http://130.149.60.45/~farbmetrik/TF07/TF07L0N1.TXT /.PS; sortie de production

TUB matériel: code=fha4ta

TUB enregistrement: 20130201-TF07/TF07L0N1.TXT /.PS application pour la mesure de sortie sur écran

voir des fichiers similaires: http://130.149.60.45/~farbmetrik/TF07/TF07L0N1.TXT informations techniques: http://130.149.60.45/~farbmetrik/TF07/TF07_HTM

CIE data, for example rgb_{sRGB} XYZ_{XYZ}, $LabCh^*$, $YABCh_{\alpha}$ and λ_{d^*} λ_c for all device colours of maximum (m) chromatic value for D65 and Y_w=100 and 89

rgb_1	X, Y, Z_{XYZ}	$L^*, a^*, b^*, C^*_{ab}, h_{ab}, \alpha^*, b^*, c^*_{ab}{}_{100}$	$H^*, A, B, C_{ab}, h_{AB}, \alpha, b, c_{AB}{}_{100}$	$L^*, h_{d^*}, \lambda_{d^*}, r_{d^*}, \lambda_{c^*}$	X, Y, Z_{Yw}	$L^*, a^*, b^*, C^*_{ab}, h_{ab}$
1.000 0.000 0.000 m	41.2 31.3 1.9	64.0 133.3 0.4	283.1 67.5 104.6 40.0 0.273 −0.093 0.135	213.3 21.8 0.5	0.222 0.194 −0.035 1.067	41 606 17 486
1.000 1.025 0.000 m	41.8 22.3 2.1	63.1 0.337	263.3 77.0 97.6 102.4 41.3 0.27 −0.094 0.132	20.6 8.9 22.4	23.3 1.873 −0.037 1.005	40 603 17 486
1.000 0.250 0.000 m	43.1 24.9 2.5	65.1 0.383	257.9 65.9 68.7 97.7 44.7 0.263 −0.097 0.127	24.9 9.9 8.8	21.7 26.9 1.729 −0.074 0.093	39 598 17 485
1.000 0.375 0.000 m	45.4 29.6 3.3	67.5 0.458	251.8 57.8 70.8 91.4 50.8 0.253 −0.101 0.121	29.6 17.3 11.5	20.8 35.7 1.536 −0.044 0.094	38 592 16 484
1.000 0.500 0.000 m	48.9 36.6 4.5	69.4 0.487	247.0 51.1 73.4 89.6 59.8 0.241 −0.103 0.115	36.6 14.1 14.1	20.0 43.4 1.337 −0.048 0.047	36 582 16 482
1.000 0.625 0.000 m	53.7 46.2 6.1	75.1 0.507	0.436 73.7 26.9 78.1 82.6 71.0 0.23 −0.106 0.11	46.2 9.8 17.7	20.2 61.0 1.163 −0.052 0.038	35 579 15 479
1.000 0.750 0.000 m	59.9 58.6 8.2	81.7 0.473	0.463 81.1 83.7 83.0 0.22 −0.108 0.108	58.6 6.4 22.3	22.2 79.3 1.022 −0.055 0.037	34 574 15 475
1.000 0.875 0.000 m	67.7 74.1 10.7	0.444 0.465	89.0 −5.9 88.6 88.8 0.213 −0.109 0.106	74.1 −2.7 28.0	24.7 95.6 0.913 −0.057 0.038	33 569 14 469
1.000 1.000 0.000 m	77.0 92.8 13.9	0.419 0.505	97.1 −21.4 94.5 96.9 102.8 0.206 −0.11 0.105	92.8 −11.1 34.9	36.6 107.8 0.83 −0.059 0.395	33 565 11 459
0.875 1.000 0.000 m	66.2 87.2 13.3	0.397 0.523	94.8 −34.3 91.7 98.0 110.6 0.2 −0.111 0.105	87.2 −16.6 32.7	36.7 117.0 0.759 −0.06 0.42	32 561 2 413
0.750 1.000 0.000 m	57.3 82.6 12.9	0.375 0.541	92.5 −46.7 89.4 100.9 117.6 0.194 −0.112 0.105	82.6 −21.1 30.8	37.4 124.6 0.694 −0.062 0.453	31 557 −1 557
0.625 1.000 0.000 m	50.1 78.1 12.1	0.351 0.559	90.1 −58.0 87.4 101.3 126.6 0.188 −0.113 0.106	78.1 −24.8 29.4	38.3 133.6 0.636 −0.069 0.527	30 554 −1 554
0.500 1.000 0.000 m	44.6 76.1 12.3	0.335 0.572	89.9 −67.8 85.8 109.4 128.4 0.183 −0.113 0.107	76.1 −27.6 28.2	39.5 134.5 0.586 −0.0604 0.52	30 550 −1 550
0.375 1.000 0.000 m	40.5 74.0 12.1	0.32 0.584	88.9 −75.7 84.6 113.6 131.9 0.179 −0.114 0.108	74.0 −29.7 27.4	40.4 137.4 0.548 −0.0605 0.547	29 547 −1 547
0.250 1.000 0.000 m	36.9 72.0 12.0	0.304 0.596	88.0 −81.4 83.8 118.9 134.2 0.176 −0.114 0.109	72.0 −31.0 26.8	41.3 139.3 0.521 −0.0603 0.568	29 545 −1 545
0.125 1.000 0.000 m	33.5 70.1 12.1	0.289 0.607	87.2 −84.7 83.4 118.9 135.5 0.175 −0.114 0.109	71.8 −31.8 26.5	41.9 140.3 0.506 −0.0606 0.578	28 544 −1 544
0.000 1.000 0.000 m	35.8 71.5 11.9	0.3 0.6	87.7 −86.1 83.2 119.8 136.0 0.174 −0.114 0.109	71.5 −32.1 26.4	41.6 140.7 0.5 −0.0606 0.582	28 544 −1 544c
0.000 1.000 0.125 m	36.0 71.6 13.3	0.298 0.592	87.8 −85.4 79.7 116.9 137.0 0.174 −0.118 0.105	71.6 −32.0 25.9	41.2 141.1 0.503 −0.0730 0.575	28 543 −1 543c
0.000 1.000 0.250 m	36.7 71.9 16.8	0.293 0.574	87.9 −83.8 72.0 110.5 139.4 0.175 −0.128 0.096	71.9 −31.5 24.6	40.1 142.1 0.51 −0.092 0.558	28 542 −1 542c
0.000 1.000 0.375 m	37.9 72.4 22.3	0.294 0.543	88.1 −80.1 142.2 107.7 140.8 0.177 −0.147 0.092	72.4 −30.8 23.5	38.9 143.2 0.541 −0.117 0.539	28 539 −1 539c
0.000 1.000 0.500 m	39.6 73.1 32.3	0.273 0.504	88.5 −76.7 46.8 89.9 148.6 0.179 −0.158 0.068	73.1 −29.7 18.9	35.3 147.6 0.542 −0.176 0.483	26 532 −1 532c
0.000 1.000 0.625 m	42.1 74.0 45.0	0.261 0.459	88.9 −71.2 31.9 78.1 155.9 0.181 −0.176 0.052	74.0 −28.2 14.2	31.7 153.3 0.568 −0.242 0.428	24 520 −1 520c
0.000 1.000 0.750 m	45.2 75.1 61.6	0.248 0.414	89.5 −64.5 16.5 66.7 165.6 0.185 −0.195 0.038	75.1 −26.1 8.2	27.6 163.8 0.61 −0.3263 0.367	20 503 −1 503c
0.000 1.000 0.875 m	49.1 76.9 82.1	0.236 0.369	90.3 −56.7 1.1 56.8 178.9 0.189 −0.213 0.029	76.9 −23.8 0.6	24.0 178.5 0.639 −0.4270 0.312	18 492 −1 492c
0.000 1.000 1.000 24	53.8 78.7 107.0	0.225 0.329	91.1 −48.0 −14.0 50.1 196.4 0.193 −0.231 0.03	78.7 −20.9 −8.4	22.7 202.0 0.683 −0.5420 0.288	17 481 −1 481c
0.000 0.875 1.000 25	44.5 60.1 103.9	0.213 0.288	81.9 −33.6 −28.0 43.9 219.9 0.198 −0.25 0.041	60.1 −12.5 −15.3 19.9	230.7 0.74 −0.6910 0.331	16 481 −1 481c
0.000 0.750 1.000 26	36.7 60.1 103.1	0.201 0.244	72.6 −17.7 −42.3 46.0 247.3 0.205 −0.274 0.061	60.1 −5.5 −21.0 21.8	255.0 0.824 −0.9080.49	15 476 −1 476c
0.000 0.625 1.000 27	35.1 59.2 102.1	0.189 0.205	70.8 −5.9 −56.9 56.9 269.9 0.215 −0.307 0.082	59.2 −2.1 −26.6 26.7	268.9 0.909 −1.0 0.53	15 474 −1 474c
0.000 0.500 1.000 28	25.7 22.5 97.6	0.176 0.154	54.6 −7.9 −71.0 73.7 285.0 0.229 −0.34 0.127	22.5 4.3 −29.1 29.5	274.8 1.141 −1.7321.311	13 468 −1 468c
0.000 0.375 1.000 29	22.2 15.5 96.4	0.165 0.116	46.3 39.2 −84.5 93.1 294.9 0.247 −0.384 0.173	15.5 7.5 −31.7 32.7	283.2 1.431 −2.4852.106	12 464 −1 464c
0.000 0.250 1.000 30	19.3 9.9 95.2	0.154 0.086	39.3 52.2 −96.0 109.2 301.2 0.268 −0.432 0.208	9.9 5.6 −34.9 35.9	285.9 1.83 −3.5263.143	11 461 −1 461c
0.000 0.125 1.000 31	18.6 8.2 95.2	0.152 0.068	34.5 72.5 −104.1 126.9 304.8 0.287 −0.472 0.268	8.2 10.7 −44.3 46.1	287.3 2.251 −4.6184.381	12 460 −1 460c
0.000 0.000 1.000 32	18.0 7.2 95.1	0.15 0.06	32.3 79.2 −107.8 133.8 306.3 0.297 −0.493 0.291	7.2 11.2 −34.8 36.6	287.8 2.5 −5.2655.073	11 459 −1 459c
0.125 0.000 1.000 33	18.6 7.5 95.1	0.154 0.062	33.0 79.4 −106.6 133.0 306.7 0.296 −0.487 0.284	7.5 11.5 −34.7 36.6	288.3 2.477 −5.0534.864	11 458 −1 458c
0.250 0.000 1.000 34	20.1 8.9 95.3	0.163 0.067	34.6 80.0 −103.9 131.2 307.6 0.294 −0.471 0.269	8.3 12.3 −34.3 36.6	289.6 2.427 −4.5844.404	11 455 −1 455c
0.000 0.000 1.000 35	22.8 11.3 95.5	0.176 0.076	37.1 81.2 −99.3 128.4 309.2 0.292 −0.442 0.252	9.7 13.7 −33.7 36.6	291.4 2.293 −4.0 3.94	10 450 −1 450c
0.500 0.000 1.000 36	29.6 11.8 95.5	0.2 0.088	40.8 82.3 −93.3 125.1 311.7 0.289 −0.42 0.218	11.8 15.7 −33.0 36.6	295.4 2.283 −3.2433.109	6 434 −1 434c
0.625 0.000 1.000 37	32.4 14.6 95.7	0.227 0.102	45.1 85.9 −86.1 121.7 314.9 0.286 −0.391 0.19	14.6 18.5 −31.8 36.9	300.1 2.216 −2.6162.522	−1 566c 32 560
0.750 0.000 1.000 38	39.6 18.3 96.1	0.264 0.117	51.1 88.3 −78.1 118.8 318.8 0.283 −0.353 0.163	18.3 22.2 −30.3 37.3	316 2.16 −2.0952.047	−1 556 31 556c
0.875 0.000 1.000 39	48.5 22.9 96.5	0.289 0.137	55.0 93.6 −69.6 116.7 323.3 0.281 −0.337 0.14	22.9 26.7 −28.5 38.9	331.1 2.116 −1.6821.708	−1 552c 30 552c
1.000 0.000 1.000 40	59.3 28.5 97.0	0.321 0.154	60.3 98.3 −60.7 115.6 328.2 0.28 −0.314 0.119	28.5 32.2 −26.3 41.6	326.7 2.082 −1.3611.462	−1 544c 28 544
1.000 0.000 0.875 41	54.6 26.6 72.2	0.356 0.173	58.6 94.1 −45.7 104.6 334.1 0.278 −0.291 0.1	26.6 29.3 −17.2 34.0	329.5 2.052 −1.0841.279	−1 529c 25 529
1.000 0.000 0.750 42	50.7 25.0 51.6	0.398 0.197	57.1 90.3 −29.8 95.1 341.7 0.277 −0.266 0.081	25.0 26.9 −9.6 28.6	340.1 2.024 −0.8231.142	−1 506c 21 506
1.000 0.000 0.625 43	47.5 23.8 35.1	0.441 0.218	56.7 88.1 −17.1 90.1 351.4 0.276 −0.232 0.066	23.8 24.7 −3.6 25.2	351.8 1.999 −0.6 0.96	−1 496c 19 496
1.000 0.000 0.500 44	45.5 22.8 22.3	0.5 0.253	54.9 84.5 4.3 84.6 2.9 0.275 −0.207 0.061	22.8 23.4 1.0 23.5	2.5 1.978 −0.39 1.028	−1 491c 18 491
1.000 0.000 0.375 45	43.3 22.1 13.0	0.553 0.282	54.1 82.6 22.5 85.6 15.3 0.274 −0.174 0.072	22.1 22.3 4.4 22.8	11.2 1.961 −0.234 1.03	−1 488c 17 488
1.000 0.000 0.250 46	42.7 22.3 6.9	0.613 0.309	54.3 81.2 40.8 86.9 26.7 0.274 −0.139 0.084	22.3 21.7 7.9 22.7	21.7 1.949 −0.0 0.94	−1 485c 16 485
1.000 0.000 0.125 47	41.5 21.4 3.3	0.627 0.323	53.3 80.4 57.2 98.7 35.4 0.273 −0.111 0.119	21.4 21.2 8.0 22.6	20.6 1.943 −0.061 1.06	41 609 17 486
0.000 0.000 0.000 48	0.0 0.0 0.0	0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	1.045 −1 486c −1 609c
0.125 0.125 0.125 49	1.4 1.4 1.6	0.313 0.329	12.2 0.0 0.0 0.0 325.7 215 −0.214 0.01	1.4 0.0 0.0	0.0 334.4 0.95 −0.435 0.01	−1 543c 28 543
0.250 0.250 0.250 50	4.8 5.1 5.5	0.313 0.329	12.2 0.0 0.0 0.0 325.7 215 −0.214 0.01	5.1 0.0 0.0	0.0 324.8 0.95 −0.435 0.01	−1 543c 28 543
0.375 0.375 0.375 51	11.0 11.6 12.6	0.313 0.329	12.2 0.0 0.0 0.0 325.4 215 −0.214 0.01	11.6 0.0 0.0	0.0 322.9 0.95 −0.435 0.01	−1 543c 28 543
0.500 0.500 0.500 52	20.3 21.4 23.3	0.313 0.329	12.2 0.0 0.0 0.0 325.3 215 −0.214 0.01	21.4 0.0 0.0	0.0 322.2 0.95 −0.435 0.01	−1 543c 28 543
0.625 0.625 0.625 53	33.1 34.8 38.0	0.313 0.329	12.2 0.0 0.0 0.0 325.3 215 −0.214 0.01	34.8 0.0 0.0	0.0 322.0 0.95 −0.435 0.01	−1 543c 28 543
0.750 0.750 0.750 54	49.2 52.3 56.9	0.313 0.329	12.2 0.0 0.0 0.0 325.2 215 −0.214 0.01	52.3 0.0 0.0	0.0 321.8 0.95 −0.435 0.01	−1 543c 28 543
0.875 0.875 0.875 55	70.2 73.9 80.5	0.313 0.329	12.2 0.0 0.0 0.0 325.2 215 −0.214 0.01	73.9 0.0 0.0	0.0 321.7 0.95 −0.435 0.01	−1 543c 28 543
1.000 1.000 1.000 56	95.1 100.0 108.9	0.313 0.329	100.0 0.0 0.0 0.0 325.2 215 −0.214 0.01	100.0 0.0 0.0	0.0 321.7 0.95 −0.435 0.01	−1 543c 28 543

X, Y, Z_{Yw}	$L^*, a^*, b^*, C^*_{ab}, h_{ab}$	$H^*, A, B, C_{ab}, h_{AB}$	$L^*, h_{d^*}, \lambda_{d^*}, r_{d^*}, \lambda_{c^*}$	X, A, B, C_{ab}, h_{AB}
36.5 18.8 1.7	56.5 76.9 64.6 100.4 40.0	18.8 18.5 7.5 20.1 22.0	18.8 18.5 7.5 20.1 22.0	
37.0 19.7 1.9	51.5 73.9 64.9 98.4 41.3	19.7 18.2 7.9 19.8 23.3	19.7 18.2 7.9 19.8 23.3	
38.1 22.1 2.2	54.1 66.7 66.0 93.8 47.1	22.1 17.2 8.7 19.3 26.5	22.1 17.2 8.7 19.3 26.5	
40.2 26.2 2.9	56.1 55.5 68.0 87.7 50.8	26.2 15.9 10.2 18.4 33.7	26.2 15.9 10.2 18.4 33.7	
43.3 32.4 4.0	59.7 43.7 41.4 71.0 82.2	32.4 12.5 12.5 17.7 40.4	32.4 12.5 12.5 17.7 40.4	
47.6 40.9 5.4	70.1 25.8 75.0 79.4 70.1	40.9 7.8 17.5 17.9 61.0	40.9 7.8 17.5 17.9 61.0	
53.1 51.9 7.2	77.2 9.9 79.8 80.4 85.9	51.9 3.7 19.7 20.1 79.3	51.9 3.7 19.7 20.1 79.3	
60.5 65.6 9.5	84.8 −5.7 85.1 85.3 93.9	65.6 −2.4 24.8 24.9 95.6	65.6 −2.4 24.8 24.9 95.6	
68.2 82.2 12.3	92.7 −20.6 90.7 93.1 102.8	82.2 −9.8 30.9 32.4 107.8		
77.3 118.8 0.94	−33.0 88.1 94.1 100.4	118.8 −14.7 28.9 32.5 117.0		
85.8 −44.8 85.8 96.9 117.6	73.2 −18.7 27.3 33.1	118.7 −21.9 24.8 32.9 124.6		
94.4 69.9 11.2 87.0 83.7	54.1 −24.4 29.9 38.6	69.9 −28.7 19.5 34.1 133.6		
100.5 39.5 67.4 10.9 85.7	−65.1 82.4 105.1 128.4	67.4 −24.4 25.0 35.0 134.5		
107.1 −7.2 87.1 13.9 131.9	65.5 −72.7 81.3 109.1	87.1 −26.3 24.2 35.8 134.5		
113.3 0.521 −0.0663.566	29.1 −78.2 80.5 112.3	134.2 −31.0 26.8 41.1		
118.2 26.5 41.6 140.3	0.506 −0.0666 0.578	24 543 −1 544c		
121.1 −32.1 26.4 41.6	140.7 0.5 −0.0666 0.582	28 544 −1 544c		
121.1 0.503 −0.0730 0.575	28 543 −1 543c			
120.2 −35.2 24.6 40.1	142.1 0.51 −0.092 0.558	28 542 −1 542c		
118.4 −37.7 23.5 38.9	143.2 0.541 −0.117 0.539	28 539 −1 539c		
114.7 −39.7 18.9 35.3	147.6 0.542 −0.176 0.483	26 532 −1 532c		
108.7 −39.7 14.1 28.7	153.3 0.568 −0.242 0.428	24 520 −1 520c		
100.1 −35.2 8.2 20.1	163.8 0.61 −0.3263 0.367	20 503 −1 503c		
90.1 −27.2 0.6 12.8	178.5 0.639 −0.4270 0.312	18 492 −1 492c		
79.9 −18.2 −8.4 20.1	202.0 0.683 −0.5420 0.288	17 481 −1 481c		
69.1 −9.1 −15.3 17.6	230.7 0.74 −0.6910 0.331	16 481 −1 481c		
58.1 0.7 −21.0 21.0	255.0 0.824 −0.9080.49	15 476 −1 476c		
47.2 9.1 −26.6 27.9	268.9 0.909 −1.0 0.53	15 474 −1 474c		
36.8 17.1 −31.7 36.0	274.8 1.141 −1.7321.311	13 468 −1 468c		
28.3 22.1 −34.9 41.4	283.2 1.431 −2.4852.106	12 464 −1 464c		
22.8 20.0 −36.5 41.8	285.9 1.83 −3.5263.143	11 461 −1 461c		
19.7 13.7 −35.4 43.9	287.3 2.251 −4.6184.381	12 460 −1 460c		
18.0 6.9 −34.8 38.4	287.8 2.5 −5.2655.073	11 459 −1 459c		
16.6 6.7 −34.2 31.0	288.3 2.477 −5.0534.864	11 458 −1 458c		
15.2 8.6 −34.0 31.4	289.6 2.427 −4.5844.404	11 455 −1 455c		
13.7 11.2 −33.7 35.2	291.4 2.293 −4.0 3.94	10 450 −1 450c		
12.1 14.1 −33.4 38.6	295.4 2.283 −3.2433.109	6 434 −1 434c		
10.7 16.2 −33.2 42.7	300.1 2.216 −2.6162.522	−1 566c 32 560		
9.7 17.7 −33.1 46.9	316 2.16 −2.0952.047	−1 556c 31 556c		
9.1 18.5 −33.0 50.1	331.1 2.116 −1.6821.708	−1 552c 30 552c		
8.8 18.7 −33.0 52.1	340.1 2.024 −0.8231.142	−1 506c 21 506		
8.9 18.2 −33.1 53.1	351.8 1.999 −0.3 1.028	−1 496c 19 496c		
9.4 16.9 −33.3 52.8	2.5 1.978 −0.39 1.028	−1 491c 18 491		
10.2 14.7 −33.6 51.1	11.2 1.961 −0.234 1.03	−1 488c 17 488		
11.3 11.9 −33.9 47.9	21.7 1.949 −0.0 0.94	−1 485c 16 485		
12.7 8.1 −34.2 43.9	34.8 1.943 −0.061 1.06	41 609 17 486		
14.5 2.9 −34.5 38.8	50.6 77.2 55.0 94.8 35.4	19.8 18.9 8.1 19.8 7.1		
16.4 −3.2 −34.8 32.5	69.6 −100.0 121.9 304.8	7.5		
18.4 −13.5 −48.1 36.4	69.8 −18.5 −7.4 20.1	20.0		
20.9 −32.3 −26.9 42.2	219.9 53.2 −11.1 −13.5	17.6		
23.7 −40.7 −44.2 47.3	39.5 −4.9 −18.6 19.3	255.0		
27.1 −52.5 −59.9 79.7	269.9 −54.5 −9.6 −6.9	249		
30.8 −68.2 70.8 285.0	20.0 3.8	−25.8 26.2 78.4		
34.5 −89.6 294.9 13.7 6	−28.1 89.6 294.9 13.7 6			
38.3 −123.1 −4852.106	12 464 −1 464c			
42.2 −164.8 381	460 53	66		
46.1 −213.7 287.3 2.251	−4.6184.381	12 460		
50.1 −264.8 287.8 2.5	−5.2655.073	11 459		
54.2 −315.8 288.3 2.477	−5.0534.864	11 458		
58.4 −367.3 289.6 2.427	−4.5844.404	11 455		
62.8 −418.4 291.4 2.293	−4.0 3.94	10 450		
67.4 −468.7 295.4 2.283	−3.2433.109	6 434		
72.2 −518.2 300.1 2.216	−2.6162.522	−1 566		
77.2 −566.9 316 2.16	−2.0952.047	−1 556		
82.4 −614.8 331.1 2.116	−1.6821.708	−1 552		
87.8 −661.9 340.1 2.024	−0.8231.142	−1 506		
93.4 −708.2 351.8 1.999	−0.3 1.028	−1 496		
99.2 −753.7 2.5 1.978	−0.39 1.028	−1 491		
105.1 −798.4 11.2 1.961	−0.234 1.03	−1 488		
111.2 −842.3 21.7 1.949	−0.0 0.94	−1 485		
117.5 −885.4 34.8 1.943	−0.061 1.06	41 609		
124.0 −927.7 50.6 77.2	55.0 94.8 35.4	19.8		
130.7 −969.2 69.6 −100.0	121.9 304.8	7.5		
137.5 −1010.0 69.8 −18.5	−7.4 20.1	20.0		
144.5 −1050.1 219.9 −32.3	−26.9 42.2	17.6		
151.7 −1089.6 39.5 −40.7	−44.2 47.3	39.5		
159.1 −1128.5 269.9 −52.5	−59.9 79.7	269.9		
166.7 −1166.8 20.0 68.5	51.8 18.4	−68.2 70.8 285.0		
174.4 −1204.5 39.4 43.9	37.7 −8.1 89.6 294.9	13.7		
182.2 −1241.7 287.3 2.251	−4.6184.381	12 460		
190.1 −1278.4 287.8 2.5	−5.2655.073	11 459		
198.1 −1314.6 288.3 2.477	−5.0534.864	11 458		
206.2 −1350.3 289.6 2.427	−4.5844.404	11 455		
214.4 −1385.5 291.4 2.293	−4.0 3.94	10 450		
222.7 −1420.2 295.4 2.283	−3.2433.109	6 434		
231.1 −1454.3 300.1 2.216	−2.6162.522	−1 566		
239.6 −1487.8 316 2.16	−2.0952.047	−1 556		
248.2 −1520.8 331.1 2.116	−1.6821.708	−1 552		
256.9 −1553.2 340.1 2.024	−0.8231.142	−1 506		
265.7 −1584.9 351.8 1.999	−0.3 1.028	−1 496		
274.6 −1616.0 2.5 1.978	−0.39 1.028	−1 491		
283.6 −1646.4 11.2 1.961	−0.234 1.03	−1 488		
292.7 −1676.2 21.7 1.949	−0.0 0.94	−1 485		
301.9 −1705.4 34.8 1.943	−0.061 1.06	41 609		
311.2 −1734.0 50.6 77.2	55.0 94.8 35.4	19.8		
320.6 −1762.0 69.6 −100.0	121.9 304.8	7.5		
330.1 −1789.4 69.8 −18.5	−7.4 20.1	20.0		
339.7 −1816.2 219.9 −32.3	−26.9 42.2	17.6		
349.4 −1842.4 39.5 −40.7	−44.2 47.3	39.5		
359.2 −1868.0 269.9 −52.5	−59.9 79.7	269.9		
369.2 −1893.0 20.0 68.5	51.8 18.4	−68.2 70.8 285.0		
379.2 −1917.3 39.4 43.9	37.7 −8.1 89.6 294.9	13.7		
389.3 −1941.0 287.3 2.251	−4.6184.381	12 460		
399.5 −1964.0 287.8 2.5	−5.2655.073	11 459		
409.8 −1986.4 288.3 2.477	−5.0534.864	11 458		
420.2 −2008.2 289.6 2.427	−4.5844.404	11 455		
430.7 −2029.4 291.4 2.293	−4.0 3.94	10 450		
441.3 −2050.0 295.4 2.283	−3.2433.109	6 434		
452.0 −2070.0 300.1 2.216	−2.6162.522	−1 566		
462.8 −2089.4 316 2.16	−2.0952.047	−1 556		
473.7 −2108.2 331.1 2.116	−1.6821.708	−1 552		
484.7 −2126.4 340.1 2.024	−0.8231.142	−1 506		
495.9 −2144.1 351.8 1.999	−0.3 1.028	−1 496		
507.2 −2161.2 2.5 1.978	−0.39 1.028	−1 491		
518.5 −2177.8 11.2 1.961	−0.234 1.03	−1 488		
530.0 −2193.8 21.7 1.949	−0.0 0.94	−1 485		
541.6 −2209.3 34.8 1.943	−0.061 1.06	41 609		
553.4 −2224.3 50.6 77.2	55.0 94.8 35.4	19.8		
565.2 −2238.8 69.6 −100.0	121.9 304.8	7.5		
577.2 −2252.8 69.8 −18.5	−7.4 20.1	20.0		
589.3 −2266.3 219.9 −32.3	−26.9 42.2	17.6		
601.5 −2279.3 39.5 −40.7	−44.2 47.3	39.5		
613.8 −2291.8 269.9 −52.5	−59.9 79.7	269.9		
626.2 −2303.8 20.0 68.5	51.8 18.4	−68.2 70.8 285.0		
638.7 −2315.3 39.4 43.9	37.7 −8.1 89.6 294.9	13.7		
651.3 −2326.4 287.3 2.251	−4.6184.381	12 460		
664.0 −2337.0 287.8 2.5	−5.2655.073	11 459		
676.8 −2347.2 288.3 2.477	−5.0534.864	11 458		
689.7 −2356.9 289.6 2.427	−4.5844.404	11 455		
702.7 −2366.2 291.4 2.293	−4.0 3.94	10 450		
715.8 −2374.9 295.4 2.283	−3.2433.109	6 434		
729.0 −2383.2 300.1 2.216	−2.6162.522	−1 566		
742.3 −2390.9 316 2.16	−2.0952.047	−1 556		
755.7 −2398.2 331.1 2.116	−1.6821.708	−1 552		
769.2 −2404.9 340.1 2.024	−0.8231.142	−1 506		
782.8 −2411.2 351.8 1.999	−0.3 1.028	−1 496		
796.5 −2416.9 2.5 1.978	−0.39 1.028	−1 491		
810.3 −2422.1 11.2 1.961	−0.234 1.03	−1 488		
824.2 −2426.8 21.7 1.949	−0.0 0.94	−1 485		
838.2 −2431.0 34.8 1.943	−0.061 1.06	41 609		
852.3 −2434.7 50.6 77.2	55.0 94.8 35.4	19.8		
866.5 −2437.9 69.6 −100.0	121.9 304.8	7.5		
880.8 −2440.6 69.8 −18.5	−7.4 20.1	20.0		
895.2 −2442.8 219.9 −32.3	−26.9 42.2	17.6		
909.7 −2444.5 39.5 −40.7	−44.2 47.3	39.5		
924.3 −2445.7 269.9 −52.5	−59.9 79.7	269.9		
939.0 −2446.4 20.0 68.5	51.8 18.4	−68.2 70.8 285.0		
953.8 −2446.5 39.4 43.9	37.7 −8.1 89.6 294.9	13.7		
968.7 −2446.1 287.3 2.251	−4.6184.381	12 460		
983.7 −2445.2 287.8 2.5	−5.2655.073	11 459		
998.8 −2443.8 288.3 2.477	−5.0534.864	11 458		
1014.0 −2441.9 289.6 2.427	−4.5844.404	11 455		
1029.3 −2439.5 291.4 2.293	−4.0 3.94	10 450		
1044.7 −2436.6 295.4 2.283	−3.2433.109	6 434		
1060.2 −2433.2 300.1 2.216	−2.6162.522	−1 566		
1075.8 −2429.3 316 2.16	−2.0952.047	−1 556		
1091.5 −2424.9 331.1 2.116	−1.6821.708	−1 552		
1107.3 −2420.0 340.1 2.024	−0.8231.142	−1 506		
1123.2 −2414.6 351.8 1.999	−0.3 1.028	−1 496		
1139.2 −2408.7 2.5 1.978	−0.39 1.028	−1 491		
1155.3 −2402.3 11.2 1.961	−0.234 1.03	−1 488		
1171.5 −2395.4 21.7 1.949	−0.0 0.94	−1 485		
1187.8 −2388.0 34.8 1.943	−0.061 1.06	41 609		
1204.2 −2380.1 50.6 77.2	55.0 94.8 35.4	19.8		
1220.7 −2371.7 69.6 −100.0	121.9 304.8	7.5		
1237.3 −2362.8 69.8 −18.5	−7.4 20.1	20.0		
1254.0 −2353.4 219.9 −32.3	−26.9 42.2	17.6		
1270.8 −2343.5 39.5 −40.7	−44.2 47.3	39.5		
1287.7 −2333.2 269.9 −52.5	−59.9 79.7	269.9		
1304.7 −2322.4 20.0 68.5	51.8 18.4	−68.2 70.8 285.0		
1321.8 −2311.2 39.4 43.9	37.7 −8.1 89.6 294.9	13.7		
1339.0 −2299.5 287.3 2.251	−4.6184.381	12 460		
1356.3 −2287.4 287.8 2.5	−5.2655.073	11 459		
1373.7 −2274.9 288.3 2.477	−5.0534.864	11 458		
1391.2 −2262.0 289.6 2.427	−4.5844.404	11 455		
1408.8 −2248.7 291.4 2.293	−4.0 3.94	10 450		
1426.5 −2235.0 295.4 2.283	−3.2433.109	6 434		
1444.3 −2220.9 300.1 2.216	−2.6162.522	−1