Spectral directional emissivity ε_λ determined under various angles with respect to the surface normal
Sample: Nextel 811-21 at 120 °C
Uncertainty is given as standard uncertainty (*k* =1)

Wavenumber / cm-1	$\varepsilon_\lambda(10°)$	*u* (10°)	$\varepsilon_\lambda(20°)$	*u* (20°)	$\varepsilon_\lambda(30°)$	*u* (30°)	$\varepsilon_\lambda(40°)$	*u* (40°)	$\varepsilon_\lambda(50°)$	*u* (50°)	$\varepsilon_\lambda(60°)$	*u* (60°)	$\varepsilon_\lambda(70°)$	*u* (70°)	Wavelength / µm
500.00	0.9734	0.0089	0.9774	0.0079	0.9760	0.0066	0.9730	0.0081	0.9606	0.0063	0.9583	0.0065	0.9062	0.0073	20.000
509.65	0.9723	0.0054	0.9754	0.0045	0.9775	0.0059	0.9664	0.0052	0.9618	0.0063	0.9466	0.0055	0.9107	0.0053	19.621
519.29	0.9721	0.0100	0.9793	0.0100	0.9764	0.0099	0.9655	0.0104	0.9646	0.0100	0.9436	0.0098	0.9071	0.0101	19.257
528.93	0.9750	0.0071	0.9713	0.0075	0.9703	0.0075	0.9705	0.0073	0.9640	0.0071	0.9453	0.0074	0.9087	0.0079	18.906
538.58	0.9768	0.0077	0.9728	0.0074	0.9671	0.0071	0.9718	0.0071	0.9708	0.0069	0.9470	0.0065	0.9100	0.0065	18.567
548.22	0.9741	0.0044	0.9770	0.0044	0.9738	0.0042	0.9688	0.0043	0.9635	0.0039	0.9499	0.0055	0.9089	0.0042	18.241
557.86	0.9743	0.0071	0.9703	0.0062	0.9751	0.0065	0.9756	0.0062	0.9650	0.0057	0.9509	0.0058	0.9123	0.0060	17.926
567.51	0.9771	0.0050	0.9766	0.0036	0.9777	0.0043	0.9746	0.0040	0.9675	0.0050	0.9566	0.0039	0.9114	0.0050	17.621
577.15	0.9722	0.0045	0.9702	0.0053	0.9755	0.0058	0.9696	0.0061	0.9657	0.0050	0.9506	0.0051	0.9069	0.0043	17.327
586.79	0.9703	0.0066	0.9770	0.0063	0.9759	0.0067	0.9664	0.0065	0.9639	0.0066	0.9499	0.0067	0.9157	0.0070	17.042
596.44	0.9782	0.0077	0.9725	0.0074	0.9743	0.0076	0.9724	0.0078	0.9656	0.0075	0.9532	0.0079	0.9075	0.0085	16.766
606.08	0.9741	0.0044	0.9746	0.0052	0.9692	0.0039	0.9734	0.0048	0.9651	0.0039	0.9540	0.0047	0.9153	0.0040	16.499
615.72	0.9750	0.0054	0.9761	0.0055	0.9753	0.0052	0.9710	0.0052	0.9678	0.0053	0.9516	0.0058	0.9111	0.0049	16.241
625.37	0.9716	0.0077	0.9708	0.0068	0.9748	0.0069	0.9700	0.0074	0.9650	0.0075	0.9509	0.0070	0.9163	0.0069	15.991
635.01	0.9711	0.0055	0.9711	0.0043	0.9727	0.0044	0.9696	0.0048	0.9648	0.0049	0.9449	0.0050	0.9167	0.0049	15.748
644.65	0.9730	0.0059	0.9744	0.0051	0.9698	0.0051	0.9711	0.0057	0.9646	0.0050	0.9511	0.0050	0.9173	0.0050	15.512
654.30	0.9743	0.0041	0.9774	0.0040	0.9716	0.0041	0.9698	0.0043	0.9625	0.0046	0.9541	0.0038	0.9143	0.0043	15.284
663.94	0.9747	0.0045	0.9716	0.0042	0.9754	0.0040	0.9692	0.0043	0.9648	0.0037	0.9518	0.0040	0.9182	0.0041	15.062
673.58	0.9697	0.0057	0.9735	0.0055	0.9723	0.0054	0.9709	0.0056	0.9634	0.0062	0.9505	0.0053	0.9139	0.0058	14.846
683.23	0.9704	0.0038	0.9699	0.0042	0.9737	0.0034	0.9715	0.0035	0.9629	0.0036	0.9517	0.0038	0.9127	0.0041	14.636
692.87	0.9720	0.0052	0.9725	0.0041	0.9705	0.0044	0.9713	0.0039	0.9642	0.0041	0.9489	0.0043	0.9161	0.0042	14.433
702.51	0.9735	0.0035	0.9711	0.0035	0.9706	0.0036	0.9693	0.0042	0.9624	0.0035	0.9511	0.0037	0.9108	0.0039	14.235
712.15	0.9730	0.0050	0.9721	0.0047	0.9707	0.0052	0.9696	0.0046	0.9632	0.0046	0.9510	0.0048	0.9169	0.0046	14.042
721.80	0.9686	0.0037	0.9755	0.0040	0.9730	0.0039	0.9698	0.0039	0.9631	0.0040	0.9486	0.0038	0.9139	0.0040	13.854
731.44	0.9741	0.0065	0.9709	0.0063	0.9736	0.0064	0.9679	0.0063	0.9667	0.0062	0.9505	0.0064	0.9174	0.0062	13.672
741.08	0.9732	0.0036	0.9689	0.0033	0.9729	0.0034	0.9688	0.0033	0.9613	0.0035	0.9511	0.0033	0.9147	0.0038	13.494
750.73	0.9703	0.0072	0.9753	0.0073	0.9698	0.0070	0.9679	0.0072	0.9639	0.0072	0.9517	0.0071	0.9155	0.0071	13.320
760.37	0.9725	0.0052	0.9718	0.0050	0.9727	0.0050	0.9663	0.0048	0.9608	0.0048	0.9476	0.0049	0.9174	0.0047	13.151
770.01	0.9752	0.0035	0.9749	0.0035	0.9725	0.0042	0.9693	0.0036	0.9654	0.0032	0.9526	0.0035	0.9178	0.0032	12.987
779.66	0.9768	0.0044	0.9750	0.0047	0.9762	0.0045	0.9709	0.0045	0.9646	0.0044	0.9558	0.0046	0.9220	0.0044	12.826
789.30	0.9743	0.0033	0.9734	0.0037	0.9718	0.0034	0.9713	0.0034	0.9664	0.0033	0.9517	0.0043	0.9212	0.0034	12.669
798.94	0.9719	0.0049	0.9718	0.0051	0.9715	0.0051	0.9677	0.0050	0.9649	0.0049	0.9513	0.0051	0.9197	0.0050	12.517
808.59	0.9737	0.0036	0.9745	0.0037	0.9707	0.0034	0.9683	0.0034	0.9630	0.0034	0.9494	0.0034	0.9203	0.0040	12.367
818.23	0.9738	0.0043	0.9727	0.0039	0.9724	0.0042	0.9686	0.0042	0.9655	0.0049	0.9485	0.0043	0.9190	0.0039	12.222
827.87	0.9703	0.0076	0.9721	0.0075	0.9711	0.0073	0.9682	0.0072	0.9625	0.0071	0.9526	0.0071	0.9190	0.0073	12.079
837.52	0.9708	0.0045	0.9730	0.0050	0.9701	0.0044	0.9673	0.0047	0.9627	0.0044	0.9502	0.0043	0.9194	0.0046	11.940
847.16	0.9710	0.0062	0.9697	0.0059	0.9723	0.0058	0.9678	0.0059	0.9628	0.0060	0.9497	0.0059	0.9158	0.0058	11.804
856.80	0.9690	0.0033	0.9699	0.0038	0.9726	0.0040	0.9701	0.0032	0.9607	0.0032	0.9496	0.0035	0.9169	0.0037	11.671
866.45	0.9692	0.0059	0.9718	0.0058	0.9707	0.0059	0.9702	0.0060	0.9616	0.0058	0.9514	0.0058	0.9145	0.0058	11.541
876.09	0.9712	0.0033	0.9705	0.0031	0.9690	0.0035	0.9703	0.0033	0.9630	0.0032	0.9492	0.0037	0.9180	0.0033	11.414
885.73	0.9732	0.0047	0.9680	0.0043	0.9716	0.0043	0.9673	0.0043	0.9641	0.0051	0.9490	0.0046	0.9169	0.0042	11.290
895.38	0.9699	0.0052	0.9696	0.0051	0.9724	0.0051	0.9693	0.0050	0.9643	0.0055	0.9473	0.0050	0.9187	0.0050	11.168
905.02	0.9715	0.0035	0.9704	0.0041	0.9716	0.0036	0.9650	0.0034	0.9607	0.0033	0.9491	0.0036	0.9161	0.0043	11.049
914.66	0.9726	0.0037	0.9674	0.0035	0.9690	0.0036	0.9656	0.0036	0.9626	0.0037	0.9502	0.0036	0.9136	0.0034	10.933
924.31	0.9709	0.0038	0.9710	0.0036	0.9696	0.0037	0.9676	0.0035	0.9604	0.0041	0.9489	0.0039	0.9163	0.0034	10.819
933.95	0.9676	0.0050	0.9704	0.0046	0.9669	0.0045	0.9682	0.0046	0.9589	0.0046	0.9480	0.0044	0.9181	0.0043	10.707
943.59	0.9699	0.0040	0.9703	0.0044	0.9674	0.0042	0.9648	0.0043	0.9613	0.0040	0.9499	0.0042	0.9151	0.0041	10.598
953.24	0.9667	0.0061	0.9702	0.0060	0.9654	0.0059	0.9657	0.0059	0.9591	0.0059	0.9484	0.0058	0.9187	0.0057	10.491
962.88	0.9673	0.0032	0.9705	0.0033	0.9675	0.0031	0.9646	0.0032	0.9598	0.0031	0.9465	0.0030	0.9168	0.0033	10.386
972.52	0.9720	0.0031	0.9698	0.0032	0.9686	0.0033	0.9631	0.0032	0.9579	0.0033	0.9470	0.0030	0.9152	0.0033	10.283
982.17	0.9683	0.0034	0.9692	0.0030	0.9681	0.0031	0.9653	0.0031	0.9582	0.0032	0.9488	0.0031	0.9144	0.0033	10.182
991.81	0.9678	0.0035	0.9678	0.0034	0.9675	0.0032	0.9625	0.0035	0.9585	0.0042	0.9461	0.0034	0.9106	0.0032	10.083
1001.45	0.9655	0.0039	0.9679	0.0038	0.9645	0.0041	0.9631	0.0039	0.9575	0.0037	0.9450	0.0037	0.9164	0.0038	9.986
1011.10	0.9678	0.0035	0.9691	0.0033	0.9653	0.0035	0.9626	0.0036	0.9571	0.0033	0.9469	0.0033	0.9185	0.0032	9.890
1020.74	0.9666	0.0037	0.9653	0.0034	0.9683	0.0035	0.9657	0.0033	0.9591	0.0034	0.9486	0.0038	0.9188	0.0033	9.797
1030.38	0.9684	0.0030	0.9687	0.0036	0.9695	0.0033	0.9660	0.0033	0.9587	0.0032	0.9471	0.0031	0.9182	0.0031	9.705
1040.03	0.9690	0.0040	0.9707	0.0040	0.9669	0.0039	0.9654	0.0038	0.9595	0.0040	0.9459	0.0043	0.9176	0.0041	9.615
1049.67	0.9642	0.0063	0.9665	0.0063	0.9679	0.0064	0.9656	0.0062	0.9585	0.0063	0.9476	0.0063	0.9172	0.0063	9.527
1059.31	0.9674	0.0038	0.9668	0.0031	0.9664	0.0032	0.9645	0.0033	0.9585	0.0031	0.9478	0.0031	0.9153	0.0032	9.440
1068.95	0.9662	0.0044	0.9711	0.0043	0.9665	0.0042	0.9631	0.0042	0.9585	0.0040	0.9455	0.0042	0.9168	0.0040	9.355
1078.60	0.9690	0.0031	0.9688	0.0032	0.9672	0.0030	0.9637	0.0031	0.9623	0.0034	0.9490	0.0030	0.9198	0.0036	9.271
1088.24	0.9714	0.0030	0.9675	0.0030	0.9682	0.0032	0.9690	0.0032	0.9609	0.0032	0.9476	0.0034	0.9190	0.0030	9.189
1097.88	0.9703	0.0034	0.9691	0.0033	0.9678	0.0031	0.9653	0.0032	0.9599	0.0031	0.9464	0.0032	0.9191	0.0032	9.108
1107.53	0.9680	0.0033	0.9680	0.0033	0.9669	0.0031	0.9617	0.0030	0.9573	0.0034	0.9488	0.0031	0.9186	0.0030	9.029
1117.17	0.9669	0.0032	0.9675	0.0030	0.9673	0.0030	0.9629	0.0030	0.9583	0.0033	0.9462	0.0031	0.9144	0.0030	8.951
1126.81	0.9674	0.0031	0.9664	0.0036	0.9659	0.0033	0.9632	0.0031	0.9582	0.0031	0.9459	0.0033	0.9171	0.0031	8.875
1136.46	0.9692	0.0042	0.9655	0.0039	0.9648	0.0039	0.9636	0.0039	0.9564	0.0039	0.9494	0.0039	0.9176	0.0040	8.799
1146.10	0.9697	0.0033	0.9673	0.0030	0.9686	0.0030	0.9653	0.0032	0.9618	0.0032	0.9489	0.0033	0.9216	0.0031	8.725
1155.74	0.9686	0.0055	0.9672	0.0049	0.9703	0.0049	0.9661	0.0050	0.9627	0.0050	0.9471	0.0050	0.9220	0.0048	8.652
1165.39	0.9720	0.0031	0.9699	0.0031	0.9714	0.0033	0.9648	0.0036	0.9594	0.0032	0.9517	0.0031	0.9241	0.0033	8.581
1175.03	0.9706	0.0037	0.9693	0.0036	0.9715	0.0036	0.9673	0.0035	0.9631	0.0037	0.9506	0.0035	0.9266	0.0039	8.510
1184.67	0.9695	0.0031	0.9729	0.0031	0.9723	0.0030	0.9678	0.0031	0.9634	0.0031	0.9523	0.0034	0.9252	0.0032	8.441
1194.32	0.9716	0.0042	0.9715	0.0046	0.9725	0.0044	0.9703	0.0043	0.9629	0.0042	0.9496	0.0042	0.9249	0.0042	8.373
1203.96	0.9700	0.0046	0.9695	0.0052	0.9694	0.0045	0.9630	0.0045	0.9634	0.0046	0.9520	0.0045	0.9265	0.0045	8.306
1213.60	0.9696	0.0031	0.9718	0.0031	0.9672	0.0032	0.9665	0.0033	0.9607	0.0030	0.9509	0.0031	0.9246	0.0034	8.240
1223.25	0.9718	0.0045	0.9692	0.0035	0.9693	0.0035	0.9661	0.0034	0.9626	0.0039	0.9502	0.0038	0.9237	0.0033	8.175
1232.89	0.9693	0.0043	0.9717	0.0042	0.9689	0.0041	0.9659	0.0044	0.9623	0.0042	0.9499	0.0042	0.9240	0.0042	8.111
1242.53	0.9667	0.0061	0.9715	0.0061	0.9696	0.0061	0.9655	0.0062	0.9619	0.0062	0.9507	0.0062	0.9260	0.0062	8.048
1252.18	0.9707	0.0047	0.9734	0.0046	0.9699	0.0044	0.9698	0.0044	0.9627	0.0045	0.9508	0.0045	0.9293	0.0047	7.986
1261.82	0.9713	0.0037	0.9701	0.0036	0.9730	0.0038	0.9703	0.0040	0.9635	0.0036	0.9542	0.0036	0.9304	0.0041	7.925
1271.46	0.9746	0.0032	0.9733	0.0035	0.9726	0.0032	0.9683	0.0032	0.9677	0.0034	0.9569	0.0032	0.9307	0.0032	7.865
1281.11	0.9739	0.0031	0.9741	0.0031	0.9732	0.0033	0.9741	0.0037	0.9676	0.0034	0.9586	0.0033	0.9313	0.0030	7.806
1290.75	0.9745	0.0044	0.9744	0.0041	0.9743	0.0043	0.9691	0.0042	0.9660	0.0040	0.9583	0.0046	0.9313	0.0045	7.747
1300.39	0.9735	0.0033	0.9773	0.0038	0.9715	0.0034	0.9743	0.0035	0.9684	0.0033	0.9562	0.0036	0.9331	0.0035	7.690
1310.04	0.9748	0.0036	0.9720	0.0035	0.9750	0.0037	0.9701	0.0035	0.9664	0.0040	0.9582	0.0039	0.9342	0.0035	7.633
1319.68	0.9742	0.0035	0.9745	0.0033	0.9741	0.0034	0.9701	0.0032	0.9673	0.0032	0.9568	0.0037	0.9338	0.0033	7.578
1329.32	0.9745	0.0040	0.9754	0.0036	0.9733	0.0036	0.9714	0.0039	0.9669	0.0035	0.9568	0.0037	0.9369	0.0038	7.523
1338.97	0.9729	0.0036	0.9769	0.0038	0.9747	0.0035	0.9724	0.0041	0.9670	0.0036	0.9560	0.0036	0.9320	0.0034	7.468
1348.61	0.9729	0.0040	0.9734	0.0039	0.9738	0.0039	0.9689	0.0039	0.9657	0.0043	0.9565	0.0038	0.9313	0.0039	7.415
1358.25	0.9730	0.0034	0.9738	0.0034	0.9721	0.0035	0.9710	0.0035	0.9660	0.0033	0.9561	0.0034	0.9320	0.0032	7.362
1367.90	0.9730	0.0036	0.9721	0.0035	0.9722	0.0033	0.9683	0.0031	0.9637	0.0031	0.9532	0.0030	0.9317	0.0033	7.310
1377.54	0.9716	0.0034	0.9722	0.0033	0.9730	0.0035	0.9713	0.0032	0.9635	0.0031	0.9547	0.0036	0.9335	0.0031	7.259
1387.18	0.9728	0.0041	0.9750	0.0034	0.9701	0.0036	0.9704	0.0035	0.9647	0.0037	0.9554	0.0033	0.9340	0.0041	7.209
1396.83	0.9719	0.0037	0.9722	0.0031	0.9723	0.0031	0.9670	0.0032	0.9662	0.0032	0.9573	0.0032	0.9298	0.0029	7.159
1406.47	0.9756	0.0052	0.9743	0.0054	0.9694	0.0052	0.9685	0.0053	0.9659	0.0053	0.9559	0.0052	0.9277	0.0057	7.110
1416.11	0.9733	0.0040	0.9725	0.0040	0.9695	0.0032	0.9679	0.0038	0.9634	0.0036	0.9507	0.0034	0.9309	0.0031	7.062
1425.76	0.9700	0.0039	0.9712	0.0031	0.9687	0.0034	0.9660	0.0036	0.9662	0.0036	0.9527	0.0039	0.9298	0.0033	7.014
1435.40	0.9718	0.0034	0.9684	0.0031	0.9672	0.0033	0.9642	0.0033	0.9620	0.0034	0.9494	0.0033	0.9258	0.0032	6.967
1445.04	0.9722	0.0037	0.9695	0.0037	0.9691	0.0032	0.9644	0.0030	0.9641	0.0034	0.9493	0.0037	0.9239	0.0040	6.920
1454.69	0.9691	0.0042	0.9707	0.0042	0.9680	0.0050	0.9677	0.0043	0.9651	0.0041	0.9526	0.0047	0.9276	0.0041	6.874
1464.33	0.9755	0.0038	0.9734	0.0038	0.9726	0.0039	0.9691	0.0043	0.9656	0.0037	0.9573	0.0033	0.9347	0.0036	6.829
1473.97	0.9775	0.0038	0.9756	0.0039	0.9765	0.0036	0.9725	0.0037	0.9702	0.0037	0.9637	0.0033	0.9429	0.0032	6.784
1483.61	0.9746	0.0033	0.9758	0.0036	0.9773	0.0033	0.9738	0.0034	0.9699	0.0040	0.9613	0.0034	0.9342	0.0032	6.740
1493.26	0.9714	0.0039	0.9768	0.0038	0.9741	0.0041	0.9717	0.0035	0.9680	0.0041	0.9577	0.0036	0.9356	0.0035	6.697
1502.90	0.9766	0.0047	0.9732	0.0049	0.9749	0.0046	0.9729	0.0046	0.9662	0.0046	0.9566	0.0046	0.9356	0.0045	6.654
1512.54	0.9773	0.0039	0.9759	0.0034	0.9717	0.0033	0.9727	0.0035	0.9657	0.0042	0.9587	0.0040	0.9345	0.0037	6.611
1522.19	0.9764	0.0047	0.9741	0.0046	0.9720	0.0049	0.9727	0.0046	0.9695	0.0048	0.9598	0.0056	0.9351	0.0044	6.569
1531.83	0.9750	0.0033	0.9721	0.0035	0.9762	0.0038	0.9715	0.0034	0.9686	0.0036	0.9568	0.0032	0.9347	0.0038	6.528
1541.47	0.9737	0.0039	0.9796	0.0045	0.9760	0.0052	0.9684	0.0039	0.9666	0.0040	0.9567	0.0051	0.9372	0.0043	6.487
1551.12	0.9746	0.0041	0.9727	0.0040	0.9740	0.0039	0.9706	0.0035	0.9703	0.0036	0.9555	0.0040	0.9369	0.0039	6.447
1560.76	0.9741	0.0043	0.9748	0.0046	0.9714	0.0050	0.9732	0.0048	0.9665	0.0046	0.9566	0.0050	0.9337	0.0045	6.407
1570.40	0.9756	0.0035	0.9762	0.0037	0.9730	0.0035	0.9673	0.0035	0.9690	0.0037	0.9588	0.0035	0.9356	0.0033	6.368
1580.05	0.9741	0.0041	0.9698	0.0048	0.9707	0.0043	0.9675	0.0041	0.9657	0.0048	0.9570	0.0041	0.9300	0.0042	6.329
1589.69	0.9699	0.0043	0.9680	0.0042	0.9700	0.0044	0.9666	0.0056	0.9673	0.0050	0.9538	0.0045	0.9314	0.0050	6.291
1599.33	0.9713	0.0059	0.9724	0.0061	0.9694	0.0059	0.9661	0.0057	0.9623	0.0056	0.9512	0.0057	0.9325	0.0055	6.253
1608.98	0.9630	0.0048	0.9716	0.0056	0.9664	0.0049	0.9662	0.0050	0.9657	0.0046	0.9501	0.0053	0.9297	0.0046	6.215
1618.62	0.9712	0.0035	0.9685	0.0032	0.9656	0.0034	0.9678	0.0035	0.9565	0.0037	0.9537	0.0038	0.9289	0.0044	6.178
1628.26	0.9676	0.0039	0.9686	0.0037	0.9696	0.0040	0.9613	0.0047	0.9585	0.0040	0.9474	0.0044	0.9266	0.0042	6.142
1637.91	0.9680	0.0036	0.9675	0.0043	0.9658	0.0043	0.9670	0.0040	0.9641	0.0039	0.9441	0.0042	0.9259	0.0049	6.105
1647.55	0.9688	0.0045	0.9674	0.0039	0.9704	0.0041	0.9642	0.0038	0.9584	0.0037	0.9433	0.0042	0.9257	0.0041	6.070
1657.19	0.9649	0.0039	0.9685	0.0042	0.9635	0.0047	0.9656	0.0042	0.9593	0.0048	0.9445	0.0044	0.9266	0.0048	6.034
1666.84	0.9653	0.0054	0.9647	0.0054	0.9629	0.0046	0.9628	0.0049	0.9550	0.0051	0.9463	0.0061	0.9213	0.0058	5.999
1676.48	0.9633	0.0035	0.9633	0.0047	0.9636	0.0033	0.9629	0.0043	0.9594	0.0033	0.9450	0.0037	0.9222	0.0036	5.965
1686.12	0.9721	0.0097	0.9686	0.0101	0.9678	0.0100	0.9604	0.0098	0.9553	0.0097	0.9470	0.0100	0.9230	0.0096	5.931
1695.77	0.9704	0.0042	0.9722	0.0041	0.9765	0.0054	0.9677	0.0043	0.9645	0.0035	0.9500	0.0041	0.9245	0.0040	5.897
1705.41	0.9667	0.0044	0.9726	0.0046	0.9673	0.0045	0.9681	0.0056	0.9663	0.0048	0.9497	0.0054	0.9306	0.0042	5.864
1715.05	0.9677	0.0057	0.9688	0.0064	0.9670	0.0059	0.9588	0.0061	0.9611	0.0064	0.9516	0.0057	0.9295	0.0059	5.831
1724.70	0.9680	0.0050	0.9710	0.0046	0.9686	0.0052	0.9702	0.0040	0.9644	0.0037	0.9543	0.0040	0.9232	0.0039	5.798
1734.34	0.9746	0.0048	0.9784	0.0061	0.9694	0.0057	0.9733	0.0042	0.9692	0.0048	0.9594	0.0047	0.9418	0.0045	5.766
1743.98	0.9816	0.0048	0.9816	0.0051	0.9812	0.0044	0.9800	0.0067	0.9755	0.0047	0.9715	0.0039	0.9532	0.0038	5.734
1753.63	0.9803	0.0036	0.9774	0.0056	0.9825	0.0049	0.9824	0.0042	0.9799	0.0038	0.9722	0.0036	0.9606	0.0040	5.702
1763.27	0.9788	0.0038	0.9847	0.0043	0.9749	0.0053	0.9825	0.0050	0.9760	0.0047	0.9748	0.0041	0.9569	0.0063	5.671
1772.91	0.9833	0.0059	0.9759	0.0036	0.9799	0.0038	0.9757	0.0039	0.9799	0.0042	0.9642	0.0040	0.9510	0.0044	5.640
1782.56	0.9808	0.0060	0.9745	0.0047	0.9743	0.0050	0.9708	0.0050	0.9726	0.0067	0.9671	0.0077	0.9417	0.0050	5.610
1792.20	0.9740	0.0050	0.9763	0.0055	0.9695	0.0046	0.9765	0.0055	0.9703	0.0041	0.9649	0.0044	0.9395	0.0042	5.580
1801.84	0.9720	0.0040	0.9741	0.0042	0.9755	0.0036	0.9723	0.0039	0.9714	0.0043	0.9687	0.0039	0.9404	0.0047	5.550
1811.49	0.9731	0.0051	0.9765	0.0051	0.9669	0.0043	0.9651	0.0038	0.9690	0.0047	0.9578	0.0059	0.9361	0.0037	5.520
1821.13	0.9741	0.0057	0.9729	0.0053	0.9719	0.0051	0.9749	0.0048	0.9714	0.0050	0.9592	0.0046	0.9329	0.0041	5.491
1830.77	0.9725	0.0064	0.9761	0.0043	0.9717	0.0046	0.9687	0.0050	0.9670	0.0089	0.9502	0.0064	0.9386	0.0042	5.462
1840.42	0.9816	0.0109	0.9804	0.0103	0.9758	0.0103	0.9658	0.0103	0.9671	0.0109	0.9542	0.0110	0.9365	0.0103	5.434
1850.06	0.9767	0.0058	0.9735	0.0044	0.9786	0.0035	0.9633	0.0040	0.9702	0.0047	0.9575	0.0046	0.9339	0.0090	5.405
1859.70	0.9721	0.0074	0.9756	0.0065	0.9741	0.0071	0.9697	0.0073	0.9610	0.0071	0.9610	0.0090	0.9344	0.0066	5.377
1869.35	0.9686	0.0063	0.9733	0.0058	0.9742	0.0045	0.9705	0.0067	0.9626	0.0053	0.9640	0.0076	0.9366	0.0075	5.349
1878.99	0.9735	0.0061	0.9666	0.0069	0.9685	0.0054	0.9737	0.0078	0.9622	0.0051	0.9515	0.0054	0.9388	0.0068	5.322
1888.63	0.9639	0.0114	0.9703	0.0108	0.9768	0.0119	0.9604	0.0118	0.9676	0.0116	0.9490	0.0116	0.9346	0.0121	5.295
1898.27	0.9735	0.0058	0.9813	0.0070	0.9755	0.0067	0.9754	0.0074	0.9600	0.0059	0.9560	0.0073	0.9384	0.0114	5.268
1907.92	0.9728	0.0121	0.9786	0.0116	0.9655	0.0115	0.9701	0.0110	0.9549	0.0107	0.9629	0.0115	0.9336	0.0119	5.241
1917.56	0.9628	0.0080	0.9713	0.0093	0.9689	0.0085	0.9749	0.0077	0.9639	0.0075	0.9540	0.0088	0.9395	0.0062	5.215
1927.20	0.9728	0.0091	0.9603	0.0092	0.9694	0.0093	0.9686	0.0094	0.9674	0.0152	0.9532	0.0089	0.9419	0.0086	5.189
1936.85	0.9666	0.0057	0.9717	0.0070	0.9660	0.0057	0.9619	0.0076	0.9794	0.0065	0.9526	0.0056	0.9277	0.0051	5.163

1946.49	0.9709	0.0039	0.9714	0.0091	0.9613	0.0083	0.9634	0.0083	0.9512	0.0111	0.9552	0.0081	0.9251	0.0046	5.137
1956.13	0.9710	0.0072	0.9716	0.0059	0.9523	0.0045	0.9824	0.0062	0.9587	0.0095	0.9490	0.0067	0.9334	0.0156	5.112
1965.78	0.9879	0.0166	0.9679	0.0177	0.9695	0.0188	0.9655	0.0169	0.9616	0.0183	0.9627	0.0181	0.9317	0.0187	5.087
1975.42	0.9686	0.0113	0.9745	0.0136	0.9689	0.0107	0.9534	0.0084	0.9596	0.0094	0.9500	0.0154	0.9229	0.0179	5.062
1985.06	0.9698	0.0088	0.9677	0.0143	0.9755	0.0067	0.9605	0.0078	0.9577	0.0115	0.9537	0.0230	0.9322	0.0066	5.038
1994.71	0.9861	0.0112	0.9655	0.0123	0.9720	0.0135	0.9750	0.0120	0.9517	0.0121	0.9482	0.0142	0.9361	0.0116	5.013
2004.35	0.9833	0.0246	0.9647	0.0263	0.9760	0.0255	0.9778	0.0261	0.9751	0.0259	0.9636	0.0244	0.9381	0.0244	4.989
2013.99	0.9728	0.0109	0.9646	0.0131	0.9874	0.0100	0.9827	0.0116	0.9478	0.0087	0.9550	0.0081	0.9271	0.0132	4.965
2023.64	0.9754	0.0118	0.9783	0.0121	0.9651	0.0093	0.9817	0.0115	0.9624	0.0086	0.9607	0.0114	0.9395	0.0069	4.942
2033.28	0.9747	0.0189	0.9691	0.0150	0.9709	0.0183	0.9694	0.0171	0.9605	0.0174	0.9549	0.0184	0.9318	0.0188	4.918
2042.92	0.9818	0.0130	0.9732	0.0197	0.9577	0.0183	0.9659	0.0190	0.9635	0.0139	0.9640	0.0164	0.9362	0.0141	4.895
2052.57	0.9676	0.0135	0.9633	0.0139	0.9841	0.0163	0.9718	0.0164	0.9650	0.0172	0.9579	0.0168	0.9416	0.0137	4.872
2062.21	0.9859	0.0087	0.9739	0.0056	0.9736	0.0120	0.9567	0.0110	0.9647	0.0080	0.9495	0.0066	0.9320	0.0117	4.849
2071.85	0.9769	0.0141	0.9701	0.0066	0.9690	0.0121	0.9598	0.0100	0.9524	0.0085	0.9559	0.0084	0.9431	0.0065	4.827
2081.50	0.9886	0.0198	0.9797	0.0180	0.9677	0.0182	0.9746	0.0172	0.9566	0.0182	0.9473	0.0187	0.9326	0.0170	4.804
2091.14	0.9703	0.0142	0.9666	0.0158	0.9657	0.0181	0.9587	0.0159	0.9528	0.0154	0.9589	0.0147	0.9322	0.0190	4.782
2100.78	0.9618	0.0052	0.9673	0.0187	0.9696	0.0088	0.9699	0.0080	0.9666	0.0080	0.9593	0.0099	0.9446	0.0088	4.760
2110.43	0.9926	0.0160	0.9794	0.0174	0.9644	0.0178	0.9614	0.0191	0.9456	0.0176	0.9467	0.0166	0.9222	0.0174	4.738
2120.07	0.9676	0.0095	0.9825	0.0102	0.9617	0.0096	0.9727	0.0109	0.9532	0.0130	0.9509	0.0122	0.9415	0.0118	4.717
2129.71	0.9856	0.0077	0.9735	0.0110	0.9600	0.0085	0.9567	0.0141	0.9588	0.0067	0.9483	0.0120	0.9417	0.0085	4.695
2139.36	0.9744	0.0102	0.9628	0.0120	0.9806	0.0163	0.9564	0.0086	0.9683	0.0239	0.9593	0.0158	0.9275	0.0110	4.674
2149.00	0.9787	0.0113	0.9585	0.0225	0.9700	0.0162	0.9521	0.0117	0.9689	0.0131	0.9411	0.0168	0.9503	0.0174	4.653
2158.64	0.9959	0.0140	0.9546	0.0128	0.9771	0.0141	0.9690	0.0130	0.9673	0.0205	0.9325	0.0125	0.9421	0.0125	4.633
2168.29	0.9580	0.0211	0.9542	0.0112	0.9706	0.0057	0.9561	0.0090	0.9810	0.0184	0.9739	0.0149	0.9469	0.0145	4.612
2177.93	0.9752	0.0203	0.9728	0.0167	0.9671	0.0124	0.9615	0.0170	0.9655	0.0107	0.9564	0.0159	0.9317	0.0126	4.592
2187.57	0.9639	0.0238	0.9701	0.0252	0.9818	0.0201	0.9837	0.0232	0.9643	0.0207	0.9545	0.0211	0.9325	0.0201	4.571
2197.22	0.9607	0.0164	0.9770	0.0185	0.9607	0.0232	0.9693	0.0216	0.9538	0.0153	0.9752	0.0213	0.9452	0.0259	4.551
2206.86	0.9605	0.0154	0.9633	0.0103	0.9751	0.0126	0.9670	0.0220	0.9564	0.0186	0.9651	0.0136	0.9225	0.0149	4.531
2216.50	0.9753	0.0108	0.9662	0.0125	0.9648	0.0084	0.9697	0.0070	0.9772	0.0158	0.9675	0.0065	0.9088	0.0097	4.512
2226.15	0.9793	0.0102	0.9661	0.0077	0.9703	0.0300	0.9547	0.0134	0.9596	0.0132	0.9546	0.0114	0.9259	0.0116	4.492
2235.79	0.9749	0.0137	0.9670	0.0126	0.9768	0.0101	0.9518	0.0159	0.9593	0.0104	0.9509	0.0201	0.9336	0.0151	4.473
2245.43	0.9632	0.0136	0.9831	0.0158	0.9772	0.0091	0.9697	0.0097	0.9451	0.0199	0.9785	0.0141	0.9217	0.0137	4.453
2255.08	0.9780	0.0232	0.9595	0.0096	0.9853	0.0084	0.9792	0.0130	0.9640	0.0095	0.9339	0.0117	0.9387	0.0099	4.434
2264.72	0.9615	0.0181	0.9746	0.0211	0.9949	0.0223	0.9644	0.0166	0.9626	0.0145	0.9727	0.0192	0.9576	0.0127	4.416
2274.36	0.9642	0.0127	0.9660	0.0092	0.9792	0.0182	0.9910	0.0119	0.9581	0.0171	0.9296	0.0143	0.9341	0.0129	4.397
2284.01	0.9688	0.0086	0.9497	0.0112	0.9511	0.0106	0.9606	0.0140	0.9635	0.0113	0.9470	0.0095	0.9105	0.0087	4.378
2293.65	0.9483	0.0122	0.9610	0.0137	0.9583	0.0087	0.9609	0.0148	0.9525	0.0084	0.9599	0.0134	0.9084	0.0166	4.360
2303.29	0.9801	0.0183	0.9793	0.0126	0.9810	0.0132	0.9930	0.0169	0.9666	0.0206	0.9293	0.0138	0.9357	0.0118	4.342
2312.94	0.9783	0.0091	0.9796	0.0087	0.9604	0.0069	0.9486	0.0132	0.9781	0.0137	0.9582	0.0074	0.9276	0.0151	4.324
2322.58	0.9854	0.0146	0.9708	0.0145	0.9479	0.0165	0.9776	0.0155	0.9508	0.0222	0.9649	0.0169	0.9405	0.0230	4.306
2332.22	0.9540	0.0212	0.9694	0.0155	0.9665	0.0142	0.9879	0.0119	0.9672	0.0206	0.9509	0.0140	0.9496	0.0200	4.288
2341.86	0.9515	0.0117	0.9487	0.0115	0.9607	0.0120	0.9573	0.0093	0.9767	0.0116	0.9469	0.0168	0.9247	0.0163	4.270
2351.51	0.9907	0.0105	0.9604	0.0195	0.9871	0.0074	0.9651	0.0040	0.9368	0.0073	0.9535	0.0176	0.9097	0.0100	4.253
2361.15	0.9878	0.0234	0.9975	0.0289	0.9396	0.0257	0.9782	0.0246	0.9610	0.0247	0.9509	0.0247	0.9222	0.0322	4.235
2370.79	0.9835	0.0178	0.9891	0.0230	0.9726	0.0126	0.9498	0.0114	0.9796	0.0250	0.9545	0.0177	0.9275	0.0143	4.218
2380.44	0.9346	0.0258	0.9755	0.0276	0.9703	0.0295	0.9309	0.0250	0.9712	0.0243	0.9489	0.0290	0.9234	0.0301	4.201
2390.08	0.9637	0.0219	0.9569	0.0156	0.9510	0.0158	0.9715	0.0185	0.9413	0.0147	0.9340	0.0176	0.9098	0.0199	4.184
2399.72	0.9716	0.0254	0.9661	0.0214	0.9556	0.0147	0.9809	0.0107	0.9712	0.0053	0.9597	0.0165	0.9301	0.0114	4.167
2409.37	0.9412	0.0328	0.9584	0.0269	0.9670	0.0315	0.9785	0.0294	0.9450	0.0338	0.9571	0.0265	0.9393	0.0280	4.150
2419.01	0.9518	0.0177	0.9672	0.0236	0.9692	0.0261	0.9663	0.0257	0.9412	0.0209	0.9421	0.0198	0.9300	0.0236	4.134
2428.65	0.9858	0.0159	0.9719	0.0194	0.9618	0.0115	0.9303	0.0204	0.9764	0.0156	0.9548	0.0173	0.9265	0.0119	4.118
2438.30	0.9612	0.0161	0.9415	0.0128	0.9659	0.0208	0.9572	0.0252	0.9731	0.0124	0.9762	0.0206	0.9569	0.0178	4.101
2447.94	0.9774	0.0203	0.9598	0.0270	0.9604	0.0194	0.9516	0.0163	0.9541	0.0242	0.9265	0.0268	0.9630	0.0201	4.085
2457.58	0.9819	0.0167	1.0096	0.0210	0.9570	0.0159	0.9310	0.0237	0.9586	0.0245	0.9910	0.0172	0.9432	0.0181	4.069
2467.23	0.9667	0.0111	0.9868	0.0288	0.9692	0.0131	0.9637	0.0114	0.9465	0.0143	0.9372	0.0186	0.9281	0.0189	4.053
2476.87	0.9341	0.0211	0.9611	0.0190	0.9751	0.0174	0.9620	0.0105	0.9926	0.0313	0.9429	0.0305	0.9190	0.0160	4.037
2486.51	0.9544	0.0246	0.9311	0.0229	0.9786	0.0291	0.9762	0.0244	0.9601	0.0211	0.9498	0.0141	0.8932	0.0161	4.022
2496.16	0.9256	0.0259	0.9646	0.0271	0.9909	0.0234	0.9754	0.0318	0.9731	0.0261	0.9223	0.0229	0.9279	0.0210	4.006