UGRA
Display Analysis & Certification Tool
Report

Basics

Date:	2019-5-12 22:51:54
Report-Version:	v2.0.0
Monitor-Name:	\\.\DISPLAY1
EDID-Name:	PHL 326M6V
EDID-Serial:	
Profile:	C:/Windows/system32/spool/drivers/color/PHL_326M6V-5800K-18.icm
Created:	2019-5-12 22:36
Measurement device:	i1Pro, Rev. 3, Serial: 342165
Evaluation method:	UDACT v2.0

Summary

Calibration (Reference Whitepoint: 5800.00 Kelvin)

White Point	yes
Gray balance	yes
Tone values	yes
Profile quality	yes
Gamut ability	no

The monitor has not passed the certification according to the UDACT v2.0 specifications.

Softproof quality (depends on the calibration verification)

ISO Coated v2 (FOGRA39L)	no
sRGB	no
AdobeRGB	no
ECI-RGB v2.0	no

Diagram

White-Point

Gray Balance

Tone values

Profile Quality

Softproof Quality

Whitepoint

The whitepoint should be as close as possible to the black body curve and the calibration target. The maximum allowed distance to the target whitepoint is 2.0 dE00.

XYZ (measured):	154.33 162.04 157.00
XYZ (normalized):	95.25 100.00 96.89
xy:	0.3260 0.3423
Luminance:	162.0 Cd/m2
Next Temperature:	5785 Kelvin
Reference Whitepoint:	5800.0 Kelvin
Deviation XYZ to Reference Whitepoint:	0.6 dE00
	0.5 dE76

Blackpoint

The blackpoint is not defined in ISO 12646. Therefore UDACT does only measure but not assess it.

Luminance:	0.0 Cd/m2
Chromaticity:	0.4 Chroma (Lab)

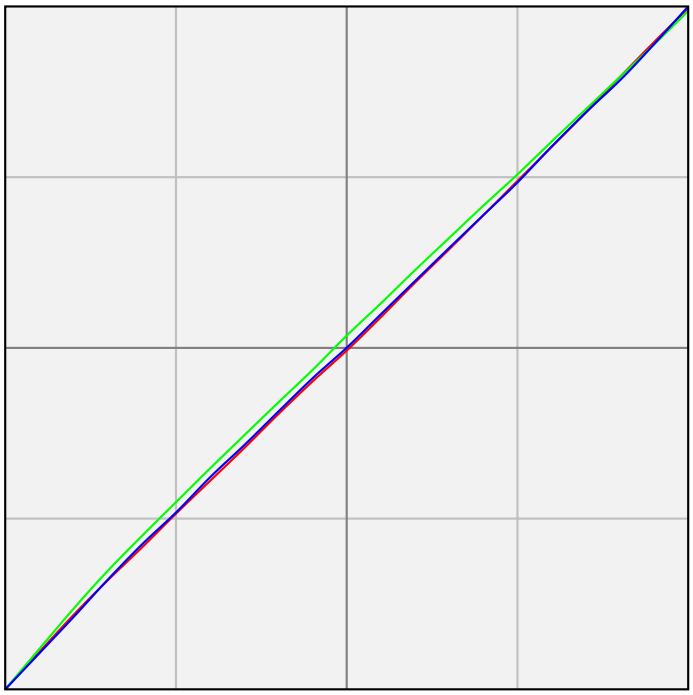
Gray balance

Average and maximum calculation will respect measurements with 1% minimum luminance only. The L-deviation shows the difference between the profile and measurement value.
The maximum allowed deviations to comply with this test are an average of 1.0 DeltaC, a range of 2.0 DeltaC. A maximum L-deviation of 2.3 dL00 in the luminance range of 20%-100% shall not be exceeded.

%	Kelvin	Cd/m2	L	Chroma	Gamma	Delta-L
0	4081	0.03	0.19	0.38		
5	6305	0.68	3.80	1.10	1.83	+0.1
10	5730	2.48	12.80	0.85	1.82	+0.0
15	5819	5.20	20.87	0.20	1.82	-0.1
20	5804	8.84	27.99	0.12	1.81	-0.2
25	5706	12.86	33.85	0.55	1.83	-0.3
30	5847	18.21	39.98	0.52	1.81	-0.1
35	5770	24.20	45.54	0.12	1.81	-0.1
40	5740	30.89	50.76	0.94	1.80	-0.2
45	5776	37.88	55.46	0.10	1.82	-0.1
50	5767	45.90	60.18	0.45	1.83	-0.2
55	5783	54.70	64.77	0.20	1.82	-0.2
60	5823	64.49	69.33	0.29	1.80	-0.0
65	5765	73.43	73.10	0.30	1.84	-0.2
70	5771	83.90	77.15	1.11	1.83	-0.3
75	5764	95.22	81.16	0.71	1.84	-0.4
80	5787	107.75	85.25	0.58	1.82	-0.2
85	5783	119.17	88.71	0.75	1.87	-0.3
90	5764	133.27	92.68	0.30	1.85	-0.1
95	5791	147.01	96.30	0.37	1.86	-0.1
100	5785	162.04	100.00	0.00		
Average	5778			0.44	1.83	0.2
Max				1.11		0.4
Range				1.54		

Tone values

This tests checks the calibration curves (vcgt) of the graphic card. Through the calibration of a display tone values can be lost. A display for the printing industry should show at least 95% of the incoming tone values.



Tone values = 97.5%

Profile Quality

This test displays and measures RGB values and compares them with the transformation of the profile. The maximum allowed deviations to comply with this test are an average of 2.0 dE00 and a maximum of 4.0 dE00.

The Lab values are calculated, based on the measured white point (xy: 0.3260 0.3423).

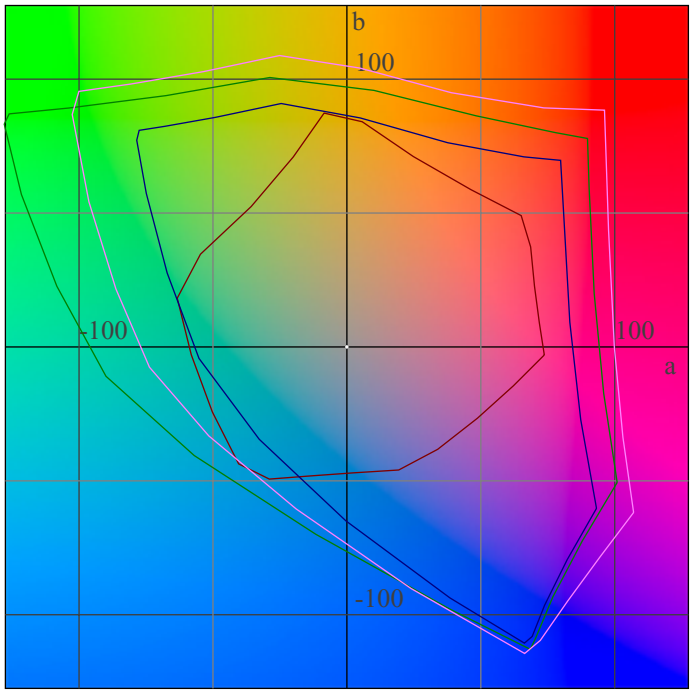
The assumed chromatic adaptation is: CAT02

RGB	Lab	deltaLab	dE76	dE00
0 0 0	0.2 0.3 -0.2	-0.2 -0.3 0.2	0.4	0.5
0 0 128	12.1 48.7 -76.6	2.1 -3.4 -0.1	4.0	2.2
0 0 255	28.8 70.3 -117.0	0.9 -1.7 1.0	2.2	0.9
0 128 0	51.3 -70.5 60.4	0.9 1.7 2.6	3.3	1.4
0 128 128	53.4 -48.1 -10.2	0.8 2.1 -0.8	2.4	1.2
0 170 255	69.1 -34.2 -50.4	0.5 1.4 0.7	1.6	0.6
0 255 0	87.4 -103.7 98.6	-0.1 -0.3 -3.2	3.2	0.7
0 255 170	88.6 -85.6 21.1	0.0 -0.3 -1.1	1.1	0.4
0 255 255	90.2 -69.5 -16.2	0.0 0.1 -0.5	0.5	0.2
85 85 85	43.9 0.1 0.0	0.1 -0.1 -0.0	0.2	0.2
128 0 0	31.0 63.8 49.0	0.3 0.6 2.8	2.9	1.1
128 0 128	34.4 72.2 -39.9	0.6 -1.1 -1.1	1.7	0.8
128 128 0	58.8 -11.1 70.2	0.3 0.5 3.5	3.6	1.0
128 128 128	60.6 -0.4 0.3	0.1 0.4 -0.3	0.5	0.7
128 128 255	64.5 19.9 -57.7	-0.1 0.8 -0.1	0.8	0.5
128 255 128	91.4 -59.7 45.7	-0.2 -1.9 -0.3	1.9	0.6
170 0 255	48.5 92.5 -83.6	0.3 -1.1 0.2	1.1	0.4
170 170 170	74.8 0.2 -0.0	0.1 -0.2 0.0	0.3	0.3
170 255 0	92.7 -50.8 106.0	-0.3 -1.2 -2.5	2.8	0.8
170 255 255	95.3 -28.6 -7.8	-0.2 -1.4 -0.5	1.5	0.6
255 0 0	55.2 97.5 88.2	0.2 -0.1 0.5	0.6	0.3
255 0 170	57.8 103.6 -25.5	0.5 -1.2 0.3	1.3	0.5
255 0 255	60.8 108.2 -62.7	0.4 -0.7 0.7	1.1	0.4
255 128 128	73.4 51.0 20.3	-0.2 1.4 0.8	1.6	0.5
255 170 0	80.3 24.3 97.2	0.1 1.2 1.4	1.9	0.5
255 170 255	83.8 39.7 -25.8	-0.1 1.6 0.2	1.6	0.7
255 255 0	97.7 -16.2 114.7	-0.1 0.2 -3.3	3.3	0.5
255 255 170	98.8 -7.5 36.0	-0.0 -0.5 0.9	1.1	0.4
255 255 255	100.0 0.0 0.0	0.0 0.0 0.0	0.0	0.0
170 85 85	54.0 41.6 16.2	-0.2 -0.3 0.4	0.5	0.4
85 170 85	67.9 -49.0 35.0	0.2 0.5 0.8	0.9	0.4
85 85 170	46.5 16.8 -45.2	0.4 -0.5 -0.3	0.7	0.6
85 170 170	69.3 -35.0 -9.0	0.3 0.5 -0.1	0.6	0.3
170 85 170	56.0 49.9 -29.4	0.0 -0.6 -0.5	0.8	0.4
170 170 85	73.6 -8.7 43.8	0.0 -0.1 1.2	1.2	0.4
Average			1.5	0.6
Maximum			4.0	2.2

Gamut-Volume

These measurements are only informative.

ISO Coated v2 (FOGRA39L)	96 %
sRGB	100 %
AdobeRGB	90 %
ECI-RGB v2.0	84 %



AdobeRGB
sRGB
ISO Coated v2 (FOGRA39L)
Monitor

Softproof Quality

The measurements are converted to Lab values based on the measured whitepoint (xy: 0.3260 0.3423) and compared with the selected reference.The maximum allowed deviations to comply with this test are an average of 2.0 dE00 and a minimum Gamut volume of 90% for ISO Coated v2 (FOGRA39L).

		Limit	dE00
Average		2.0	0.8
Maximum		4.0	4.6
Primaries		5.0	4.6
Composite Gray Max		3.0	1.3

Reference (Lab)	Measurement (Lab)	Measurement (Yxy)	dE76	dE00
55.0 -37.0 -50.0	55.7 -25.3 -47.3	23.62 0.1900 0.2546	12.0	4.6
66.9 -24.7 -37.1	66.4 -24.8 -37.4	35.87 0.2257 0.2909	0.5	0.4
79.7 -12.5 -21.8	79.3 -12.0 -22.0	55.38 0.2861 0.3242	0.8	0.5
87.7 -5.8 -11.8	87.4 -4.8 -12.4	70.80 0.3171 0.3398	1.2	1.2
91.5 -3.0 -7.0	91.5 -3.1 -7.0	79.49 0.3295 0.3488	0.2	0.2
48.0 74.0 -3.0	48.3 74.9 -3.1	16.99 0.5103 0.2582	0.9	0.3
60.8 50.6 -6.7	60.8 51.0 -7.1	28.96 0.4302 0.2901	0.6	0.2
76.4 25.8 -6.9	76.4 25.6 -6.3	50.49 0.3762 0.3237	0.6	0.3
86.2 12.0 -5.2	85.9 12.2 -5.8	67.83 0.3542 0.3383	0.7	0.5
90.7 5.9 -3.9	90.5 5.9 -3.8	77.42 0.3480 0.3474	0.2	0.1
89.0 -5.0 93.0	89.0 -5.2 91.2	74.14 0.4582 0.4921	1.8	0.4
90.3 -4.7 62.6	90.4 -4.5 60.7	77.06 0.4288 0.4581	1.9	0.5
92.2 -3.5 31.1	92.2 -3.5 30.8	81.11 0.3891 0.4127	0.4	0.2
93.6 -1.6 13.3	93.4 -1.0 12.8	83.80 0.3648 0.3809	0.8	0.8
94.3 -0.9 5.4	94.1 -0.4 4.7	85.52 0.3528 0.3668	0.9	0.9
89.0 0.0 -1.8	88.7 0.7 -2.4	73.56 0.3428 0.3538	0.9	1.1
82.8 0.0 -1.7	82.5 0.9 -2.4	61.14 0.3428 0.3532	1.2	1.5
69.3 0.0 -1.4	69.3 -0.4 -1.2	39.76 0.3426 0.3564	0.4	0.6
54.1 0.0 -1.0	54.0 0.4 -1.0	21.93 0.3441 0.3553	0.5	0.7
36.6 -0.0 -0.5	36.2 -0.1 -0.6	9.10 0.3432 0.3565	0.5	0.4
16.0 0.0 0.0	16.2 0.3 -0.7	2.13 0.3435 0.3537	0.8	0.8
10.4 13.9 1.4	10.4 14.6 0.7	1.18 0.4370 0.3155	0.9	0.7
33.4 25.4 20.9	33.6 25.5 20.5	7.84 0.4979 0.3685	0.5	0.3
34.4 -3.3 22.3	34.4 -3.6 21.4	8.20 0.4042 0.4405	0.9	0.6
24.0 22.0 -46.0	23.1 23.9 -46.8	3.82 0.2225 0.1550	2.3	1.1
40.9 17.9 -36.6	40.4 18.9 -36.6	11.51 0.2769 0.2294	1.1	0.8
63.7 10.3 -23.8	63.3 10.9 -24.0	31.89 0.3115 0.2941	0.8	0.5
79.4 5.1 -13.6	79.1 6.2 -14.5	55.12 0.3283 0.3255	1.4	1.2
87.2 2.6 -8.1	86.9 3.1 -8.2	69.87 0.3361 0.3413	0.6	0.7
47.0 68.0 48.0	47.4 68.0 46.5	16.30 0.6189 0.3296	1.6	0.8
58.5 47.1 37.9	58.6 47.6 36.8	26.64 0.5286 0.3624	1.2	0.7
74.2 22.9 21.4	74.3 22.9 20.8	47.10 0.4269 0.3730	0.6	0.3
85.0 10.0 9.8	84.6 10.3 8.8	65.25 0.3775 0.3649	1.1	1.0
90.0 4.7 3.7	89.6 5.5 2.6	75.49 0.3584 0.3585	1.4	1.4
50.0 -65.0 27.0	49.8 -61.7 27.8	18.24 0.2541 0.5504	3.4	1.1
62.1 -39.8 21.0	62.1 -40.6 20.9	30.47 0.3045 0.4645	0.8	0.3
77.0 -19.1 11.0	76.7 -18.4 10.5	50.96 0.3335 0.3985	0.9	0.5
86.3 -8.4 4.2	86.0 -7.5 3.6	68.04 0.3402 0.3715	1.1	1.0
90.8 -4.1 0.9	90.7 -3.9 0.8	77.86 0.3413 0.3631	0.3	0.3
88.5 -0.4 -3.1	88.3 0.1 -3.5	72.68 0.3399 0.3523	0.7	0.8

82.0 -0.9 -4.1	81.6 -0.3 -4.8	59.62 0.3363 0.3496	1.0	1.0
67.7 -2.0 -4.4	67.5 -2.2 -4.0	37.32 0.3330 0.3518	0.5	0.5
52.2 -2.5 -3.5	51.9 -1.6 -4.1	20.08 0.3312 0.3492	1.1	1.3
37.5 -3.9 -3.1	37.3 -3.8 -2.6	9.73 0.3259 0.3552	0.5	0.5
26.3 -6.8 -3.4	26.2 -7.4 -3.1	4.82 0.3056 0.3590	0.7	0.7
10.4 -8.2 -10.2	10.6 -8.2 -10.0	1.21 0.2366 0.3065	0.3	0.2
24.3 32.7 13.1	24.6 32.4 11.8	4.29 0.5211 0.3248	1.4	0.8
24.7 -17.0 7.5	24.5 -17.1 6.6	4.25 0.3049 0.4313	0.9	0.6
23.0 0.0 0.0	22.7 -0.0 0.5	3.72 0.3480 0.3612	0.6	0.6
38.5 6.6 3.9	38.5 7.0 4.2	10.37 0.3800 0.3607	0.6	0.5
61.5 5.4 3.8	61.3 5.6 3.9	29.65 0.3661 0.3611	0.3	0.3
78.1 2.9 0.9	77.7 4.0 0.4	52.78 0.3531 0.3556	1.3	1.5
86.6 1.5 -0.7	86.4 2.0 -1.1	68.74 0.3467 0.3548	0.7	0.8
53.1 37.7 28.9	53.4 37.9 28.8	21.44 0.5032 0.3651	0.4	0.3
41.5 22.7 16.8	41.5 23.4 16.7	12.16 0.4616 0.3653	0.6	0.4
31.9 40.0 24.0	32.4 40.4 23.4	7.25 0.5566 0.3391	0.9	0.6
32.5 44.4 -1.8	32.7 45.5 -1.1	7.41 0.4833 0.2783	1.3	0.5
51.3 1.3 44.5	51.2 1.1 42.6	19.42 0.4466 0.4579	1.9	0.7
34.6 -36.4 13.9	34.5 -37.2 13.9	8.25 0.2694 0.4904	0.8	0.3
36.0 -26.2 -20.9	35.6 -27.2 -20.4	8.78 0.2046 0.3142	1.2	0.7
20.9 9.6 -23.6	20.4 10.6 -23.6	3.10 0.2717 0.2317	1.1	0.9
71.2 18.8 17.3	71.2 19.0 17.0	42.52 0.4149 0.3712	0.3	0.2
71.2 22.2 73.1	71.4 21.3 71.0	42.84 0.5033 0.4426	2.3	0.6
47.7 71.2 16.2	48.1 71.6 16.3	16.88 0.5602 0.2910	0.5	0.4
38.0 55.4 -20.9	37.9 56.2 -20.8	10.05 0.4235 0.2295	0.8	0.3
73.7 -22.8 67.6	73.3 -22.7 65.3	45.60 0.4096 0.5099	2.3	0.7
52.3 -52.3 -20.2	52.7 -42.7 -18.0	20.80 0.2110 0.3491	9.9	3.1
43.3 -17.0 -48.6	42.5 -13.1 -47.9	12.82 0.1840 0.2239	4.1	2.3
95.0 0.0 -2.0	94.9 0.4 -2.0	87.31 0.3430 0.3548	0.4	0.6
15.7 -3.1 11.7	15.9 -3.0 10.4	2.08 0.3853 0.4270	1.3	0.9
34.7 28.5 -4.0	34.8 29.0 -3.2	8.41 0.4218 0.3013	0.9	0.5
25.8 -11.0 -14.4	25.6 -10.8 -13.8	4.60 0.2500 0.3127	0.7	0.4
Average			1.3	0.8
Gamut-Volume				96 %

Measurement Data

This table lists all RGB measurements. The XYZ values represent the values from the measurement device.

RGB	XYZ	Yxy
255 255 255	154.33 162.04 157.00	162.04 0.3260 0.3423
0 0 0	0.05 0.03 0.05	0.03 0.3471 0.2575
12 12 12	0.67 0.68 0.76	0.68 0.3171 0.3231
25 25 25	2.41 2.48 2.46	2.48 0.3274 0.3376
38 38 38	4.94 5.20 5.04	5.20 0.3253 0.3428
51 51 51	8.42 8.84 8.60	8.84 0.3256 0.3417
63 63 63	12.34 12.86 12.45	12.86 0.3278 0.3416
76 76 76	17.37 18.21 17.92	18.21 0.3248 0.3403
89 89 89	23.08 24.20 23.43	24.20 0.3264 0.3422
102 102 102	29.69 30.89 30.19	30.89 0.3271 0.3403
114 114 114	36.07 37.88 36.62	37.88 0.3262 0.3426
127 127 127	43.61 45.90 44.10	45.90 0.3264 0.3435
140 140 140	52.18 54.70 53.13	54.70 0.3261 0.3419
153 153 153	61.33 64.49 62.77	64.49 0.3252 0.3420
165 165 165	70.10 73.43 71.18	73.43 0.3265 0.3420
178 178 178	80.48 83.90 82.18	83.90 0.3264 0.3403
191 191 191	91.12 95.22 92.71	95.22 0.3265 0.3412
204 204 204	102.95 107.75 105.06	107.75 0.3260 0.3412
216 216 216	113.96 119.17 116.31	119.17 0.3261 0.3410
229 229 229	127.17 133.27 129.05	133.27 0.3265 0.3422
242 242 242	140.24 147.01 143.04	147.01 0.3259 0.3417
0 0 128	7.14 2.71 38.30	2.71 0.1484 0.0562
0 0 255	26.63 10.83 143.43	10.83 0.1472 0.0599
0 128 0	12.45 31.58 3.46	31.58 0.2622 0.6649
0 128 128	19.96 34.96 42.92	34.96 0.2040 0.3573
0 170 255	48.25 65.17 149.78	65.17 0.1833 0.2476
0 255 0	46.91 114.29 10.21	114.29 0.2737 0.6668
0 255 170	59.71 119.18 79.36	119.18 0.2312 0.4615
0 255 255	73.76 125.26 154.99	125.26 0.2084 0.3538
85 85 85	21.24 22.27 21.57	22.27 0.3264 0.3422
128 0 0	22.83 10.45 0.48	10.45 0.6763 0.3095
128 0 128	30.62 13.42 40.04	13.42 0.3642 0.1596
128 128 0	36.09 43.00 4.10	43.00 0.4339 0.5169
128 128 128	44.27 46.64 44.84	46.64 0.3261 0.3436
128 128 255	63.82 55.17 148.47	55.17 0.2386 0.2063
128 255 128	79.33 128.45 53.53	128.45 0.3036 0.4916
170 0 255	66.02 28.81 144.69	28.81 0.2756 0.1203
170 170 170	74.13 77.71 75.36	77.71 0.3263 0.3420
170 255 0	86.86 132.55 10.98	132.55 0.3770 0.5753
170 255 255	114.27 143.76 156.26	143.76 0.2758 0.3470
255 0 0	80.07 36.45 0.86	36.45 0.6821 0.3105
255 0 170	92.90 41.37 69.83	41.37 0.4552 0.2027
255 0 255	106.92 47.38 145.45	47.38 0.3567 0.1581
255 128 128	101.37 73.40 47.08	73.40 0.4569 0.3308
255 170 0	101.89 91.40 6.67	91.40 0.5095 0.4571
255 170 255	129.31 103.38 151.94	103.38 0.3362 0.2688
255 255 0	127.22 150.96 10.96	150.96 0.4400 0.5221
255 255 170	140.71 156.12 83.42	156.12 0.3701 0.4106
170 85 85	49.47 35.31 22.46	35.31 0.4613 0.3292
85 170 85	36.91 61.16 25.94	61.16 0.2976 0.4932
85 85 170	30.29 25.82 70.06	25.82 0.2401 0.2047

85 170 170	45.92 64.69 74.44	64.69 0.2482 0.3496
170 85 170	58.57 38.90 71.02	38.90 0.3476 0.2309
170 170 85	65.06 74.15 26.77	74.15 0.3920 0.4468
0 128 204	30.20 39.13 97.83	39.13 0.1807 0.2341
66 158 218	46.44 58.98 113.23	58.98 0.2124 0.2697
146 192 230	79.53 90.32 126.56	90.32 0.2683 0.3047
193 215 237	106.57 115.07 135.97	115.07 0.2980 0.3218
214 227 240	120.69 129.02 139.51	129.02 0.3101 0.3315
187 38 102	53.51 27.19 29.00	27.19 0.4878 0.2478
198 96 142	68.70 46.70 53.15	46.70 0.4076 0.2771
214 159 189	94.04 81.71 89.09	81.71 0.3551 0.3085
225 199 218	113.92 109.93 117.36	109.93 0.3339 0.3222
230 218 230	124.33 125.47 129.16	125.47 0.3281 0.3311
239 218 37	107.37 118.92 14.56	118.92 0.4458 0.4938
239 223 97	112.86 123.87 36.49	123.87 0.4131 0.4534
237 229 162	120.78 130.81 74.29	130.81 0.3706 0.4014
237 233 203	127.71 135.49 106.58	135.49 0.3454 0.3664
236 235 223	131.37 138.46 124.48	138.46 0.3332 0.3511
215 216 220	114.19 119.24 120.04	119.24 0.3231 0.3373
194 195 199	95.08 99.11 100.12	99.11 0.3231 0.3368
152 153 155	61.22 64.44 63.91	64.44 0.3230 0.3399
110 110 112	34.02 35.54 35.32	35.54 0.3244 0.3389
68 68 69	14.03 14.75 14.59	14.75 0.3235 0.3401
30 30 30	3.32 3.46 3.47	3.46 0.3238 0.3372
32 17 21	2.60 1.90 1.76	1.90 0.4155 0.3031
93 50 37	16.69 12.55 5.44	12.55 0.4813 0.3620
66 65 36	11.82 13.20 5.53	13.20 0.3869 0.4321
40 35 105	9.46 6.43 29.11	6.43 0.2101 0.1429
80 70 136	23.08 18.94 47.03	18.94 0.2592 0.2127
138 131 181	54.98 51.99 81.30	51.99 0.2920 0.2762
185 181 213	89.72 89.57 111.47	89.57 0.3086 0.3081
209 208 227	110.60 113.38 125.64	113.38 0.3163 0.3243
184 43 32	48.07 25.83 4.94	25.83 0.6097 0.3276
198 92 65	61.13 42.55 15.35	42.55 0.5136 0.3575
214 153 129	85.30 75.81 48.16	75.81 0.4076 0.3622
225 196 183	107.53 105.45 87.72	105.45 0.3576 0.3507
230 216 212	120.58 122.20 113.46	122.20 0.3385 0.3430
0 121 58	13.14 29.55 12.37	29.55 0.2387 0.5367
79 149 95	31.55 49.34 28.90	49.34 0.2874 0.4494
150 186 154	67.94 82.53 65.27	82.53 0.3149 0.3826
194 212 198	99.60 110.24 100.49	110.24 0.3209 0.3552
215 225 220	117.13 126.19 120.68	126.19 0.3218 0.3467
212 215 221	112.46 117.85 120.83	117.85 0.3203 0.3356
188 193 201	92.06 96.71 101.87	96.71 0.3167 0.3327
142 149 156	56.71 60.55 63.61	60.55 0.3135 0.3348
100 106 111	30.59 32.58 34.95	32.58 0.3118 0.3321
64 72 74	14.33 15.79 16.61	15.79 0.3067 0.3378
39 50 51	6.61 7.83 8.56	7.83 0.2872 0.3405
11 24 31	1.55 1.99 3.43	1.99 0.2223 0.2852
76 29 31	10.87 6.85 3.88	6.85 0.5031 0.3171
29 49 36	4.78 6.89 4.95	6.89 0.2874 0.4145
41 41 41	5.74 6.03 5.70	6.03 0.3283 0.3452
82 70 67	17.41 16.76 14.20	16.76 0.3599 0.3465
140 127 124	47.95 47.96 42.64	47.96 0.3461 0.3461
186 178 178	83.85 85.49 82.30	85.49 0.3332 0.3397
210 207 209	107.57 111.39 110.03	111.39 0.3270 0.3386

166 86 65	46.54 34.30 14.79	34.30 0.4866 0.3587
111 68 57	24.28 19.53 11.00	19.53 0.4430 0.3563
104 38 32	18.73 11.55 4.27	11.55 0.5420 0.3343
106 36 63	20.50 11.89 12.09	11.89 0.4610 0.2672
117 102 39	29.60 31.18 7.78	31.18 0.4317 0.4548
22 75 45	7.16 13.39 7.71	13.39 0.2534 0.4738
3 76 96	9.57 14.43 25.55	14.43 0.1931 0.2912
37 35 66	6.05 5.11 12.63	5.11 0.2544 0.2147
196 147 128	75.32 68.51 46.69	68.51 0.3953 0.3596
213 145 37	76.04 68.54 10.16	68.54 0.4914 0.4429
187 41 73	51.38 26.87 16.48	26.87 0.5424 0.2836
127 37 103	29.93 16.25 28.89	16.25 0.3987 0.2165
153 177 47	56.97 73.33 13.86	73.33 0.3952 0.5087
0 125 139	20.80 34.08 49.82	34.08 0.1987 0.3255
0 91 164	18.27 21.36 64.37	21.36 0.1757 0.2054
236 237 241	135.24 141.53 141.47	141.53 0.3234 0.3384
29 30 19	2.95 3.35 1.74	3.35 0.3672 0.4162
94 51 70	18.83 13.57 14.72	13.57 0.3997 0.2880
27 50 64	6.06 7.53 12.23	7.53 0.2346 0.2917