9:13	0001	13	17/13	B	1008	4		17/L	17/G	17/B		10:12	10:7	10:2
9:14	0001	14	17/14	B	620	3		17/K	17/F	17/A		10:11	10:6	10:1
9:15	0001	15	17/15	B	930	4								
10:1	0002	1	17/A	B	992	80								
10:2	0002	2	17/B	B	876	74								
10:3	0002	3	17/C	B	916	75								
10:4	0002	4	17/D	B	829	67								
10:5	0002	5	17/E	B	832	70								
10:6	0002	6	17/F	B	895	3								
10:7	0002	7	17/G	B	1143	88								
10:8	0002	8	17/H	B	993	3								
10:9	0002	9	17/I	B	859	4								
10:10	0002	10	17/J	B	945	4								
10:11	0002	11	17/K	B	958	3								
10:12	0002	12	17/L	B	855	3								
10:13	0002	13	17/M	B	934	4								
10:14	0002	14	17/N	B	989	5								
10:15	0002	15	17/O	B	671	2								
11:1	0001	1	15/1	B	1084	89		View from LG to SciFi				View from LG to SciFi		
11:2	0001	2	16/2	B	110	8		16/15	16/10	16/5		11:15	11:10	11:5
11:3	0001	3	16/3	B	158	12		16/14	16/9	16/4		11:14	11:9	11:4
11:4	0001	4	16/4	B	84	6		16/13	15/8	16/3		11:13	11:8	11:3
11:5	0001	5	16/5	B	290	24		16/12	16/7	16/2		11:12	11:7	11:2
11:6	0001	6	16/6	B	740	83		16/11	16/6	15/1		11:11	11:6	11:1

13:9	0001	9	15/9	B	849	112		View from LG to SciFi				View from LG to SciFi		
13:10	0001	10	15/10	B	741	103		15/O	15/J	15/E		14:15	14:10	14:5
13:11	0001	11	15/11	B	602	2		15/N	15/I	15/D		14:14	14:9	14:4
13:12	0001	12	15/12	B	839	3		15/M	15/H	15/C		14:13	14:8	14:3
13:13	0001	13	15/13	B	848	8		15/L	15/G	15/B		14:12	14:7	14:2
13:14	0001	14	15/14	B	705	2		15/K	15/F	15/A		14:11	14:6	14:1
13:15	0001	15	15/15	B	814	3								
14:1	0002	1	15/A	B	878	78								
14:2	0002	2	15/B	B	698	65								
14:3	0002	3	15/C	B	773	71								
14:4	0002	4	15/D	B	569	50								
14:5	0002	5	15/E	B	609	56								
14:6	0002	6	15/F	B	866	4								
14:7	0002	7	15/G	B	1094	79								
14:8	0002	8	15/H	B	782	4								
14:9	0002	9	15/I	B	823	4								
14:10	0002	10	15/J	B	858	5								
14:11	0002	11	15/K	B	658	4								
14:12	0002	12	15/L	B	663	3								
14:13	0002	13	15/M	B	833	4								
14:14	0002	14	15/N	B	1018	5								
14:15	0002	15	15/O	B	735	4								
15:1	0001	1	13/1	B	388	45		View from LG to SciFi				View from LG to SciFi		
15:2	0001	2	14/2	B	528	65		14/15	14/10	14/5		15:15	15:10	15:5
15:3	0001	3	14/3	B	807	103		14/14	14/9	14/4		15:14	15:9	15:4
15:4	0001	4	14/4	B	585	72		14/13	13/8	14/3		15:13	15:8	15:3
15:5	0001	5	14/5	B	459	55		14/12	14/7	14/2		15:12	15:7	15:2
15:6	0001	6	14/6	B	675	64		14/11	14/6	13/1		15:11	15:6	15:1
15:7	0001	7	14/7	B	634	60								
15:8	0001	8	13/8	B	344	30								
15:9	0001	9	14/9	B	747	72		View from LG to SciFi				View from LG to SciFi		
15:10	0001	10	14/10	B	180	15		14/O	14/J	14/E		16:15	16:10	16:5

15:11	0001	11	14/11	B	528	45		14/N	14/I	14/D		16:14	16:9	16:4
15:12	0001	12	14/12	B	219	18		14/M	14/H	14/C		16:13	16:8	16:3
15:13	0001	13	14/13	B	526	45		14/L	14/G	14/B		16:12	16:7	16:2
15:14	0001	14	14/14	B	618	52		14/K	14/F	14/A		16:11	16:6	16:1
15:15	0001	15	14/15	B	218	16								
16:1	0002	1	14/A	B	858	81								
16:2	0002	2	14/B	B	412	38								
16:3	0002	3	14/C	B	314	26								
16:4	0002	4	14/D	B	315	26								
16:5	0002	5	14/E	B	421	37								
16:6	0002	6	14/F	B	481	39								
16:7	0002	7	14/G	B	947	184								
16:8	0002	8	14/H	B	559	47								
16:9	0002	9	14/I	B	488	40								
16:10	0002	10	14/J	B	415	32								
16:11	0002	11	14/K	B	304	18								
16:12	0002	12	14/L	B	410	23								
16:13	0002	13	14/M	B	277	16								
16:14	0002	14	14/N	B	492	27								
16:15	0002	15	14/O	B	434	26								
17:1	0001	1	12/1	B	450	2		View from LG to SciFi				View from LG to SciFi		
17:2	0001	2	13/2	B	343	2		13/15	13/10	13/5		17:15	17:10	17:5
17:3	0001	3	13/3	B	361	2		13/14	13/9	13/4		17:14	17:9	17:4
17:4	0001	4	13/4	B	352	2		13/13	12/8	13/3		17:13	17:8	17:3
17:5	0001	5	13/5	B	369	2		13/12	13/7	13/2		17:12	17:7	17:2
17:6	0001	6	13/6	B	437	46		13/11	13/6	12/1		17:11	17:6	17:1
17:7	0001	7	13/7	B	412	43								
17:8	0001	8	12/8	B	537	59								
17:9	0001	9	13/9	B	507	54		View from LG to SciFi				View from LG to SciFi		
17:10	0001	10	13/10	B	378	41		13/O	13/J	13/E		18:15	18:10	18:5
17:11	0001	11	13/11	B	356	3		13/N	13/I	13/D		18:14	18:9	18:4
17:12	0001	12	13/12	B	568	3		13/M	13/H	13/C		18:13	18:8	18:3

17:13	0001	13	13/13	B	403	2		13/L	13/G	13/B		18:12	18:7	18:2
17:14	0001	14	13/14	B	447	3		13/K	13/F	13/A		18:11	18:6	18:1
17:15	0001	15	13/15	B	403	2								
18:1	0002	1	13/A	B	233	16								
18:2	0002	2	13/B	B	180	11								
18:3	0002	3	13/C	B	229	15								
18:4	0002	4	13/D	B	403	28								
18:5	0002	5	13/E	B	399	30								
18:6	0002	6	13/F	B	214	1								
18:7	0002	7	13/G	B	371	87								
18:8	0002	8	13/H	B	197	1								
18:9	0002	9	13/I	B	568	3								
18:10	0002	10	13/J	B	384	1								
18:11	0002	11	13/K	B	287	2								
18:12	0002	12	13/L	B	239	1								
18:13	0002	13	13/M	B	361	2								
18:14	0002	14	13/N	B	365	2								
18:15	0002	15	13/O	B	177	1								
19:1	0001	1	11/1	B	485	46		View from LG to SciFi				View from LG to SciFi		
19:2	0001	2	12/2	B	524	53		12/15	12/10	12/5		19:15	19:10	19:5
19:3	0001	3	12/3	B	560	55		12/14	12/9	12/4		19:14	19:9	19:4
19:4	0001	4	12/4	B	609	59		12/13	11/8	12/3		19:13	19:8	19:3
19:5	0001	5	12/5	B	440	41		12/12	12/7	12/2		19:12	19:7	19:2
19:6	0001	6	12/6	B	670	93		12/11	12/6	11/1		19:11	19:6	19:1
19:7	0001	7	12/7	B	508	68								
19:8	0001	8	11/8	B	535	72								
19:9	0001	9	12/9	B	449	57		View from LG to SciFi				View from LG to SciFi		
19:10	0001	10	12/10	B	332	43		12/O	12/J	12/E		20:15	20:10	20:5
19:11	0001	11	12/11	B	334	31		12/N	12/I	12/D		20:14	20:9	20:4
19:12	0001	12	12/12	B	605	57		12/M	12/H	12/C		20:13	20:8	20:3
19:13	0001	13	12/13	B	566	53		12/L	12/G	12/B		20:12	20:7	20:2
19:14	0001	14	12/14	B	410	38		12/K	12/F	12/A		20:11	20:6	20:1

37:1	0001	1	2/10	B	446	6		View from LG to SciFi			View from LG to SciFi		
37:2	0001	2	3/2	P	110	2		3/15	3/10	3/5	37:15	37:10	37:5
37:3	0001	3	3/3	P	179	2		2/C	3/9	3/4	37:14	37:9	37:4
37:4	0001	4	3/4	P	186	2		2/K	2/H	3/3	37:13	37:8	37:3
37:5	0001	5	3/5	P	98	1		3/12	3/7	3/2	37:12	37:7	37:2
37:6	0001	6	3/6	P	360	41		2/11	3/6	2/10	37:11	37:6	37:1
37:7	0001	7	3/7	P	300	32							
37:8	0001	8	2/H	B	457	53							
37:9	0001	9	3/9	P	323	34		View from LG to SciFi			View from LG to SciFi		
37:10	0001	10	3/10	P	295	33		3/O	2/J	2/9	38:15	38:10	38:5
37:11	0001	11	2/11	B	111	5		3/N	3/I	3/D	38:14	38:9	38:4
37:12	0001	12	3/12	P	313	16		3/M	3/H	3/C	38:13	38:8	38:3
37:13	0001	13	2/K	B	371	20		3/L	3/G	3/B	38:12	38:7	38:2
37:14	0001	14	2/C	B	32	1		3/K	3/F	2/A	38:11	38:6	38:1
37:15	0001	15	3/15	P	270	13							
38:1	0002	1	2/A	P	125	8							
38:2	0002	2	3/B	P	114	8							
38:3	0002	3	3/C	P	206	15							
38:4	0002	4	3/D	P	25	2							
38:5	0002	5	2/9	B	200	15							
38:6	0002	6	3/F	P	215	3							
38:7	0002	7	3/G	P	292	26							
38:8	0002	8	3/H	P	340	4							
38:9	0002	9	3/I	P	181	2							
38:10	0002	10	2/J	P	331	4							
38:11	0002	11	3/K	P	167	3							
38:12	0002	12	3/L	P	219	4							
38:13	0002	13	3/M	P	191	4							
38:14	0002	14	3/N	P	379	7							
38:15	0002	15	3/O	P	110	2							
39:1	0001	1	1/Z	G	67	6.0		View from LG to SciFi			View from LG to SciFi		
39:2	0001	2	1//	G	67	6.2		1/T	1/Y	1/15	39:15	39:10	39:5

39:3	0001	3	1/+	G	173	17.9		1/S	1/X	1/14		39:14	39:9	39:4
39:4	0001	4	1/14	G	110	10.5		1/R	1/W	1/+		39:13	39:8	39:3
39:5	0001	5	1/15	G	129	12.7		1/Q	1/V	1//		39:12	39:7	39:2
39:6	0001	6	1/U	G	239	28.3		1/P	1/U	1/Z		39:11	39:6	39:1
39:7	0001	7	1/V	G	267	32.2								
39:8	0001	8	1/W	G	25	2.6								
39:9	0001	9	1/X	G	61	6.3		View from LG to SciFi				View from LG to SciFi		
39:10	0001	10	1/Y	G	33	3.5		1/E	1/J	1/O		40:15	40:10	40:5
39:11	0001	11	1/P	G	24	0.2		1/D	1/I	1/N		40:14	40:9	40:4
39:12	0001	12	1/Q	G	79	0.4		1/C	1/H	1/M		40:13	40:8	40:3
39:13	0001	13	1/R	G	14	0.1		1/B	1/G	1/L		40:12	40:7	40:2
39:14	0001	14	1/S	G	75	0.5		1/A	1/F	1/K		40:11	40:6	40:1
39:15	0001	15	1/T	G	82	0.6								
40:1	0002	1	1/K	G	31	2.0								
40:2	0002	2	1/L	G	9	0.6								
40:3	0002	3	1/M	G	125	9.0								
40:4	0002	4	1/N	G	45	3.0								
40:5	0002	5	1/O	G	16	1.1								
40:6	0002	6	1/F	G	53	0.6								
40:7	0002	7	1/G	G	104	11.3								
40:8	0002	8	1/H	G	60	0.5								
40:9	0002	9	1/I	G	19	0.1								
40:10	0002	10	1/J	G	4	0.1								
40:11	0002	11	1/A	G	29	0.3								
40:12	0002	12	1/B	G	93	0.9								
40:13	0002	13	1/C	G	54	0.5								
40:14	0002	14	1/D	G	107	0.9								
40:15	0002	15	1/E	G	37	0.4								
	0001	1	2/1	P'	229	3.3		View from LG to SciFi						
	0001	2	2/2	P	282	3.3		2/I	2/N	2/5				
	0001	3	2/3	P	74	1.1		2/15	2/B	2/4				
	0001	4	2/4	P	155	1.9		2/14	2/8	2/3				

	0001	5	2/5	P	295	3.7		2/13	2/7	2/2				
	0001	6	2/6	P	323	3.1		2/12	2/6	2/1				
	0001	7	2/7	P	363	2.6								
	0001	8	2/8	P'	320	3.2		View from LG to SciFi						
	0001	9	2/B	P	143	1.2		-	-	2/L				
	0001	10	2/N	P	146	1.2		-	-	2/G				
	0001	11	2/12	P	255	2.4		-	-	2/F				
	0001	12	2/13	P'	217	2.2		-	2/O	2/E				
	0001	13	2/14	P'	230	2.2		-	2/M	2/D				
	0001	14	2/15	P'	273	2.6								
	0001	15	2/I	P	350	2.7								
	0002	1	2/D	P	125	7.8								
	0002	2	2/E	P'	82	5.1								
	0002	3	2/F	P'	20	1.1								
	0002	4	2/G	P'	273	19.3								
	0002	5	2/L	P	287	21.6								
	0002	6	2/M	P'	371	3.0								
	0002	7	2/O	P'	163	13.7								
	0002	8	-		#DIV/0!	#DIV/0!								
	0002	9	-		#DIV/0!	#DIV/0!								
	0002	10	-		#DIV/0!	#DIV/0!								
	0002	11	-		#DIV/0!	#DIV/0!								
	0002	12	-		#DIV/0!	#DIV/0!								
	0002	13	-		#DIV/0!	#DIV/0!								
	0002	14	-		#DIV/0!	#DIV/0!								
	0002	15	-		#DIV/0!	#DIV/0!								

Fiber Bending															
Bending ID	Fusing ID	Fuse Width A (mm)	Fuse Width B (mm)	Average Fuse Width (mm)	Fiber Length +/- .25' (cm)		Fusing ID	Bending ID		Position of fiber in bundle as seen from the scifi head on					
3/1	C1	2.03962	2.01676	2.02819	166.53		C1	3/1		CJ	CK	CL	C3	CN	CO
3/6	C2	2.01168	2.03454	2.02311	166.53		C7	3/2		CD	CE	CF	CG	CH	CI
3/E	C3	2.05486	2.03454	2.04470	166.53		C13	3/3		C13	C14	C15	CA	CB	CC
3/A	C4	2.02692	2.05994	2.04343	166.53		CD	3/4		C7	C8	C9	C10	C11	C12
3/F	C5	2.00914	2.04978	2.02946	166.53		CJ	3/5		C1	C2	CM	C4	C5	C6
3/K	C6	2.02184	2.05486	2.03835	166.53		C2	3/6		Vertical orientation					
3/2	C7	2.02184	2.04470	2.03327	166.53		C8	3/7		a	a	a	a	b	b
3/7	C8	2.03200	2.00914	2.02057	166.53		C14	3/8		a	b	b	a	a	a
3/12	C9	2.05740	2.03200	2.04470	166.53		CE	3/9		a	a	b	b	b	a
3/B	C10	2.01422	1.99390	2.00406	166.53		CK	3/10		b	a	a	a	b	b
3/G	C11	2.01422	2.03454	2.02438	166.53		CM	3/11		a	b	a	b	b	b
3/L	C12	2.01930	2.04216	2.03073	166.53		C9	3/12							
3/3	C13	2.05994	2.01930	2.03962	166.53		C15	3/13							
3/8	C14	2.03962	2.00914	2.02438	166.53		CF	3/14							
3/13	C15	1.99644	2.02438	2.01041	166.53		CL	3/15							
3/C	CA	2.01422	2.05232	2.03327	166.53		C4	3/A							
3/H	CB	2.02692	2.05232	2.03962	166.53		C10	3/B							
3/M	CC	2.03708	2.01930	2.02819	166.53		CA	3/C							
3/4	CD	2.03962	2.02184	2.03073	166.53		CG	3/D							
3/9	CE	2.01930	2.04470	2.03200	166.53		C3	3/E							
3/14	CF	2.03200	2.04724	2.03962	166.53		C5	3/F							
3/D	CG	2.02184	1.99644	2.00914	166.53		C11	3/G							
3/I	CH	2.00660	2.00406	2.00533	166.53		CB	3/H							
3/N	CI	2.04724	2.02438	2.03581	166.53		CH	3/I							
3/5	CJ	2.03454	2.00152	2.01803	166.53		CN	3/J							
3/10	CK	2.04724	2.02438	2.03581	166.53		C6	3/K							
3/15	CL	2.05232	2.02438	2.03835	166.53		C12	3/L							
3/11	CM	2.02184	1.99644	2.00914	166.53		CC	3/M							
3/J	CN	2.00406	2.01930	2.01168	166.53		CI	3/N							
3/O	CO	2.00914	2.02692	2.01803	166.53		CO	3/O							
4/1	D1	2.03962	1.98882	2.01422	166.21		D1	4/1		Position of fiber in bundle as seen from the scifi head on					
4/6	D2	1.98882	2.02946	2.00914	166.21		D7	4/2		DJ	DK	DL	DM	DN	DO

4/11	D3	2.01930	2.00406	2.01168	166.21		D13	4/3		DD	DE	DF	DG	DH	DI
4/A	D4	1.99390	2.02438	2.00914	166.21		DD	4/4		D13	D14	D15	DA	DB	DC
4/F	D5	1.99136	2.02184	2.00660	166.21		DJ	4/5		D7	D8	D9	D10	D11	D12
4/K	D6	1.98882	2.02946	2.00914	166.21		D2	4/6		D1	D2	D3	D4	D5	D6
4/2	D7	2.02946	2.04724	2.03835	166.21		D8	4/7		Vertical orientation					
4/7	D8	2.02692	1.99898	2.01295	166.21		D14	4/8		a	a	a	a	a	a
4/12	D9	1.98628	2.01930	2.00279	166.21		DE	4/9		a	a	a	a	a	a
4/B	D10	2.03962	2.00406	2.02184	166.21		DK	4/10		a	a	a	a	a	a
4/G	D11	1.99136	2.02692	2.00914	166.21		D3	4/11		a	a	a	a	a	a
4/L	D12	1.99390	2.02184	2.00787	166.21		D9	4/12		a	a	a	a	a	a
4/3	D13	2.04978	2.03962	2.04470	166.21		D15	4/13							
4/8	D14	2.06756	2.02692	2.04724	166.21		DF	4/14							
4/13	D15	2.01168	2.01930	2.01549	166.21		DL	4/15							
4/C	DA	2.02438	1.99644	2.01041	166.21		D4	4/A							
4/H	DB	2.00152	2.00914	2.00533	166.21		D10	4/B							
4/M	DC	2.02438	1.99136	2.00787	166.21		DA	4/C							
4/4	DD	2.02438	1.98882	2.00660	166.21		DG	4/D							
4/9	DE	1.98628	2.02692	2.00660	166.21		DM	4/E							
4/14	DF	2.03200	2.01930	2.02565	166.21		D5	4/F							
4/D	DG	2.02692	1.99390	2.01041	166.21		D11	4/G							
4/I	DH	2.02184	1.99136	2.00660	166.21		DB	4/H							
4/N	DI	1.99644	2.02184	2.00914	166.21		DH	4/I							
4/5	DJ	1.98628	2.02438	2.00533	166.21		DN	4/J							
4/10	DK	2.02438	1.99898	2.01168	166.21		D6	4/K							
4/15	DL	1.99136	2.01676	2.00406	166.21		D12	4/L							
4/E	DM	1.98882	2.03200	2.01041	166.21		DC	4/M							
4/J	DN	2.03454	2.04724	2.04089	166.21		DI	4/N							
4/O	DO	2.00152	2.02692	2.01422	166.21		DO	4/O							
5/1	E1	2.01676	2.00152	2.00914	166.69		E1	5/1		Position of fiber in bundle as seen scifi head on					
5/6	E2	2.02692	1.98882	2.00787	166.69		E7	5/2		EJ	EK	EL	EM	EN	EO
5/11	E3	2.01930	1.99644	2.00787	166.69		E13	5/3		ED	EE	EF	EG	EH	EI
5/A	E4	2.02184	1.99898	2.01041	166.69		ED	5/4		E13	E14	E15	EA	EB	EC
5/F	E5	2.02692	2.01168	2.01930	166.69		EJ	5/5		E7	E8	E9	E10	E11	E12
5/K	E6	2.01676	1.99898	2.00787	166.69		E2	5/6		E1	E2	E3	E4	E5	E6
5/2	E7	1.99898	2.01168	2.00533	166.69		E8	5/7		Vertical orientation					
5/7	E8	1.99390	2.02692	2.01041	166.69		E14	5/8		b	b	b	b	b	b

5/12	E9	2.03200	2.00660	2.01930	166.69		EE	5/9		b	b	b	b	b	b
5/B	E10	2.00660	2.02946	2.01803	166.69		EK	5/10		b	b	b	b	b	b
5/G	E11	2.01168	2.01422	2.01295	166.69		E3	5/11		b	b	b	b	b	b
5/L	E12	2.02946	2.01168	2.02057	166.69		E9	5/12		b	b	b	b	b	b
5/3	E13	2.02184	2.00152	2.01168	166.69		E15	5/13							
5/8	E14	2.10566	2.07518	2.09042	166.69		EF	5/14							
5/13	E15	1.99644	2.03454	2.01549	166.69		EL	5/15							
5/C	EA	2.02692	1.99644	2.01168	166.69		E4	5/A							
5/H	EB	2.03454	2.02692	2.03073	166.69		E10	5/B							
5/M	EC	1.98882	2.02184	2.00533	166.69		EA	5/C							
5/4	ED	2.03454	2.00914	2.02184	166.69		EG	5/D							
5/9	EE	2.02692	1.98628	2.00660	166.69		EM	5/E							
5/14	EF	2.03962	2.02184	2.03073	166.69		E5	5/F							
5/D	EG	2.02692	1.97866	2.00279	166.69		E11	5/G							
5/I	EH	1.99390	2.02438	2.00914	166.69		EB	5/H							
5/N	EI	2.01930	1.99644	2.00787	166.69		EH	5/I							
5/5	EJ	2.02184	1.99390	2.00787	166.69		EN	5/J							
5/10	EK	2.04216	2.04470	2.04343	166.69		E6	5/K							
5/15	EL	2.06756	2.02692	2.04724	166.69		E12	5/L							
5/E	EM	2.04470	2.01676	2.03073	166.69		EC	5/M							
5/J	EN	2.02946	2.00152	2.01549	166.69		EI	5/N							
5/O	EO	2.01930	1.98882	2.00406	166.69		EO	5/O							
6/F	F1	2.05994	2.03962	2.04978	166.53		F6	6/1		Position of fiber in bundle as seen from the scifi head on					
6/K	F2	2.02438	2.04724	2.03581	166.53		F11	6/2		FJ	FK	FL	FM	FN	FO
6/A	F3	2.02692	2.00152	2.01422	166.53		FC	6/3		FE	FD	FF	FG	FH	FI
6/6	F4	2.04470	2.02692	2.03581	166.53		FI	6/4		F13	F15	F14	FA	FB	FC
6/11	F5	2.04470	2.00660	2.02565	166.53		FO	6/5		F7	F8	F12	F10	F9	F11
6/1	F6	2.03962	2.00914	2.02438	166.53		F4	6/6		F2	F1	F3	F5	F4	F6
6/L	F7	2.04724	2.01930	2.03327	166.53		F9	6/7		Vertical orientation					
6/G	F8	2.00914	2.02946	2.01930	166.53		FB	6/8		a	a	a	a	a	a
6/7	F9	2.03454	1.99644	2.01549	166.53		FN	6/9		a	a	a	a	a	a
6/12	F10	2.03200	2.00660	2.01930	166.53		FH	6/10		a	a	a	a	a	a
6/2	F11	2.05232	2.01676	2.03454	166.53		F5	6/11		a	a	a	a	a	a
6/B	F12	2.03962	2.01422	2.02692	166.53		F10	6/12		a	a	a	a	a	a
6/M	F13	2.05740	2.02692	2.04216	166.53		FA	6/13							
6/C	F14	2.04470	2.02438	2.03454	166.53		FG	6/14							

6/H	F15	2.01422	2.04724	2.03073	166.53		FM	6/15							
6/13	FA	2.04216	2.02692	2.03454	166.53		F3	6/A							
6/8	FB	2.04470	2.01422	2.02946	166.53		F12	6/B							
6/3	FC	2.02692	2.06756	2.04724	166.53		F14	6/C							
6/I	FD	2.04978	2.00914	2.02946	166.53		FF	6/D							
6/N	FE	2.02692	2.00914	2.01803	166.53		FL	6/E							
6/D	FF	2.03454	2.00406	2.01930	166.53		F1	6/F							
6/14	FG	2.02946	2.06248	2.04597	166.53		F8	6/G							
6/10	FH	2.01676	1.99644	2.00660	166.53		F15	6/H							
6/4	FI	2.04978	2.05232	2.05105	166.53		FD	6/I							
6/O	FJ	2.01930	2.04216	2.03073	166.53		FK	6/J							
6/J	FK	2.04470	2.00406	2.02438	166.53		F2	6/K							
6/E	FL	2.00914	2.04216	2.02565	166.53		F7	6/L							
6/15	FM	2.05232	2.02946	2.04089	166.53		F13	6/M							
6/9	FN	2.05994	2.03200	2.04597	166.53		FE	6/N							
6/5	FO	2.01676	2.04470	2.03073	166.53		FJ	6/O							
7/1	G1	2.02184	2.00660	2.01422	166.69		G1	7/1		Position of fiber in bundle as seen from the scifi head on					
7/6	G2	1.99390	2.01676	2.00533	166.69		G7	7/2		GJ	GK	GL	GM	GN	GO
7/11	G3	2.02184	1.99390	2.00787	166.69		G13	7/3		GD	GE	GF	GG	GH	GI
7/A	G4	2.02184	2.00152	2.01168	166.69		GD	7/4		G13	G14	G15	GA	GB	GC
7/F	G5	2.01168	2.02946	2.02057	166.69		GJ	7/5		G7	G8	G9	G10	G11	G12
7/K	G6	2.01422	2.00152	2.00787	166.69		G2	7/6		G1	G2	G3	G4	G5	G6
7/2	G7	2.01422	2.00660	2.01041	166.69		G8	7/7		Vertical orientation					
7/7	G8	1.99390	2.02184	2.00787	166.69		G14	7/8		a	a	a	a	a	a
7/12	G9	2.01930	1.98628	2.00279	166.69		GE	7/9		a	a	a	a	a	a
7/B	G10	1.99898	2.02184	2.01041	166.69		GK	7/10		a	a	a	a	a	a
7/G	G11	1.99390	2.02946	2.01168	166.69		G3	7/11		a	a	a	a	a	a
7/L	G12	2.02692	2.00914	2.01803	166.69		G9	7/12		a	a	a	a	a	a
7/3	G13	1.98628	2.01676	2.00152	166.69		G15	7/13							
7/8	G14	2.02946	2.02438	2.02692	166.69		GF	7/14							
7/13	G15	2.03454	2.00914	2.02184	166.69		GL	7/15							
7/C	GA	1.99136	2.01930	2.00533	166.69		G4	7/A							
7/H	GB	2.02692	1.98882	2.00787	166.69		G10	7/B							
7/M	GC	2.02692	2.00406	2.01549	166.69		GA	7/C							
7/4	GD	2.01676	1.98628	2.00152	166.69		GG	7/D							
7/9	GE	2.02184	1.98628	2.00406	166.69		GM	7/E							

7/14	GF	2.00152	2.00914	2.00533	166.69		G5	7/F							
7/D	GG	1.99898	2.01930	2.00914	166.69		G11	7/G							
7/I	GH	2.02184	1.99136	2.00660	166.69		GB	7/H							
7/N	JI	2.03708	2.02692	2.03200	166.69		GH	7/I							
7/5	GJ	1.99390	2.01930	2.00660	166.69		GN	7/J							
7/10	GK	1.98628	2.01676	2.00152	166.69		G6	7/K							
7/15	GL	2.02184	2.01676	2.01930	166.69		G12	7/L							
7/E	GM	2.02946	2.00660	2.01803	166.69		GC	7/M							
7/J	GN	2.00914	2.00152	2.00533	166.69		JI	7/N							
7/O	GO	1.99136	2.01930	2.00533	166.69		GO	7/O							
8/1	H1	2.02184	2.00914	2.01549	166.69		H1	8/1		Position of fiber in bundle as seen from the scifi head on					
8/6	H2	2.00914	2.02692	2.01803	166.69		H7	8/2		HJ	HK	HL	HM	HN	HO
8/11	H3	2.02692	1.99898	2.01295	166.69		H13	8/3		HD	HE	HF	HG	HH	HI
8/A	H4	2.00406	2.02692	2.01549	166.69		HD	8/4		H13	H14	H15	HA	HB	HC
8/F	H5	2.02184	2.03200	2.02692	166.69		HJ	8/5		H7	H8	H9	H10	H11	H12
8/K	H6	2.04470	2.02946	2.03708	166.69		H2	8/6		H1	H2	H3	H4	H5	H6
8/2	H7	1.99136	2.02438	2.00787	166.69		H8	8/7		Vertical orientation					
8/7	H8	2.02184	2.00914	2.01549	166.69		H14	8/8		a	a	a	a	a	a
8/12	H9	2.01676	2.03962	2.02819	166.69		HE	8/9		a	a	a	a	a	a
8/B	H10	2.03454	2.01422	2.02438	166.69		HK	8/10		a	a	a	a	a	a
8/G	H11	2.01168	2.03454	2.02311	166.69		H3	8/11		a	a	a	a	a	a
8/L	H12	2.01422	2.02438	2.01930	166.69		H9	8/12		a	a	a	a	a	a
8/3	H13	2.01676	2.00914	2.01295	166.69		H15	8/13							
8/8	H14	1.98882	2.02438	2.00660	166.69		HF	8/14							
8/13	H15	2.02692	2.01168	2.01930	166.69		HL	8/15							
8/C	HA	2.00406	2.01930	2.01168	166.69		H4	8/A							
8/H	HB	2.03962	2.04978	2.04470	166.69		H10	8/B							
8/M	HC	2.01676	2.02946	2.02311	166.69		HA	8/C							
8/4	HD	1.99390	2.02692	2.01041	166.69		HG	8/D							
8/9	HE	2.02184	2.01168	2.01676	166.69		HM	8/E							
8/14	HF	2.03962	2.01676	2.02819	166.69		H5	8/F							
8/D	HG	2.02692	2.02184	2.02438	166.69		H11	8/G							
8/I	HH	2.02692	2.00914	2.01803	166.69		HB	8/H							
8/N	HI	2.02946	2.00152	2.01549	166.69		HH	8/I							
8/5	HJ	2.02692	2.02184	2.02438	166.69		HN	8/J							
8/10	HK	2.02946	2.00914	2.01930	166.69		H6	8/K							

8/15	HL	2.00914	2.01676	2.01295	166.69		H12	8/L							
8/E	HM	2.03454	2.00914	2.02184	166.69		HC	8/M							
8/J	HN	2.01168	2.03962	2.02565	166.69		HI	8/N							
8/O	HO	2.00152	2.02946	2.01549	166.69		HO	8/O							
9/7	I1	2.02692	1.99136	2.00914	166.69		I2	9/1		Position of fiber in bundle as seen from the view of Ig to scifi					
9/1	I2	2.00914	2.03962	2.02438	166.69		I1	9/2		I5	ID	I15	I10	I13	IF
9/K	I3	2.03708	2.02438	2.03073	166.69		IE	9/3		I12	IJ	IK	IA	I7	IO
9/13	I4	1.99644	2.02946	2.01295	166.69		I12	9/4		IE	IN	I4	I9	IH	IB
9/5	I5	2.00914	2.04470	2.02692	166.69		I5	9/5		I1	I1	I14	I6	I11	IL
9/B	I6	2.04470	2.04724	2.04597	166.69		IG	9/6		I2	IG	IC	IM	I8	I3
9/I	I7	2.06756	2.04216	2.05486	166.69		I1	9/7		Vertical orientation					
9/F	I8	2.00914	2.02184	2.01549	166.69		IN	9/8		b	a	a	b	a	b
9/C	I9	2.13360	2.02184	2.07772	166.69		IJ	9/9		b	b	b	a	a	b
9/E	I10	2.02438	2.02692	2.02565	166.69		ID	9/10		b	b	b	b	a	a
9/G	I11	2.03454	2.00914	2.02184	166.69		IC	9/11		a	a	b	a	a	b
9/4	I12	2.01676	2.05486	2.03581	166.69		I14	9/12		a	b	b	a	b	b
9/J	I13	2.03708	2.00152	2.01930	166.69		I4	9/13							
9/12	I14	2.02692	2.01422	2.02057	166.69		IK	9/14							
9/15	I15	2.01676	2.01676	2.01676	166.69		I15	9/15							
9/D	IA	2.02184	2.01676	2.01930	166.69		IM	9/A							
9/M	IB	2.02946	2.00152	2.01549	166.69		I6	9/B							
9/11	IC	2.03454	2.03962	2.03708	166.69		I9	9/C							
9/10	ID	2.03962	2.01422	2.02692	166.69		IA	9/D							
9/3	IE	2.03708	2.01422	2.02565	166.69		I10	9/E							
9/O	IF	2.03454	2.01676	2.02565	166.69		I8	9/F							
9/6	IG	2.07772	2.07264	2.07518	166.69		I11	9/G							
9/H	IH	2.07010	2.04216	2.05613	166.69		IH	9/H							
9/2	I1	2.02692	2.00914	2.01803	166.69		I7	9/I							
9/9	IJ	2.01930	2.04470	2.03200	166.69		I13	9/J							
9/14	IK	2.16662	2.16408	2.16535	166.69		I3	9/K							
9/L	IL	2.02438	2.02438	2.02438	166.69		IL	9/L							
9/A	IM	2.04470	2.07264	2.05867	166.69		IB	9/M							
9/8	IN	2.04470	2.01676	2.03073	166.69		IO	9/N							
9/N	IO	2.06248	2.04216	2.05232	166.69		IF	9/O							
10/L	J1	2.03710	2.03450	2.03580	166.69		J11	10/1		Position of fiber in bundle as seen from the scifi head on					
10/8	K13	2.02690	1.99900	2.01300	166.69		J6	10/2		JO	JN	JE	J15	J5	JJ

10/M	J3	2.02950	2.01680	2.02310	166.69		JK	10/3		JH	K15	KI	JD	J4	J9
10/9	J4	2.04980	2.06760	2.05870	166.69		J9	10/4		J3	JG	J13	JC	K13	JK
10/10	J5	2.04470	2.03960	2.04220	166.69		JJ	10/5		J1	J14	J12	JL	J8	J6
10/2	J6	2.00660	2.02440	2.01550	166.69		JB	10/6		J10	K11	K12	JA	JB	J11
10/F	K11	1.99390	2.01930	2.00660	166.69		J8	10/7		Vertical orientation					
10/7	J8	2.02440	1.99390	2.00910	166.69		K13	10/8		a	a	a	a	a	b
10/4	J9	2.00910	2.03450	2.02180	166.69		J4	10/9		a	b	b	a	b	b
10/K	J10	2.01420	2.04220	2.02820	166.69		J5	10/10		a	a	a	a	a	a
10/1	J11	2.01930	2.04720	2.03330	166.69		JA	10/11		b	a	b	a	a	a
10/B	J12	2.03450	2.05990	2.04720	166.69		JL	10/12		b	a	b	b	a	a
10/C	J13	2.01680	2.01170	2.01420	166.69		JC	10/13							
10/G	J14	2.02180	2.04720	2.03450	166.69		JD	10/14							
10/15	J15	2.04980	2.04980	2.04980	166.69		J15	10/15							
10/11	JA	2.01680	2.01930	2.01800	166.69		K12	10/A							
10/6	JB	2.02180	2.06250	2.04220	166.69		J12	10/B							
10/13	JC	2.01680	2.08790	2.05230	166.69		J13	10/C							
10/14	JD	2.04220	2.02950	2.03580	166.69		KI	10/D							
10/E	JE	2.03710	2.03450	2.03580	166.69		JE	10/E							
10/A	K12	2.04220	2.02180	2.03200	166.69		K11	10/F							
10/H	JG	2.09300	2.07260	2.08280	166.69		J14	10/G							
10/N	JH	2.07520	2.07260	2.07390	166.69		JG	10/H							
10/D	KI	2.05740	2.06250	2.05990	166.69		K15	10/I							
10/5	JJ	2.02180	2.06500	2.04340	166.69		JN	10/J							
10/3	JK	2.03450	2.04470	2.03960	166.69		J10	10/K							
10/12	JL	2.06760	2.12600	2.09680	166.69		J1	10/L							
10/I	K15	2.03710	2.01930	2.02820	166.69		J3	10/M							
10/J	JN	2.01420	2.04470	2.02950	166.69		JH	10/N							
10/O	JO	2.04220	2.04720	2.04470	166.69		JO	10/O							
11/F	K1	2.04470	2.04720	2.04600	166.69		KC	11/1		Position of fiber in bundle as seen from the scifi head on					
11/G	K2	2.03960	2.02440	2.03200	166.69		KG	11/2		K5	K4	JM	KA	KM	KO
11/14	K3	2.05990	2.05990	2.05990	166.69		KH	11/3		K9	K10	KJ	K3	MI	KK
11/J	K4	2.02690	2.01170	2.01930	166.69		KK	11/4		KD	J2	J7	KN	JF	KH
11/O	K5	2.04220	2.06500	2.05360	166.69		KO	11/5		KL	K2	K14	KB	K7	KG
11/6	K6	2.02690	2.04980	2.03840	166.69		K6	11/6		KE	K1	K8	KF	K6	KC
11/7	K7	2.03960	2.04980	2.04470	166.69		K7	11/7		Vertical orientation					
11/A	K8	2.06500	2.03450	2.04980	166.69		JF	11/8		b	a	a	a	a	b

11/N	K9	2.10310	2.07770	2.09040	166.69		MI	11/9		b	a	a	a	b	a
11/I	K10	2.00410	2.02440	2.01420	166.69		KM	11/10		a	b	a	a	a	a
11/C	J7	2.05230	2.03960	2.04600	166.69		KA	11/11		a	a	a	a	a	a
11/8	JF	2.05490	2.08030	2.06760	166.69		KB	11/12		b	a	a	a	a	a
11/H	J2	2.03710	2.04470	2.04090	166.69		KN	11/13							
11/B	K14	2.01170	2.06500	2.03840	166.69		K3	11/14							
11/E	JM	2.03960	2.07260	2.05610	166.69		KF	11/15							
11/11	KA	2.05230	2.07010	2.06120	166.69		K8	11/A							
11/12	KB	2.01680	2.04470	2.03070	166.69		K14	11/B							
11/1	KC	2.03710	2.03710	2.03710	166.69		J7	11/C							
11/M	KD	2.02950	2.03450	2.03200	166.69		KJ	11/D							
11/K	KE	2.03960	2.00910	2.02440	166.69		JM	11/E							
11/15	KF	2.02440	2.02180	2.02310	166.69		K1	11/F							
11/2	KG	2.02440	2.04720	2.03580	166.69		K2	11/G							
11/3	KH	2.04980	2.02690	2.03840	166.69		J2	11/H							
11/9	MI	2.00410	2.03450	2.01930	166.69		K10	11/I							
11/D	KJ	2.02690	2.02180	2.02440	166.69		K4	11/J							
11/4	KK	2.04980	2.01680	2.03330	166.69		KE	11/K							
11/L	KL	2.01680	2.03960	2.02820	166.69		KL	11/L							
11/10	KM	2.03960	2.02690	2.03330	166.69		KD	11/M							
11/13	KN	2.02690	2.01420	2.02060	166.69		K9	11/N							
11/5	KO	2.00910	2.01680	2.01300	166.69		K5	11/O							
12/K	L1	1.98630	2.03450	2.01040	167.01		LK	12/1		Position of fiber in bundle as seen from the scifi head on					
12/L	L2	2.01680	2.00410	2.01040	167.01		LL	12/2		L5	L10	L15	LE	LJ	LO
12/M	L3	2.03960	2.01680	2.02820	167.01		LM	12/3		L4	L9	L14	LD	LI	LN
12/N	L4	2.05740	2.02690	2.04220	167.01		LN	12/4		L3	L8	L13	LC	LH	LM
12/O	L5	2.04470	2.05740	2.05110	167.01		LO	12/5		L2	L7	L12	LB	LG	LL
12/F	L6	2.05490	2.02440	2.03960	167.01		LF	12/6		L1	L6	L11	LA	LF	LK
12/G	L7	2.04470	2.07010	2.05740	167.01		LG	12/7		Vertical orientation					
12/H	L8	2.03200	2.05490	2.04340	167.01		LH	12/8		a	a	a	a	a	a
12/I	L9	2.03960	2.03200	2.03580	167.01		LI	12/9		a	a	a	a	a	a
12/J	L10	2.00410	2.02950	2.01680	167.01		LJ	12/10		a	a	a	b	a	a
12/A	L11	2.04470	2.02950	2.03710	167.01		LA	12/11		a	b	a	a	b	b
12/B	L12	2.03450	2.04720	2.04090	167.01		LB	12/12		a	b	a	a	a	a
12/C	L13	2.02690	1.99900	2.01300	167.01		LC	12/13							
12/D	L14	2.02950	2.02950	2.02950	167.01		LD	12/14							

13/11	MF	2.00910	2.03710	2.02310	166.69		MO	13/F							
13/7	MG	2.04980	2.03450	2.04220	166.69		M2	13/G							
13/8	MH	2.01420	2.00660	2.01040	166.69		M3	13/H							
13/E	Q2	2.02438	2.00914	2.01676	166.85		QD	13/I							
13/6	MJ	2.00410	2.02440	2.01420	166.69		R15	13/J							
13/15	MK	2.02180	2.01170	2.01680	166.69		M6	13/K							
13/B	ML	2.05490	2.02180	2.03840	166.69		MB	13/L							
13/2	MM	2.06760	2.07010	2.06880	166.69		R6	13/M							
13/3	MN	2.04220	2.01930	2.03070	166.69		RI	13/N							
13/F	MO	2.03710	2.03960	2.03840	166.69		M5	13/O							
14/O	N1	2.03450	2.02180	2.02820	166.69		NO	14/1		Position of fiber in bundle as seen from the scifi head on					
14/N	N2	2.02950	2.01170	2.02060	166.69		NN	14/2		N5	N10	QO	S1	NJ	NO
14/M	N3	2.03450	2.01420	2.02440	166.69		TB	14/3		N4	U4	UA	ND	NI	NN
14/L	N4	2.02690	2.00410	2.01550	166.69		NL	14/4		N3	SK	N13	NC	NH	TB
14/K	N5	2.02690	2.03710	2.03200	166.69		NK	14/5		N2	S7	N12	NB	UC	NL
14/J	N6	2.03960	2.02950	2.03450	166.69		NJ	14/6		N1	N6	N11	NA	NF	NK
14/I	S7	2.04470	2.01420	2.02950	166.69		NI	14/7		Vertical orientation					
14/H	SK	2.03200	2.05990	2.04600	166.69		NH	14/8		a	a	a	a	a	a
14/G	U4	2.03200	2.04470	2.03835	166.85		UC	14/9		a	a	a	a	a	a
14/F	N10	2.01170	1.99390	2.00280	166.69		NF	14/10		a	a	a	a	a	a
14/E	N11	1.99900	2.01680	2.00790	166.69		S1	14/11		a	a	a	a	a	a
14/D	N12	2.04470	2.03710	2.04090	166.69		ND	14/12		a	a	a	a	a	a
14/C	N13	2.00410	2.02690	2.01550	166.69		NC	14/13							
14/B	UA	2.04470	2.02438	2.03454	166.85		NB	14/14							
14/A	QO	2.04220	2.06250	2.05230	166.85		NA	14/15							
14/15	NA	2.01680	2.01930	2.01800	166.69		QO	14/A							
14/14	NB	2.03960	2.02180	2.03070	166.69		UA	14/B							
14/13	NC	2.02950	2.02180	2.02570	166.69		N13	14/C							
14/12	ND	2.02950	2.00910	2.01930	166.69		N12	14/D							
14/11	S1	2.03450	2.06250	2.04850	166.69		N11	14/E							
14/10	NF	2.04470	2.01930	2.03200	166.69		N10	14/F							
14/9	UC	2.07518	2.05232	2.06375	166.85		U4	14/G							
14/8	NH	2.01420	1.99640	2.00530	166.69		SK	14/H							
14/7	NI	2.03200	2.01930	2.02570	166.69		S7	14/I							
14/6	NJ	2.02950	2.01680	2.02310	166.69		N6	14/J							
14/5	NK	2.03710	2.02690	2.03200	166.69		N5	14/K							

14/4	NL	2.02180	2.03960	2.03070	166.69		N4	14/L							
14/3	TB	2.06250	2.04220	2.05230	166.53		N3	14/M							
14/2	NN	2.03200	2.00910	2.02060	166.69		N2	14/N							
14/1	NO	2.03710	2.00660	2.02180	166.69		N1	14/O							
15/K	O1	2.03710	2.02690	2.03200	166.85		OK	15/1		Position of fiber in bundle as seen from the scifi head on					
15/L	O2	2.00660	2.03200	2.01930	166.85		OL	15/2		OB	OH	ON	OE	OJ	OO
15/M	O3	2.04470	2.03450	2.03960	166.85		OM	15/3		O4	O9	O14	OD	OI	O15
15/N	O4	2.03200	2.04980	2.04090	166.85		O15	15/4		O3	O8	O13	OC	O10	OM
15/12	O5	2.01420	2.04220	2.02820	166.85		OO	15/5		O2	O7	O12	O5	OG	OL
15/F	O6	2.03960	2.01680	2.02820	166.85		OF	15/6		O1	O6	O11	OA	OF	OK
15/G	O7	2.00410	2.02180	2.01300	166.85		OG	15/7		Vertical orientation					
15/H	O8	2.06250	2.04470	2.05360	166.85		O10	15/8		a	a	a	a	a	a
15/I	O9	2.05490	2.03450	2.04470	166.85		OI	15/9		a	a	a	a	a	a
15/8	O10	2.03710	2.04980	2.04340	166.85		OJ	15/10		a	a	a	a	a	a
15/A	O11	2.03450	2.04980	2.04220	166.85		OA	15/11		a	a	a	a	a	a
15/B	O12	2.02950	2.01420	2.02180	166.85		O5	15/12		a	a	a	a	a	a
15/C	O13	2.03960	2.01930	2.02950	166.85		OC	15/13							
15/D	O14	2.01930	2.00150	2.01040	166.85		OD	15/14							
15/4	O15	2.04470	2.04220	2.04340	166.85		OE	15/15							
15/11	OA	2.01170	2.00910	2.01040	166.85		O11	15/A							
15/O	OB	2.05740	2.03200	2.04470	166.85		O12	15/B							
15/13	OC	2.02180	2.00150	2.01170	166.85		O13	15/C							
15/14	OD	2.00410	2.02180	2.01300	166.85		O14	15/D							
15/15	OE	2.11070	2.10060	2.10570	166.85		ON	15/E							
15/6	OF	2.03450	2.01680	2.02570	166.85		O6	15/F							
15/7	OG	2.02180	2.04220	2.03200	166.85		O7	15/G							
15/J	OH	2.02440	2.02180	2.02310	166.85		O8	15/H							
15/9	OI	2.03200	2.03960	2.03580	166.85		O9	15/I							
15/10	OJ	1.99900	2.01930	2.00910	166.85		OH	15/J							
15/1	OK	2.04720	2.07010	2.05870	166.85		O1	15/K							
15/2	OL	2.04980	2.03450	2.04220	166.85		O2	15/L							
15/3	OM	2.02950	2.04720	2.03840	166.85		O3	15/M							
15/E	ON	2.02950	2.01680	2.02310	166.85		O4	15/N							
15/5	OO	2.02180	2.02690	2.02440	166.85		OB	15/O							
16/K	P1	2.01930	2.04724	2.03327	167.01		PK	16/1		Position of fiber in bundle as seen from the scifi head on					
16/L	P2	2.05994	2.02946	2.04470	167.01		PL	16/2		P5	P6	SF	PE	P8	SA

16/M	P3	2.04724	2.04470	2.04597	167.01		PM	16/3		P4	P9	P14	PD	PI	PN
16/N	P4	2.02692	2.04216	2.03454	167.01		PN	16/4		P3	PJ	P13	PC	S10	PM
16/O	P5	2.04470	2.05740	2.05105	167.01		SA	16/5		P2	P7	P12	SE	PG	PL
16/J	P6	2.05232	2.02946	2.04089	167.01		PF	16/6		P1	P10	P15	PA	PF	PK
16/G	P7	2.04978	2.03200	2.04089	167.01		PG	16/7		Vertical orientation					
16/10	P8	2.03200	2.05740	2.04470	167.01		S10	16/8		a	a	a	b	a	b
16/I	P9	2.03962	2.05232	2.04597	167.01		PI	16/9		a	a	a	b	b	a
16/F	P10	2.02946	2.03708	2.03327	167.01		P8	16/10		a	a	a	a	a	a
16/E	SF	2.03200	2.03960	2.03580	166.69		PA	16/11		a	b	a	b	a	a
16/B	P12	2.02692	2.04470	2.03581	167.01		SE	16/12		a	a	a	a	a	a
16/C	P13	2.05740	2.03454	2.04597	167.01		PC	16/13							
16/D	P14	2.03962	2.05740	2.04851	167.01		PD	16/14							
16/A	P15	2.02692	2.04724	2.03708	167.01		PE	16/15							
16/11	PA	2.02184	2.04216	2.03200	167.01		P15	16/A							
16/5	SA	2.00910	2.03200	2.02060	166.69		P12	16/B							
16/13	PC	2.05232	2.04978	2.05105	167.01		P13	16/C							
16/14	PD	2.01422	2.02438	2.01930	167.01		P14	16/D							
16/15	PE	2.04216	2.06502	2.05359	167.01		SF	16/E							
16/6	PF	2.02946	2.02184	2.02565	167.01		P10	16/F							
16/7	PG	2.05994	2.07518	2.06756	167.01		P7	16/G							
16/8	S10	2.01420	2.03450	2.02440	166.69		PJ	16/H							
16/9	PI	2.03708	2.04216	2.03962	167.01		P9	16/I							
16/H	PJ	2.03962	2.03200	2.03581	167.01		P6	16/J							
16/1	PK	2.02184	2.03962	2.03073	167.01		P1	16/K							
16/2	PL	2.02438	2.02184	2.02311	167.01		P2	16/L							
16/3	PM	2.03962	2.04470	2.04216	167.01		P3	16/M							
16/4	PN	2.04470	2.03454	2.03962	167.01		P4	16/N							
16/12	SE	2.01680	2.03450	2.02570	166.69		P5	16/O							
17/K	Q1	2.01170	2.03450	2.02310	166.85		QF	17/1		Position of fiber in bundle as seen from the scifi head on					
17/12	N15	2.01170	2.02690	2.01930	166.69		QL	17/2		Q5	Q10	QE	Q15	QJ	T4
17/I	Q3	2.02950	2.02950	2.02950	166.85		QM	17/3		Q4	Q3	QI	M4	Q14	QN
17/N	Q4	2.03450	2.04720	2.04090	166.85		QN	17/4		Q9	Q8	Q13	QC	QH	QM
17/O	Q5	2.03710	2.03960	2.03840	166.85		T4	17/5		QB	Q7	Q12	N15	RK	QL
17/F	Q6	2.04220	2.02690	2.03450	166.85		QK	17/6		Q1	Q6	Q11	QA	QK	QF
17/G	Q7	2.02950	2.01420	2.02180	166.85		RK	17/7		Vertical orientation					
17/H	Q8	2.05990	2.03960	2.04980	166.85		QH	17/8		a	a	a	a	a	a

17/M	Q9	2.03200	2.04720	2.03960	166.85		Q14	17/9		b	a	a	b	b	a
17/J	Q10	2.03200	2.05230	2.04220	166.85		QJ	17/10		a	a	b	a	b	a
17/A	Q11	2.04220	2.04720	2.04470	166.85		QA	17/11		a	a	a	b	a	a
17/B	Q12	2.04720	2.05990	2.05360	166.85		N15	17/12		a	a	a	a	a	a
17/C	Q13	2.03200	2.03450	2.03330	166.85		QC	17/13							
17/9	Q14	2.02690	2.01420	2.02060	166.85		M4	17/14							
17/15	Q15	2.02950	2.00150	2.01550	166.85		Q15	17/15							
17/11	QA	2.01420	2.03200	2.02310	166.85		Q11	17/A							
17/L	QB	2.06250	2.05490	2.05870	166.85		Q12	17/B							
17/13	QC	2.04220	2.02690	2.03450	166.85		Q13	17/C							
17/14	M4	2.07260	2.08530	2.07900	166.69		QI	17/D							
17/E	QE	2.04470	2.06760	2.05610	166.85		QE	17/E							
17/1	QF	2.03960	2.03710	2.03840	166.85		Q6	17/F							
17/7	RK	2.07520	2.05490	2.06500	166.85		Q7	17/G							
17/8	QH	2.03960	2.01170	2.02570	166.85		Q8	17/H							
17/D	QI	2.03200	2.01930	2.02570	166.85		Q3	17/I							
17/10	QJ	2.04470	2.03710	2.04090	166.85		Q10	17/J							
17/6	QK	2.03450	2.04470	2.03960	166.85		Q1	17/K							
17/2	QL	2.04720	2.02950	2.03840	166.85		QB	17/L							
17/3	QM	2.03960	2.04980	2.04470	166.85		Q9	17/M							
17/4	QN	2.03450	2.04720	2.04090	166.85		Q4	17/N							
17/5	T4	2.00660	2.02690	2.01680	166.53		Q5	17/O							
18/1	M12	2.09800	2.08030	2.08920	166.69		M12	18/1		Position of fiber in bundle as seen from the scifi head on					
18/12	M7	2.08030	2.07520	2.07770	166.69		RL	18/2		R5	R10	M10	RO	RJ	RE
18/14	R3	2.01680	2.02950	2.02310	166.85		RM	18/3		R4	RN	R14	R3	MA	R9
18/N	R4	2.00910	2.03200	2.02060	166.85		R9	18/4		RA	R8	R13	RC	RH	RM
18/O	R5	2.02950	2.00660	2.01800	166.85		RE	18/5		M8	R12	R7	M7	RG	RL
18/L	M8	2.07260	2.06500	2.06880	166.69		RF	18/6		QG	RB	RD	R11	RF	M12
18/B	R7	2.02950	2.00910	2.01930	166.85		RG	18/7		Vertical orientation					
18/H	R8	2.05230	2.03710	2.04470	166.85		RH	18/8		a	a	a	a	a	b
18/4	R9	2.00150	2.01680	2.00910	166.85		MA	18/9		a	a	a	a	b	a
18/J	R10	2.01680	2.00660	2.01170	166.85		RJ	18/10		a	a	b	a	a	a
18/11	R11	2.03960	2.02950	2.03450	166.85		R11	18/11		a	a	b	a	a	b
18/G	R12	2.08280	1.99900	2.04090	166.85		M7	18/12		a	a	a	a	b	a
18/C	R13	2.05230	2.03960	2.04600	166.85		RC	18/13							
18/D	R14	2.00910	2.02180	2.01550	166.85		R3	18/14							

19/6	UO	2.04470	2.04978	2.04724	166.85		PO	19/F							
19/7	SG	2.04220	2.01680	2.02950	166.69		N7	19/G							
19/8	SH	2.02440	2.01420	2.01930	166.69		S13	19/H							
19/5	SI	2.01930	2.03960	2.02950	166.69		S2	19/I							
19/10	SJ	2.03450	2.04470	2.03960	166.69		P11	19/J							
19/1	N8	2.02180	2.00910	2.01550	166.69		NE	19/K							
19/2	SL	2.05740	2.03200	2.04470	166.69		S12	19/L							
19/14	SM	2.05740	2.04220	2.04980	166.69		S3	19/M							
19/4	SN	2.03960	2.01930	2.02950	166.69		S4	19/N							
19/9	SO	2.10820	2.04720	2.07770	166.69		S5	19/O							
20/5	T1	2.01930	2.02180	2.02060	166.53		T5	20/1		Position of fiber in bundle as seen from the scifi head on					
20/4	T2	2.03960	2.01170	2.02570	166.53		TD	20/2		T5	T10	T15	TG	TJ	TO
20/3	T3	2.03200	2.05740	2.04470	166.53		T3	20/3		TD	T9	T14	NM	TI	TN
20/B	NM	2.01930	2.02690	2.02310	166.69		T2	20/4		T3	T8	T13	TC	TH	TM
20/1	T5	2.01680	2.04220	2.02950	166.53		T1	20/5		T2	T7	T12	N14	TE	TL
20/10	T6	2.02180	2.03710	2.02950	166.53		T10	20/6		T1	T6	T11	TA	TF	TK
20/9	T7	2.06760	2.12090	2.09420	166.53		T9	20/7		Vertical orientation					
20/8	T8	2.04220	2.07520	2.05870	166.53		T8	20/8		a	a	a	a	a	a
20/7	T9	2.03960	2.01930	2.02950	166.53		T7	20/9		b	a	a	b	a	b
20/6	T10	2.02690	2.04220	2.03450	166.53		T6	20/10		a	a	a	a	a	a
20/15	T11	2.03960	2.01930	2.02950	166.53		T15	20/11		a	a	a	a	a	a
20/14	T12	2.03710	2.02440	2.03070	166.53		T14	20/12		a	a	a	a	a	a
20/13	T13	2.01170	2.04720	2.02950	166.53		T13	20/13							
20/12	T14	2.03200	2.05740	2.04470	166.53		T12	20/14							
20/11	T15	2.02690	2.05490	2.04090	166.53		T11	20/15							
20/E	TA	2.02180	2.04470	2.03330	166.53		TG	20/A							
20/D	N14	2.02180	1.99140	2.00660	166.69		NM	20/B							
20/C	TC	2.04470	2.03450	2.03960	166.53		TC	20/C							
20/2	TD	2.03960	2.05490	2.04720	166.53		N14	20/D							
20/I	TE	2.07010	2.05230	2.06120	166.53		TA	20/E							
20/J	TF	2.02440	2.04720	2.03580	166.53		TJ	20/F							
20/A	TG	2.06760	2.05230	2.05990	166.53		TI	20/G							
20/H	TH	2.03960	2.03200	2.03580	166.53		TH	20/H							
20/G	TI	2.03710	2.04220	2.03960	166.53		TE	20/I							
20/F	TJ	2.01170	2.04720	2.02950	166.53		TF	20/J							
20/O	TK	2.03710	2.07010	2.05360	166.53		TO	20/K							

20/N	TL	2.02180	2.04470	2.03330	166.53		TN	20/L							
20/M	TM	2.04980	2.03710	2.04340	166.53		TM	20/M							
20/L	TN	2.03710	2.06760	2.05230	166.53		TL	20/N							
20/K	TO	2.02180	2.04980	2.03580	166.53		TK	20/O							
21/K	U1	2.04978	2.02438	2.03708	166.85		UK	21/1		Position of fiber in bundle as seen from the scifi head on					
21/L	U2	2.03962	2.01168	2.02565	166.85		UL	21/2		U5	U10	U15	UE	UJ	GI
21/M	U3	2.03708	2.04470	2.04089	166.85		UM	21/3		N9	U9	U14	UD	UI	UN
21/N	N9	1.99900	2.02180	2.01040	166.69		UN	21/4		U3	U8	U13	PB	UH	UM
21/O	U5	2.00406	2.02438	2.01422	166.85		GI	21/5		U2	U7	U12	UB	UG	UL
21/F	U6	2.03454	2.03200	2.03327	166.85		UF	21/6		U1	U6	U11	NG	UF	UK
21/G	U7	2.01676	2.03962	2.02819	166.85		UG	21/7		Vertical orientation					
21/H	U8	2.06248	2.03454	2.04851	166.85		UH	21/8		a	a	b	a	a	a
21/I	U9	2.03454	2.04724	2.04089	166.85		UI	21/9		a	a	a	a	a	a
21/J	U10	2.05232	2.03200	2.04216	166.85		UJ	21/10		a	a	a	b	a	a
21/A	U11	2.03454	2.04978	2.04216	166.85		NG	21/11		a	a	a	a	a	a
21/B	U12	2.03962	2.03708	2.03835	166.85		UB	21/12		a	a	a	a	a	a
21/C	U13	2.02946	2.02946	2.02946	166.85		PB	21/13							
21/D	U14	2.03200	2.03708	2.03454	166.85		UD	21/14							
21/E	U15	2.02946	2.04470	2.03708	166.85		UE	21/15							
21/11	NG	2.02690	2.00660	2.01680	166.69		U11	21/A							
21/12	UB	2.03708	2.03454	2.03581	166.85		U12	21/B							
21/13	PB	2.04470	2.03708	2.04089	167.01		U13	21/C							
21/14	UD	2.03962	2.03962	2.03962	166.85		U14	21/D							
21/15	UE	2.05232	2.04724	2.04978	166.85		U15	21/E							
21/6	UF	2.05232	2.04978	2.05105	166.85		U6	21/F							
21/7	UG	2.05740	2.03708	2.04724	166.85		U7	21/G							
21/8	UH	2.01930	2.03962	2.02946	166.85		U8	21/H							
21/9	UI	2.02184	2.03200	2.02692	166.85		U9	21/I							
21/10	UJ	2.03200	2.04470	2.03835	166.85		U10	21/J							
21/1	UK	2.02184	2.02946	2.02565	166.85		U1	21/K							
21/2	UL	2.03708	2.03454	2.03581	166.85		U2	21/L							
21/3	UM	2.04216	2.04216	2.04216	166.85		U3	21/M							
21/4	UN	2.03454	2.04470	2.03962	166.85		N9	21/N							
21/5	GI	2.01422	2.01930	2.01680	166.85		U5	21/O							

Fiber Fusing

Scintillating Fibers		Lightguide Fibers		Fuse Site Width
Fiber #	Length (cm)	Average Width (mm)	Average Width (mm)	Average Width (mm)
A1	2.0028	2.0244	2.0053	2.0625
A2	1.9990	2.0180	1.9393	-
A3	1.9964	2.0193	1.9901	2.0523
A4	1.9939	2.0193	1.9914	2.0472
A5	1.9990	2.0218	1.9876	2.0434
A6	1.9939	2.0472	1.9990	2.0396
A7	1.9990	2.0180	1.9799	2.0295
A8	2.0041	2.0282	1.9774	2.0434
A9	2.0041	2.0206	1.9990	2.0422
A10	2.0041	2.0307	2.0041	2.0396
A11	1.9914	2.0307	2.0041	2.0434
A12	1.9964	2.0130	1.9774	2.0434
A13	1.9964	2.0384	1.9863	2.0511
A14	2.0041	2.0244	1.9901	2.0371
A15	2.0015	2.0244	1.9990	2.0384
AA	2.0066	2.0168	1.9723	2.0523
AB	2.0041	2.0231	2.0003	2.0472
AC	1.9964	2.0180	2.0117	2.0434
AD	1.9914	2.0269	2.0015	2.0485
AE	1.9990	2.0257	1.9863	2.0422
AF	1.9990	2.0193	1.9990	2.0460
AG	2.0041	2.0193	2.0003	2.0307
AH	1.9939	2.0231	1.9723	2.0447
AI	1.9964	2.0244	2.0130	2.0409
AJ	1.9964	2.0371	1.9863	2.0485
AK	1.9990	2.0168	1.9926	2.0460
AL	2.0015	2.0231	1.9926	2.0434

AM	1.9939	2.0244	2.0155	2.0460
AN	1.9761	2.0091	2.0028	2.0320
AO	2.0142	2.0257	1.9964	2.0396
B1	2.0244	2.0384	1.9723	2.0320
B2	2.0193	2.0384	1.9787	2.0561
B3	2.0218	2.0231	1.9660	2.0333
B4	2.0193	2.0257	1.9850	2.0422
B5	2.0168	2.0218	1.9660	2.0434
B6	2.0193	2.0168	1.9596	2.0409
B7	2.0193	2.0282	1.9660	2.0472
B8	2.0193	2.0307	1.9482	2.0447
B9	2.0218	2.0269	1.9482	2.0295
B10	2.0168	2.0447	1.9545	2.0422
B11	2.0193	2.0307	1.9723	2.0371
B12	2.0193	2.0231	1.9723	2.0396
B13	2.0218	2.0434	1.9596	2.0460
B14	2.0168	2.0358	1.9571	2.0460
B15	2.0193	2.0269	1.9520	2.0345
BA	2.0168	2.0460	1.9710	2.0409
BB	2.0142	2.0244	1.9393	2.0345
BC	2.0168	2.0257	1.9495	2.0409
BD	2.0218	2.0257	1.9749	2.0460
BE	2.0168	2.0231	1.9698	2.0358
BF	2.0218	2.0320	1.9863	2.0460
BG	2.0218	2.0257	1.9622	2.0434
BH	2.0218	2.0282	1.9456	2.0282
BI	2.0218	2.0396	1.9507	2.0345
BJ	1.9609	2.0409	1.9926	2.0384
BK	2.0218	2.0320	1.9761	2.0320
BL	2.0269	2.0231	1.9495	2.0269
BM	2.0193	2.0345	1.9939	2.0422
BN	2.0218	2.0307	1.9977	2.0384

BO	2.0218	2.0193	1.9837	2.0333
C1	2.0371	2.0244	1.9444	2.0282
C2	2.0269	2.0257	1.9482	2.0295
C3	2.0295	2.0028	1.9533	2.0257
C4	2.0244	2.0041	1.9787	2.0142
C5	2.0295	1.9837	1.9698	2.0015
C6	2.0269	1.9571	1.9418	2.0053
C7	2.0269	2.0168	1.9495	2.0371
C8	2.0218	1.9799	1.9876	2.0130
C9	2.0295	2.0155	1.9888	2.0384
C10	2.0269	2.0117	1.9456	2.0434
C11	2.0269	1.9926	1.9418	2.0142
C12	2.0269	2.0028	1.9431	2.0358
C13	2.0320	1.9952	1.9469	2.0269
C14	2.0244	2.0041	1.9456	2.0320
C15	2.0244	2.0193	1.9634	2.0447
CA	2.0295	2.0015	1.9710	2.0396
CB	2.0218	2.0003	1.9469	2.0345
CC	2.0295	2.0130	1.9482	2.0384
CD	2.0295	1.9888	1.9876	2.0244
CE	2.0269	1.9964	1.9545	2.0180
CF	2.0295	2.0053	1.9431	2.0384
CG	2.0295	2.0193	1.9444	2.0409
CH	2.0269	2.0218	1.9558	2.0358
CI	2.0218	1.9952	1.9533	2.0307
CJ	2.0244	2.0244	1.9533	2.0396
CK	2.0244	2.0155	1.9685	2.0409
CL	2.0269	2.0028	1.9596	2.0333
CM	2.0244	2.0218	1.9545	2.0422
CN	2.0269	2.0193	1.9469	2.0307
CO	2.0244	2.0244	1.9482	2.0485
D1	1.9888	2.0180	1.9507	2.0155

D2	2.0193	1.9660	1.9812	2.0142
D3	2.0142	1.9533	1.9685	2.0155
D4	2.0168	1.9571	2.0091	2.0333
D5	2.0244	1.9736	1.9761	2.0168
D6	2.0193	1.9622	1.9406	2.0231
D7	2.0041	1.9774	2.0371	2.0511
D8	2.0066	1.9723	1.9863	2.0168
D9	2.0142	1.9837	1.9749	2.0142
D10	2.0091	1.9647	1.9596	2.0180
D11	2.0117	1.9787	1.9672	2.0180
D12	2.0168	1.9685	2.0434	2.0472
D13	2.0168	1.9596	2.0015	2.0549
D14	2.0168	1.9545	2.0015	2.0180
D15	2.0168	2.0053	1.9939	2.0168
DA	2.0142	1.9647	1.9698	2.0193
DB	2.0142	1.9583	2.0231	2.0498
DC	2.0193	1.9914	1.9660	2.0117
DD	1.9990	1.9533	1.9761	2.0168
DE	2.0168	1.9825	1.9431	2.0295
DF	2.0168	1.9774	1.9926	2.0155
DG	2.0117	1.9660	2.0193	2.0244
DH	2.0193	1.9939	1.9774	2.0117
DI	2.0168	1.9914	1.9596	2.0206
DJ	1.9837	1.9622	1.9647	2.0155
DK	2.0142	1.9533	1.9812	2.0206
DL	2.0015	2.0003	1.9495	2.0206
DM	2.0066	1.9596	1.9583	2.0180
DN	2.0091	1.9977	1.9710	2.0142
DO	2.0142	1.9799	1.9825	2.0231
E1	2.0295	1.9787	1.9533	2.0193
E2	2.0345	1.9812	1.9469	2.0079
E3	2.0371	1.9812	1.9634	2.0130

E4	2.0345	1.9863	1.9736	2.0117
E5	2.0371	1.9774	1.9837	2.0155
E6	2.0345	1.9787	1.9558	2.0168
E7	2.0396	1.9787	1.9685	2.0142
E8	2.0345	1.9812	1.9583	2.0155
E9	2.0345	1.9761	1.9533	2.0104
E10	2.0396	1.9787	1.9571	2.0193
E11	2.0422	1.9825	1.9583	2.0168
E12	2.0320	1.9799	1.9710	2.0104
E13	2.0345	1.9787	1.9710	2.0282
E14	2.0295	1.9787	1.9533	2.0155
E15	2.0320	1.9799	1.9723	2.0117
EA	2.0396	1.9787	2.0142	2.0358
EB	2.0371	1.9825	1.9939	2.0409
EC	2.0320	1.9774	1.9837	2.0142
ED	2.0345	1.9812	1.9837	2.0130
EE	2.0371	1.9787	2.0041	2.0282
EF	2.0320	1.9761	1.9952	2.0130
EG	2.0345	1.9736	2.0041	2.0333
EH	2.0320	1.9736	2.0257	2.0739
EI	2.0371	1.9799	1.9622	2.0130
EJ	2.0371	1.9787	1.9545	2.0155
EK	2.0371	1.9799	1.9609	2.0142
EL	2.0345	1.9774	1.9545	2.0130
EM	2.0345	1.9787	1.9774	2.0104
EN	2.0371	1.9787	1.9749	2.0168
EO	2.0320	1.9749	1.9926	2.0384
F1	2.0244	2.0168	1.9749	2.0358
F2	2.0269	2.0053	1.9787	2.0142
F3	2.0269	2.0130	1.9698	2.0320
F4	2.0295	2.0117	2.0041	2.0371
F5	2.0320	2.0206	1.9888	2.0371

F6	2.0218	2.0130	2.0003	2.0358
F7	2.0295	2.0066	1.9545	2.0257
F8	2.0295	2.0091	1.9850	2.0269
F9	2.0269	2.0168	1.9761	2.0295
F10	2.0295	2.0104	1.9723	2.0244
F11	2.0295	2.0130	1.9825	2.0358
F12	2.0320	1.9977	1.9855	2.0231
F13	2.0244	2.0066	1.9698	2.0257
F14	2.0269	2.0053	1.9939	2.0434
F15	2.0320	2.0053	1.9901	2.0345
FA	2.0320	1.9952	1.9787	2.0206
FB	2.0320	2.0155	1.9952	2.0422
FC	2.0295	2.0130	1.9901	2.0231
FD	2.0345	2.0091	1.9698	2.0434
FE	2.0295	2.0053	1.9558	2.0358
FF	2.0320	2.0117	1.9825	2.0295
FG	2.0320	2.0485	1.9850	2.0282
FH	2.0345	1.9799	1.9977	2.0345
FI	2.0269	2.0168	2.0028	2.0358
FJ	2.0295	2.0130	2.0015	2.0396
FK	2.0345	1.9761	1.9583	2.0079
FL	2.0295	2.0130	1.9825	2.0142
FM	2.0320	2.0206	1.9622	2.0244
FN	2.0320	2.0066	1.9698	2.0193
FO	2.0269	2.0180	1.9977	2.0295
G1	2.0320	1.9850	1.9698	2.0117
G2	2.0295	1.9799	2.0117	2.0333
G3	2.0295	1.9926	1.9685	2.0206
G4	2.0371	1.9863	1.9672	2.0117
G5	2.0345	1.9749	1.9710	2.0142
G6	2.0320	1.9761	1.9558	2.0155
G7	2.0320	1.9799	1.9202	2.0231

G8	2.0295	1.9723	1.9634	2.0104
G9	2.0345	1.9749	1.9698	2.0180
G10	2.0320	1.9825	1.9710	2.0269
G11	2.0320	1.9837	1.9685	2.0257
G12	2.0320	1.9736	1.9685	2.0142
G13	2.0345	1.9825	1.9837	2.0307
G14	2.0320	1.9837	1.9685	2.0066
G15	2.0371	1.9850	1.9736	2.0257
GA	2.0345	1.9863	1.9710	2.0091
GB	2.0345	1.9837	1.9914	2.0218
GC	2.0320	1.9888	1.9647	2.0307
GD	2.0345	1.9787	1.9558	2.0117
GE	2.0320	1.9787	1.9825	2.0104
GF	2.0345	1.9749	2.0117	2.0320
GG	2.0320	1.9876	2.0041	2.0117
GH	2.0396	1.9850	1.9609	2.0168
GI	2.0320	1.9761	2.0003	2.0168
GJ	2.0320	1.9749	1.9660	2.0066
GK	2.0345	1.9837	1.9926	2.0091
GL	2.0345	1.9825	1.9876	2.0130
GM	2.0320	1.9939	1.9749	2.0218
GN	2.0295	1.9914	1.9837	2.0168
GO	2.0345	1.9888	1.9774	2.0130
H1	2.0549	1.9964	1.9647	2.0295
H2	2.0422	1.9774	1.9596	2.0142
H3	2.0447	1.9990	1.9609	2.0257
H4	2.0422	1.9977	1.9685	2.0180
H5	2.0396	1.9914	1.9583	2.0180
H6	2.0396	1.9812	1.9533	2.0117
H7	2.0447	2.0015	1.9507	2.0320
H8	2.0396	2.0003	1.9698	2.0218
H9	2.0371	1.9914	2.0015	2.0231

H10	2.0422	1.9977	1.9647	2.0218
H11	2.0472	1.9837	1.9685	2.0091
H12	2.0345	1.9901	1.9710	2.0257
H13	2.0498	1.9837	1.9977	2.0295
H14	2.0447	1.9812	1.9685	2.0231
H15	2.0523	1.9812	1.9685	2.0231
HA	2.0447	1.9990	1.9571	2.0155
HB	2.0549	1.9812	1.9609	2.0130
HC	2.0447	1.9787	2.0155	2.0345
HD	2.0472	1.9977	1.9736	2.0295
HE	2.0447	1.9939	1.9660	2.0218
HF	2.0345	1.9837	1.9393	2.0168
HG	2.0498	1.9977	1.9850	2.0218
HH	2.0523	1.9799	2.0663	2.0193
HI	2.0523	1.9964	1.9888	2.0231
HJ	2.0371	1.9876	1.9799	2.0130
HK	2.0472	1.9977	1.9710	2.0371
HL	2.0498	1.9990	1.9774	2.0295
HM	2.0447	1.9977	1.9507	2.0307
HN	2.0396	2.0028	1.9634	2.0257
HO	2.0447	1.9799	1.9926	2.0460
I1	1.9990	2.0091	1.9583	1.9520
I2	2.0041	2.0066	1.9279	2.0193
I3	2.0041	2.0053	1.9698	1.9876
I4	1.9990	2.0015	2.0003	2.0396
I5	2.0015	2.0091	1.9698	2.0384
I6	2.0015	2.0028	1.9545	2.0231
I7	2.0015	2.0028	1.9329	2.0155
I8	1.9990	2.0041	1.9812	2.0155
I9	2.0015	2.0003	1.9609	2.0282
I10	2.0015	2.0066	1.9736	2.0371
I11	1.9990	2.0041	1.9787	2.0168

I12	1.9990	2.0028	1.9558	2.0130
I13	2.0041	2.0053	1.9876	2.0371
I14	2.0091	2.0028	1.9482	2.0155
I15	1.9990	2.0028	1.9774	2.0257
IA	1.9964	2.0028	1.9609	2.0371
IB	2.0015	2.0028	1.9837	2.0269
IC	2.0015	2.0003	1.9266	2.0295
ID	1.9964	2.0041	1.9545	2.0104
IE	1.9990	1.9990	1.9507	2.0269
IF	1.9990	2.0231	1.9787	2.0345
IG	2.0015	2.0053	1.9444	2.0218
IH	2.0015	2.0218	1.9698	2.0447
II	1.9990	2.0066	1.9799	2.0244
IJ	2.0015	2.0180	1.9850	2.0320
IK	2.0015	2.0028	1.9825	2.0269
IL	2.0041	2.0041	1.9622	2.0257
IM	2.0015	1.9990	2.0041	2.0117
IN	2.0041	2.0003	1.9799	2.0193
IO	2.0015	2.0053	2.0904	2.1603
J1	2.0168	2.0193	1.9787	2.0434
J2	2.0142	2.0218	1.9723	2.0409
J3	1.9710	2.0206	1.9634	2.0307
J4	2.0142	2.0231	1.9545	2.0269
J5	2.0244	1.9964	1.9571	2.0193
J6	1.9964	2.0218	1.9583	2.0282
J7	2.0142	1.9863	2.0091	2.0180
J8	2.0117	2.0231	1.9736	2.0561
J9	2.0142	1.9952	1.9533	2.0079
J10	2.0168	2.0168	1.9850	2.0295
J11	1.9863	2.0193	1.9469	2.0409
J12	2.0142	2.0218	1.9571	2.0371
J13	2.0091	2.0180	1.9977	2.0485

J14	2.0015	1.9876	1.9710	2.0130
J15	2.0142	2.0193	1.9571	2.0295
JA	2.0142	2.0028	1.9698	2.0155
JB	2.0168	2.0015	1.9634	2.0371
JC	2.0142	2.0244	2.0053	2.0472
JD	2.0091	2.0218	1.9698	2.0384
JE	2.0091	2.0206	1.9812	2.0358
JF	2.0117	2.0218	1.9850	2.0409
JG	2.0015	2.0269	2.0066	2.0384
JH	1.9964	2.0244	2.0142	2.0536
JI	1.9939	2.0257	1.9926	2.0511
JJ	2.0066	2.0218	1.9977	2.0676
JK	2.0168	2.0460	1.9482	2.0726
JL	2.0015	2.0257	2.0307	2.0980
JM	2.0066	2.0206	1.9507	2.0472
JN	2.0193	2.0193	1.9634	2.0434
JO	1.9863	2.0244	2.0422	2.0879
K1	2.0371	2.0218	1.9964	2.0549
K2	2.0295	2.0206	1.9939	2.0358
K3	2.0269	2.0269	2.0193	2.0472
K4	2.0371	2.0066	2.0028	2.0396
K5	2.0320	2.0117	2.0447	2.0612
K6	2.0295	2.0066	2.0015	2.0206
K7	2.0218	2.0218	1.9799	2.0333
K8	2.0345	2.0041	2.0257	2.0472
K9	2.0320	2.0206	1.9825	2.0460
K10	2.0269	2.0053	2.0282	2.0980
K11	2.0218	2.0104	1.9952	2.0231
K12	2.0295	2.0041	1.9533	2.0231
K13	2.0371	2.0218	1.9660	2.0295
K14	2.0269	2.0015	1.9685	2.0168
K15	2.0244	2.0079	1.9533	2.0498

KA	2.0193	2.0091	1.9964	2.0396
KB	2.0295	1.9990	1.9799	2.0244
KC	2.0295	2.0155	2.0282	2.0536
KD	2.0269	2.0041	2.0231	2.0168
KE	2.0295	1.9952	1.9596	2.0447
KF	2.0320	2.0079	1.9342	2.0358
KG	2.0295	2.0193	2.0079	2.0447
KH	2.0244	2.0371	1.9787	2.0638
KI	2.0345	2.0028	1.9596	2.0104
KJ	2.0320	2.0168	1.9647	2.0345
KK	2.0320	2.0472	2.0396	2.0676
KL	2.0320	2.0206	2.0015	2.0523
KM	2.0218	2.0079	1.9545	2.0180
KN	2.0320	2.0003	2.0003	2.0320
KO	2.0320	2.0180	1.9368	2.0371
L1	2.0218	2.0244	1.9634	2.0295
L2	2.0295	1.9901	1.9634	2.0168
L3	2.0269	2.0257	2.0093	2.0523
L4	2.0269	2.0218	1.9863	2.0269
L5	2.0244	2.0257	1.9647	2.0244
L6	2.0269	2.0257	1.9698	2.0498
L7	2.0320	2.0244	1.9291	2.0434
L8	2.0244	2.0244	1.9431	2.0206
L9	2.0269	1.9977	1.9266	2.0091
L10	2.0193	2.0244	1.9368	2.0409
L11	2.0218	2.0257	1.9418	2.0587
L12	2.0193	2.0269	1.9571	2.0485
L13	2.0295	1.9850	1.9317	2.0130
L14	2.0244	2.0257	1.9393	2.0307
L15	2.0295	2.0206	1.9482	2.0472
LA	2.0269	2.0155	1.9634	2.0307
LB	2.0269	2.0079	1.9876	2.0333

LC	2.0244	2.0104	1.9723	2.0422
LD	2.0269	2.0015	1.9710	2.0371
LE	2.0269	2.0155	1.9393	2.0422
LF	2.0269	1.9964	1.9622	2.0282
LG	2.0269	1.9850	1.9837	2.0409
LH	2.0295	2.0180	1.9126	2.0320
LI	2.0269	2.0142	2.0231	2.0650
LJ	2.0244	2.0104	1.9406	2.0536
LK	2.0218	2.0117	1.9393	2.0218
LL	2.0295	2.0079	1.9533	2.0688
LM	2.0218	2.0168	1.9787	2.0638
LN	2.0295	1.9914	1.9571	2.0295
LO	2.0269	2.0117	1.9914	2.0422
M1	2.0168	2.0168	1.9558	2.0333
M2	2.0193	2.0066	1.9456	2.0231
M3	2.0269	2.0142	1.9990	2.0676
M4	2.0244	2.0091	1.9533	2.0472
M5	2.0244	1.9723	1.9482	2.0117
M6	2.0320	2.0104	1.9380	2.0231
M7	2.0244	1.9888	2.0142	2.0434
M8	2.0066	2.0104	1.9749	2.0638
M9	2.0117	2.0041	1.9888	2.0904
M10	2.0142	2.0117	1.9723	2.0472
M11	2.0218	2.0130	1.9520	2.0752
M12	2.0117	2.0104	2.0142	2.1158
M13	1.9914	1.9850	1.9482	2.0371
M14	2.0142	2.0079	1.9482	2.0765
M15	2.0244	2.0091	1.9241	2.0422
MA	2.0244	1.9761	1.9787	2.0257
MB	2.0244	2.0104	1.9685	2.0396
MC	2.0193	2.0091	1.9939	2.0625
MD	2.0218	2.0180	2.0320	2.0688

ME	2.0244	2.0028	1.9990	2.0599
MF	2.0218	2.0130	1.9774	2.0739
MG	2.0269	2.0117	2.0384	2.1184
MH	2.0142	2.0041	1.9431	2.0384
MI	2.0244	2.0041	1.9939	2.0688
MJ	2.0142	2.0066	1.9850	2.1019
MK	2.0041	2.0066	2.0269	2.0841
ML	2.0244	2.0104	1.9609	2.0574
MM	2.0117	2.0091	1.9774	2.0384
MN	2.0041	2.0091	1.9799	2.0460
MO	2.0218	1.9977	1.9520	2.0561
N1	2.0168	1.9774	1.9850	2.0104
N2	2.0117	1.9888	1.9596	2.0142
N3	2.0142	1.9698	1.9368	2.0168
N4	2.0117	1.9837	1.9736	2.0295
N5	2.0117	1.9926	1.9495	2.0231
N6	2.0168	1.9799	1.9837	2.0434
N7	2.0193	1.9964	1.9787	2.0345
N8	2.0091	1.9926	1.9736	2.0396
N9	2.0168	1.9914	1.9888	2.0320
N10	2.0091	1.9939	1.9583	2.0180
N11	2.0193	1.9876	1.9672	2.0206
N12	2.0117	1.9901	1.9876	2.0193
N13	2.0168	2.0003	1.9418	2.0282
N14	2.0117	2.0688	1.9495	2.0193
N15	2.0142	1.9825	1.9736	2.0307
NA	1.9990	1.9888	1.9393	2.0155
NB	2.0066	1.9926	1.9672	2.0333
NC	2.0117	1.9850	1.9698	2.0244
ND	2.0066	1.9888	1.9622	2.0295
NE	2.0117	1.9837	1.9355	2.0257
NF	2.0091	1.9926	1.9380	2.0244

NG	2.0142	1.9914	1.9266	2.0320
NH	2.0091	1.9863	1.9355	2.0269
NI	2.0142	1.9977	1.9495	2.0409
NJ	2.0091	1.9926	1.9329	2.0028
NK	2.0142	1.9799	1.9406	2.0155
NL	2.0117	1.9876	1.9368	2.0130
NM	2.0117	1.9952	1.9977	2.0358
NN	2.0142	1.9964	1.9368	2.0142
NO	2.0091	1.9812	1.9456	2.0155
O1	2.0066	1.9952	1.9634	2.0142
O2	2.0041	2.0206	1.9825	2.0472
O3	2.0066	2.0218	1.9977	2.1019
O4	2.0066	2.0066	1.9812	2.0206
O5	2.0091	2.0168	1.9685	2.0307
O6	2.0015	2.0117	1.9736	2.0320
O7	2.0041	2.0066	2.0028	2.0511
O8	2.0091	2.0307	1.9507	2.0612
O9	1.9964	2.0003	1.9634	2.0409
O10	2.0015	1.9990	1.9609	2.0193
O11	2.0041	2.0218	1.9520	2.0358
O12	2.0066	1.9990	2.0015	2.0307
O13	2.0091	2.0028	1.9736	2.0257
O14	1.9964	2.0257	1.9583	2.0498
O15	2.0015	2.0257	1.9749	2.0485
OA	1.9990	2.0003	1.9939	2.0206
OB	2.0142	2.0066	2.0155	2.0447
OC	2.0041	2.0257	1.9825	2.0472
OD	2.0066	2.0117	1.9406	2.0180
OE	1.9964	2.0218	1.9774	2.0320
OF	2.0041	2.0066	1.9761	2.0218
OG	1.9990	1.9990	1.9761	2.0282
OH	1.9990	1.9990	1.9825	2.0180

OI	2.0066	1.9990	1.9685	2.0396
OJ	1.9964	2.0028	1.9672	2.0091
OK	2.0066	1.9977	1.9647	2.0384
OL	2.0041	1.9977	2.0053	2.0434
OM	1.9990	2.0041	1.9304	2.0485
ON	2.0066	2.0066	1.9914	2.0447
OO	1.9990	2.0269	1.9837	2.0460
P1	2.0244	1.9888	1.9749	2.0333
P2	2.0422	2.0244	1.9812	2.0447
P3	2.0345	2.0028	1.9926	2.0460
P4	2.0345	1.9977	1.9952	2.0345
P5	2.0244	2.0295	1.9787	2.0511
P6	2.0320	2.0295	1.9672	2.0409
P7	2.0193	1.9914	1.9634	2.0409
P8	2.0345	1.9964	1.9685	2.0447
P9	2.0218	2.0028	1.9914	2.0460
P10	2.0244	2.0066	1.9761	2.0333
P11	2.0218	2.0028	2.0028	2.0434
P12	2.0269	1.9990	1.9698	2.0358
P13	2.0371	2.0218	1.9736	2.0460
P14	2.0320	2.0282	1.9888	2.0485
P15	2.0218	2.0015	1.9634	2.0371
PA	2.0218	2.0015	1.9596	2.0320
PB	2.0244	2.0079	1.9901	2.0409
PC	2.0244	2.0066	2.0193	2.0511
PD	2.0244	1.9888	1.9837	2.0193
PE	2.0193	2.0371	1.9761	2.0536
PF	2.0193	1.9964	1.9609	2.0257
PG	2.0269	2.0307	1.9952	2.0676
PH	2.0244	2.0091	1.9749	2.0434
PI	2.0244	1.9825	1.9964	2.0396
PJ	2.0320	1.9990	1.9736	2.0358

PK	2.0218	1.9990	1.9533	2.0307
PL	2.0244	1.9901	1.9761	2.0231
PM	2.0295	2.0041	1.9634	2.0422
PN	2.0244	2.0053	1.9583	2.0396
PO	2.0244	2.0257	1.9672	2.0523
Q1	2.0041	2.0028	1.9723	2.0282
Q2	2.0041	2.0269	1.9672	2.0612
Q3	2.0041	2.0180	1.9799	2.0409
Q4	1.9990	2.0053	1.9825	2.0307
Q5	2.0066	2.0053	1.9774	2.0485
Q6	2.0066	2.0282	1.9672	2.0676
Q7	1.9964	2.0257	2.0099	2.0638
Q8	2.0015	2.0041	2.0218	2.0701
Q9	1.9990	2.0231	2.0104	2.0714
Q10	1.9964	2.0028	2.0003	2.0345
Q11	1.9990	2.0079	1.9723	2.0269
Q12	2.0041	2.0041	1.9863	2.0244
Q13	2.0015	2.0231	1.9876	2.0257
Q14	1.9990	2.0028	1.9850	2.0384
Q15	2.0015	2.0155	1.9482	2.0358
QA	2.0041	2.0218	2.0218	2.0295
QB	1.9964	2.0231	1.9495	2.0460
QC	2.0041	2.0015	1.9863	2.0180
QD	1.9990	1.9964	1.9710	2.0345
QE	2.0041	2.0244	1.9774	2.0485
QF	1.9990	1.9926	1.9825	2.0422
QG	2.0066	2.0104	1.9647	2.0396
QH	2.0041	1.9990	1.9901	2.0218
QI	2.0015	2.0041	1.9964	2.0460
QJ	2.0066	2.0295	1.9761	2.0511
QK	1.9990	2.0079	1.9863	2.0384
QL	2.0015	1.9977	1.9698	2.0307

QM	1.9990	2.0003	1.9850	2.0434
QN	1.9939	2.0231	1.9799	2.0536
QO	2.0041	1.9990	1.9558	2.0460
R1	2.0041	2.0003	1.9545	2.0206
R2	2.0015	1.9926	1.9355	2.0130
R3	2.0041	1.9939	1.9787	2.0371
R4	1.9964	1.9952	1.9342	2.0130
R5	1.9990	1.9850	1.9533	2.0180
R6	2.0142	1.9901	1.9685	2.0206
R7	1.9990	1.9812	1.9495	2.0117
R8	2.0015	1.9837	1.9634	2.0218
R9	2.0066	2.0193	1.9850	2.0485
R10	2.0015	1.9850	1.9622	2.0218
R11	2.0066	1.9863	1.9545	2.1234
R12	2.0015	1.9926	1.9456	2.0231
R13	2.0066	1.9952	1.9393	2.0384
R14	2.0066	1.9837	1.9749	2.0307
R15	2.0091	1.9799	1.9444	2.0257
RA	2.0091	1.9888	1.9939	2.0422
RB	2.0041	1.9914	1.9723	2.0472
RC	2.0066	1.9939	1.9685	2.0180
RD	2.0041	1.9850	1.9888	2.0218
RE	2.0117	1.9901	1.9507	2.0345
RF	2.0041	1.9876	1.9698	2.0231
RG	2.0066	1.9914	1.9761	2.0320
RH	2.0015	1.9914	2.0079	2.0434
RI	2.0041	1.9914	1.9698	2.0231
RJ	1.9939	1.9926	2.0333	2.0714
RK	1.9990	1.9850	1.9799	2.0345
RL	2.0015	1.9825	2.0307	2.0612
RM	1.9990	1.9952	1.9926	2.0371
RN	2.0066	1.9939	1.9571	2.0244

RO	2.0015	2.0028	2.0130	2.0536
S1	2.0091	1.9914	2.0206	2.0599
S2	2.0142	1.9977	2.0587	2.0815
S3	2.0066	1.9939	1.9622	2.0282
S4	2.0091	1.9952	2.0193	2.0612
S5	2.0041	1.9837	1.9596	2.0218
S6	2.0066	2.0041	1.9126	2.0333
S7	2.0117	2.0053	1.9152	2.0282
S8	2.0091	1.9850	1.9418	2.0193
S9	2.0142	1.9825	2.0307	2.0765
S10	2.0066	1.9926	1.9723	2.0307
S11	2.0066	1.9850	1.9774	2.0384
S12	2.0091	2.0003	1.9787	2.0422
S13	2.0117	1.9977	2.0079	2.0307
S14	2.0117	1.9914	1.9863	2.0384
S15	2.0142	1.9952	2.0180	2.0739
SA	2.0091	1.9901	1.9444	2.0320
SB	2.0041	1.9939	1.9672	2.0295
SC	2.0066	1.9914	1.9609	2.0345
SD	2.0066	1.9825	1.9749	2.0422
SE	2.0041	1.9952	1.9914	2.0320
SF	2.0091	1.9850	1.9609	2.0447
SG	2.0091	1.9964	1.9863	2.0434
SH	2.0091	1.9825	1.9888	2.0307
SI	2.0066	2.0015	1.9761	2.0396
SJ	2.0066	1.9837	1.9990	2.0498
SK	2.0117	1.9977	1.9926	2.0536
SL	2.0091	1.9888	2.0130	2.0574
SM	2.0066	1.9939	1.9583	2.0561
SN	2.0117	2.0015	1.9545	2.0384
SO	2.0066	1.9952	2.0041	2.0485
T1	2.0066	1.9825	2.0104	2.0295

T2	2.0015	2.0028	1.9596	2.0396
T3	2.0066	2.0168	1.9736	2.0574
T4	2.0041	1.9977	1.9685	2.0244
T5	2.0066	2.0053	1.9723	2.0358
T6	2.0041	1.9634	1.9749	2.0358
T7	2.0066	1.9964	2.0028	2.0930
T8	2.0015	2.0193	1.9329	2.0612
T9	2.0066	2.0041	1.9825	2.0384
T10	2.0066	1.9609	1.9837	2.0409
T11	2.0066	2.0053	1.9723	2.0371
T12	2.0066	1.9939	1.9990	2.0320
T13	2.0066	1.9850	1.9634	2.0320
T14	2.0041	2.0079	1.9939	2.0485
T15	2.0015	2.0130	1.9837	2.0460
TA	1.9990	1.9850	1.9888	2.0371
TB	1.9964	2.0104	1.9456	2.0561
TC	2.0015	1.9901	1.9647	2.0409
TD	2.0066	2.0168	1.9698	2.0485
TE	2.0066	1.9901	2.0282	2.0676
TF	2.0091	2.0180	1.9583	2.0409
TG	2.0041	2.0142	1.9876	2.0701
TH	2.0091	1.9901	1.9685	2.0409
TI	2.0091	1.9876	1.9583	2.0498
TJ	1.9990	2.0003	1.9647	2.0295
TK	2.0015	2.0053	1.9952	2.0536
TL	2.0066	1.9926	1.9799	2.0333
TM	2.0066	1.9901	1.9888	2.0434
TN	2.0066	1.9926	1.9990	2.0523
TO	2.0041	1.9876	1.9749	2.0358
U1	2.0117	1.9850	1.9545	2.0371
U2	2.0091	1.9787	1.9736	2.0257
U3	2.0117	1.9837	1.9977	2.0409

U4	2.0142	1.9761	2.0015	2.0384
U5	2.0091	1.9812	1.9380	2.0142
U6	2.0117	1.9850	1.9952	2.0333
U7	2.0142	1.9914	1.9952	2.0282
U8	2.0066	2.0193	1.9761	2.0485
U9	2.0015	1.9812	1.9672	2.0409
U10	2.0091	1.9837	1.9698	2.0422
U11	2.0091	1.9850	2.0003	2.0422
U12	2.0117	1.9876	1.9622	2.0384
U13	2.0091	1.9863	1.9710	2.0295
U14	2.0066	1.9888	1.9126	2.0345
U15	2.0091	1.9850	1.9837	2.0371
UA	2.0066	1.9850	1.9723	2.0345
UB	2.0041	1.9837	1.9812	2.0358
UC	2.0041	1.9876	1.9964	2.0638
UD	2.0117	1.9787	1.9634	2.0396
UE	2.0066	1.9799	1.9545	2.0498
UF	2.0117	1.9749	2.0130	2.0511
UG	2.0091	1.9825	1.9622	2.0472
UH	2.0066	1.9825	1.9279	2.0295
UI	2.0117	1.9812	1.9495	2.0269
UJ	2.0091	1.9787	1.9964	2.0384
UK	2.0091	1.9774	1.9317	2.0257
UL	2.0091	1.9761	1.9850	2.0358
UM	2.0066	1.9825	1.9736	2.0422
UN	2.0142	1.9837	2.0003	2.0396
UO	2.0066	1.9863	1.9863	2.0511

<u>Notes</u>		Bundle	Fusing Dates	Bending Dates		Bending Class	
1/15/2014	All Bundles completed polishing	1	Dec-Jan 2014	Dec-Jan 2014		SG	untouched, sent straight from Saint Gobai
1/13/2014	Changed to aluminum rod	2	Dec-Jan 2014	Dec-Jan 2014		C	Rough Cut
4/21/2014	Unpainted fibers	3	Dec-Jan 2014	Dec-Jan 2014		S	Straightened
		4	Dec-Jan 2014	Dec-Jan 2014		P	Polished
		5	Dec-Jan 2014	Dec-Jan 2014		B	Bent
		6	Dec-Jan 2014	Dec-Jan 2014		P	Painted until the large bend
		7	Dec-Jan 2014	Dec-Jan 2014		P'	Painted until the chimney
		8	Dec-Jan 2014	Dec-Jan 2014		U	Unpainted - paint removed via wet cloth
		9	Dec-Jan 2014	2/4/2014		G	Glued together
		10	Dec-Jan 2014	Feb 2014			
		11	Dec-Jan 2014	3/20/2014			
		12	Dec-Jan 2014	3/25/2014			
		13	Dec-Jan 2014	March 2014			
		14	Dec-Jan 2014	4/9/2014			
		15	Dec-Jan 2014	4/11/2014			
		16	4/7/2014	4/15/2014			
		17	1/27/2014	4/1/2014			
		18	1/28/2014	4/7/2014			
		19	2/3/2014	4/17/2014			
		20	3/13/2014	5/21/2014			
		21	3/25/2014	6/5/2014			