Characterization Data Requirements for Color Management

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Abstract

This paper discusses the relationship between color management and press characterization. In particular, the discussion focuses on center point and variation data obtained from printing 3 press runs of common control element and Extended IT8.7/3 patches. Experimental results show the effect that sampling has on press characterization data. The need for accurate center point and tolerance data is explained. Numerical results for all 928 test patches of the IT8.7/3 target are included.

Introduction

The need for characterization data in the printing and publishing industry is a result of attempts to digitize a craft intensive analog process. Color experts have learned from years of experience that no two images are going to perfectly match, but they have also learned to minimize the differences to achieve as good a match as possible. Consider the differences between "analog" and "digital" printing systems. In an analog printing system, a color expert steers the process according his or her perception of the image content based on experience (Siljander, 1999). Color management and quality are centralized at the color expert controlling the process. A digital imaging system, on the other hand, is decentralized (Hutcheson, 2000). Several computers rely entirely on discrete data from several different sources. What is a computer to do when data sets do not precisely match? What is the level of acceptability? A computer needs to explicitly know 1) what the target is and 2) how close is good enough. Thus, characterization data for use in color management are required to have 2 parts: 1) targets and 2) tolerances.

In the United States, color offset publication printing is characterized by a data set derived from joint actions between SWOP Inc., Specifications for Web Offset Publications, and ANSI CGATS, the American National Standards Institute Committee for Graphic Arts Technology Specifications. The standard for characterizing color offset publication printing is ANSI CGATS .6 Type 1 Printing. Press run details and raw data collected for ANSI CGATS .6 were summarized in the technical report, ANSI CGATS TR 001. Appendix A

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provides additional information concerning the background and the evolution of offset publication standards.

While TR 001 is not a standards document, SWOP Inc. has indicated that "When color management is employed, the characterization data in ANSI CGATS TR 001 must be used as the aim point" (SWOP, 1998). The statement as written establishes the values in TR 001 as a defacto standard characterization for digital output relating to offset publication printing. Data in TR 001 summarizes aim points, but no tolerances about these aim points are given and SWOP Inc. provides no guidelines. Tolerances are needed such that a judgement based on empirical data can be made. Consider the following analogy.

Many people arrange for a routine health check up or see a physician when needed. The health care professional executes a series of tests to check vital points that indicate the state of their health. Such tests may include heart beat, cholesterol level or blood work ups. Samples are taken from them and analyzed to obtain a series of numbers that characterize the state of their health or health problem. An analysis sheet with results is returned with the data determined. What if the tests were run to order, the analysis run to specifications but the test results only indicated the values derived and aim points, but no tolerances? For example, how would a patient or physician know if someone was healthy if the value given for blood fats, Triglycerides, was stated as 130 and the only data available was an average value of 160? Were the tolerances for Triglycerides +/- 100, those with a determined value of 130 would know everything was ok. For those with values of 130 and tolerances of +/- 10, there is cause to worry.

Likewise in the Printing and Publishing Industry, TR 001 is a set of aim points derived from a very specific set of inputs. SWOP Inc. has indicated that TR 001 must be used as the target for color management. But since TR 001 does not contain any information regarding the distribution of values used to derive the aim points and since SWOP Inc. has not offered any guidelines, the industry is left on its own to judge when color management has achieved its goal.

The result of tolerance data omission has been chaos as observed in the literature where there are many documented instances of difficulty reproducing color or density within a given sheet or between press runs. Examples are the deviations in data seen in SWOP Certified Press Proofs as documented by Fisch and Bartels (Fisch, 1999), or, differences between CMY patches documented by the CGATS Executive Committee (NPES, 2000). Similar difficulties have been encountered in attempts to characterize press sheets run according to GRACoL guidelines (Leyda, 1999). At least 4 additional press runs have been made to produce SWOP Certified Press Sheets using the same films used for CGATS .6. All of these duplicated the process control bar values of the seminal run but failed to duplicate the values of the 928 patches as listed in TR 001.

Problems arise when control elements, usually placed on the perimeter of a printed piece, do not predict behavior of identical patches in the interior of the same piece. This is likely the root cause of the inability to duplicate TR 001 and GRACoL characterizations. To explore the extent of the problems associated with replicating characterization data from different press runs, 3 press runs were designed to quantify within and between press run uniformity. Experimental results and conclusions are presented in the body of this paper. The press runs are described in Appendix B. Center point and tolerance data from these press runs are presented in Appendix C.

Sources of Variation

The hypothesis is that in an image that only exhibits random noise, control elements may be placed anywhere in the image and control element measurements will adequately predict image content. However, most imaging devices have some level of spatial and temporal dependent variation and control elements are not necessarily indicative of image content. For the purposes of discussing different aspects of variability, the following sources of variation have been defined:

- Within Press Sheet Variability: This variability is a combination of random noise with across sheet and down sheet variations. Within sheet variability is typically spatial in nature meaning that various locations produce varying results. Using a surface response profile, across and down sheet variability can be illustrated visually. Replicated sampling has minimized the effect of random noise throughout the results presented in this paper.

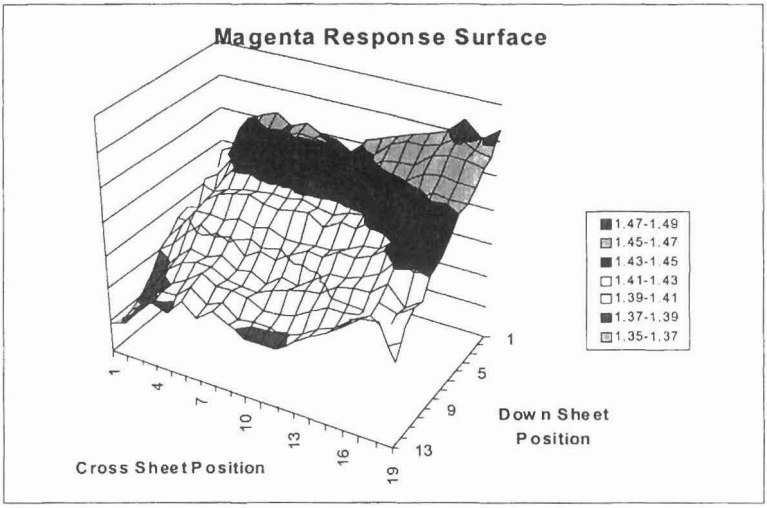
- Within Press Run Variability: Within press run variations are the combination of all within sheet variations with all between sheet variations. Sheet to Sheet variations are more temporal in nature and more pronounced in long press runs. Borrowing from the Quality Control arena, control charts are used to present within run variations and the relationship between the sources of variation.

- Press Run to Press Run Variability: Since there are many factors affecting variations between press runs, Press Run to Press Run variability is generally more convoluted. Variables like ink, press and paper are just a few of the convoluting factors. Using the same press, plate materials, and operating crew helped minimize the combined uncertainty of the test results presented in this paper compared to the TR 001 characterization.

Experimental Results

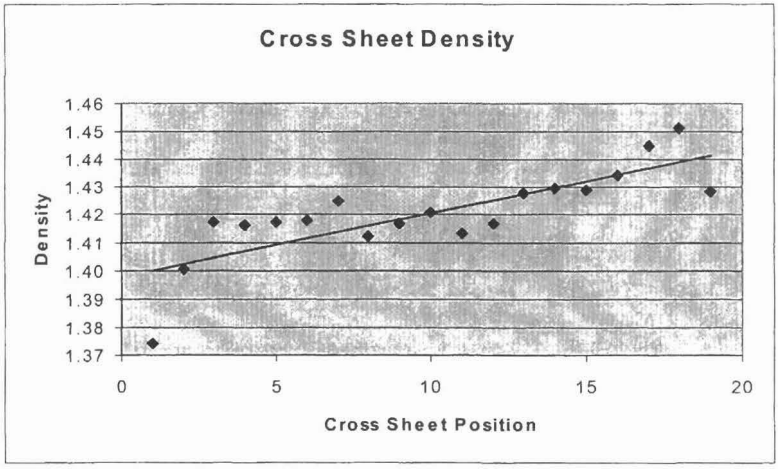
Within Press Sheet Variability

In graph 1, data from the Randomized Control Element image, press run #1, shows what the average press sheet surface profile looks like.

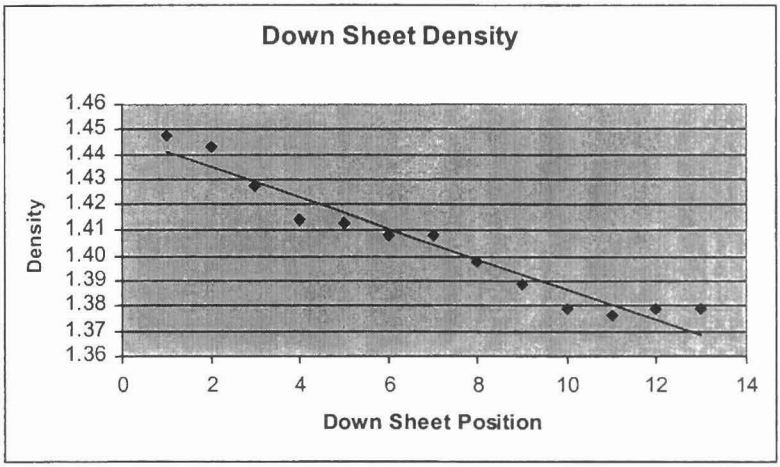


Graph 1. Response surface profile for solid magenta. The axes labels start at the leading and left edge of the sheet.

The result of breaking the profile into cross and down sheet components is presented in graphs 2 and 3.



Graph 2. Cross sheet variation for solid magenta. Position #1 corresponds to the left edge of the image.

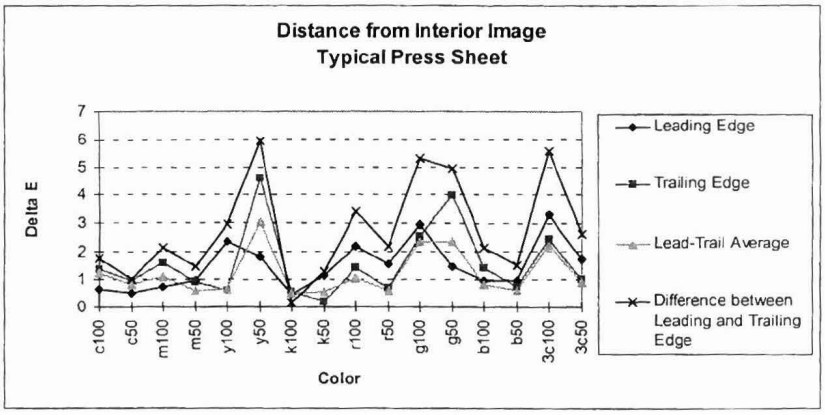


Graph 3. Down sheet variations for solid magenta. Position #1 corresponds to the leading edge of the image.

Notice that both cross and down sheet profiles exhibit trends. These profiles are typical effects of ink key balance (cross sheet) and ink starvation (down sheet) and are expected. The density difference of 0.065 for solid magenta between the leading and trailing edge as shown in graph 3 corresponds to a color difference of slightly more than 2 delta E.

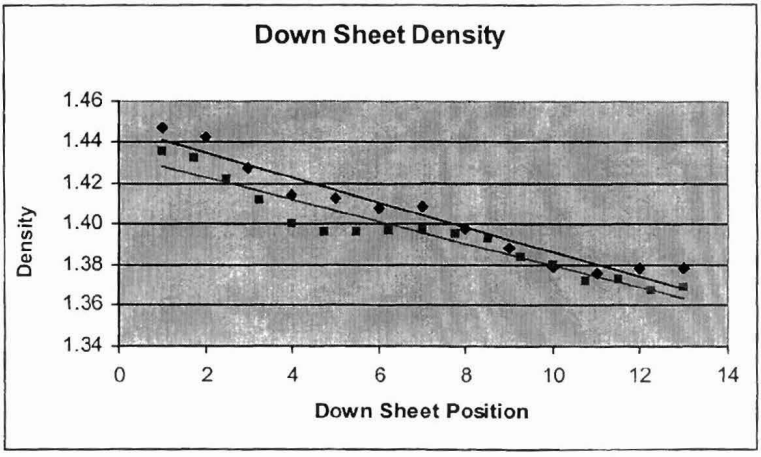
The cross sheet profile is generally dealt with by replicating a control element across the leading and/or trailing edge of the image. The down sheet profile is generally not dealt with. In particular, the SWOP Press Proof image does not have a target to deal with down sheet variation.

These profiles cause differences between perimeter and interior data distributions as shown in graph 4.



Graph 4. This graph shows the difference between leading or trailing edge measurements and interior measurements as well as the difference between the leading and trailing edges of the press sheet.

Randomized control elements from the first and second press runs were used to verify profile repeatability from run to run. Chart 5 shows this comparison for the down sheet profile.



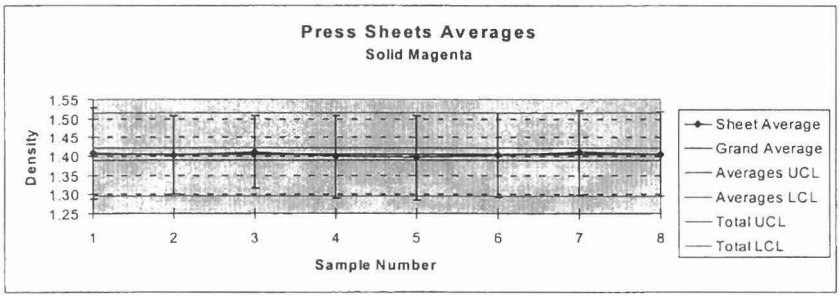
Graph 5. Down sheet variations for solid magenta compared between press runs 1 and 2.

Since both runs exhibit similar trends, we can reason that this profile will be similar for most press runs. However, since these 2 press runs were sequential and the only input that changed was the plate, verification of this hypothesis is necessary. Most likely, the slope of the down sheet trend is related to ink

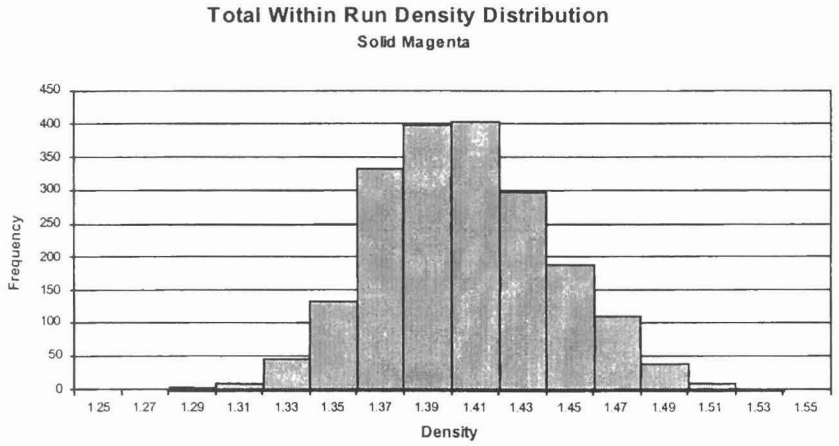
properties and larger differences will be observed when different inks are used. Also notice that the bumps and curves in both profiles are similar. This effect is a function of the ink train.

Within Press Run Variability

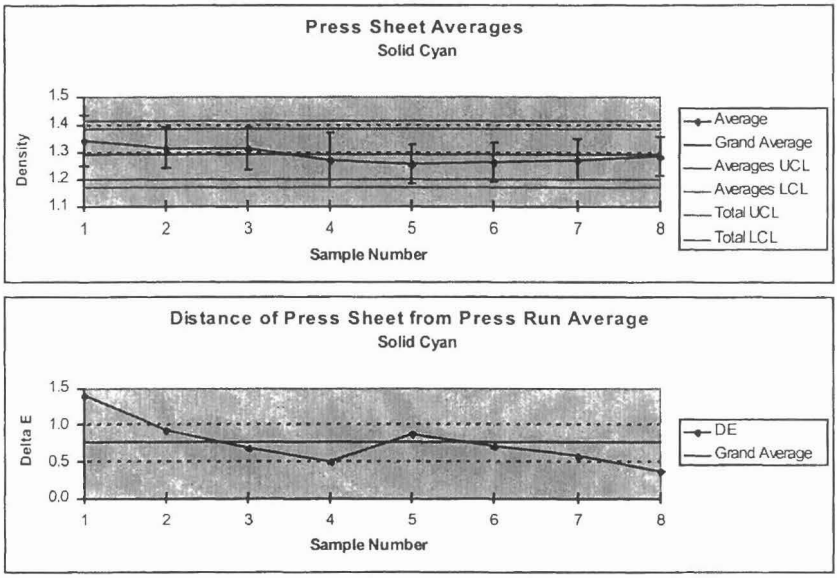
Total within Press Run variability is the combination of sheet to sheet deviations and within sheet variations. Graphs 6 and 7 shows solid magenta – a case where sheet to sheet differences are very small. Graph 8 shows solid cyan – a case where sheet to sheet deviation is much larger.



Graph 6. Control chart of sheet average for solid magenta density. Values for upper control limits (UCL) and lower control limits (LCL) are set at +/- 3 standard deviations. Error bars indicate the range of data within each sheet. In this case, within sheet variability is very large while sheet to sheet variations are relatively small.



Graph 7. Total within press run variations for solid magenta density in the form of a histogram. This histogram may be considered as an end-on view of the control chart above.



Graph 8. In the case of solid cyan, these control charts illustrate sheet to sheet deviations that are larger than the within sheet variations. Notice that total density variability is approximately the same for solid magenta and solid cyan.

Press Run to Press Run Variability

Table 1 shows the difference between control element density data from the sequential press runs #1 and #2. Different plates were used, but the runs were otherwise setup the same. Table 2 shows colorimetric results from the same 2 press runs and includes overprint colors. The only statistically significant differences are those for solid black.

Density Difference

Tint	Cyan	Magenta	Yellow	Black
Solid	0.0036	0.0068	0.0130	0.0636
50%	0.0037	0.0021	0.0033	0.0009

Table 1. This table shows the difference in major filter density between 2 press runs for primary color.

Color Difference (Delta E*)								
Tint	**Cyn**	**Mag**	**Yel**	**Black**	**Red**	**Green**	**Blue**	**Gry**
Solid	0.38	0.38	0.62	1.81	0.48	0.87	0.50	0.75
50%	0.61	0.74	1.07	0.30	1.05	0.67	0.58	0.52

Table 2. This table shows the color difference in terms of Delta E* between 2 press runs for primary, secondary and tertiary color.

Larger differences are expected between runs that are separated in time or use different inputs, i. e., press, ink or paper, than were observed in the press runs presented here. For example, a different lot of ink with slightly different rheological properties would exhibit a different down sheet profile. Since presses are typically setup using control elements along the leading edge of the sheet, the interior or down sheet image area of the 2 runs would be different even though data from the leading edge was the same. This effect is probably a major contributing factor to the difficulties reproducing TR 001 data.

Conclusion

The aim of color management is accurate and consistent simulation of printing press color using different imaging devices. In other words, color management strives for the quality simulation of an imaging device using a different imaging device. Explicitly, a quality simulation requires targets and a statement of required accuracy or tolerances. Implicitly, a quality simulation requires that targets and tolerances themselves be representative of the printing press color. The experimental results presented here show how previous characterizations failed the industry.

Without adequate sampling, characterization targets are biased and tolerances are unknown or underestimated. In the cases presented earlier, almost no press sheets had all data within SWOP or CGATS specifications. Measured density depended on patch location. Sheet to sheet variations were as large as within sheet variations for some colors. These variations impose a requirement for substantial sampling of not only sheet to sheet variations, but also within sheet variations.

Without tolerances, characterization data has little value in color management. Tolerances provide the means to make a quality judgement about the output of a color managed system. Without tolerances, color management is chaos.

Biased targets and the omission of tolerances are both present in the TR 001 characterization. The TR 001 characterization is based on sampling a single point in each sheet for each color. The press sheet from which TR 001 data is collected only contains 1 basic and 1 extended IT8 element. When the data from colors replicated between the basic and extended elements are compared, the values differ largely (Fisch, 1999) (NPES, 2000). For these reasons, the unbiased center points and variability data collected from the press runs

presented here are included to be used in place of or in conjunction with TR 001.

The analysis of 3 press runs presented in this paper show that press run variations are large and have significant effect on both targets and tolerances and that only after sampling all press run variables does a characterization converge on the numerical color of the targeted printing conditions.

Appendix A

Background, Related Standards, Web Offset Publication Printing

ANSI CGATS and SWOP Inc. joined efforts to produce an official standard for offset publication printing: ANSI CGATS .6 Type 1 Printing. The CGATS-SWOP press run used Textweb substrate, which conforms to ISO 12647 -2 Type 3 Paper Specifications. Printing inks conformed to ISO 2846 - 1. ISO TC 30 2847 images were reproduced. When finally analyzed their work produced ANSI CGATS .6. Some of the printed images from that run that were subsequently measured and approved for sale as SWOP Certified Press Sheets.

A companion technical report, TR 001 was written to describe the process used to obtain some of the computed values derived from CGATS.6 raw data. The values obtained for the IT8.7/3 Basic and Extended Color sets were designated by SWOP Inc. as aim points for color managed output.

Since that time, at least three other press runs were made using the same press with paper and ink conforming to CGATS .6. The GATF Process Control Bars used for these press runs indicated that they were statistically within control limits of the Yellow, Magenta, Cyan, and Black ink solid densities called for in CGATS.6. However, the claim is that none of the press runs reproduced the same IT8.7/3 color set values described in TR001. Due to the omission of tolerances from TR 001, making a judgment with any level of certainty about the level of reproduction is difficult.

Appendix B
Information Concerning Printing The Test Target

To be consistent with prior work described in Appendix A, data presented in this paper were collected from press runs designed to replicate the previous conditions. Sixty pound Textweb paper (ISO 2647-2), ISO 2846 – 1 inks and IT8.7/3 inputs were used. The press was setup according to CGATS and SWOP specifications. In addition, like prior work, analog means were used to produce the printing plates used; film was exposed using an imagesetter; and plates were exposed by contact exposure. The same printer, Phototype, was hired for these press runs as was hired to print the sheets that resulted in CGATS.6, TR 001, and the additional three runs of replacement Certified SWOP Press Sheets.

The data presented in this paper were collected from 3 press tests run sequentially. The 1st run consisted of 272 impressions of the Randomized Block Control Element Image (RBCE) shown in figure B1. The RBCE image contained 247 cells as shown in figure B2. Each cell contained 16 randomly placed patches of the colors CMYKRGB and 3 color gray in solid and 50% tints. In total, the RBCE image contained 3952 patches. The purpose of this run was to quantify within press sheet and within press run variation. This press run was setup numerically to CGATS specified solid ink densities and mid-tone dot gain. Dot gain was balanced to within a couple percent.

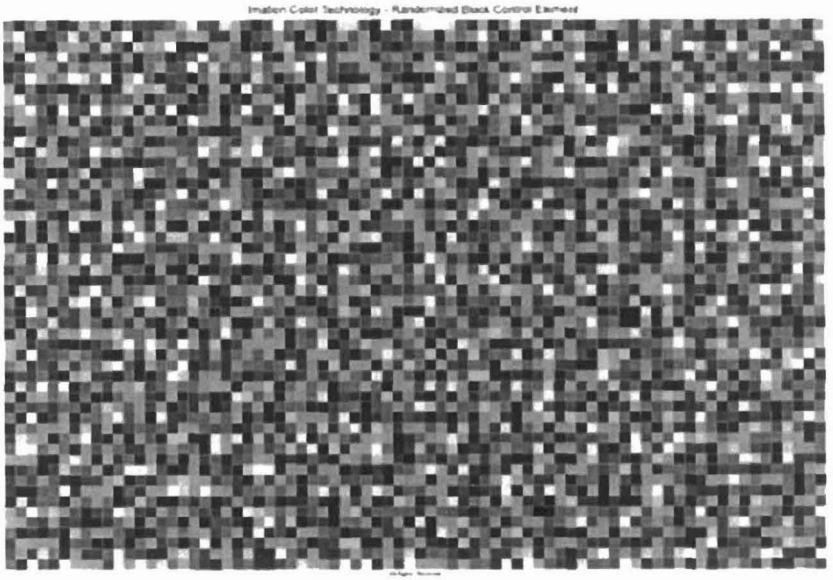


Figure B1. The Randomized Block Control Element test image.

Rows \ Columns	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
2	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
3	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
4	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
5	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
6	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114
7	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133
8	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152
9	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171
10	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190
11	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209
12	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228
13	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247

Figure B2. The RBCE image consists of 247 cells each of which containing 16 uniquely randomized patches.

The 2nd press run consisted of 198 impressions of the Randomized Block IT8.7/3 Image (RBIT8) shown in figure B3. As shown in figure B4, this image contained 66 randomized control elements on the perimeter and 4 randomizations of the IT8.7/3 target in the interior. The RBIT8 image contained 4896 patches. In addition to the quantification of within run variations, this run was also intended to provide an indication of between run variation as well as tolerances for the TR 001 data set. With the exception of the plate change, press run 2 was setup the same as the 1st press run.

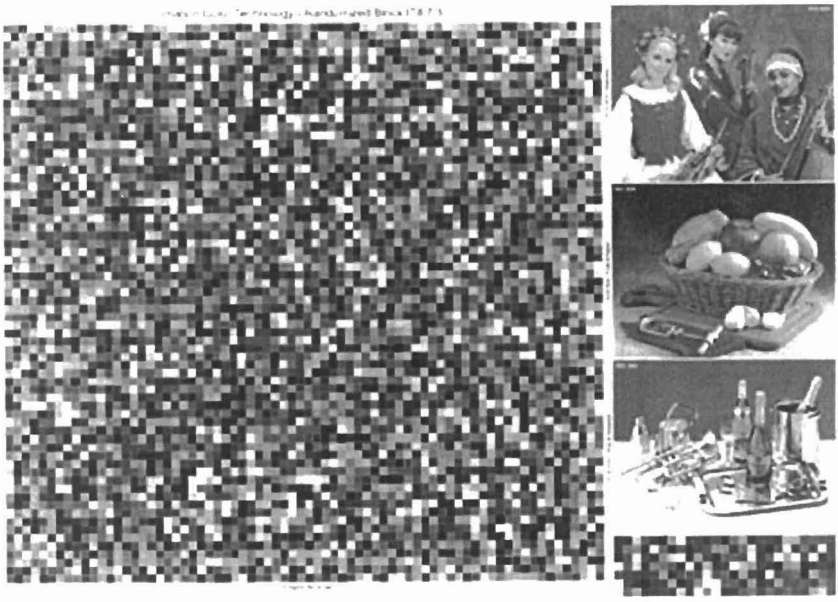


Figure B3. The Randomized Block IT8 image. Pictorials are the ISO N3A (Fruits and Basket), N4A (Wine and Tableware) and N7A (Musicians) images.

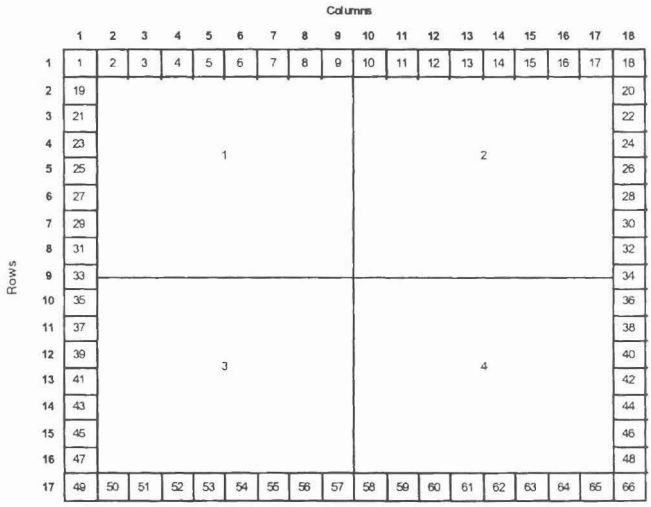


Figure B4. The RBIT8 image is affectionately called by the authors a "Pizza." The control element border around the edge of the Pizza is the "Crust" and the IT8 innards, the "Heart."

The 3rd press run consisted of 211 impressions of the same image used for the 2nd press run. The difference between the 2nd and 3rd press runs was that the third was setup visually to a Matchprint™ proof. This press run was used to verify within run variations.

Not shown in the illustrations above are the process controls tools used for all three runs. These tools included the GATF SWOP Process Control Bars, SWOP Neutral Gray Balance patches and press control bars.

Eleven sheets were uniformly sampled from each press run providing 10 equally spaced intervals. From the 1st run, for example, every 27th sheet starting with the first was measured. Due to experimental mortality, some press sheets were not included in the final analysis.

The same measurement system, Gretag SPM and XY table, used to establish the ISO, CGATS and other Standards color printing process characterizations was used for all three press runs. The sheets as specified in ANSI TC42 5/4 were backed by a black matte surface. The output was analyzed using the protocol for measuring color images ANSI CGATS .5. The data accumulated from each press run were analyzed for within run and run to run agreement as described in the main body of this paper. These data were used to determine unbiased targets and tolerances for the TR 001 data set.

Appendix C - Targets and Tolerances for TR 001

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
1	0A01	100	0	0	0	54.21	-37.78	-40.50	2.17	1.23	1.27
2	0A02	0	100	0	0	45.27	69.34	-0.74	1.95	2.28	0.94
3	0A03	0	0	100	0	81.28	-5.12	78.23	4.10	0.26	3.72
4	0A04	100	100	0	0	24.26	18.29	-41.25	1.23	1.31	1.09
5	0A05	100	0	100	0	50.20	-61.45	20.55	1.38	1.70	1.79
6	0A06	0	100	100	0	44.92	64.51	37.78	1.94	2.27	1.82
7	0A07	100	100	100	0	23.27	0.41	-7.17	1.23	1.37	1.70
8	0A08	70	70	0	0	37.83	13.90	-30.69	2.30	0.76	1.18
9	0A09	70	0	70	0	59.62	-38.83	16.66	1.53	1.17	1.90
10	0A10	0	70	70	0	54.40	45.34	32.81	2.00	1.67	1.42
11	0A11	40	40	0	0	55.52	9.17	-19.70	1.94	0.80	0.83
12	0A12	0	40	40	0	66.38	25.50	22.57	2.64	1.17	1.20
13	0A13	40	40	40	0	54.47	4.26	4.18	2.21	0.93	1.07
14	0B01	40	0	40	0	70.32	-22.18	11.42	1.69	1.34	1.16
15	0B02	20	20	0	0	69.83	5.02	-10.07	1.80	0.59	0.91
16	0B03	20	0	20	0	77.15	-11.31	7.25	3.56	0.78	1.13
17	0B04	0	20	20	0	75.94	12.44	14.10	2.78	0.78	1.17
18	0B05	100	0	0	100	14.68	-9.23	-8.49	0.91	0.59	0.48
19	0B06	0	100	0	100	11.60	16.81	1.00	0.92	0.85	0.21
20	0B07	0	0	100	100	19.61	-1.73	12.67	1.14	0.12	0.82
21	0B08	100	100	0	100	7.93	5.89	-7.76	0.88	0.50	0.53
22	0B09	100	0	100	100	14.87	-13.19	4.54	0.46	0.44	0.34
23	0B10	0	100	100	100	12.12	12.55	6.54	0.76	0.65	0.46
24	0B11	100	100	100	100	9.03	0.90	-0.11	0.98	0.43	0.44
25	0B12	0	0	0	100	19.56	0.90	2.13	1.02	0.10	0.23
26	0B13	0	0	0	0	87.29	-0.28	3.55	3.23	0.30	0.67
27	0C01	90	0	0	0	56.30	-35.37	-37.94	2.09	1.13	1.05
28	0C02	80	0	0	0	59.56	-31.43	-34.26	1.99	1.22	1.18
29	0C03	70	0	0	0	62.88	-27.28	-29.65	1.83	0.95	0.76
30	0C04	60	0	0	0	66.16	-23.59	-25.56	1.65	1.00	0.68
31	0C05	50	0	0	0	68.43	-20.56	-21.94	2.38	1.33	1.06
32	0C06	40	0	0	0	72.12	-16.78	-17.29	2.29	1.26	0.97
33	0C07	30	0	0	0	75.13	-12.58	-12.42	3.49	0.93	0.80
34	0C08	25	0	0	0	77.82	-10.79	-9.92	1.95	0.87	0.71
35	0C09	20	0	0	0	78.98	-8.90	-7.46	3.09	0.71	0.69
36	0C10	15	0	0	0	81.26	-7.32	-5.41	1.94	0.64	0.61
37	0C11	10	0	0	0	82.89	-5.60	-3.07	2.37	0.62	0.69
38	0C12	7	0	0	0	82.51	-4.53	-1.64	4.19	0.49	0.69
39	0C13	3	0	0	0	84.53	-3.02	0.36	3.91	0.46	0.66
40	0D01	0	90	0	0	47.35	65.52	-1.17	1.86	2.22	0.62
41	0D02	0	80	0	0	51.80	56.47	-2.18	2.29	2.20	0.69
42	0D03	0	70	0	0	55.89	49.95	-2.16	1.47	1.44	0.48
43	0D04	0	60	0	0	59.81	42.69	-2.25	1.67	1.45	0.50
44	0D05	0	50	0	0	63.69	35.58	-2.02	1.91	1.42	0.52
45	0D06	0	40	0	0	67.15	28.06	-1.54	3.12	1.44	0.54
46	0D07	0	30	0	0	71.87	21.19	-0.80	3.07	1.23	0.61
47	0D08	0	25	0	0	74.12	16.92	-0.15	3.73	0.98	0.57

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
48	0D09	0	20	0	0	76.96	14.29	0.39	3.07	0.88	0.58
49	0D10	0	15	0	0	78.71	11.34	0.81	2.98	0.65	0.66
50	0D11	0	10	0	0	80.83	8.23	1.38	3.45	0.59	0.63
51	0D12	0	7	0	0	81.88	6.43	1.66	3.51	0.58	0.68
52	0D13	0	3	0	0	83.73	4.05	2.25	3.86	0.44	0.70
53	0E01	0	0	90	0	82.70	-5.13	70.84	3.12	0.32	2.78
54	0E02	0	0	80	0	83.37	-4.68	63.05	2.53	0.32	2.57
55	0E03	0	0	70	0	82.98	-4.46	53.82	3.69	0.31	2.51
56	0E04	0	0	60	0	84.66	-4.07	47.72	1.75	0.26	1.79
57	0E05	0	0	50	0	84.66	-3.82	40.08	2.23	0.34	1.59
58	0E06	0	0	40	0	85.23	-3.41	32.91	2.77	0.27	1.43
59	0E07	0	0	30	0	85.66	-2.77	25.74	2.45	0.30	1.16
60	0E08	0	0	25	0	85.48	-2.49	22.09	3.31	0.30	1.23
61	0E09	0	0	20	0	85.74	-2.16	18.47	3.39	0.27	1.06
62	0E10	0	0	15	0	87.03	-1.77	15.66	1.65	0.28	0.70
63	0E11	0	0	10	0	86.61	-1.49	12.08	3.13	0.28	0.77
64	0E12	0	0	7	0	88.03	-1.18	10.26	0.76	0.22	0.49
65	0E13	0	0	3	0	86.64	-0.90	7.44	3.51	0.31	0.89
66	0F01	0	0	0	90	25.05	0.55	1.66	1.58	0.13	0.29
67	0F02	0	0	0	80	34.49	0.11	1.20	1.82	0.13	0.28
68	0F03	0	0	0	70	41.35	-0.09	1.04	2.23	0.15	0.33
69	0F04	0	0	0	60	47.16	-0.30	1.00	3.06	0.17	0.39
70	0F05	0	0	0	50	53.97	-0.32	1.27	2.71	0.19	0.41
71	0F06	0	0	0	40	60.49	-0.37	1.53	2.42	0.20	0.42
72	0F07	0	0	0	30	67.10	-0.47	1.80	2.60	0.21	0.49
73	0F08	0	0	0	25	70.72	-0.40	2.14	2.14	0.21	0.43
74	0F09	0	0	0	20	73.11	-0.47	2.23	3.17	0.24	0.58
75	0F10	0	0	0	15	76.07	-0.47	2.43	2.88	0.23	0.54
76	0F11	0	0	0	10	79.25	-0.43	2.71	2.37	0.25	0.57
77	0F12	0	0	0	7	80.63	-0.41	2.91	3.40	0.28	0.63
78	0F13	0	0	0	3	82.85	-0.40	3.02	3.28	0.31	0.68
79	0G01	40	100	0	0	35.01	49.17	-19.74	1.78	1.74	0.81
80	0G02	40	100	40	0	35.78	44.69	-3.01	1.19	1.43	1.06
81	0G03	0	100	40	0	45.34	66.87	16.47	1.60	1.96	0.73
82	0G04	40	100	100	0	34.69	40.83	16.64	1.80	1.69	1.74
83	0G05	0	40	100	0	64.70	23.24	58.48	2.81	1.35	2.78
84	0G06	40	40	100	0	52.95	0.75	35.19	1.75	0.68	1.76
85	0G07	70	70	70	0	36.83	4.59	1.28	1.78	0.73	1.42
86	0G08	40	0	100	0	67.92	-25.72	52.60	1.78	1.26	2.57
87	0G09	100	40	100	0	39.64	-38.27	10.64	0.79	1.05	1.56
88	0G10	100	0	40	0	52.33	-50.19	-14.49	1.66	1.31	1.17
89	0G11	100	40	40	0	40.12	-27.95	-18.18	1.99	1.10	1.60
90	0G12	100	40	0	0	41.99	-16.65	-39.92	1.47	0.73	0.95
91	0G13	100	100	40	0	24.02	8.68	-25.07	0.64	1.09	1.35
92	0H01	70	100	20	0	29.18	30.24	-23.03	1.40	1.00	1.23
93	0H02	20	70	20	0	49.68	36.39	-1.38	1.94	1.27	0.68
94	0H03	20	70	40	0	49.68	35.22	8.63	1.51	1.17	0.93

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
95	0H04	20	100	70	0	39.85	54.08	16.27	1.24	1.50	1.12
96	0H05	20	70	70	0	48.88	33.25	22.77	1.64	1.38	1.30
97	0H06	20	70	100	0	48.66	32.54	35.30	1.50	1.12	1.86
98	0H07	20	20	70	0	66.65	-0.89	35.69	2.82	0.65	2.14
99	0H08	70	20	100	0	51.65	-28.97	28.20	1.95	1.07	1.58
100	0H09	70	20	70	0	51.94	-26.69	11.62	2.28	1.19	2.39
101	0H10	100	20	70	0	45.50	-45.19	-0.02	1.13	0.98	1.33
102	0H11	70	20	20	0	53.96	-19.46	-17.26	2.32	0.99	0.63
103	0H12	100	70	20	0	32.98	-6.16	-30.17	0.63	0.76	0.82
104	0H13	70	70	20	0	37.44	10.84	-21.42	1.26	0.92	0.95
105	0I01	70	100	70	0	28.88	24.82	-5.04	0.97	0.84	1.53
106	0I02	40	70	40	0	43.81	23.77	0.00	2.27	1.26	1.29
107	0I03	20	40	20	0	60.47	15.74	1.37	2.42	0.92	1.14
108	0I04	70	100	100	0	28.50	22.10	5.01	1.70	1.30	1.79
109	0I05	20	40	40	0	60.11	14.30	12.78	2.41	0.85	0.91
110	0I06	70	70	100	0	36.33	2.59	12.26	1.45	0.57	1.48
111	0I07	40	40	70	0	53.49	1.81	20.11	2.00	0.75	1.58
112	0I08	20	20	40	0	67.84	0.69	16.84	2.77	0.68	1.31
113	0I09	20	20	20	0	69.02	2.77	3.91	1.92	0.50	0.80
114	0I10	100	70	100	0	30.86	-19.63	2.52	1.74	1.56	1.75
115	0I11	70	40	70	0	45.45	-15.03	7.18	2.28	0.75	1.63
116	0I12	40	20	40	0	61.59	-8.66	7.37	2.45	0.92	1.25
117	0I13	100	70	70	0	31.02	-15.91	-8.93	1.82	1.27	1.97
118	0J01	40	40	20	0	54.31	6.55	-8.00	2.40	0.84	0.88
119	0J02	100	100	70	0	23.81	3.92	-14.86	1.02	1.77	1.39
120	0J03	40	20	20	0	62.73	-6.63	-5.13	2.04	0.95	1.02
121	0J04	70	40	40	0	46.93	-10.96	-8.45	1.66	0.57	0.88
122	0J05	100	85	85	100	9.26	-0.39	-0.67	0.94	0.38	0.67
123	0J06	100	85	85	80	12.81	-2.19	-1.78	0.84	0.86	0.88
124	0J07	100	85	85	60	16.30	-3.83	-3.46	0.75	1.40	0.95
125	0J08	80	65	65	100	10.85	-0.41	-0.28	0.91	0.28	0.51
126	0J09	80	65	65	80	16.48	-1.62	-1.02	0.96	0.40	0.41
127	0J10	80	65	65	60	21.62	-2.77	-1.80	0.86	0.31	0.98
128	0J11	80	65	65	40	26.31	-3.84	-2.70	1.21	0.43	1.24
129	0J12	60	45	45	100	13.08	-0.27	0.21	0.89	0.25	0.31
130	0J13	60	45	45	80	20.05	-1.37	-0.65	1.32	0.26	0.71
131	0K01	60	45	45	60	27.13	-2.17	-1.64	1.66	0.32	1.27
132	0K02	60	45	45	40	34.23	-2.70	-0.99	1.83	0.67	1.02
133	0K03	60	45	45	20	40.90	-3.25	-1.40	1.65	0.52	1.67
134	0K04	40	27	27	100	15.19	-0.30	0.37	1.11	0.14	0.26
135	0K05	40	27	27	80	24.85	-1.44	-0.58	1.51	0.29	0.59
136	0K06	40	27	27	60	34.29	-2.25	-1.37	1.46	0.43	0.78
137	0K07	40	27	27	40	42.16	-2.83	-1.78	2.17	0.56	1.27
138	0K08	40	27	27	20	50.32	-3.24	-1.74	2.92	0.59	1.01
139	0K09	40	27	27	10	54.06	-3.43	-1.83	2.91	0.81	1.22
140	0K10	20	12	12	100	17.10	0.38	0.92	1.34	0.17	0.29
141	0K11	20	12	12	80	29.18	-0.52	-0.07	2.02	0.23	0.45

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
142	0K12	20	12	12	60	41.04	-0.77	-0.41	1.66	0.23	0.45
143	0K13	20	12	12	40	50.29	-1.11	-0.65	2.45	0.41	0.77
144	0L01	20	12	12	20	61.28	-1.18	-0.41	1.96	0.41	0.64
145	0L02	20	12	12	10	66.16	-1.36	-0.14	1.94	0.48	0.76
146	0L03	10	6	6	100	18.45	0.77	1.50	0.98	0.13	0.17
147	0L04	10	6	6	80	31.40	0.05	0.58	1.66	0.17	0.29
148	0L05	10	6	6	60	43.97	-0.26	0.28	1.83	0.18	0.45
149	0L06	10	6	6	40	53.84	-0.36	0.20	3.04	0.27	0.59
150	0L07	10	6	6	20	66.09	-0.38	0.68	1.77	0.39	0.53
151	0L08	10	6	6	10	70.61	-0.27	0.87	2.68	0.39	0.69
152	0L09	100	85	85	0	27.05	-7.82	-7.06	1.53	1.59	1.93
153	0L10	80	65	65	0	35.93	-4.97	-4.38	1.95	0.73	1.37
154	0L11	60	45	45	0	47.98	-3.44	-2.03	1.06	0.91	1.58
155	0L12	40	27	27	0	60.55	-3.45	-1.91	1.66	0.83	0.97
156	0L13	20	12	12	0	72.06	-1.14	-0.03	2.69	0.54	0.72
157	0M01	10	6	6	0	76.88	-0.22	1.29	3.81	0.53	0.88
158	0M02	5	3	3	0	81.35	0.04	2.05	2.38	0.42	0.74
159	0M03	100	0	0	20	46.94	-33.46	-34.78	0.93	0.58	0.83
160	0M04	0	100	0	20	37.66	59.35	-1.53	1.46	1.80	0.51
161	0M05	0	0	100	20	69.20	-5.26	63.55	2.54	0.23	2.53
162	0M06	100	100	0	20	20.74	14.94	-35.53	1.06	1.01	1.07
163	0M07	100	0	100	20	43.27	-51.72	17.84	1.58	1.42	1.66
164	0M08	0	100	100	20	37.75	53.55	30.73	1.55	1.90	1.63
165	0M09	40	40	0	20	47.81	7.32	-16.71	1.91	0.98	1.18
166	0M10	40	0	40	20	59.08	-18.47	9.07	2.39	1.10	1.06
167	0M11	0	40	40	20	55.84	20.47	18.52	2.44	1.02	1.09
168	0M12	100	100	0	40	17.25	13.20	-29.28	1.13	0.89	0.98
169	0M13	100	0	100	40	36.14	-43.59	15.61	1.22	1.09	1.59
170	0N01	0	100	100	40	31.23	44.52	24.99	1.30	1.63	1.60
171	0N02	40	40	0	40	39.13	5.97	-13.83	2.61	1.06	1.41
172	0N03	40	0	40	40	48.83	-15.73	7.01	2.51	1.03	1.00
173	0N04	0	40	40	40	46.69	16.79	15.24	1.58	0.76	0.88
174	0N05	100	0	0	70	27.24	-19.85	-20.09	1.28	0.64	0.53
175	0N06	0	100	0	70	21.30	35.09	-1.55	1.16	1.30	0.30
176	0N07	0	0	100	70	39.57	-3.81	34.42	1.97	0.19	1.72
177	0N08	100	100	0	70	12.34	9.30	-19.84	1.11	0.56	0.78
178	0N09	100	0	100	70	25.39	-29.36	9.89	1.72	1.14	1.20
179	0N10	0	100	100	70	21.25	29.26	16.25	1.59	1.58	1.26
180	0N11	40	40	0	70	27.10	4.46	-9.56	1.98	0.60	0.95
181	0N12	40	0	40	70	34.25	-10.87	4.81	1.97	0.51	0.71
182	0N13	0	40	40	70	31.97	11.50	10.52	1.42	0.67	0.72
183	1A1	0	0	0	0	87.28	-0.27	3.55	2.92	0.31	0.67
184	1A2	0	10	0	0	81.01	8.34	1.44	3.32	0.61	0.61
185	1A3	0	20	0	0	77.89	14.07	0.53	1.34	0.53	0.51
186	1A4	0	40	0	0	67.35	28.78	-1.77	2.56	1.40	0.61
187	1A5	0	70	0	0	55.08	49.07	-2.10	2.65	2.38	0.48
188	1A6	0	100	0	0	45.06	69.06	-0.44	2.03	2.34	0.57

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
189	1B1	10	0	0	0	82.89	-5.50	-2.89	2.81	0.58	0.67
190	1B2	10	10	0	0	76.59	3.09	-4.65	3.22	0.46	0.63
191	1B3	10	20	0	0	72.65	8.89	-5.69	2.75	0.67	0.71
192	1B4	10	40	0	0	63.41	22.19	-7.13	3.03	1.43	0.57
193	1B5	10	70	0	0	52.33	43.22	-7.65	1.86	1.49	0.63
194	1B6	10	100	0	0	42.50	63.12	-7.05	1.56	1.61	0.82
195	1C1	20	0	0	0	78.29	-8.83	-7.58	3.62	0.72	0.72
196	1C2	20	10	0	0	73.40	-0.65	-8.97	2.75	0.52	0.73
197	1C3	20	20	0	0	69.30	4.78	-9.75	3.13	0.64	0.64
198	1C4	20	40	0	0	60.91	18.63	-11.37	2.51	0.94	0.70
199	1C5	20	70	0	0	49.72	39.02	-11.92	1.81	1.34	0.76
200	1C6	20	100	0	0	39.38	58.69	-11.04	2.11	2.38	0.81
201	1D1	40	0	0	0	71.55	-16.38	-16.77	3.44	1.18	0.85
202	1D2	40	10	0	0	66.44	-8.86	-18.31	2.72	1.06	1.07
203	1D3	40	20	0	0	63.47	-3.49	-18.80	1.77	0.86	1.03
204	1D4	40	40	0	0	55.06	8.94	-19.69	2.50	0.95	0.99
205	1D5	40	70	0	0	45.26	28.73	-19.82	1.49	0.85	0.58
206	1D6	40	100	0	0	34.69	48.93	-19.73	1.81	1.77	0.81
207	1E01	70	0	0	0	62.62	-26.97	-29.76	2.26	0.93	0.83
208	1E02	70	10	0	0	57.76	-20.13	-30.69	1.90	0.80	1.05
209	1E03	70	20	0	0	54.15	-15.21	-30.34	2.84	0.76	1.12
210	1E04	70	40	0	0	47.91	-4.13	-30.82	2.03	0.55	0.92
211	1E05	70	70	0	0	38.44	14.24	-31.19	1.21	0.91	0.90
212	1E06	70	100	0	0	28.76	34.06	-31.06	1.81	1.46	0.86
213	1F1	100	0	0	0	54.70	-38.06	-40.62	1.66	1.05	1.31
214	1F2	100	10	0	0	50.36	-31.53	-40.60	1.78	0.93	1.22
215	1F3	100	20	0	0	47.78	-26.97	-39.86	2.18	1.01	1.37
216	1F4	100	40	0	0	42.04	-17.29	-40.15	1.63	0.70	1.17
217	1F5	100	70	0	0	32.19	-0.75	-39.79	2.10	0.49	1.54
218	1F6	100	100	0	0	23.94	18.20	-40.68	1.47	1.34	1.32
219	2A1	0	0	10	0	85.80	-1.46	11.70	3.92	0.31	0.98
220	2A2	0	10	10	0	79.87	7.44	9.33	3.44	0.59	0.88
221	2A3	0	20	10	0	76.33	13.23	7.97	2.65	0.84	0.72
222	2A4	0	40	10	0	67.86	27.16	5.63	2.24	1.14	0.82
223	2A5	0	70	10	0	55.64	48.43	3.68	2.03	1.68	0.61
224	2A6	0	100	10	0	45.15	68.59	4.67	2.06	2.48	0.72
225	2B1	10	0	10	0	82.09	-6.87	5.50	2.64	0.57	0.75
226	2B2	10	10	10	0	76.95	1.78	3.33	1.62	0.48	0.75
227	2B3	10	20	10	0	72.10	7.51	2.22	2.72	0.59	0.75
228	2B4	10	40	10	0	63.28	21.28	-0.39	2.90	1.24	0.71
229	2B5	10	70	10	0	51.61	41.84	-1.64	2.30	1.71	0.64
230	2B6	10	100	10	0	41.85	62.10	-1.41	2.24	2.51	0.46
231	2C1	20	0	10	0	78.71	-10.49	0.76	2.29	0.79	0.80
232	2C2	20	10	10	0	72.53	-1.70	-1.42	2.62	0.60	0.76
233	2C3	20	20	10	0	69.24	3.68	-2.50	2.02	0.54	0.78
234	2C4	20	40	10	0	61.39	16.81	-4.09	1.97	0.73	0.68
235	2C5	20	70	10	0	49.50	37.25	-5.94	2.06	1.28	0.61

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
236	2C6	20	100	10	0	39.65	57.79	-6.10	1.73	2.06	0.82
237	2D1	40	0	10	0	71.11	-18.45	-8.73	2.90	1.26	1.06
238	2D2	40	10	10	0	65.62	-10.58	-10.15	3.15	1.06	0.92
239	2D3	40	20	10	0	61.76	-5.45	-11.39	3.41	0.89	1.15
240	2D4	40	40	10	0	55.16	7.64	-13.04	1.86	0.83	0.80
241	2D5	40	70	10	0	44.60	27.44	-14.22	1.65	0.96	0.66
242	2D6	40	100	10	0	34.79	47.57	-14.77	1.64	1.71	0.55
243	2E01	70	0	10	0	61.85	-30.31	-21.94	1.87	1.07	1.04
244	2E02	70	10	10	0	57.08	-22.61	-22.37	2.55	0.99	0.98
245	2E03	70	20	10	0	54.35	-17.94	-23.15	1.95	0.84	1.08
246	2E04	70	40	10	0	47.68	-6.51	-24.27	1.51	0.62	1.17
247	2E05	70	70	10	0	38.04	12.00	-25.26	1.67	0.58	0.82
248	2E06	70	100	10	0	28.66	31.67	-26.81	1.57	1.66	1.09
249	2F1	100	0	10	0	54.35	-42.09	-32.81	1.48	0.94	1.01
250	2F2	100	10	10	0	49.59	-35.26	-33.31	2.06	1.18	1.13
251	2F3	100	20	10	0	47.27	-30.84	-32.83	1.72	1.06	0.96
252	2F4	100	40	10	0	41.60	-20.86	-33.86	1.38	0.76	0.90
253	2F5	100	70	10	0	32.33	-3.65	-34.32	1.41	0.72	0.91
254	2F6	100	100	10	0	24.14	14.50	-35.96	1.54	0.97	1.44
255	3A1	0	0	20	0	86.14	-2.13	18.75	3.21	0.26	1.07
256	3A2	0	10	20	0	79.39	6.43	15.65	3.84	0.59	1.33
257	3A3	0	20	20	0	75.62	12.24	14.14	3.01	0.80	1.14
258	3A4	0	40	20	0	66.65	27.05	10.63	2.67	1.39	0.88
259	3A5	0	70	20	0	55.30	47.24	8.59	2.40	1.83	0.72
260	3A6	0	100	20	0	45.05	68.60	8.73	1.62	2.09	0.71
261	3B1	10	0	20	0	81.58	-7.65	12.29	2.72	0.59	1.06
262	3B2	10	10	20	0	75.62	0.96	9.40	2.91	0.45	0.93
263	3B3	10	20	20	0	71.80	6.68	7.99	2.48	0.56	0.86
264	3B4	10	40	20	0	62.91	20.57	4.90	2.38	0.92	1.04
265	3B5	10	70	20	0	51.81	41.41	3.04	1.90	1.50	0.62
266	3B6	10	100	20	0	41.46	61.55	2.51	2.20	2.60	0.70
267	3C1	20	0	20	0	77.79	-11.34	7.31	2.57	0.77	0.90
268	3C2	20	10	20	0	72.27	-2.93	4.94	2.74	0.57	0.84
269	3C3	20	20	20	0	68.37	2.59	3.50	2.82	0.55	0.90
270	3C4	20	40	20	0	61.09	16.52	0.86	1.69	0.65	0.71
271	3C5	20	70	20	0	49.96	37.08	-1.16	1.13	1.06	0.45
272	3C6	20	100	20	0	40.52	55.73	-2.67	2.43	3.65	1.10
273	3D1	40	0	20	0	71.72	-19.91	-2.52	1.79	1.20	0.97
274	3D2	40	10	20	0	65.87	-11.66	-4.62	2.08	0.99	1.01
275	3D3	40	20	20	0	61.92	-6.59	-5.41	2.72	0.88	1.05
276	3D4	40	40	20	0	54.69	6.33	-7.33	2.33	0.89	0.98
277	3D5	40	70	20	0	44.41	26.01	-9.63	1.75	0.99	0.70
278	3D6	40	100	20	0	35.25	46.53	-11.27	1.23	1.46	0.78
279	3E01	70	0	20	0	60.67	-31.73	-15.79	2.46	1.26	1.07
280	3E02	70	10	20	0	56.88	-24.50	-16.92	2.33	1.02	0.86
281	3E03	70	20	20	0	53.36	-19.40	-17.58	2.42	0.88	0.87
282	3E04	70	40	20	0	47.17	-7.83	-18.96	1.99	0.59	1.00

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
283	3E05	70	70	20	0	37.42	11.01	-21.08	1.68	0.76	0.93
284	3E06	70	100	20	0	28.77	29.96	-23.00	1.48	1.34	1.01
285	3F1	100	0	20	0	52.91	-44.78	-26.82	2.24	1.45	1.27
286	3F2	100	10	20	0	50.25	-38.09	-27.07	1.57	0.99	0.82
287	3F3	100	20	20	0	47.50	-33.84	-27.91	1.11	0.69	0.63
288	3F4	100	40	20	0	40.73	-22.87	-28.76	1.93	0.84	1.25
289	3F5	100	70	20	0	32.49	-6.21	-30.26	1.28	0.68	0.89
290	3F6	100	100	20	0	24.55	13.03	-32.79	0.95	1.19	0.86
291	4A1	0	0	40	0	85.00	-3.37	33.02	3.05	0.31	1.55
292	4A2	0	10	40	0	79.07	5.37	29.42	3.01	0.58	1.43
293	4A3	0	20	40	0	75.57	11.41	27.05	2.36	0.69	1.10
294	4A4	0	40	40	0	65.96	25.13	22.55	2.87	1.39	1.46
295	4A5	0	70	40	0	54.74	46.48	18.35	2.34	1.79	1.06
296	4A6	0	100	40	0	44.90	66.81	16.38	1.94	2.20	0.98
297	4B1	10	0	40	0	80.36	-9.04	25.90	2.66	0.51	1.30
298	4B2	10	10	40	0	74.38	-0.66	22.78	3.24	0.54	1.41
299	4B3	10	20	40	0	70.73	5.06	20.86	2.66	0.58	1.41
300	4B4	10	40	40	0	62.39	18.72	16.78	2.84	1.21	1.18
301	4B5	10	70	40	0	52.39	39.80	13.09	1.34	1.01	0.80
302	4B6	10	100	40	0	42.10	60.26	10.60	1.74	2.26	0.83
303	4C1	20	0	40	0	76.99	-12.95	21.48	2.39	0.81	1.12
304	4C2	20	10	40	0	71.34	-4.63	18.26	3.02	0.56	1.40
305	4C3	20	20	40	0	67.76	0.72	16.82	2.81	0.73	1.42
306	4C4	20	40	40	0	60.14	14.88	12.18	2.00	0.78	0.81
307	4C5	20	70	40	0	49.29	35.10	8.70	1.98	1.39	0.84
308	4C6	20	100	40	0	39.69	55.70	6.36	1.48	1.49	0.82
309	4D1	40	0	40	0	69.27	-21.92	11.29	3.06	1.26	1.18
310	4D2	40	10	40	0	64.92	-13.90	8.60	2.09	1.03	1.02
311	4D3	40	20	40	0	61.29	-8.81	7.02	2.47	1.01	1.29
312	4D4	40	40	40	0	54.13	4.19	3.86	2.27	1.08	1.20
313	4D5	40	70	40	0	44.39	24.46	-0.03	1.30	1.09	1.04
314	4D6	40	100	40	0	35.14	44.96	-3.33	1.32	1.48	0.90
315	4E01	70	0	40	0	60.19	-35.32	-2.90	2.09	1.40	0.97
316	4E02	70	10	40	0	55.72	-28.06	-4.66	2.14	1.20	1.30
317	4E03	70	20	40	0	53.50	-23.11	-5.84	1.56	1.01	1.11
318	4E04	70	40	40	0	46.76	-11.64	-8.09	1.74	0.74	1.40
319	4E05	70	70	40	0	37.06	7.58	-12.15	1.68	0.78	1.15
320	4E06	70	100	40	0	29.87	27.38	-15.18	0.70	1.75	0.94
321	4F1	100	0	40	0	51.83	-50.01	-14.36	2.15	1.80	1.23
322	4F2	100	10	40	0	48.35	-43.65	-15.62	2.05	1.80	1.40
323	4F3	100	20	40	0	45.37	-38.54	-16.34	2.52	1.62	1.42
324	4F4	100	40	40	0	40.45	-28.28	-17.98	1.94	1.10	0.81
325	4F5	100	70	40	0	31.59	-10.40	-21.62	1.31	1.02	0.80
326	4F6	100	100	40	0	24.03	8.55	-25.10	1.14	1.08	1.24
327	5A1	0	0	70	0	84.17	-4.50	54.78	1.97	0.30	1.66
328	5A2	0	10	70	0	78.41	4.03	49.82	2.36	0.46	1.90
329	5A3	0	20	70	0	74.86	9.92	46.72	1.82	0.55	1.71

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
330	5A4	0	40	70	0	66.14	24.37	40.05	2.02	1.03	1.89
331	5A5	0	70	70	0	54.53	45.88	32.59	1.53	1.31	1.35
332	5A6	0	100	70	0	44.90	65.09	27.81	2.08	2.23	1.61
333	5B1	10	0	70	0	79.34	-10.38	47.15	2.37	0.54	1.86
334	5B2	10	10	70	0	73.62	-1.98	42.66	3.06	0.48	1.93
335	5B3	10	20	70	0	69.88	3.59	40.18	2.73	0.60	1.82
336	5B4	10	40	70	0	62.27	17.31	34.25	1.89	0.87	2.19
337	5B5	10	70	70	0	51.13	38.38	26.57	2.19	1.54	1.86
338	5B6	10	100	70	0	42.12	58.98	20.92	1.34	1.49	0.95
339	5C1	20	0	70	0	76.12	-14.62	41.70	2.19	0.69	1.44
340	5C2	20	10	70	0	70.63	-6.68	38.18	2.11	0.67	1.65
341	5C3	20	20	70	0	67.25	-0.81	34.88	2.12	0.58	1.84
342	5C4	20	40	70	0	59.62	12.80	30.00	1.62	0.74	1.25
343	5C5	20	70	70	0	48.39	33.32	22.53	2.15	1.54	1.69
344	5C6	20	100	70	0	39.32	53.35	16.71	1.99	2.30	1.46
345	5D1	40	0	70	0	67.92	-24.00	31.55	2.91	1.41	2.14
346	5D2	40	10	70	0	63.02	-16.28	26.88	3.19	1.09	1.75
347	5D3	40	20	70	0	59.79	-10.87	24.56	3.00	0.87	1.84
348	5D4	40	40	70	0	53.44	1.79	20.05	2.23	0.94	1.41
349	5D5	40	70	70	0	43.83	22.26	13.22	1.70	0.92	1.80
350	5D6	40	100	70	0	35.00	42.84	7.89	1.10	1.31	1.56
351	5E01	70	0	70	0	59.06	-39.17	15.78	1.92	1.38	1.33
352	5E02	70	10	70	0	55.03	-31.58	14.11	2.38	1.24	1.51
353	5E03	70	20	70	0	52.05	-26.82	11.77	2.02	1.03	1.22
354	5E04	70	40	70	0	46.00	-14.96	7.09	1.63	0.78	1.71
355	5E05	70	70	70	0	36.39	4.27	1.14	2.06	1.04	1.91
356	5E06	70	100	70	0	28.92	24.57	-4.59	1.13	1.42	1.84
357	5F1	100	0	70	0	51.25	-56.48	3.55	1.73	1.40	0.79
358	5F2	100	10	70	0	47.39	-49.98	0.95	1.91	1.50	2.03
359	5F3	100	20	70	0	44.98	-45.23	0.15	1.89	1.47	2.01
360	5F4	100	40	70	0	39.93	-33.88	-4.18	1.15	0.87	1.82
361	5F5	100	70	70	0	31.19	-15.65	-9.60	0.99	1.05	1.29
362	5F6	100	100	70	0	23.88	3.72	-14.74	1.39	1.18	1.53
363	6A1	0	0	100	0	82.20	-5.28	78.00	2.96	0.29	2.81
364	6A2	0	10	100	0	76.07	3.16	71.24	3.78	0.63	3.66
365	6A3	0	20	100	0	73.58	9.15	68.52	2.47	0.55	3.01
366	6A4	0	40	100	0	65.29	23.27	58.12	2.04	1.09	2.27
367	6A5	0	70	100	0	53.64	44.11	47.04	2.57	2.00	2.54
368	6A6	0	100	100	0	44.90	63.89	37.84	1.84	2.21	2.04
369	6B1	10	0	100	0	78.56	-11.27	70.53	1.59	0.59	2.62
370	6B2	10	10	100	0	71.89	-3.15	64.61	3.35	0.50	3.37
371	6B3	10	20	100	0	68.75	2.44	60.50	3.24	0.60	3.12
372	6B4	10	40	100	0	61.31	16.43	51.67	2.53	0.95	2.32
373	6B5	10	70	100	0	50.62	36.97	40.67	2.31	1.58	2.41
374	6B6	10	100	100	0	41.65	57.80	30.28	1.75	1.96	1.53
375	6C1	20	0	100	0	74.34	-15.59	63.91	2.66	0.69	2.54
376	6C2	20	10	100	0	69.54	-7.37	58.44	2.97	0.52	2.73

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
377	6C3	20	20	100	0	66.44	-1.83	56.20	2.01	0.61	2.42
378	6C4	20	40	100	0	58.67	11.74	45.63	2.12	0.79	1.93
379	6C5	20	70	100	0	48.42	31.96	35.86	1.69	1.06	2.00
380	6C6	20	100	100	0	39.07	52.09	27.08	1.92	2.27	1.93
381	6D1	40	0	100	0	67.44	-25.78	51.73	2.49	1.33	2.69
382	6D2	40	10	100	0	62.86	-17.61	47.15	2.50	1.05	2.31
383	6D3	40	20	100	0	59.85	-12.51	43.99	2.33	0.86	2.22
384	6D4	40	40	100	0	52.97	0.49	36.77	2.41	0.72	2.41
385	6D5	40	70	100	0	44.01	20.98	27.36	1.42	1.00	2.58
386	6D6	40	100	100	0	35.47	41.62	17.77	0.91	1.06	2.04
387	6E01	70	0	100	0	57.91	-41.53	35.64	2.31	1.52	2.27
388	6E02	70	10	100	0	53.95	-34.12	31.38	2.21	1.33	2.03
389	6E03	70	20	100	0	51.76	-29.45	29.32	1.75	1.16	1.45
390	6E04	70	40	100	0	45.40	-17.27	22.59	1.76	0.77	2.42
391	6E05	70	70	100	0	36.26	2.14	12.53	2.18	0.53	1.57
392	6E06	70	100	100	0	28.41	22.26	3.89	1.42	1.36	2.03
393	6F1	100	0	100	0	49.88	-61.11	21.32	1.92	1.98	2.19
394	6F2	100	10	100	0	46.93	-54.97	18.94	1.44	1.39	2.68
395	6F3	100	20	100	0	43.96	-48.87	15.71	2.41	2.19	2.22
396	6F4	100	40	100	0	38.71	-38.46	10.42	1.78	1.34	2.45
397	6F5	100	70	100	0	31.04	-19.80	2.46	1.31	1.44	2.79
398	6F6	100	100	100	0	23.42	0.32	-7.28	0.85	1.28	1.72
399	7A1	0	0	0	20	72.90	-0.48	2.19	3.25	0.24	0.54
400	7A2	0	10	0	20	68.51	6.64	0.50	2.12	0.38	0.44
401	7A3	0	20	0	20	65.02	11.43	-0.27	2.56	0.55	0.52
402	7A4	0	40	0	20	57.29	23.29	-1.91	2.24	0.91	0.46
403	7A5	0	70	0	20	47.17	41.74	-2.63	1.30	0.99	0.37
404	7A6	0	100	0	20	37.65	59.15	-1.71	1.96	2.30	0.40
405	7B1	10	0	0	20	68.86	-4.65	-3.00	3.31	0.44	0.58
406	7B2	10	10	0	20	64.34	2.15	-4.20	3.44	0.38	0.55
407	7B3	10	20	0	20	61.55	6.96	-4.88	2.65	0.44	0.52
408	7B4	10	40	0	20	54.60	18.37	-6.16	2.36	0.94	0.45
409	7B5	10	70	0	20	43.70	36.18	-7.10	2.17	1.40	0.51
410	7B6	10	100	0	20	35.36	54.36	-6.51	1.37	1.57	0.41
411	7C1	20	0	0	20	67.17	-7.55	-6.71	1.75	0.59	0.55
412	7C2	20	10	0	20	61.97	-0.78	-7.88	2.39	0.42	0.57
413	7C3	20	20	0	20	59.32	3.95	-8.42	2.03	0.41	0.69
414	7C4	20	40	0	20	51.83	15.03	-9.87	2.37	0.66	0.71
415	7C5	20	70	0	20	42.23	32.41	-10.38	2.00	1.40	0.58
416	7C6	20	100	0	20	33.67	50.58	-10.05	1.22	1.58	0.55
417	7D1	40	0	0	20	60.61	-14.17	-14.91	2.41	0.94	0.66
418	7D2	40	10	0	20	57.17	-7.70	-15.42	2.10	0.76	0.88
419	7D3	40	20	0	20	54.28	-3.42	-15.96	2.02	0.64	0.97
420	7D4	40	40	0	20	47.61	7.34	-16.61	1.82	0.59	0.84
421	7D5	40	70	0	20	38.15	24.17	-17.31	1.86	0.95	0.84
422	7D6	40	100	0	20	29.51	41.75	-17.56	1.62	1.58	0.47
423	7E01	70	0	0	20	53.34	-23.28	-25.17	1.62	0.89	0.63

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
424	7E02	70	10	0	20	49.44	-17.15	-25.52	1.84	0.67	0.77
425	7E03	70	20	0	20	47.42	-13.21	-25.30	1.91	0.53	0.62
426	7E04	70	40	0	20	41.26	-3.57	-25.73	2.00	0.39	0.87
427	7E05	70	70	0	20	32.40	11.96	-26.12	2.00	0.66	0.82
428	7E06	70	100	0	20	24.50	28.87	-27.35	1.41	1.12	0.96
429	7F1	100	0	0	20	46.71	-32.88	-33.96	1.77	1.02	0.82
430	7F2	100	10	0	20	43.17	-27.33	-34.18	1.98	0.97	1.11
431	7F3	100	20	0	20	41.54	-24.02	-34.35	1.30	0.73	0.64
432	7F4	100	40	0	20	35.78	-15.06	-34.19	1.79	0.79	1.17
433	7F5	100	70	0	20	28.06	-0.62	-34.10	1.68	0.43	1.18
434	7F6	100	100	0	20	20.76	15.83	-35.06	1.24	1.38	0.94
435	8A1	0	0	10	20	72.99	-1.44	9.20	2.11	0.25	0.65
436	8A2	0	10	10	20	66.92	5.62	6.91	3.45	0.52	0.80
437	8A3	0	20	10	20	64.23	10.62	6.10	2.74	0.71	0.75
438	8A4	0	40	10	20	56.78	22.24	3.92	2.59	1.22	0.64
439	8A5	0	70	10	20	46.79	40.51	2.35	2.04	1.60	0.57
440	8A6	0	100	10	20	37.55	57.39	2.24	2.26	2.33	0.60
441	8B1	10	0	10	20	69.29	-5.78	4.13	2.32	0.43	0.54
442	8B2	10	10	10	20	64.43	1.13	2.42	2.61	0.39	0.59
443	8B3	10	20	10	20	60.99	5.94	1.50	2.80	0.50	0.66
444	8B4	10	40	10	20	54.21	17.56	-0.56	1.94	0.60	0.57
445	8B5	10	70	10	20	43.80	35.18	-1.94	2.06	1.30	0.48
446	8B6	10	100	10	20	35.77	52.96	-2.49	0.96	1.17	0.76
447	8C1	20	0	10	20	65.51	-8.74	0.18	3.16	0.60	0.68
448	8C2	20	10	10	20	61.48	-2.01	-1.29	2.78	0.48	0.73
449	8C3	20	20	10	20	58.45	2.44	-2.08	2.56	0.55	0.79
450	8C4	20	40	10	20	51.19	13.99	-4.25	2.55	0.91	0.78
451	8C5	20	70	10	20	42.60	30.95	-5.10	1.72	1.21	0.74
452	8C6	20	100	10	20	33.79	49.85	-5.80	0.68	0.91	0.51
453	8D1	40	0	10	20	59.38	-15.51	-7.79	3.45	1.19	0.89
454	8D2	40	10	10	20	56.70	-9.11	-8.98	1.87	0.74	1.02
455	8D3	40	20	10	20	52.94	-4.77	-9.60	2.82	0.67	0.95
456	8D4	40	40	10	20	47.51	5.47	-10.77	1.99	0.81	1.05
457	8D5	40	70	10	20	38.29	22.81	-12.34	1.54	1.01	0.90
458	8D6	40	100	10	20	29.57	40.38	-13.22	1.73	1.80	0.61
459	8E01	70	0	10	20	52.93	-25.53	-18.39	1.80	0.97	0.60
460	8E02	70	10	10	20	48.36	-19.38	-19.28	2.49	0.95	0.99
461	8E03	70	20	10	20	47.04	-15.51	-19.33	1.50	0.58	0.79
462	8E04	70	40	10	20	40.34	-5.57	-20.56	2.09	0.37	1.08
463	8E05	70	70	10	20	32.22	10.20	-21.31	1.80	0.68	0.81
464	8E06	70	100	10	20	24.47	27.19	-23.05	1.37	0.96	0.94
465	8F1	100	0	10	20	46.20	-36.52	-28.10	1.45	1.07	0.84
466	8F2	100	10	10	20	42.97	-30.47	-28.00	1.43	0.92	0.69
467	8F3	100	20	10	20	40.71	-27.20	-28.28	1.61	0.83	1.02
468	8F4	100	40	10	20	35.80	-17.58	-28.51	1.38	0.85	0.89
469	8F5	100	70	10	20	27.78	-3.40	-29.51	1.54	0.62	0.88
470	8F6	100	100	10	20	20.77	13.15	-31.15	1.06	0.80	1.12

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
471	9A1	0	0	20	20	72.49	-2.06	14.75	2.36	0.25	0.98
472	9A2	0	10	20	20	66.41	4.95	12.01	3.69	0.48	0.99
473	9A3	0	20	20	20	63.97	10.06	11.16	2.07	0.55	0.81
474	9A4	0	40	20	20	55.94	21.70	8.37	2.67	1.09	0.79
475	9A5	0	70	20	20	46.87	40.26	6.47	1.16	1.02	0.67
476	9A6	0	100	20	20	37.77	57.64	5.90	1.51	1.90	0.60
477	9B1	10	0	20	20	68.72	-6.46	9.41	2.38	0.43	0.79
478	9B2	10	10	20	20	64.00	0.36	7.69	2.73	0.40	0.81
479	9B3	10	20	20	20	60.47	5.20	6.30	2.70	0.45	0.74
480	9B4	10	40	20	20	53.79	16.50	3.97	2.37	0.81	0.98
481	9B5	10	70	20	20	43.68	34.31	1.82	1.88	1.22	0.54
482	9B6	10	100	20	20	35.08	51.99	1.11	1.94	2.20	0.49
483	9C1	20	0	20	20	65.43	-9.51	5.49	2.77	0.59	0.81
484	9C2	20	10	20	20	61.66	-2.95	4.13	2.53	0.51	0.92
485	9C3	20	20	20	20	58.06	1.72	2.73	2.56	0.42	0.75
486	9C4	20	40	20	20	51.43	12.93	0.63	2.07	0.74	0.79
487	9C5	20	70	20	20	41.94	30.13	-1.51	1.90	1.24	0.53
488	9C6	20	100	20	20	33.21	48.22	-2.77	1.60	1.76	0.60
489	9D1	40	0	20	20	60.27	-16.65	-2.60	2.02	0.99	0.63
490	9D2	40	10	20	20	56.42	-9.95	-3.70	1.71	0.85	0.76
491	9D3	40	20	20	20	53.22	-5.82	-4.95	1.96	0.67	1.37
492	9D4	40	40	20	20	46.64	5.12	-6.70	2.13	0.65	1.08
493	9D5	40	70	20	20	37.16	22.15	-8.63	1.90	1.01	0.81
494	9D6	40	100	20	20	29.44	39.97	-9.82	1.40	1.81	0.64
495	9E01	70	0	20	20	51.95	-26.84	-13.33	2.32	1.07	0.81
496	9E02	70	10	20	20	48.75	-21.11	-14.41	1.81	0.94	0.82
497	9E03	70	20	20	20	46.27	-16.83	-14.84	1.98	0.69	1.33
498	9E04	70	40	20	20	40.58	-7.22	-16.25	1.26	0.46	0.79
499	9E05	70	70	20	20	32.52	8.74	-17.68	1.32	0.66	0.68
500	9E06	70	100	20	20	24.71	26.17	-19.51	1.27	1.09	0.55
501	9F1	100	0	20	20	46.27	-38.48	-22.36	1.40	0.89	0.80
502	9F2	100	10	20	20	42.31	-33.12	-23.45	1.73	1.19	1.53
503	9F3	100	20	20	20	39.64	-28.97	-23.73	1.88	1.08	0.95
504	9F4	100	40	20	20	35.43	-19.93	-24.60	1.07	0.67	1.07
505	9F5	100	70	20	20	27.97	-4.95	-25.75	1.07	0.66	0.76
506	9F6	100	100	20	20	20.97	11.08	-27.90	1.07	0.85	1.14
507	10A1	0	0	40	20	70.65	-3.25	26.23	3.36	0.27	1.42
508	10A2	0	10	40	20	66.31	3.83	23.27	2.62	0.47	1.18
509	10A3	0	20	40	20	63.48	8.74	21.96	2.00	0.49	1.17
510	10A4	0	40	40	20	56.16	20.36	18.52	2.11	0.84	1.20
511	10A5	0	70	40	20	45.66	38.51	14.41	2.30	1.87	0.95
512	10A6	0	100	40	20	37.47	56.41	12.58	1.47	1.78	0.78
513	10B1	10	0	40	20	67.05	-7.86	20.86	2.87	0.42	1.26
514	10B2	10	10	40	20	62.95	-1.08	18.57	2.84	0.39	1.31
515	10B3	10	20	40	20	59.98	3.83	17.03	2.10	0.43	0.91
516	10B4	10	40	40	20	52.71	15.01	13.90	2.80	1.06	1.15
517	10B5	10	70	40	20	43.38	33.22	10.47	1.85	1.31	0.85

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
518	10B6	10	100	40	20	35.20	50.38	7.61	1.81	2.01	0.88
519	10C1	20	0	40	20	64.53	-11.01	17.43	2.89	0.57	1.23
520	10C2	20	10	40	20	60.59	-4.59	15.15	2.46	0.46	1.18
521	10C3	20	20	40	20	57.19	0.37	13.29	2.72	0.46	1.09
522	10C4	20	40	40	20	51.25	11.58	10.31	1.76	0.70	1.34
523	10C5	20	70	40	20	41.88	28.73	7.23	1.93	1.21	0.89
524	10C6	20	100	40	20	33.34	47.12	4.04	1.34	1.58	0.54
525	10D1	40	0	40	20	59.06	-18.42	9.06	2.44	0.99	0.95
526	10D2	40	10	40	20	54.85	-12.17	6.64	2.37	0.85	1.00
527	10D3	40	20	40	20	52.66	-7.47	5.84	2.48	0.64	1.06
528	10D4	40	40	40	20	46.32	2.83	3.05	2.25	0.65	1.36
529	10D5	40	70	40	20	37.77	20.55	0.05	1.28	0.73	1.19
530	10D6	40	100	40	20	29.41	37.51	-3.00	1.59	1.66	0.84
531	10E01	70	0	40	20	51.84	-30.04	-2.53	1.33	1.13	1.01
532	10E02	70	10	40	20	48.02	-23.60	-3.68	2.24	0.89	1.11
533	10E03	70	20	40	20	46.02	-20.07	-4.42	1.60	0.88	0.89
534	10E04	70	40	40	20	39.93	-9.92	-6.99	1.85	0.55	1.75
535	10E05	70	70	40	20	32.13	6.02	-9.89	1.46	0.46	1.21
536	10E06	70	100	40	20	24.71	23.63	-12.92	1.11	0.95	1.01
537	10F1	100	0	40	20	44.60	-42.83	-12.34	1.90	1.55	1.35
538	10F2	100	10	40	20	41.81	-36.90	-13.38	1.67	1.03	0.88
539	10F3	100	20	40	20	38.79	-33.16	-14.32	2.00	1.17	0.91
540	10F4	100	40	40	20	34.80	-24.11	-16.07	1.26	0.89	1.14
541	10F5	100	70	40	20	27.29	-9.07	-18.49	1.26	0.83	1.10
542	10F6	100	100	40	20	20.67	7.51	-21.49	0.68	1.38	0.94
543	11A1	0	0	70	20	69.22	-4.51	44.28	3.51	0.25	2.30
544	11A2	0	10	70	20	65.81	2.54	41.35	2.36	0.38	2.31
545	11A3	0	20	70	20	61.99	7.33	38.28	2.63	0.53	1.93
546	11A4	0	40	70	20	55.29	19.07	32.80	2.48	1.04	1.54
547	11A5	0	70	70	20	46.18	37.39	27.14	1.63	1.32	1.27
548	11A6	0	100	70	20	37.92	54.63	21.99	1.38	1.72	1.33
549	11B1	10	0	70	20	66.16	-9.22	39.00	2.94	0.42	2.10
550	11B2	10	10	70	20	62.88	-2.54	35.80	1.64	0.38	1.52
551	11B3	10	20	70	20	58.64	2.33	32.74	2.92	0.45	1.72
552	11B4	10	40	70	20	52.81	13.77	28.75	2.07	0.78	1.69
553	11B5	10	70	70	20	43.13	31.77	21.81	1.76	1.22	1.31
554	11B6	10	100	70	20	35.06	49.11	17.78	1.72	1.71	1.19
555	11C1	20	0	70	20	63.96	-12.72	35.00	2.28	0.61	1.77
556	11C2	20	10	70	20	59.68	-5.87	31.48	2.41	0.43	1.40
557	11C3	20	20	70	20	56.46	-1.29	28.89	2.47	0.45	1.41
558	11C4	20	40	70	20	50.10	9.76	24.79	2.27	0.83	1.51
559	11C5	20	70	70	20	40.99	27.35	18.16	1.90	1.21	1.18
560	11C6	20	100	70	20	33.20	45.47	12.98	1.65	1.77	1.28
561	11D1	40	0	70	20	57.41	-20.58	25.40	2.79	1.09	1.66
562	11D2	40	10	70	20	54.25	-14.21	23.21	2.24	0.75	1.96
563	11D3	40	20	70	20	51.88	-9.89	21.80	1.89	0.82	1.93
564	11D4	40	40	70	20	45.97	0.65	17.96	2.50	0.95	1.82

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
565	11D5	40	70	70	20	37.18	18.18	10.71	1.64	0.85	1.48
566	11D6	40	100	70	20	30.05	35.51	5.87	1.35	1.35	1.42
567	11E01	70	0	70	20	50.40	-33.54	13.49	1.57	1.20	1.24
568	11E02	70	10	70	20	47.03	-27.36	11.72	2.08	0.89	1.84
569	11E03	70	20	70	20	44.59	-22.91	9.51	1.84	0.98	1.54
570	11E04	70	40	70	20	38.98	-12.60	5.62	1.83	0.54	1.42
571	11E05	70	70	70	20	31.43	3.29	0.50	1.42	0.67	1.44
572	11E06	70	100	70	20	24.63	20.15	-3.98	1.31	0.96	0.68
573	11F1	100	0	70	20	43.69	-48.02	3.96	1.97	1.78	1.18
574	11F2	100	10	70	20	40.81	-42.27	1.01	1.80	1.51	1.17
575	11F3	100	20	70	20	39.36	-38.60	0.12	1.07	0.69	0.94
576	11F4	100	40	70	20	33.43	-28.56	-2.36	2.28	1.43	1.67
577	11F5	100	70	70	20	26.97	-12.90	-7.77	1.22	0.70	0.85
578	11F6	100	100	70	20	20.14	3.59	-12.47	1.22	0.90	0.94
579	12A1	0	0	100	20	69.49	-5.21	64.26	2.31	0.25	2.24
580	12A2	0	10	100	20	64.47	1.75	60.17	2.89	0.33	2.56
581	12A3	0	20	100	20	60.83	6.44	55.88	3.16	0.69	3.16
582	12A4	0	40	100	20	54.76	18.34	48.45	2.03	0.86	1.88
583	12A5	0	70	100	20	45.92	36.37	39.03	1.52	1.13	1.33
584	12A6	0	100	100	20	38.32	54.10	31.67	1.22	1.57	1.45
585	12B1	10	0	100	20	64.67	-10.12	58.28	3.45	0.44	3.03
586	12B2	10	10	100	20	61.73	-3.45	52.59	1.99	0.35	1.80
587	12B3	10	20	100	20	58.69	1.26	50.88	2.24	0.41	2.40
588	12B4	10	40	100	20	52.13	12.84	43.29	2.15	0.71	2.62
589	12B5	10	70	100	20	42.92	30.68	33.89	1.77	1.37	1.88
590	12B6	10	100	100	20	35.52	47.85	26.37	1.84	1.89	1.78
591	12C1	20	0	100	20	62.74	-13.66	53.50	2.65	0.61	2.39
592	12C2	20	10	100	20	58.35	-7.07	48.86	2.90	0.46	2.65
593	12C3	20	20	100	20	55.55	-2.47	45.47	2.67	0.40	2.44
594	12C4	20	40	100	20	49.78	8.60	39.49	2.41	0.79	2.24
595	12C5	20	70	100	20	41.54	26.50	30.60	1.25	1.04	2.22
596	12C6	20	100	100	20	33.08	43.43	22.19	1.73	1.68	1.66
597	12D1	40	0	100	20	57.24	-21.75	43.38	2.50	0.99	2.09
598	12D2	40	10	100	20	53.03	-15.67	38.77	2.55	0.85	2.50
599	12D3	40	20	100	20	51.08	-11.30	37.60	2.12	0.68	2.36
600	12D4	40	40	100	20	45.67	-0.73	30.99	1.88	0.63	1.76
601	12D5	40	70	100	20	37.36	16.68	22.36	1.24	0.73	1.31
602	12D6	40	100	100	20	29.27	34.36	14.69	1.35	1.51	1.89
603	12E01	70	0	100	20	49.30	-35.80	30.05	2.07	1.51	2.52
604	12E02	70	10	100	20	46.71	-29.44	26.43	1.55	0.75	1.33
605	12E03	70	20	100	20	44.39	-25.36	23.86	1.39	0.64	1.76
606	12E04	70	40	100	20	38.99	-15.12	18.92	1.95	0.87	2.92
607	12E05	70	70	100	20	31.26	1.07	11.54	1.81	0.71	2.28
608	12E06	70	100	100	20	24.84	19.28	3.79	0.89	0.70	1.56
609	12F1	100	0	100	20	43.05	-51.83	18.02	1.56	1.36	1.44
610	12F2	100	10	100	20	39.52	-45.82	15.25	1.99	1.60	1.72
611	12F3	100	20	100	20	38.26	-42.35	13.42	1.30	1.32	1.90

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
612	12F4	100	40	100	20	33.59	-32.57	8.69	1.01	1.15	1.53
613	12F5	100	70	100	20	26.38	-16.52	1.00	1.43	1.14	1.72
614	12F6	100	100	100	20	19.73	-0.12	-4.66	1.43	0.92	2.37
615	13A1	0	0	0	40	60.60	-0.44	1.48	2.65	0.20	0.43
616	13A2	0	20	0	40	53.24	9.11	-0.50	2.83	0.53	0.41
617	13A3	0	40	0	40	47.24	19.53	-1.92	2.18	0.95	0.33
618	13A4	0	70	0	40	38.57	34.07	-2.48	2.00	1.19	0.34
619	13A5	0	100	0	40	30.93	49.50	-2.01	1.75	1.89	0.46
620	13B1	20	0	0	40	54.70	-6.18	-5.79	2.67	0.43	0.43
621	13B2	20	20	0	40	49.12	3.05	-7.15	2.20	0.38	0.61
622	13B3	20	40	0	40	43.77	12.11	-7.99	1.81	0.56	0.63
623	13B4	20	70	0	40	35.48	26.77	-8.93	1.64	1.06	0.73
624	13B5	20	100	0	40	27.18	41.55	-9.07	1.64	1.79	0.68
625	13C1	40	0	0	40	50.37	-11.71	-12.32	2.27	0.80	0.52
626	13C2	40	20	0	40	44.98	-2.89	-13.03	2.43	0.64	0.77
627	13C3	40	40	0	40	39.88	5.83	-13.56	2.08	0.97	1.25
628	13C4	40	70	0	40	32.07	20.04	-14.33	1.39	0.79	0.83
629	13C5	40	100	0	40	24.61	35.17	-14.95	1.21	1.34	0.44
630	13D1	70	0	0	40	43.80	-19.50	-20.95	2.16	0.85	0.66
631	13D2	70	20	0	40	39.35	-11.31	-21.08	2.09	0.66	0.78
632	13D3	70	40	0	40	34.80	-3.28	-21.48	2.14	0.62	1.22
633	13D4	70	70	0	40	27.16	9.93	-22.58	1.34	0.64	1.05
634	13D5	70	100	0	40	20.56	24.33	-22.79	1.28	0.96	0.52
635	13E01	100	0	0	40	38.53	-27.99	-28.59	1.82	1.00	0.88
636	13E02	100	20	0	40	34.10	-20.45	-28.92	1.46	0.83	0.99
637	13E03	100	40	0	40	29.79	-12.40	-28.49	1.54	0.66	0.87
638	13E04	100	70	0	40	23.47	-0.23	-28.80	1.33	0.44	0.84
639	13E05	100	100	0	40	17.43	13.15	-29.63	0.69	0.75	0.65
640	14A1	0	0	20	40	59.28	-1.90	11.50	3.04	0.17	0.76
641	14A2	0	20	20	40	52.45	8.04	8.83	2.55	0.63	0.81
642	14A3	0	40	20	40	46.47	17.68	6.75	2.33	0.92	0.69
643	14A4	0	70	20	40	38.41	32.52	5.08	2.07	1.26	0.60
644	14A5	0	100	20	40	31.41	48.48	4.26	1.00	1.29	0.44
645	14B1	20	0	20	40	54.21	-7.89	4.38	2.29	0.47	0.82
646	14B2	20	20	20	40	48.43	1.48	2.17	2.00	0.31	0.73
647	14B3	20	40	20	40	42.58	10.16	0.60	2.48	0.76	0.59
648	14B4	20	70	20	40	35.57	25.19	-0.99	1.47	0.96	0.63
649	14B5	20	100	20	40	27.96	40.84	-2.83	0.82	0.97	0.52
650	14C1	40	0	20	40	49.17	-13.87	-2.50	2.47	0.86	0.81
651	14C2	40	20	20	40	44.83	-4.94	-3.87	1.82	0.67	0.98
652	14C3	40	40	20	40	38.26	3.93	-5.82	2.41	0.72	0.94
653	14C4	40	70	20	40	31.83	17.74	-6.77	2.11	1.27	1.18
654	14C5	40	100	20	40	24.54	33.04	-8.30	1.49	1.46	0.42
655	14D1	70	0	20	40	43.10	-22.37	-11.28	1.93	0.83	0.68
656	14D2	70	20	20	40	38.72	-14.62	-12.41	1.85	0.65	0.66
657	14D3	70	40	20	40	33.16	-6.12	-13.81	1.96	0.37	1.09
658	14D4	70	70	20	40	26.87	7.20	-14.82	1.41	0.42	0.74
659	14D5	70	100	20	40	20.58	21.29	-16.55	1.23	0.83	0.85

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
660	14E01	100	0	20	40	37.73	-32.12	-19.26	1.70	1.00	0.80
661	14E02	100	20	20	40	33.99	-24.45	-19.85	1.20	0.72	0.80
662	14E03	100	40	20	40	29.79	-16.78	-20.31	1.30	0.57	0.56
663	14E04	100	70	20	40	23.50	-3.31	-21.41	1.05	1.18	1.02
664	14E05	100	100	20	40	17.35	9.49	-22.97	1.00	1.00	0.67
665	15A1	0	0	40	40	59.18	-2.88	21.48	2.24	0.22	1.27
666	15A2	0	20	40	40	52.53	6.89	17.75	1.91	0.48	0.79
667	15A3	0	40	40	40	46.21	16.57	14.92	2.25	0.83	0.93
668	15A4	0	70	40	40	38.37	31.65	12.01	1.56	1.07	0.66
669	15A5	0	100	40	40	31.09	46.15	10.01	1.78	1.83	0.70
670	15B1	20	0	40	40	54.15	-9.32	14.01	2.02	0.48	1.26
671	15B2	20	20	40	40	47.55	-0.09	10.87	2.69	0.48	1.03
672	15B3	20	40	40	40	42.34	9.42	8.38	2.32	0.60	1.14
673	15B4	20	70	40	40	34.81	23.82	5.39	1.64	0.91	0.93
674	15B5	20	100	40	40	27.42	38.54	2.84	1.66	1.52	0.71
675	15C1	40	0	40	40	48.65	-15.40	6.63	2.50	0.76	0.87
676	15C2	40	20	40	40	44.34	-6.83	5.03	1.68	0.68	0.79
677	15C3	40	40	40	40	37.86	2.74	1.44	2.21	0.83	1.67
678	15C4	40	70	40	40	32.22	16.25	0.37	1.19	1.18	1.45
679	15C5	40	100	40	40	24.29	31.42	-3.05	1.26	1.42	0.63
680	15D1	70	0	40	40	42.45	-24.73	-2.07	2.44	1.08	0.94
681	15D2	70	20	40	40	38.49	-16.92	-4.02	1.60	0.90	0.99
682	15D3	70	40	40	40	33.07	-8.28	-6.24	2.25	0.43	1.47
683	15D4	70	70	40	40	27.53	5.43	-8.43	0.98	0.44	1.18
684	15D5	70	100	40	40	20.20	19.39	-10.80	1.27	1.10	0.48
685	15E01	100	0	40	40	37.83	-36.22	-10.14	1.23	1.14	0.88
686	15E02	100	20	40	40	32.95	-27.80	-12.01	1.81	1.17	0.86
687	15E03	100	40	40	40	29.00	-19.99	-13.61	1.17	0.78	0.92
688	15E04	100	70	40	40	22.95	-7.01	-15.20	1.15	0.87	1.06
689	15E05	100	100	40	40	16.96	6.28	-17.32	1.26	0.72	0.89
690	16A1	0	0	70	40	57.96	-4.09	35.86	2.60	0.17	1.64
691	16A2	0	20	70	40	51.40	5.48	31.85	2.83	0.50	1.76
692	16A3	0	40	70	40	46.55	15.73	27.40	1.13	0.56	1.26
693	16A4	0	70	70	40	38.11	30.62	21.96	1.53	1.08	1.24
694	16A5	0	100	70	40	30.84	45.25	17.58	1.53	1.88	1.25
695	16B1	20	0	70	40	52.81	-10.66	27.67	2.10	0.48	1.24
696	16B2	20	20	70	40	47.50	-1.34	24.14	1.47	0.32	1.02
697	16B3	20	40	70	40	41.75	7.73	20.04	2.07	0.54	1.15
698	16B4	20	70	70	40	34.22	22.36	14.64	1.81	0.94	1.22
699	16B5	20	100	70	40	27.00	36.71	10.76	1.77	1.90	1.35
700	16C1	40	0	70	40	48.49	-17.27	21.04	1.60	0.78	1.11
701	16C2	40	20	70	40	42.45	-8.36	17.37	2.44	0.62	1.85
702	16C3	40	40	70	40	37.93	0.75	13.72	2.04	0.62	1.65
703	16C4	40	70	70	40	30.81	15.09	9.03	1.53	0.70	1.49
704	16C5	40	100	70	40	24.82	30.24	5.15	0.99	1.15	0.65
705	16D1	70	0	70	40	42.17	-27.53	10.87	1.86	1.02	1.04

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
706	16D2	70	20	70	40	37.92	-19.45	8.08	1.61	0.75	2.13
707	16D3	70	40	70	40	33.24	-10.58	5.09	1.53	0.37	1.06
708	16D4	70	70	70	40	26.70	2.66	1.32	1.60	0.58	1.28
709	16D5	70	100	70	40	20.71	17.03	-3.13	0.94	1.19	1.14
710	16E01	100	0	70	40	37.20	-40.15	2.77	1.21	1.06	0.93
711	16E02	100	20	70	40	32.51	-31.93	-0.26	1.46	0.93	0.64
712	16E03	100	40	70	40	28.56	-23.71	-2.58	1.40	0.96	1.31
713	16E04	100	70	70	40	22.98	-10.87	-6.55	0.87	0.70	0.83
714	16E05	100	100	70	40	17.10	3.44	-10.19	0.95	0.75	1.21
715	17A1	0	0	100	40	57.27	-4.81	52.66	2.49	0.24	2.65
716	17A2	0	20	100	40	51.38	4.92	45.55	1.76	0.46	1.83
717	17A3	0	40	100	40	45.36	14.44	39.89	2.17	0.80	2.44
718	17A4	0	70	100	40	37.44	29.25	31.51	2.04	1.40	1.65
719	17A5	0	100	100	40	31.19	44.08	25.04	1.61	1.72	1.44
720	17B1	20	0	100	40	52.23	-11.67	44.42	2.37	0.44	2.77
721	17B2	20	20	100	40	46.76	-2.55	38.12	2.02	0.41	1.79
722	17B3	20	40	100	40	41.85	6.81	32.79	1.72	0.83	2.38
723	17B4	20	70	100	40	33.89	21.49	24.34	1.87	1.12	1.44
724	17B5	20	100	100	40	27.81	36.26	18.22	1.11	1.31	1.19
725	17C1	40	0	100	40	47.80	-18.50	35.68	2.28	0.78	1.91
726	17C2	40	20	100	40	43.20	-9.74	30.14	1.58	0.44	2.11
727	17C3	40	40	100	40	37.62	-0.86	25.43	1.82	0.61	2.04
728	17C4	40	70	100	40	30.90	13.28	18.19	1.78	0.98	1.77
729	17C5	40	100	100	40	24.85	28.85	11.64	0.96	1.36	1.33
730	17D1	70	0	100	40	41.30	-30.30	24.55	1.46	0.91	2.65
731	17D2	70	20	100	40	36.61	-21.48	19.68	2.34	0.74	1.78
732	17D3	70	40	100	40	32.48	-12.69	15.47	1.77	0.60	2.18
733	17D4	70	70	100	40	25.74	0.93	9.05	1.73	0.54	2.21
734	17D5	70	100	100	40	20.40	14.71	3.78	1.24	1.08	2.17
735	17E01	100	0	100	40	36.28	-43.27	14.33	1.15	1.03	1.03
736	17E02	100	20	100	40	32.02	-35.04	11.43	1.42	1.14	1.73
737	17E03	100	40	100	40	28.35	-26.49	7.79	1.23	0.94	1.25
738	17E04	100	70	100	40	22.66	-13.44	1.82	0.97	1.00	1.20
739	17E05	100	100	100	40	17.43	0.56	-3.70	0.89	1.01	0.88
740	18A1	0	0	0	60	48.14	-0.23	1.15	2.58	0.15	0.32
741	18A2	0	20	0	60	43.05	7.76	-0.37	1.83	0.42	0.26
742	18A3	0	40	0	60	37.73	15.59	-1.37	2.03	0.66	0.27
743	18A4	0	70	0	60	31.03	27.61	-2.09	1.56	0.93	0.25
744	18A5	0	100	0	60	25.09	40.24	-2.09	0.97	1.16	0.66
745	18B1	20	0	0	60	44.05	-4.86	-4.62	2.06	0.31	0.26
746	18B2	20	20	0	60	38.80	2.69	-5.83	2.24	0.36	0.53
747	18B3	20	40	0	60	33.96	9.94	-6.70	2.14	0.67	0.59
748	18B4	20	70	0	60	28.21	21.68	-7.03	1.37	0.82	0.39
749	18B5	20	100	0	60	21.90	33.92	-7.25	1.54	1.56	0.39
750	18C1	40	0	0	60	39.94	-9.26	-9.83	2.54	0.65	0.52
751	18C2	40	20	0	60	35.98	-2.42	-10.54	2.14	0.36	0.83
752	18C3	40	40	0	60	31.46	4.95	-11.02	2.14	0.44	0.78

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
753	18C4	40	70	0	60	25.36	16.24	-11.72	1.56	0.61	0.76
754	18C5	40	100	0	60	19.43	27.99	-12.01	1.33	1.32	0.56
755	18D1	70	0	0	60	34.90	-15.51	-16.73	2.03	0.65	0.54
756	18D2	70	20	0	60	31.76	-9.27	-17.14	1.50	0.45	0.57
757	18D3	70	40	0	60	28.05	-2.48	-17.30	1.87	0.54	0.90
758	18D4	70	70	0	60	22.18	8.11	-17.80	0.94	0.74	0.62
759	18D5	70	100	0	60	16.70	19.46	-18.36	1.21	1.05	0.78
760	18E01	100	0	0	60	31.16	-22.93	-23.34	1.38	0.70	0.67
761	18E02	100	20	0	60	27.55	-16.35	-23.10	1.30	0.58	0.74
762	18E03	100	40	0	60	23.82	-9.80	-23.08	1.61	0.68	0.85
763	18E04	100	70	0	60	18.86	0.22	-23.03	1.11	0.49	0.80
764	18E05	100	100	0	60	14.02	10.72	-23.46	0.87	0.83	0.80
765	19A1	0	0	20	60	47.40	-1.51	9.07	2.07	0.17	0.54
766	19A2	0	20	20	60	42.22	6.23	7.20	2.13	0.38	0.61
767	19A3	0	40	20	60	37.69	14.15	5.74	1.69	0.66	0.46
768	19A4	0	70	20	60	31.11	26.41	4.03	1.12	0.89	0.38
769	19A5	0	100	20	60	24.61	38.89	3.33	1.01	1.34	0.41
770	19B1	20	0	20	60	43.10	-6.32	3.18	2.37	0.32	0.57
771	19B2	20	20	20	60	38.25	1.14	1.54	2.07	0.32	0.72
772	19B3	20	40	20	60	34.42	8.46	0.40	1.66	0.51	0.76
773	19B4	20	70	20	60	28.26	20.25	-0.83	1.37	0.91	0.49
774	19B5	20	100	20	60	22.09	32.29	-1.93	1.12	1.46	0.28
775	19C1	40	0	20	60	39.86	-11.18	-1.71	1.99	0.62	0.59
776	19C2	40	20	20	60	35.05	-3.77	-3.44	2.17	0.51	0.67
777	19C3	40	40	20	60	31.44	3.41	-4.62	1.60	0.54	1.39
778	19C4	40	70	20	60	25.04	14.25	-5.70	1.57	0.59	0.64
779	19C5	40	100	20	60	19.71	26.47	-6.55	1.12	1.16	0.46
780	19D1	70	0	20	60	34.81	-18.22	-9.05	1.93	0.78	0.68
781	19D2	70	20	20	60	30.82	-11.72	-9.85	1.75	0.45	0.56
782	19D3	70	40	20	60	27.37	-4.84	-10.86	1.40	0.35	0.98
783	19D4	70	70	20	60	22.12	6.10	-11.85	0.93	0.52	0.52
784	19D5	70	100	20	60	16.72	17.50	-13.10	1.28	0.96	0.61
785	19E1	100	0	20	60	31.05	-26.15	-15.23	1.41	0.84	0.50
786	19E2	100	20	20	60	27.23	-19.52	-15.92	1.27	0.72	0.86
787	19E3	100	40	20	60	23.71	-13.01	-16.57	1.14	0.67	0.64
788	19E4	100	70	20	60	18.70	-2.65	-17.43	1.19	0.61	0.84
789	19E5	100	100	20	60	14.05	8.05	-17.93	1.00	0.97	0.69
790	20A1	0	0	40	60	46.71	-2.43	16.69	2.02	0.18	0.80
791	20A2	0	20	40	60	41.48	5.22	14.11	2.43	0.42	0.92
792	20A3	0	40	40	60	37.06	13.30	12.02	1.54	0.61	0.58
793	20A4	0	70	40	60	30.78	25.62	9.54	1.19	0.83	0.61
794	20A5	0	100	40	60	24.84	37.59	7.82	1.02	1.21	0.51
795	20B1	20	0	40	60	43.09	-7.51	11.07	2.19	0.35	0.90
796	20B2	20	20	40	60	38.32	-0.03	8.78	1.97	0.36	0.96
797	20B3	20	40	40	60	34.54	7.03	7.19	1.58	0.47	0.89
798	20B4	20	70	40	60	27.94	19.17	4.41	1.09	0.75	0.73
799	20B5	20	100	40	60	22.14	30.84	2.68	1.47	1.42	0.42

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
800	20C1	40	0	40	60	38.94	-12.58	5.72	2.49	0.78	1.10
801	20C2	40	20	40	60	35.50	-5.46	3.61	1.81	0.56	1.50
802	20C3	40	40	40	60	31.11	1.47	2.13	1.67	0.63	1.11
803	20C4	40	70	40	60	25.21	12.91	0.37	1.87	0.81	0.55
804	20C5	40	100	40	60	19.70	24.70	-2.12	1.35	1.40	0.52
805	20D1	70	0	40	60	34.32	-20.03	-1.88	1.80	0.80	0.82
806	20D2	70	20	40	60	30.85	-13.31	-2.75	1.60	0.49	0.88
807	20D3	70	40	40	60	27.56	-6.98	-4.07	1.43	0.36	1.22
808	20D4	70	70	40	60	21.65	4.19	-6.41	1.21	0.44	0.87
809	20D5	70	100	40	60	16.85	15.33	-8.57	1.13	0.96	0.56
810	20E01	100	0	40	60	30.25	-29.23	-8.24	1.24	0.75	1.07
811	20E02	100	20	40	60	26.95	-22.02	-9.54	1.28	0.75	0.67
812	20E03	100	40	40	60	23.35	-15.90	-10.60	1.32	0.75	0.93
813	20E04	100	70	40	60	18.96	-5.22	-11.76	1.14	0.72	0.72
814	20E05	100	100	40	60	14.04	5.02	-13.70	1.08	0.67	0.96
815	21A1	0	0	70	60	46.24	-3.52	27.99	2.23	0.18	1.30
816	21A2	0	20	70	60	41.07	4.20	24.67	2.15	0.37	1.19
817	21A3	0	40	70	60	36.68	12.28	21.56	1.48	0.58	0.95
818	21A4	0	70	70	60	30.61	24.11	17.35	1.30	0.79	0.85
819	21A5	0	100	70	60	24.96	36.38	13.96	0.90	1.15	0.78
820	21B1	20	0	70	60	42.28	-8.72	22.53	2.19	0.30	1.41
821	21B2	20	20	70	60	37.70	-1.48	19.10	1.99	0.35	1.39
822	21B3	20	40	70	60	33.98	6.16	16.18	1.19	0.61	1.28
823	21B4	20	70	70	60	27.79	17.58	12.40	1.53	0.85	0.74
824	21B5	20	100	70	60	22.51	30.05	8.45	0.96	1.28	0.57
825	21C1	40	0	70	60	38.74	-14.18	16.44	1.65	0.62	1.15
826	21C2	40	20	70	60	35.21	-7.18	14.45	1.87	0.53	1.13
827	21C3	40	40	70	60	30.24	0.33	10.68	1.82	0.43	1.36
828	21C4	40	70	70	60	25.24	11.65	7.55	1.16	0.58	1.14
829	21C5	40	100	70	60	19.97	23.47	4.20	1.14	1.04	0.70
830	21D1	70	0	70	60	33.64	-22.24	8.82	1.69	0.77	0.93
831	21D2	70	20	70	60	30.71	-15.62	6.72	1.46	0.43	0.95
832	21D3	70	40	70	60	27.14	-9.22	4.75	1.39	0.59	1.63
833	21D4	70	70	70	60	21.93	2.11	1.43	1.22	0.72	0.74
834	21D5	70	100	70	60	17.10	13.23	-2.53	0.86	1.07	0.58
835	21E01	100	0	70	60	29.98	-31.86	1.57	1.12	0.78	0.56
836	21E02	100	20	70	60	26.28	-25.10	-0.95	1.21	0.77	0.68
837	21E03	100	40	70	60	23.02	-18.82	-2.07	1.21	0.84	0.84
838	21E04	100	70	70	60	18.16	-7.82	-4.91	1.30	0.56	0.68
839	21E05	100	100	70	60	14.49	2.16	-7.75	0.81	0.97	1.30
840	22A1	0	0	100	60	45.06	-4.25	40.21	2.26	0.20	1.98
841	22A2	0	20	100	60	40.55	3.45	35.39	2.19	0.35	1.76
842	22A3	0	40	100	60	36.51	11.39	31.68	1.55	0.66	1.55
843	22A4	0	70	100	60	30.43	23.33	24.34	1.06	0.78	1.10
844	22A5	0	100	100	60	24.79	35.12	19.25	1.22	1.43	1.17
845	22B1	20	0	100	60	41.15	-9.64	33.71	2.41	0.29	2.02
846	22B2	20	20	100	60	37.63	-2.58	30.03	1.95	0.25	1.53

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
847	22B3	20	40	100	60	32.82	4.98	24.73	1.98	0.65	1.89
848	22B4	20	70	100	60	27.73	16.67	19.60	1.19	0.80	1.29
849	22B5	20	100	100	60	22.17	28.61	13.63	0.86	1.22	1.33
850	22C1	40	0	100	60	37.85	-15.03	27.26	2.23	0.62	1.75
851	22C2	40	20	100	60	34.56	-8.34	24.49	1.88	0.50	2.04
852	22C3	40	40	100	60	29.97	-0.86	19.60	2.15	0.42	1.76
853	22C4	40	70	100	60	25.12	10.63	14.27	1.46	0.46	1.68
854	22C5	40	100	100	60	19.90	22.05	9.12	1.13	1.41	0.87
855	22D1	70	0	100	60	32.94	-23.84	19.15	2.08	0.94	1.71
856	22D2	70	20	100	60	29.93	-17.29	15.74	1.15	0.46	1.64
857	22D3	70	40	100	60	26.31	-10.29	12.35	1.45	0.40	1.55
858	22D4	70	70	100	60	21.37	0.58	7.26	1.39	0.48	1.10
859	22D5	70	100	100	60	16.78	12.18	2.26	0.88	1.22	0.73
860	22E01	100	0	100	60	29.29	-34.29	11.60	1.16	1.31	1.22
861	22E02	100	20	100	60	25.94	-27.84	8.84	1.45	1.18	1.86
862	22E03	100	40	100	60	22.36	-21.15	5.66	1.41	0.91	1.75
863	22E04	100	70	100	60	18.41	-10.45	1.05	0.84	0.63	1.33
864	22E05	100	100	100	60	13.99	0.85	-3.06	1.01	1.16	0.89
865	23A1	0	0	0	80	34.05	0.10	1.14	2.12	0.14	0.31
866	23A2	0	40	0	80	27.16	11.62	-0.45	1.66	0.62	0.28
867	23A3	0	70	0	80	22.54	20.65	-0.91	1.13	0.73	0.22
868	23A4	0	100	0	80	17.67	29.09	-0.89	1.05	1.10	0.27
869	23B1	40	0	0	80	28.72	-6.53	-6.75	2.12	0.43	0.34
870	23B2	40	40	0	80	23.04	3.86	-7.65	1.43	0.59	0.76
871	23B3	40	70	0	80	18.36	12.00	-8.00	1.36	0.62	0.64
872	23B4	40	100	0	80	14.76	20.69	-8.06	0.92	1.05	0.27
873	23C1	70	0	0	80	26.06	-11.73	-12.24	1.25	0.48	0.39
874	23C2	70	40	0	80	20.58	-1.39	-12.28	1.12	0.33	0.53
875	23C3	70	70	0	80	16.26	6.43	-12.55	1.24	0.50	0.71
876	23C4	70	100	0	80	13.02	14.45	-12.65	0.63	0.74	0.37
877	23D1	100	0	0	80	23.60	-16.84	-16.70	1.07	0.64	0.47
878	23D2	100	40	0	80	18.01	-6.58	-16.17	1.02	0.44	0.53
879	23D3	100	70	0	80	14.50	1.00	-16.19	1.03	0.31	0.63
880	23D4	100	100	0	80	10.93	8.29	-16.00	1.08	0.48	0.59
881	24A1	0	0	40	80	32.97	-1.63	11.90	2.41	0.16	0.78
882	24A2	0	40	40	80	26.86	9.63	8.78	1.51	0.43	0.64
883	24A3	0	70	40	80	22.39	18.35	6.86	1.23	0.69	0.56
884	24A4	0	100	40	80	18.13	26.55	5.53	1.08	0.91	0.42
885	24B1	40	0	40	80	28.85	-8.95	4.23	1.50	0.40	0.55
886	24B2	40	40	40	80	22.90	1.37	1.85	1.53	0.38	1.04
887	24B3	40	70	40	80	18.71	9.45	0.25	1.24	0.51	0.72
888	24B4	40	100	40	80	14.93	18.06	-1.19	1.19	0.96	0.34
889	24C1	70	0	40	80	25.66	-14.73	-1.02	1.46	0.52	0.56
890	24C2	70	40	40	80	20.10	-4.57	-3.18	1.46	0.42	0.79
891	24C3	70	70	40	80	16.44	3.31	-4.11	0.88	0.32	0.70
892	24C4	70	100	40	80	12.75	10.79	-5.48	1.24	0.76	0.47
893	24D1	100	0	40	80	22.03	-20.29	-5.75	1.45	0.85	0.86

Patch		Inputs				Center Points			Tolerances		
Num.	ID	C	M	Y	K	L*	a*	b*	σ_{L^*}	σ_{a^*}	σ_{b^*}
894	24D2	100	40	40	80	17.87	-10.70	-6.92	1.11	0.52	0.59
895	24D3	100	70	40	80	14.26	-3.31	-8.08	1.04	0.47	0.48
896	24D4	100	100	40	80	11.14	4.22	-8.94	0.95	0.58	0.86
897	25A1	0	0	70	80	32.84	-2.58	19.86	2.18	0.17	1.10
898	25A2	0	40	70	80	26.53	8.56	14.93	1.85	0.55	0.96
899	25A3	0	70	70	80	22.29	17.35	11.90	1.03	0.73	0.67
900	25A4	0	100	70	80	18.21	25.53	9.58	1.10	1.01	0.66
901	25B1	40	0	70	80	28.30	-10.38	11.66	1.65	0.50	1.08
902	25B2	40	40	70	80	23.38	-0.17	8.59	1.13	0.39	1.10
903	25B3	40	70	70	80	18.60	7.89	5.17	1.16	0.64	0.89
904	25B4	40	100	70	80	14.91	16.05	2.77	1.27	1.18	0.69
905	25C1	70	0	70	80	25.28	-16.28	6.34	1.09	0.44	0.67
906	25C2	70	40	70	80	20.08	-6.21	3.00	1.41	0.23	0.82
907	25C3	70	70	70	80	16.05	1.43	0.92	1.32	0.27	0.83
908	25C4	70	100	70	80	13.01	8.98	-1.34	0.93	1.02	0.82
909	25D1	100	0	70	80	22.26	-22.85	1.46	1.14	0.88	0.74
910	25D2	100	40	70	80	17.39	-12.76	-1.48	1.13	0.59	0.82
911	25D3	100	70	70	80	14.10	-5.19	-3.27	0.99	0.48	0.92
912	25D4	100	100	70	80	11.10	1.95	-4.74	1.00	0.63	0.60
913	26A1	0	0	100	80	32.67	-3.26	27.13	1.83	0.17	1.55
914	26A2	0	40	100	80	26.31	7.75	21.17	1.46	0.54	1.34
915	26A3	0	70	100	80	21.95	16.31	16.94	1.19	0.83	1.13
916	26A4	0	100	100	80	18.10	24.42	12.79	1.30	0.92	0.67
917	26B1	40	0	100	80	27.73	-11.14	18.60	1.65	0.36	1.45
918	26B2	40	40	100	80	22.69	-1.00	13.46	1.19	0.28	1.14
919	26B3	40	70	100	80	18.42	7.23	9.55	1.09	0.46	0.93
920	26B4	40	100	100	80	15.07	15.12	6.03	1.06	0.97	0.68
921	26C1	70	0	100	80	24.74	-17.40	12.98	1.50	0.46	1.09
922	26C2	70	40	100	80	19.88	-7.49	8.22	1.51	0.26	1.30
923	26C3	70	70	100	80	16.07	0.46	4.96	1.15	0.35	1.04
924	26C4	70	100	100	80	12.84	7.59	2.30	1.17	0.85	0.99
925	26D1	100	0	100	80	22.36	-24.55	8.62	0.90	0.69	0.92
926	26D2	100	40	100	80	17.32	-14.45	4.18	1.03	0.61	1.20
927	26D3	100	70	100	80	14.16	-6.84	1.18	1.09	0.64	1.05
928	26D4	100	100	100	80	11.44	0.61	-1.10	0.74	0.57	0.55

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