

see similar files: <http://130.149.60.45/~farbmetrik/VE41/VE41.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-VE41/VE41LONP.PDF /.PS
application for measurement of display output, no separation
TUB material: code=rha4ta

Ostwald optimal colours (o) of maximum (m) CAB for D50, Yw=100, Ym=520_770, LINYAB data

i1, λ1	i2, λ2	Y100	A100	B100	CAB	a	b	hAB	id, λd	ic, λc	Code	%
1 405	32 564	57.81	-26.12	-13.56	29.43	0.5124	-0.5646	207.4	17 486	38 592	Cm	%
7 435	33 565	58.18	-29.76	-6.19	30.4	0.4526	-0.4365	191.7	18 490	46 634	%	%
10 450	33 566	58.68	-33.54	2.37	33.63	0.3924	-0.2895	175.9	19 497	-1 497c	%	%
12 460	33 567	59.3	-35.7	8.25	36.64	0.3621	-0.1907	166.9	21 506	-1 506c	%	%
13 465	33 568	59.95	-36.49	10.91	38.09	0.3555	-0.1478	163.3	22 511	-1 511c	%	%
14 470	34 570	61.04	-36.99	13.31	39.32	0.3581	-0.1117	160.1	23 519	-1 519c	%	%
15 475	34 573	62.89	-37.08	15.59	40.23	0.3745	-0.0821	157.2	25 527	-1 527c	Gm	%
15 480	35 578	66.91	-36.91	16.91	40.6	0.4125	-0.0772	155.3	26 531	-1 531c	%	%
17 485	37 587	72.24	-34.33	20.9	40.19	0.489	-0.0405	148.6	28 544	-1 544c	%	%
18 490	44 620	88.02	-19.26	26.82	33.02	0.7454	-0.0251	125.6	32 561	-1 561c	max	%
19 495	-1 495c	93.65	-7.19	29.25	30.12	0.8874	-0.0176	103.8	33 568	12 463	%	%
20 500	-1 500c	91.98	-5.59	29.14	29.67	0.9033	-0.0131	100.8	33 569	13 466	%	%
22 510	-1 510c	87.33	-1.23	28.19	28.22	0.95	-0.0071	92.5	34 571	14 471	%	%
23 520	-1 519c	84.29	1.48	27.36	27.41	0.9818	-0.0053	86.8	34 572	14 473	Ym	%
25 530	-1 529c	76.8	7.64	25.11	26.25	1.0637	-0.0029	73.0	35 575	15 477	%	%
27 540	-1 539c	68.0	13.94	22.33	26.32	1.1692	-0.0015	58.0	35 579	16 480	%	%
28 545	-1 544c	63.34	16.86	20.82	26.8	1.2304	-0.0011	50.9	36 581	16 481	%	%
29 550	-1 549c	58.55	19.56	19.26	27.45	1.2983	-0.0009	44.5	36 583	16 483	%	%
30 555	-1 554c	53.72	21.93	17.68	28.17	1.3724	-0.0007	38.8	37 585	16 484	%	%
32 560	-1 560c	44.27	25.38	14.58	29.27	1.5375	-0.0005	29.8	38 590	17 486	%	%
380	770	100.0	0.0	0.0	0.01	0.9642	-0.3299	0.0			%	%

Ostwald optimal colours (o) of maximum (m) CAB for D50, Yw=100, Ym=770_520, LINYAB complementary

i1, λ1	i2, λ2	Y100	A100	B100	CAB	a	b	hAB	id, λd	ic, λc	Code	%
32 564	1 405	42.18	26.12	13.56	29.43	1.5834	-0.0084	27.4	38 592	17 486	Rm	%
33 565	7 435	41.81	29.76	6.19	30.4	1.6761	-0.1817	11.7	46 634	18 490	%	%
33 566	10 450	41.31	33.54	-2.37	33.63	1.7761	-0.3874	355.9	-1 497c	19 497	%	%
33 567	12 460	40.69	35.7	-8.25	36.64	1.8416	-0.5329	346.9	-1 506c	21 506	%	%
33 568	13 465	40.04	36.49	-10.91	38.09	1.8756	-0.6026	343.3	-1 511c	22 511	%	%
34 570	14 470	38.95	36.99	-13.31	39.32	1.9138	-0.6718	340.1	-1 519c	23 519	%	%
34 573	15 475	37.1	37.08	-15.59	40.23	1.9639	-0.7502	337.2	-1 527c	25 527	Mm	%
35 578	15 480	33.08	36.91	-16.91	40.6	2.0799	-0.8412	335.3	-1 531c	26 531	%	%
37 587	17 485	27.75	34.33	-20.9	40.19	2.201	-1.0832	328.6	-1 544c	28 544	%	%
44 620	18 490	11.97	19.26	-26.82	33.02	2.572	-2.5696	305.6	-1 561c	32 561	min	%
-1 495c	19 495	6.34	7.19	-29.25	30.12	2.0975	-4.9398	283.8	12 463	33 568	%	%
-1 500c	20 500	8.01	5.59	-29.14	29.67	1.6629	-3.9666	280.8	13 466	33 569	%	%
-1 510c	22 510	12.66	1.23	-28.19	28.22	1.0617	-2.5572	272.5	14 471	34 571	%	%
-1 519c	23 520	15.7	-1.48	-27.36	27.41	0.8696	-2.073	266.8	14 473	34 572	Bm	%
-1 529c	25 530	23.19	-7.64	-25.11	26.25	0.6346	-1.4127	253.0	15 477	35 575	%	%
-1 539c	27 540	31.99	-13.94	-22.33	26.32	0.5285	-1.0279	238.0	16 480	35 579	%	%
-1 544c	28 545	36.65	-16.86	-20.82	26.8	0.504	-0.8982	230.9	16 481	36 581	%	%
-1 549c	29 550	41.44	-19.56	-19.26	27.45	0.4922	-0.7949	224.5	16 483	36 583	%	%
-1 554c	30 555	46.27	-21.93	-17.68	28.17	0.4903	-0.7122	218.8	16 484	37 585	%	%
-1 560c	32 560	55.72	-25.38	-14.58	29.27	0.5087	-0.5917	209.8	17 486	38 590	%	%
380	770	100.0	0.0	0.0	0.01	0.9642	-0.3299	0.0			%	%

Ostwald optimal colours (o) of maximum (m) CAB for D50, Yw,10=100, Ym=520_770, LINYAB data

i1, λ1	i2, λ2	Y100	A100	B100	CAB	a	b	hAB	id, λd	ic, λc	Code	%
1 405	31 559	55.95	-25.08	-13.86	28.66	0.5189	-0.5733	208.9	15 479	37 589	Cm	%
7 435	32 561	56.42	-28.9	-5.53	29.42	0.455	-0.4238	190.8	16 484	58 693	%	%
10 450	32 562	56.65	-32.28	3.24	32.45	0.3973	-0.2684	174.2	18 493	-1 493c	%	%
12 460	32 564	57.41	-33.96	8.98	35.12	0.3757	-0.1691	165.1	20 503	-1 503c	%	%
13 465	33 566	58.48	-34.34	11.63	36.25	0.38	-0.1267	161.2	22 512	-1 512c	%	%
14 470	34 570	60.63	-34.33	14.23	37.16	0.401	-0.0909	157.4	24 521	-1 521c	%	%
15 475	35 576	64.51	-33.34	16.97	37.41	0.4504	-0.0624	153.0	26 531	-1 531c	Gm	%
16 480	38 590	72.88	-29.2	20.81	35.86	0.5665	-0.04	144.5	28 543	-1 543c	%	%
17 485	-1 485c	92.6	-6.09	28.04	28.69	0.9014	-0.0228	102.2	32 563	11 458	%	%
18 490	-1 490c	91.1	-4.69	28.13	28.52	0.9157	-0.0168	99.4	32 564	12 460	max	%
19 495	-1 495c	89.32	-2.98	27.98	28.14	0.9338	-0.0123	96.0	33 565	12 462	%	%
20 500	-1 500c	87.23	-1.0	27.62	27.64	0.9556	-0.0089	92.0	33 566	12 464	%	%
21 510	-1 509c	84.82	1.2	27.07	27.09	0.9814	-0.0065	87.4	33 567	13 466	%	%
24 520	-1 520c	75.59	8.88	24.43	26.0	1.0847	-0.0023	70.0	34 571	14 471	Ym	%
25 530	-1 529c	71.83	11.6	23.28	26.01	1.1288	-0.0015	63.4	34 573	14 473	%	%
28 540	-1 540c	59.32	19.15	19.3	27.19	1.29	-0.0002	45.2	35 579	15 476	%	%
29 545	-1 545c	54.91	21.22	17.87	27.75	1.3537	-0.0001	40.1	36 581	15 477	%	%
29 550	-1 549c	54.91	21.22	17.87	27.75	1.3537	-0.0001	40.1	36 581	15 477	%	%
31 555	-1 555c	46.06	24.31	15.0	28.56	1.4949	0.0	31.6	37 587	15 479	%	%
32 560	2 411	41.79	25.61	12.8	28.63	1.5801	-0.0192	26.5	38 591	16 480	%	%
380	770	99.99	0.0	0.0	0.01	0.9672	-0.3256	0.0			%	%

Ostwald optimal colours (o) of maximum (m) CAB for D50, Yw,10=100, Ym=770_520, LINYAB complementary

i1, λ1	i2, λ2	Y100	A100	B100	CAB	a	b	hAB	id, λd	ic, λc	Code	%
31 559	1 405	44.04	25.08	13.86	28.66	1.5368	-0.0108	28.9	37 589	15 479	Rm	%
32 561	7 435	43.57	28.9	5.53	29.42	1.6305	-0.1985	10.8	58 693	16 484	%	%
32 562	10 450	43.34	32.28	-3.24	32.45	1.7122	-0.4004	354.2	-1 493c	18 493	%	%
32 564	12 460	42.58	33.95	-8.98	35.12	1.7646	-0.5366	345.1	-1 503c	20 503	%	%
33 566	13 465	41.51	34.34	-11.63	36.25	1.7943	-0.6057	341.2	-1 512c	22 512	%	%
34 570	14 470	39.36	34.33	-14.23	37.16	1.8395	-0.6872	337.4	-1 521c	24 521	%	%
35 576	15 475	35.48	33.34	-16.97	37.41	1.9067	-0.804	333.0	-1 531c	26 531	Mm	%
38 590	16 480	27.11	29.2	-20.81	35.86	2.0442	-1.0933	324.5	-1 543c	28 543	%	%
-1 485c	17 485	7.39	6.09	-28.04	28.69	1.7911	-4.1155	282.2	11 458	32 563	%	%
-1 490c	18 490	8.89	4.69	-28.13	28.52	1.4945	-3.4884	279.4	12 460	32 564	min	%
-1 495c	19 495	10.67	2.98	-27.98	28.14	1.247	-2.9472	276.0	12 462	33 565	%	%
-1 500c	20 500	12.76	1.0	-27.62	27.64	1.0462	-2.49	272.0	12 464	33 566	%	%
-1 509c	21 510	15.17	-1.2	-27.07	27.09	0.8876	-2.1102	267.4	13 466	33 567	%	%
-1 520c	24 520	24.4	-8.88	-24.43	26.0	0.6033	-1.3269	250.0	14 471	34 571	Bm	%
-1 529c	25 530	28.16	-11.6	-23.28	26.01	0.555	-1.1521	243.4	14 473	34 573	%	%
-1 540c	28 540	40.67	-19.15	-19.3	27.19	0.4963	-0.8002	225.2	15 476	35 579	%	%
-1 545c	29 545	45.08	-21.22	-17.87	27.75	0.4964	-0.7221	220.1	15 477	36 581	%	%
-1 549c	29 550	45.08	-21.22	-17.87	27.75	0.4964	-0.7221	220.1	15 477	36 581	%	%
-1 555c	31 555	53.93	-24.31	-15.0	28.56	0.5164	-0.6038	211.6	15 479	37 587	%	%
2 411	32 560	58.2	-25.61	-12.8	28.63	0.5271	-0.5456	206.5	16 480	38 591	%	%
380	770	99.99	0.0	0.0	0.01	0.9672	-0.3256	0.0			%	%

http://130.149.60.45/~farbmetrik/VE41/VE41L0NP.PDF / .PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 2/5

rgb^b*_{LAB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D50

Yxy, abc_{LAB}, ABC_{LAB}, LabC_{ab}, ab_{Lab} data for relative spacing of elementary hue h_{AB} of L*IN*YAB for CIE 2 degree observer

Elementary hue circle with 4 intended elementary hue angles: h_{AB} = 13.9, 87.3, 165.9, 266.0 of L*IN*YAB, and 90 intended hue angles:

000, 001, ..., 089, L*IN*YAB data of CIE test colours 9 (R): 12.4 11.3 2.8, 10 (Y): 60.2 0.7 16.0, 11 (G): 19.8 -7.0 17.2, 12 (B): 5.9 -0.4 -6.5

Table with columns: no., AB, X0, Y0, A10, B10, CAB, AB, LAB, L*10, a*10, b*10, C*ab, ab, Lab, rgb*b*LAB, CodeAB. Rows 000-089.

CIEXYZ data of CIE test colours 9 (R): 23.3 12.4 3.2, 10 (Y): 58.8 60.2 9.5, 11 (G): 12.0 19.8 11.9, 12 (B): 5.2 5.9 21.7

rgb^b*_{LAB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D50

Yxy, abc_{LAB}, ABC_{LAB}, LabC_{ab}, ab_{Lab} data for relative spacing of elementary hue h_{AB} of L*IN*YAB for CIE 10 degree observer

Elementary hue circle with 4 intended elementary hue angles: h_{AB} = 14.4, 79.4, 163.3, 254.7 of L*IN*YAB, and 90 intended hue angles:

000, 001, ..., 089, L*IN*YAB data of CIE test colours 9 (R): 11.9 10.0 2.5, 10 (Y): 57.6 2.8 15.2, 11 (G): 19.9 -6.6 19.2, 12 (B): 7.1 -1.6 -5.9

Table with columns: no., AB, X0, Y0, A10, B10, CAB, AB, LAB, L*10, a*10, b*10, C*ab, ab, Lab, rgb*b*LAB, CodeAB. Rows 000-089.

CIEXYZ data of CIE test colours 9 (R): 21.6 11.9 3.2, 10 (Y): 58.6 57.6 8.6, 11 (G): 12.6 19.9 11.2, 12 (B): 5.2 5.1 20.6

see similar files: http://130.149.60.45/~farbmetrik/VE41/VE41L0NP.PDF / .PS; transfer output
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-VE41/VE41L0NP.PDF / .PS
application for measurement of display output, no separation
TUB material: code=rha4ta



TUB-test chart VE41; CIE data for 360 Ostwald colours input: w/rgb/cmyk -> L*IN*YAB, Yxy, YABCAB, LabCabh data, D50, 2 and 10 degree observer

http://130.149.60.45/~farbmetrik/VE41/VE41LONP.PDF / .PS; transfer output

N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 3/5

rgb^{b*}_{e,AB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D50

Yxy, abc_{AB}, ABC_{AB}, LabC_{ab}^{C*}_{ab}, data for relative spacing of elementary hue h_{AB} of LYNAB for CIE 2 degree observer

Elementary hue circle with 4 intended elementary hue angles: h_{AB} = 13.9, 87.3, 165.9, 266.0 of LYNAB, and 90 intended hue angles:

090, 091, ..., 179, LYNAB data of CIE test colours 9 (R): 12.4 11.3 2.8, 10 (Y): 60.2 0.7 16.0, 11 (G): 19.8 -7.0 17.2, 12 (B): 5.9 -0.4 -6.5

Table with columns: no., AB, X, Y, a, b, C_{AB}, h_{AB}, L*, a*, b*, C*, h_{ab}, rgb^{b*}_{e,AB}, Code_{AB}. Rows 090-179.

CIEXYZ data of CIE test colours 9 (R): 23.6 12.4 3.2, 10 (Y): 58.8 60.9 2.9, 11 (G): 12.0 19.8 11.9, 12 (B): 5.2 5.9 21.2

rgb^{b*}_{e,AB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D50

Yxy, abc_{AB}, ABC_{AB}, LabC_{ab}^{C*}_{ab}, data for relative spacing of elementary hue h_{AB} of LYNAB for CIE 10 degree observer

Elementary hue circle with 4 intended elementary hue angles: h_{AB} = 14.4, 79.4, 163.3, 254.7 of LYNAB, and 90 intended hue angles:

090, 091, ..., 179, LYNAB data of CIE test colours 9 (R): 11.9 10.0 2.5, 10 (Y): 57.6 2.8 15.2, 11 (G): 19.9 -6.6 19.2, 12 (B): 7.1 -1.6 -5.9

Table with columns: no., AB, X, Y, a, b, C_{AB}, h_{AB}, L*, a*, b*, C*, h_{ab}, rgb^{b*}_{e,AB}, Code_{AB}. Rows 090-179.

CIEXYZ data of CIE test colours 9 (R): 21.6 11.9 3.2, 10 (Y): 58.6 57.6 8.6, 11 (G): 12.6 19.9 11.2, 12 (B): 6.0 5.7 21.0

see similar files: http://130.149.60.45/~farbmetrik/VE41/VE41LONP.PDF / .PS; transfer output
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-VE41/VE41LONP.PDF / .PS
application for measurement of display output, no separation
TUB material: code=rha4ta

1-000120-L0

VE410-7N

1-001120-L0

VE411-7N

TUB-test chart VE41; CIE data for 360 Ostwald colours input: w/rgb/cmyk -> LYNAB, Yxy, YABCAB, LabC_{ab} data, D50, 2 and 10 degree observer

1-000120-F0

M

Y

L

http://130.149.60.45/~farbmetrik/VE41/VE41LONP.PDF / .PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 4/5

see similar files: <http://130.149.60.45/~farbmetrik/VE41/VE41LONP.PDF>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-VE41/VE41LONP.PDF / .PS
application for measurement of display output, no separation
TUB material: code=rha4ta

rgb^{b*}_{e,AB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D50

Yxy, abc_{AB}, ABC_{AB}, LabC_{ab}, h_{AB} data for relative spacing of elementary hue h_{AB} of LINYAB for CIE 2 degree observer

Elementary hue circle with 4 intended elementary hue angles: h_{AB} = 13.9, 87.3, 165.9, 266.0 of LINYAB, and 90 intended hue angles:

180, 181, ..., 269, LINYAB data of CIE test colours 9 (R): 12.4 11.3 2.8, 10 (Y): 60.2 0.7 16.0, 11 (G): 19.8 -7.0 17.2, 12 (B): 5.9 -0.4 -6.5

Table with columns: no-AB, x, y, a, b, C_{AB}, h_{AB}, L*, a*, b*, C*_{ab}, h_{ab}, rgb^{b*}_{e,AB}, Code_{AB}. Rows 180-269.

CIEYXZ data of CIE test colours 9 (R): 23.3 12.4 3.2, 10 (Y): 58.8 60.2 9.5, 11 (G): 12.0 19.8 11.9, 12 (B): 5.2 5.9 21.2

rgb^{b*}_{e,AB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D50

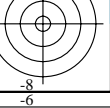
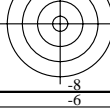
Yxy, abc_{AB}, ABC_{AB}, LabC_{ab}, h_{AB} data for relative spacing of elementary hue h_{AB} of LINYAB for CIE 10 degree observer

Elementary hue circle with 4 intended elementary hue angles: h_{AB} = 14.4, 79.4, 163.3, 254.7 of LINYAB, and 90 intended hue angles:

180, 181, ..., 269, LINYAB data of CIE test colours 9 (R): 11.9 10.9 2.0, 10 (Y): 57.6 2.8 15.2, 11 (G): 19.9 -6.6 19.2, 12 (B): 7.1 -1.6 -5.9

Table with columns: no-AB, x₁₀, y₁₀, a₁₀, b₁₀, C_{AB,10}, h_{AB,10}, L*₁₀, a*₁₀, b*₁₀, C*_{ab,10}, h_{ab,10}, rgb^{b*}_{e,AB,10}, Code_{AB,10}. Rows 180-269.

CIEYXZ data of CIE test colours 9 (R): 21.6 11.9 3.2, 10 (Y): 58.6 57.6 8.6, 11 (G): 12.6 19.9 11.2, 12 (B): 6.1 7.1 20.6



TUB-test chart VE41; CIE data for 360 Ostwald colours input: w/rgb/cmyk ->
LINYAB, Yxy, YABCABh, LabCab data, D50, 2 and 10 degree observer

http://130.149.60.45/~farbmetrik/VE41/VE41L0NP.PDF /PS; transfer output
 N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 5/5

rgb^b_{e,AB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D50
 $Y_{xy}, abc_{AB}, ABC_{AB}, LabC_{ab}$ data for relative spacing of elementary hue h_{AB} of LYNAB for CIE 2 degree observer
 Elementary hue circle with 4 intended elementary hue angles: $h_{AB} = 13.9, 87.3, 165.9, 266.0$ of LYNAB, and 90 intended hue angles:
 270, 271, ..., 360, LYNAB data of CIE test colours 9 (R): 12.4 11.3 2.8, 10 (Y): 60.2 0.7 16.0, 11 (G): 19.8 -7.0 17.2, 12 (B): 5.9 -0.4 -6.5

rgb^b_{e,AB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D50
 $Y_{xy}, abc_{AB}, ABC_{AB}, LabC_{ab}$ data for relative spacing of elementary hue h_{AB} of LYNAB for CIE 10 degree observer
 Elementary hue circle with 4 intended elementary hue angles: $h_{AB} = 14.4, 79.4, 163.3, 254.7$ of LYNAB, and 90 intended hue angles:
 270, 271, ..., 360, LYNAB data of CIE test colours 9 (R): 11.9 10.2 5.0, 10 (Y): 57.6 2.8 15.2, 11 (G): 19.9 -6.6 19.2, 12 (B): 7.1 -1.6 -5.9

no_AB#0	x ₁₀	y ₁₀	a ₁₀	b ₁₀	c _{AB,10}	A ₁₀	B ₁₀	C _{AB,10}	H _{AB,10}	L* ₁₀	a ¹⁰ ₁₀	b ¹⁰ ₁₀	C ^{ab,10} ₁₀	h _{ab,10}	rgb ^b _{e,AB,10}	Code _{AB,10}			
270	13.8	0.124	0.127	0.972	-2.343	2.013	0.1	-27.9	27.9	272.0	44.0	0.7	-95.4	95.4	270.4	0.07	0.00	1.00	B03R
271	13.2	0.131	0.083	1.579	-1.774	2.743	0.1	-28.1	28.0	272.2	42.6	6.5	-96.5	96.5	271.3	0.023	0.00	1.00	B03R
272	12.9	0.125	0.12	1.041	-2.509	2.181	0.9	-28.1	28.2	272.0	42.6	6.5	-97.6	97.6	271.9	0.12	0.00	1.00	B03R
273	12.3	0.125	0.116	1.084	-2.611	2.284	1.4	-28.2	28.2	273.0	41.8	9.9	-98.9	99.4	275.7	0.12	0.00	1.00	B06R
274	11.8	0.126	0.111	1.135	-2.732	2.408	2.0	-28.3	28.4	274.0	40.9	13.7	-100.3	101.3	277.7	0.14	0.00	1.00	B07R
275	11.2	0.127	0.106	1.192	-2.867	2.547	2.5	-28.5	28.6	275.1	39.9	17.6	-101.8	103.4	280.8	0.16	0.00	1.00	B08R
276	10.5	0.128	0.102	1.256	-3.017	2.703	3.1	-28.8	28.8	276.1	39.0	21.5	-103.4	105.7	283.9	0.18	0.00	1.00	B09R
277	10.0	0.128	0.097	1.327	-3.184	2.877	3.6	-28.7	28.9	277.2	37.9	26.1	-105.0	108.2	288.3	0.2	0.00	1.00	B10R
278	9.5	0.129	0.092	1.404	-3.366	3.068	4.1	-28.8	29.1	278.2	36.9	30.4	-106.6	110.9	285.9	0.22	0.00	1.00	B11R
279	8.9	0.13	0.087	1.489	-3.563	3.275	4.7	-28.9	29.3	279.2	35.9	34.8	-108.2	113.7	287.8	0.23	0.00	1.00	B11R
280	8.4	0.131	0.083	1.579	-3.774	3.503	5.3	-29.0	29.4	280.2	35.0	39.1	-110.3	116.4	290.8	0.24	0.00	1.00	B12R
281	7.8	0.131	0.078	1.681	-4.005	3.783	5.6	-29.1	29.7	280.9	33.6	43.5	-111.8	119.9	291.2	0.27	0.00	1.00	B13R
282	6.7	0.125	0.069	1.82	-4.457	4.111	5.8	-29.3	29.9	281.1	31.3	48.1	-115.5	125.1	292.6	0.29	0.00	1.00	B14R
283	6.2	0.126	0.064	1.965	-5.026	4.801	6.2	-29.4	30.0	282.0	30.0	53.1	-117.4	128.8	294.3	0.31	0.00	1.00	B15R
284	6.3	0.136	0.064	2.106	-4.928	4.738	7.2	-29.2	30.1	283.0	30.3	59.3	-116.7	130.9	296.9	0.33	0.00	1.00	B16R
285	6.4	0.14	0.065	2.251	-4.864	4.687	7.6	-29.1	30.1	284.6	30.5	61.3	-116.9	131.5	297.8	0.35	0.00	1.00	B17R
286	6.5	0.144	0.065	2.396	-4.789	4.626	8.0	-29.1	30.2	285.4	30.7	63.5	-115.9	132.1	298.7	0.36	0.00	1.00	B18R
287	6.6	0.149	0.066	2.539	-4.706	4.558	8.4	-29.0	30.2	286.2	31.0	65.6	-115.4	132.7	299.6	0.38	0.00	1.00	B19R
288	6.7	0.153	0.067	2.281	-4.614	4.489	8.9	-29.0	30.3	287.0	31.3	67.7	-114.8	133.3	300.5	0.4	0.00	1.00	B20R
289	6.9	0.158	0.068	2.321	-4.515	4.399	9.3	-28.9	30.4	287.9	31.6	69.7	-114.2	133.8	301.4	0.42	0.00	1.00	B21R
290	7.0	0.164	0.069	2.358	-4.412	4.311	9.8	-28.8	30.5	288.6	32.0	71.8	-113.6	134.4	302.3	0.44	0.00	1.00	B22R
291	7.2	0.169	0.07	2.393	-4.298	4.217	10.3	-28.7	30.5	289.8	32.3	73.7	-112.8	134.7	303.1	0.46	0.00	1.00	B23R
292	7.4	0.174	0.072	2.425	-4.182	4.12	10.8	-28.6	30.6	290.7	32.8	75.7	-112.0	135.1	304.0	0.48	0.00	1.00	B24R
293	7.6	0.18	0.073	2.454	-4.063	4.02	11.4	-28.5	30.7	291.7	33.2	77.5	-111.1	135.5	304.9	0.49	0.00	1.00	B25R
294	7.8	0.186	0.074	2.48	-3.941	3.917	11.9	-28.4	30.9	292.7	33.7	79.3	-110.2	135.8	305.7	0.51	0.00	1.00	B26R
295	8.1	0.191	0.075	2.513	-3.818	3.813	12.5	-28.3	31.0	293.6	34.2	81.1	-109.3	136.2	306.6	0.52	0.00	1.00	B27R
296	8.4	0.197	0.078	2.523	-3.694	3.708	13.1	-28.2	31.1	294.8	34.8	82.7	-108.3	136.6	307.3	0.55	0.00	1.00	B27R
297	8.6	0.203	0.08	2.54	-3.57	3.603	13.6	-28.1	31.3	295.9	35.3	84.3	-107.3	136.5	308.1	0.57	0.00	1.00	B28R
298	8.9	0.209	0.082	2.554	-3.447	3.499	14.2	-28.0	31.4	297.0	35.9	85.9	-106.2	136.6	308.9	0.59	0.00	1.00	B29R
299	9.3	0.215	0.084	2.565	-3.324	3.395	14.9	-27.8	31.6	298.1	36.6	87.3	-105.2	136.6	309.7	0.61	0.00	1.00	B30R
300	9.7	0.22	0.086	2.573	-3.201	3.291	15.6	-27.7	31.7	299.2	37.3	88.7	-104.1	136.6	310.5	0.63	0.00	1.00	B31R
301	10.0	0.228	0.088	2.578	-3.085	3.193	16.1	-27.6	31.9	300.3	37.8	90.0	-102.7	136.6	311.2	0.64	0.00	1.00	B32R
302	10.4	0.234	0.09	2.581	-2.969	3.095	16.8	-27.4	32.1	301.4	38.5	91.3	-101.5	136.5	311.9	0.66	0.00	1.00	B33R
303	10.8	0.24	0.093	2.581	-2.856	3.0	17.4	-27.2	32.4	302.6	39.2	92.5	-100.3	136.4	312.6	0.68	0.00	1.00	B34R
304	11.2	0.246	0.095	2.582	-2.742	2.906	18.1	-27.1	32.6	303.7	39.9	93.7	-99.0	136.4	313.3	0.7	0.00	1.00	B35R
305	11.6	0.253	0.098	2.585	-2.639	2.816	18.8	-26.9	32.8	304.9	40.7	94.6	-97.7	136.4	314.0	0.72	0.00	1.00	B36R
306	12.1	0.259	0.101	2.584	-2.526	2.717	19.4	-26.7	33.1	306.0	41.5	95.5	-96.2	135.5	314.7	0.74	0.00	1.00	B37R
307	12.8	0.266	0.104	2.54	-2.4	2.602	20.1	-26.5	33.3	307.2	42.4	96.0	-94.5	134.7	315.4	0.75	0.00	1.00	B37R
308	13.4	0.272	0.108	2.517	-2.284	2.496	20.9	-26.2	33.5	308.4	43.4	96.5	-92.8	133.9	316.1	0.77	0.00	1.00	B38R
309	14.0	0.278	0.111	2.481	-2.168	2.388	21.7	-26.0	33.6	309.5	44.5	97.1	-91.1	132.6	316.8	0.78	0.00	1.00	B39R
310	14.7	0.285	0.115	2.443	-2.074	2.307	22.3	-25.8	33.7	310.8	45.3	97.5	-89.4	132.3	317.4	0.81	0.00	1.00	B40R
311	15.4	0.291	0.118	2.452	-1.981	2.223	23.0	-25.5	34.4	312.0	46.3	98.0	-87.7	131.5	318.1	0.83	0.00	1.00	B41R
312	16.1	0.297	0.122	2.432	-1.894	2.145	23.7	-25.3	34.7	313.1	47.2	98.4	-86.1	130.8	318.8	0.85	0.00	1.00	B42R
313	16.8	0.303	0.125	2.413	-1.813	2.074	24.4	-25.0	35.0	314.3	48.1	98.8	-84.5	130.0	319.4	0.87	0.00	1.00	B43R
314	17.6	0.309	0.128	2.385	-1.736	2.006	25.1	-24.8	35.3	315.4	49.0	99.1	-82.8	129.2	320.1	0.89	0.00	1.00	B44R
315	18.3	0.314	0.132	2.377	-1.669	1.947	25.8	-24.5	35.6	316.5	49.8	99.6	-81.3	128.6	320.7	0.9	0.00	1.00	B45R
316	19.0	0.32	0.135	2.36	-1.604	1.891	26.5	-24.2	36.0	317.5	50.7	99.9	-79.8	127.9	321.3	0.92	0.00	1.00	B46R
317	19.7	0.325	0.138	2.344	-1.544	1.838	27.2	-24.0	36.3	318.6	51.5	100.3	-78.3	127.3	322.0	0.94	0.00	1.00	B47R
318	20.4	0.33	0.141	2.328	-1.488	1.79	27.9	-23.7	36.6	319.6	52.3	100.6	-76.9	126.6	322.6	0.96	0.00	1.00	B48R
319	21.1	0.335	0.144	2.311	-1.436	1.745	28.6	-23.5	36.9	320.6	53.1	100.9	-75.4	126.0	323.2	0.98	0.00	1.00	B49R
320	21.9	0.339	0.147	2.299	-1.388	1.703	29.2	-23.2	37.3	321.6	53.9	101.4	-74.0	125.4	323.8	1.00	0.00	0.99	B50R
321	22.6	0.344	0.15	2.286	-1.342	1.665	29.9	-22.9	37.7	322.5	54.7	101.5	-72.7	124.9	324.4	1.00	0.00	0.98	B50R
322	23.3	0.348	0.153	2.273	-1.3	1.629	30.5	-22.6	38.0	323.4	55.4	101.8	-71.3	124.3	324.9	1.00	0.00	0.96	B51R
323	24.0	0.352	0.155	2.26	-1.261	1.596	31.1	-22.3	38.3	324.3	56.1	102.1	-70.0	123.8	325.5	1.00	0.00	0.94	B52R
324	24.7	0.356	0.158	2.249	-1.224	1.565	31.7	-22.1	38.6	325.1	56.8	102.4	-68.8	123.3	326.1	1.00	0.00	0.92	B53R
325	25.4	0.36	0.16	2.237	-1.19	1.537	32.3	-21.8	39.0	325.9	57.4	102.5	-67.5	122.8	326.6	1.00	0.00	0.9	B54R
326	26.0	0.363	0.163	2.227	-1.158	1.51	32.9	-21.5	39.3	326.7	58.1	102.8	-66.2	122.3	327.1	1.00	0.00	0.88	B55R
327	26.7	0.367	0.165	2.216	-1.128	1.485	33.4	-21.3	39.6	327.4	58.7	102.9	-65.2	121.9	327.6	1.00	0.00	0.87	B56R
328	27.3	0.37	0.167	2.209	-1.101	1.462	33.9	-21.1	40.0	328.2	59.3	103.1	-64.3	121.6	328.1	1.00	0.00	0.85	B57R
329	28.2	0.375	0.17	2.193	-1.068	1.431	34.6	-20.9	40.3	329.2	60.0	103.3							