

vea archivos semejantes: <http://130.149.60.45/~farbmetrik/TS14/TS14.HTM>
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

Code	X	Y	Z	x	y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c
D65	95.04	100.0	108.89	0.312	0.329	0.0	0.0	0.0	0.95	-0.435	0				
520_775	76.66	81.98	1.16	0.479	0.513	-1.26	35.24	35.26	0.935	-0.005	92	40	575	20	476
380_520	18.37	18.01	107.72	0.127	0.124	1.26	-35.24	35.26	1.032	-2.392	272	20	476	40	575
D50	96.42	100.0	82.49	0.345	0.358	0.0	0.0	0.0	0.964	-0.329	0				
520_775	82.76	84.29	1.11	0.492	0.501	1.48	27.36	27.41	0.981	-0.005	86	40	577	20	478
380_520	13.65	15.7	81.37	0.123	0.141	-1.48	-27.36	27.41	0.869	-2.073	266	20	478	40	577
P40	100.93	100.0	64.68	0.379	0.376	0.0	0.0	0.0	1.009	-0.258	0				
520_775	90.27	86.6	1.03	0.507	0.486	2.85	21.99	22.18	1.042	-0.004	82	40	579	20	479
380_520	10.66	13.39	63.65	0.121	0.152	-2.85	-21.99	22.18	0.795	-1.9	262	20	479	40	579
A00	109.84	99.99	35.58	0.447	0.407	0.0	0.0	0.0	1.098	-0.142	0				
520_775	104.23	90.39	0.89	0.533	0.462	4.93	12.5	13.44	1.153	-0.003	68	41	583	21	483
380_520	5.61	9.6	34.68	0.112	0.192	-4.93	-12.5	13.44	0.584	-1.445	248	21	483	41	583
E00	100.0	100.0	100.0	0.333	0.333	0.0	0.0	0.0	1.0	-0.4	0				
520_775	82.94	83.65	1.09	0.494	0.498	-0.71	33.02	33.03	0.991	-0.005	91	40	577	20	476
380_520	17.05	16.34	98.9	0.128	0.123	0.71	-33.02	33.03	1.043	-2.42	271	20	476	40	577
C00	98.07	100.0	118.22	0.31	0.316	0.0	0.0	0.0	0.98	-0.472	0				
520_775	77.99	82.02	1.09	0.484	0.509	-2.44	38.35	38.43	0.95	-0.005	93	40	576	20	475
380_520	20.07	17.97	117.13	0.129	0.115	2.44	-38.35	38.43	1.116	-2.606	273	20	475	40	576
P00	102.06	100.0	81.06	0.36	0.353	0.0	0.0	0.0	1.02	-0.324	0				
520_775	88.4	85.46	1.04	0.505	0.488	1.17	27.29	27.31	1.034	-0.004	87	40	579	20	477
380_520	13.65	14.53	80.01	0.126	0.134	-1.17	-27.29	27.31	0.939	-2.202	267	20	477	40	579
Q00	97.93	100.0	118.95	0.309	0.315	0.0	0.0	0.0	0.979	-0.475	0				
520_775	77.48	81.84	1.14	0.482	0.51	-2.67	38.48	38.57	0.946	-0.005	93	40	576	20	475
380_520	20.44	18.15	117.8	0.13	0.116	2.67	-38.48	38.57	1.126	-2.596	273	20	475	40	576

TS140-3N YAB YB, página 1/2

Code	X	Y	Z	x	y	A	B	C _{AB}	a	b	h _{AB}	i _d	λ _d	i _c	λ _c
D65	95.04	100.0	108.89	0.312	0.329	0.0	0.0	0.0	0.95	-0.435	0				
475_575	20.04	60.94	19.98	0.198	0.603	-37.88	18.55	42.18	0.328	-0.131	153	29	523	-1	523c
575_475	74.99	39.05	88.91	0.369	0.192	37.88	-18.55	42.18	1.92	-0.91	333	-1	523c	29	523
D50	96.42	100.0	82.49	0.345	0.358	0.0	0.0	0.0	0.964	-0.329	0				
475_575	19.63	58.33	17.05	0.206	0.613	-36.61	12.42	38.66	0.336	-0.116	161	29	521	-1	521c
575_475	76.79	41.66	65.44	0.417	0.226	36.61	-12.42	38.66	1.842	-0.628	341	-1	521c	29	521
P40	100.93	100.0	64.68	0.379	0.376	0.0	0.0	0.0	1.009	-0.258	0				
475_575	18.89	54.43	14.09	0.216	0.622	-36.04	8.44	37.01	0.347	-0.103	166	29	520	-1	520c
575_475	82.03	45.56	50.59	0.46	0.255	36.04	-8.44	37.01	1.8	-0.444	346	-1	520c	29	520
A00	109.84	99.99	35.58	0.447	0.407	0.0	0.0	0.0	1.098	-0.142	0				
475_575	17.53	47.72	9.65	0.234	0.637	-34.88	2.93	35.01	0.367	-0.08	175	28	517	-1	517c
575_475	92.31	52.27	25.93	0.541	0.306	34.88	-2.93	35.01	1.765	-0.198	355	-1	517c	28	517
E00	100.0	100.0	100.0	0.333	0.333	0.0	0.0	0.0	1.0	-0.4	0				
475_575	19.32	57.7	17.71	0.203	0.609	-38.37	15.99	41.57	0.334	-0.122	157	29	523	-1	523c
575_475	80.67	42.29	82.28	0.393	0.206	38.37	-15.99	41.57	1.907	-0.778	337	-1	523c	29	523
C00	98.07	100.0	118.22	0.31	0.316	0.0	0.0	0.0	0.98	-0.472	0				
475_575	20.3	60.02	20.89	0.2	0.592	-38.55	20.02	43.44	0.338	-0.139	152	29	524	-1	524c
575_475	77.76	39.97	97.32	0.361	0.185	38.55	-20.02	43.44	1.945	-0.973	332	-1	524c	29	524
P00	102.06	100.0	81.06	0.36	0.353	0.0	0.0	0.0	1.02	-0.324	0				
475_575	18.89	55.19	15.54	0.21	0.615	-37.43	11.67	39.21	0.342	-0.112	162	29	521	-1	521c
575_475	83.17	44.8	65.52	0.429	0.231	37.43	-11.67	39.21	1.856	-0.584	342	-1	521c	29	521
Q00	97.93	100.0	118.95	0.309	0.315	0.0	0.0	0.0	0.979	-0.475	0				
475_575	19.76	60.21	19.89	0.197	0.602	-39.2	20.69	44.33	0.328	-0.132	152	29	524	-1	524c
575_475	78.16	39.78	99.06	0.36	0.183	39.2	-20.69	44.33	1.964	-0.995	332	-1	524c	29	524

TS140-7N YAB GM, página 1/2

gráfico TUB-TS14; YB & GM data; 8 illuminants; 2°
CIEXYZ, YABCh, LabCh* data; wavelength λ_d and λ_c

Code	X	Y	Z	x	y	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ _d	i _c	λ _c
D65	95.04	100.0	108.89	0.312	0.329	0.0	0.0	0.01	0.215	-0.086	0				
520_775	76.66	81.98	1.16	0.479	0.513	-2.53	142.99	143.01	0.214	-0.02	91	40	575	20	476
380_520	18.37	18.01	107.72	0.127	0.124	6.76	-86.32	86.58	0.22	-0.152	274	20	476	40	575
D50	96.42	100.0	82.49	0.345	0.358	0.0	0.0	0.01	0.215	-0.086	0				
520_775	82.76	84.29	1.11	0.492	0.501	2.85	141.13	141.16	0.216	-0.021	88	40	577	20	478
380_520	13.65	15.7	81.37	0.123	0.141	-9.12	-91.17	91.63	0.208	-0.159	264	20	478	40	577
P40	100.93	100.0	64.68	0.379	0.376	0.0	0.0	0.01	0.215	-0.086	0				
520_775	90.27	86.6	1.03	0.507	0.486	5.13	140.16	140.25	0.217	-0.022	87	40	579	20	479
380_520	10.66	13.39	63.65	0.121	0.152	-19.46	-96.58	98.52	0.199	-0.167	258	20	479	40	579
A00	109.84	99.99	35.58	0.447	0.407	0.0	0.0	0.01	0.215	-0.086	0				
520_775	104.23	90.39	0.89	0.533	0.462	7.87	134.7	134.93	0.218	-0.026	86	41	583	21	483
380_520	5.61	9.6	34.68	0.112	0.192	-43.37	-106.7	115.18	0.174	-0.186	247	21	483	41	583
E00	100.0	100.0	100.0	0.333	0.333	0.0	0.0	0.01	0.215	-0.086	0				
520_775	82.94	83.65	1.09	0.494	0.498	-1.33	143.87	143.87	0.214	-0.02	90	40	577	20	476
380_520	17.05	16.34	98.9	0.128	0.123	3.9	-89.9	89.99	0.218	-0.157	272	20	476	40	577
C00	98.07	100.0	118.22	0.31	0.316	0.0	0.0	0.01	0.215	-0.086	0				
520_775	77.99	82.02	1.09	0.484	0.509	-4.79	145.12	145.2	0.213	-0.019	91	40	576	20	475
380_520	20.07	17.97	117.13	0.129	0.115	12.48	-86.49	87.38	0.224	-0.152	278	20	475	40	576
P00	102.06	100.0	81.06	0.36	0.353	0.0	0.0	0.01	0.215	-0.086	0				
520_775	88.4	85.46	1.04	0.505	0.488	2.12	142.75	142.76	0.216	-0.021	89	40	579	20	477
380_520	13.65	14.53	80.01	0.126	0.134	-7.13	-93.96	94.23	0.209	-0.163	265	20	477	40	579
Q00	97.93	100.0	118.95	0.309	0.315	0.0	0.0	0.01	0.215	-0.086	0				
520_775	77.48	81.84	1.14	0.482	0.51	-5.25	144.35	144.45	0.213	-0.019	92	40	576	20	475
380_520	20.44	18.15	117.8	0.13	0.116	13.52	-86.1	87.15	0.225	-0.151	278	20	475	40	576

TS141-3N Lab* YB, página 1/2

Code	X	Y	Z	x	y	a*	b*	C* _{ab}	a'	b'	h _{ab}	i _d	λ _d	i _c	λ _c
D65	95.04	100.0	108.89	0.312	0.329	0.0	0.0	0.01	0.215	-0.086	0				
475_575	20.04	60.94	19.98	0.198	0.603	-126.2	75.9	138.09	0.151	-0.057	156	29	523	-1	523c
575_475	74.99	39.05	88.91	0.369	0.192	96.55	-40.74	104.8	0.272	-0.11	337	-1	523c	29	523
D50	96.42	100.0	82.49	0.345	0.358	0.0	0.0	0.01	0.215	-0.086	0				
475_575	19.63	58.33	17.05	0.206	0.613	-123.5	98.84	132.89	0.151	-0.06	158	29	521	-1	521c
575_475	76.79	41.66	65.44	0.417	0.226	89.99	-35.75	96.83	0.267	-0.106	338	-1	521c	29	521
P40	100.93	100.0	64.68	0.379	0.376	0.0	0.0	0.01	0.215	-0.086	0				
475_575	18.89	54.43	14.09	0.216	0.622	-122.1	72.95	129.5	0.15	-0.063	160	29	520	-1	520c
575_475	82.03	45.56	50.59	0.46	0.255	81.84	-30.36	87.29	0.261	-0.103	339	-1	520c	29	520
A00	109.84	99.99	35.58	0.447	0.407	0.0	0.0	0.01	0.215	-0.086	0				
475_575	17.53	47.72	9.65	0.234	0.637	-119.4	26.82	122.44	0.149	-0.071	167	28	517	-1	517c
575_475	92.31	52.27	25.93	0.541	0.306	69.05	-18.86	71.58	0.252	-0.096	344	-1	517c	28	517
E00	100.0	100.0	100.0	0.333	0.333	0.0	0.0	0.01	0.215	-0.086	0				
475_575	19.32	57.7	17.71	0.203	0.609	-127.1	44.16	138.2	0.149	-0.058	156	29	523	-1	523c
575_475	80.67	42.29	82.28	0.393	0.206	90.11	-37.27	97.52	0.267	-0.107	337	-1	523c	29	523
C00	98.07	100.0	118.22	0.31	0.316	0.0	0.0	0.01	0.215	-0.086	0				
475_575	20.3	60.02	20.89	0.2	0.592	-125.9	36.45	138.0	0.151	-0.057	155	29	524	-1	524c
575_475	77.76	39.97	97.32	0.361	0.185	94.44	-40.1	102.6	0.27	-0.109	336	-1	524c	29	524
P00	102.06	100.0	81.06	0.36	0.353	0.0	0.0	0.01	0.215	-0.086	0				
475_575	18.89	55.19	15.54	0.21	0.615	-125.1	38.72	134.3	0.149	-0.06	158	29	521	-1	521c
575_475	83.17	44.8	65.52	0.429	0.231	84.4	-33.25	90.71	0.262	-0.104	338	-1	521c	29	521
Q00	97.93	100.0	118.95	0.309	0.315	0.0	0.0	0.01	0.215	-0.086	0				
475_575	19.76	60.21	19.89	0.197	0.602	-128.9	58.68	141.64	0.149	-0.056	155	29	524	-1	524c
575_475	78.16	39.78	99.06	0.36	0.183	96.05	-41.06	104.46	0.271	-0.11	336	-1	524c	29	524

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información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-TS14/TS14L0NP.PDF /.PS
aplicación para la medida de display output

TUB material: code=rha4ta

Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	A ₁₀	B ₁₀	C _{AB,10}	a ₁₀	b ₁₀	h _{AB,10}	λ _d	i _c	λ _c
D65	94.81	100.0	107.33	0.313	0.33	0.0	0.0	0.0	0.948	-0.429	0			
520_775	76.0	75.81	0.68	0.498	0.497	4.11	32.27	32.53	1.002	-0.003	82	39	573	473
380_520	18.8	24.18	106.64	0.125	0.161	-4.12	-32.27	32.53	0.777	-1.763	262	19	473	573
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.0	0.967	-0.325	0			
520_775	82.62	79.01	0.66	0.509	0.486	6.2	25.46	26.2	1.045	-0.003	76	40	575	475
380_520	14.09	20.98	80.74	0.121	0.181	-6.2	-25.46	26.2	0.671	-1.538	256	20	475	575
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	1.017	-0.257	0			
520_775	90.55	82.13	0.61	0.522	0.473	6.97	20.92	22.06	1.102	-0.002	71	40	577	476
380_520	11.19	17.86	63.83	0.12	0.192	-6.97	-20.92	22.06	0.626	-1.429	251	20	476	577
A00	111.15	99.99	35.19	0.451	0.405	0.0	0.0	0.0	1.111	-0.14	0			
520_775	105.15	87.34	0.52	0.544	0.452	8.07	12.08	14.53	1.203	-0.002	56	41	581	479
380_520	5.99	12.65	34.67	0.112	0.237	-8.07	-12.08	14.53	0.473	-1.095	236	20	479	581
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.0	0.999	-0.4	0			
520_775	82.25	77.97	0.64	0.511	0.484	4.29	30.93	31.22	1.054	-0.003	82	40	575	473
380_520	17.73	22.02	99.36	0.127	0.158	-4.29	-30.93	31.22	0.805	-1.804	262	19	473	575
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.0	0.972	-0.464	0			
520_775	76.94	75.56	0.63	0.502	0.493	3.42	34.85	35.02	1.018	-0.003	84	39	574	472
380_520	20.34	24.43	115.51	0.126	0.152	-3.42	-34.85	35.02	0.832	-1.89	264	19	472	574
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.0	1.023	-0.325	0			
520_775	88.06	80.45	0.61	0.52	0.475	5.69	25.9	26.52	1.094	-0.003	77	40	577	474
380_520	14.31	19.54	80.63	0.124	0.17	-5.69	-25.9	26.52	0.732	-1.65	257	19	474	577
Q00	97.65	100.0	118.42	0.308	0.316	0.0	0.0	0.0	0.976	-0.473	0			
520_775	76.55	75.53	0.67	0.501	0.494	2.79	35.5	35.61	1.013	-0.003	85	39	573	472
380_520	21.09	24.46	117.74	0.129	0.149	-2.79	-35.5	35.61	0.862	-1.924	265	19	472	573

TS140-3N YAB YB, página 2/2

Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	A ₁₀	B ₁₀	C _{AB,10}	a ₁₀	b ₁₀	h _{AB,10}	λ _d	i _c	λ _c
D65	94.81	100.0	107.33	0.313	0.33	0.0	0.0	0.0	0.948	-0.429	0			
475_575	22.42	60.73	16.02	0.226	0.612	-35.16	19.66	40.28	0.369	-0.105	150	30	525	525c
575_475	72.38	39.26	91.31	0.356	0.193	35.16	-19.66	40.28	1.843	-0.93	330	-1	525c	525
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.0	0.967	-0.325	0			
475_575	22.27	58.43	13.78	0.235	0.618	-34.24	13.51	36.81	0.381	-0.094	158	29	524	524c
575_475	74.44	41.56	67.62	0.405	0.226	34.24	-13.51	36.81	1.791	-0.65	338	-1	524c	524
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.0	1.017	-0.257	0			
475_575	21.68	54.74	11.45	0.246	0.622	-34.02	9.53	35.33	0.396	-0.083	164	29	522	522c
575_475	80.07	45.25	52.99	0.449	0.253	34.02	-9.53	35.33	1.769	-0.468	344	-1	522c	522
A00	111.15	99.99	35.19	0.451	0.405	0.0	0.0	0.0	1.111	-0.14	0			
475_575	20.45	48.18	7.89	0.267	0.629	-33.1	3.62	33.3	0.424	-0.065	173	28	518	518c
575_475	90.69	51.81	27.3	0.534	0.305	33.1	-3.62	33.3	1.75	-0.21	353	-1	518c	518
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.0	0.999	-0.4	0			
475_575	21.77	57.67	14.26	0.232	0.615	-35.89	17.36	39.87	0.377	-0.098	154	30	525	525c
575_475	78.21	42.32	85.74	0.379	0.205	35.89	-17.36	39.87	1.847	-0.81	334	-1	525c	525
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.0	0.972	-0.464	0			
475_575	22.49	59.8	16.77	0.227	0.603	-35.68	21.07	41.44	0.376	-0.112	149	30	525	525c
575_475	74.79	40.19	99.37	0.348	0.187	35.68	-21.07	41.44	1.86	-0.988	329	-1	525c	525
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.0	1.023	-0.325	0			
475_575	21.49	55.37	12.59	0.24	0.618	-35.19	12.96	37.5	0.388	-0.09	159	29	524	524c
575_475	80.87	44.62	68.66	0.416	0.229	35.19	-12.96	37.5	1.812	-0.615	339	-1	524c	524
Q00	97.65	100.0	118.42	0.308	0.316	0.0	0.0	0.0	0.976	-0.473	0			
475_575	22.05	59.93	15.9	0.225	0.612	-36.47	22.02	42.6	0.367	-0.106	148	30	526	526c
575_475	75.59	40.06	102.51	0.346	0.183	36.47	-22.02	42.6	1.886	-1.023	328	-1	526c	526

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gráfico TUB-TS14; YB & GM data; 8 illuminants; 10°
CIEXYZ, YABCh, LabCh* data; wavelength λ_d and λ_c

Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	a* ₁₀	b* ₁₀	C* _{ab,10}	α* ₁₀	b* ₁₀	h _{ab,10}	i _d	λ _d	i _c	λ _c
D65	94.81	100.0	107.33	0.313	0.33	0.0	0.0	0.01	0.215	-0.086	0				
520_775	76.0	75.81	0.68	0.498	0.497	8.54	144.07	144.32	0.219	-0.017	86	39	573	19	473
380_520	18.8	24.18	106.64	0.125	0.161	-19.89	-74.95	77.55	0.201	-0.138	255	19	473	39	573
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.01	0.215	-0.086	0				
520_775	82.62	79.01	0.66	0.509	0.486	12.17	146.98	147.48	0.221	-0.018	85	40	575	20	475
380_520	14.09	20.98	80.74	0.121	0.181	-33.98	-80.58	87.46	0.19	-0.144	247	20	475	40	575
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.01	0.215	-0.086	0				
520_775	90.55	82.13	0.61	0.522	0.473	12.68	144.81	145.37	0.221	-0.019	84	40	577	20	476
380_520	11.19	17.86	63.83	0.12	0.192	-41.96	-86.71	96.33	0.183	-0.152	244	20	476	40	577
A00	111.15	99.99	35.19	0.451	0.405	0.0	0.0	0.01	0.215	-0.086	0				
520_775	105.15	87.34	0.52	0.544	0.452	12.9	141.86	142.45	0.221	-0.022	84	41	581	20	479
380_520	5.99	12.65	34.67	0.112	0.237	-62.1	-98.55	116.49	0.162	-0.17	237	20	479	41	581
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.01	0.215	-0.086	0				
520_775	82.25	77.97	0.64	0.511	0.484	8.29	146.41	146.64	0.219	-0.017	86	40	575	19	473
380_520	17.73	22.02	99.36	0.127	0.158	-21.03	-78.76	81.52	0.2	-0.142	255	19	473	40	575
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.01	0.215	-0.086	0				
520_775	76.94	75.56	0.63	0.502	0.493	6.97	144.7	144.87	0.218	-0.016	87	39	574	19	472
380_520	20.34	24.43	115.51	0.126	0.152	-15.81	-74.58	76.24	0.204	-0.137	258	19	472	39	574
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.01	0.215	-0.086	0				
520_775	88.06	80.45	0.61	0.52	0.475	10.48	148.8	149.17	0.22	-0.018	85	40	577	19	474
380_520	14.31	19.54	80.63	0.124	0.17	-30.66	-83.4	88.86	0.192	-0.148	249	19	474	40	577
Q00	97.65	100.0	118.42	0.308	0.316	0.0	0.0	0.01	0.215	-0.086	0				
520_775	76.55	75.53	0.67	0.501	0.494	5.67	144.02	144.13	0.218	-0.016	87	39	573	19	472
380_520	21.09	24.46	117.74	0.129	0.149	-12.69	-74.51	75.59	0.206	-0.137	260	19	472	39	573

TS141-3N Lab* YB, página 2/2

Code	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	a* ₁₀	b* ₁₀	C* _{ab,10}	α* ₁₀	b* ₁₀	h _{ab,10}	i _d	λ _d	i _c	λ _c
D65	94.81	100.0	107.33	0.313	0.33	0.0	0.0	0.01	0.215	-0.086	0				
475_575	22.42	60.73	16.02	0.226	0.612	-114.19	33.26	130.55	0.157	-0.053	151	30	525	-1	525c
575_475	72.38	39.26	91.31	0.356	0.193	90.84	-43.05	100.53	0.268	-0.111	334	-1	525c	30	525
D50	96.72	99.99	81.41	0.347	0.359	0.0	0.0	0.01	0.215	-0.086	0				
475_575	22.27	58.43	13.78	0.235	0.618	-111.55	33.54	125.03	0.157	-0.057	153	29	524	-1	524c
575_475	74.44	41.56	67.62	0.405	0.226	85.07	-38.74	93.48	0.264	-0.108	335	-1	524c	29	524
P40	101.75	100.0	64.44	0.382	0.375	0.0	0.0	0.01	0.215	-0.086	0				
475_575	21.68	54.74	11.45	0.246	0.622	-110.37	31.15	121.64	0.157	-0.059	155	29	522	-1	522c
575_475	80.07	45.25	52.99	0.449	0.253	77.73	-33.82	84.77	0.259	-0.105	336	-1	522c	29	522
A00	111.15	99.99	35.19	0.451	0.405	0.0	0.0	0.01	0.215	-0.086	0				
475_575	20.45	48.18	7.89	0.267	0.629	-107.57	25.26	113.2	0.156	-0.066	161	28	518	-1	518c
575_475	90.69	51.81	27.3	0.534	0.305	65.62	-23.12	69.58	0.25	-0.098	340	-1	518c	28	518
E00	99.99	99.99	100.0	0.333	0.333	0.0	0.0	0.01	0.215	-0.086	0				
475_575	21.77	57.67	14.26	0.232	0.615	-115.34	31.96	130.94	0.155	-0.054	151	30	525	-1	525c
575_475	78.21	42.32	85.74	0.379	0.205	85.27	-39.83	94.12	0.264	-0.109	334	-1	525c	30	525
C00	97.28	99.99	116.14	0.31	0.319	0.0	0.0	0.01	0.215	-0.086	0				
475_575	22.49	59.8	16.77	0.227	0.603	-114.33	33.55	130.81	0.156	-0.053	150	30	525	-1	525c
575_475	74.79	40.19	99.37	0.348	0.187	89.01	-42.26	98.54	0.267	-0.11	334	-1	525c	30	525
P00	102.37	99.99	81.25	0.36	0.352	0.0	0.0	0.01	0.215	-0.086	0				
475_575	21.49	55.37	12.59	0.24	0.618	-113.38	30.8	126.81	0.155	-0.056	153	29	524	-1	524c
575_475	80.87	44.62	68.66	0.416	0.229	80.12	-36.24	87.94	0.26	-0.106	335	-1	524c	29	524
Q00	97.65	100.0	118.42	0.308	0.316	0.0	0.0	0.01	0.215	-0.086	0				
475_575	22.05	59.93	15.9	0.225	0.612	-117.05	36.17	134.46	0.155	-0.052	150	30	526	-1	526c
575_475	75.59	40.06	102.51	0.346	0.183	90.49	-43.16	100.26	0.268	-0.111	334	-1	526c	30	526