Dielectric
A Division of SPX Corporaton

Calculated Elevation Pattern

Up   Angle from Horizontal   **Down**
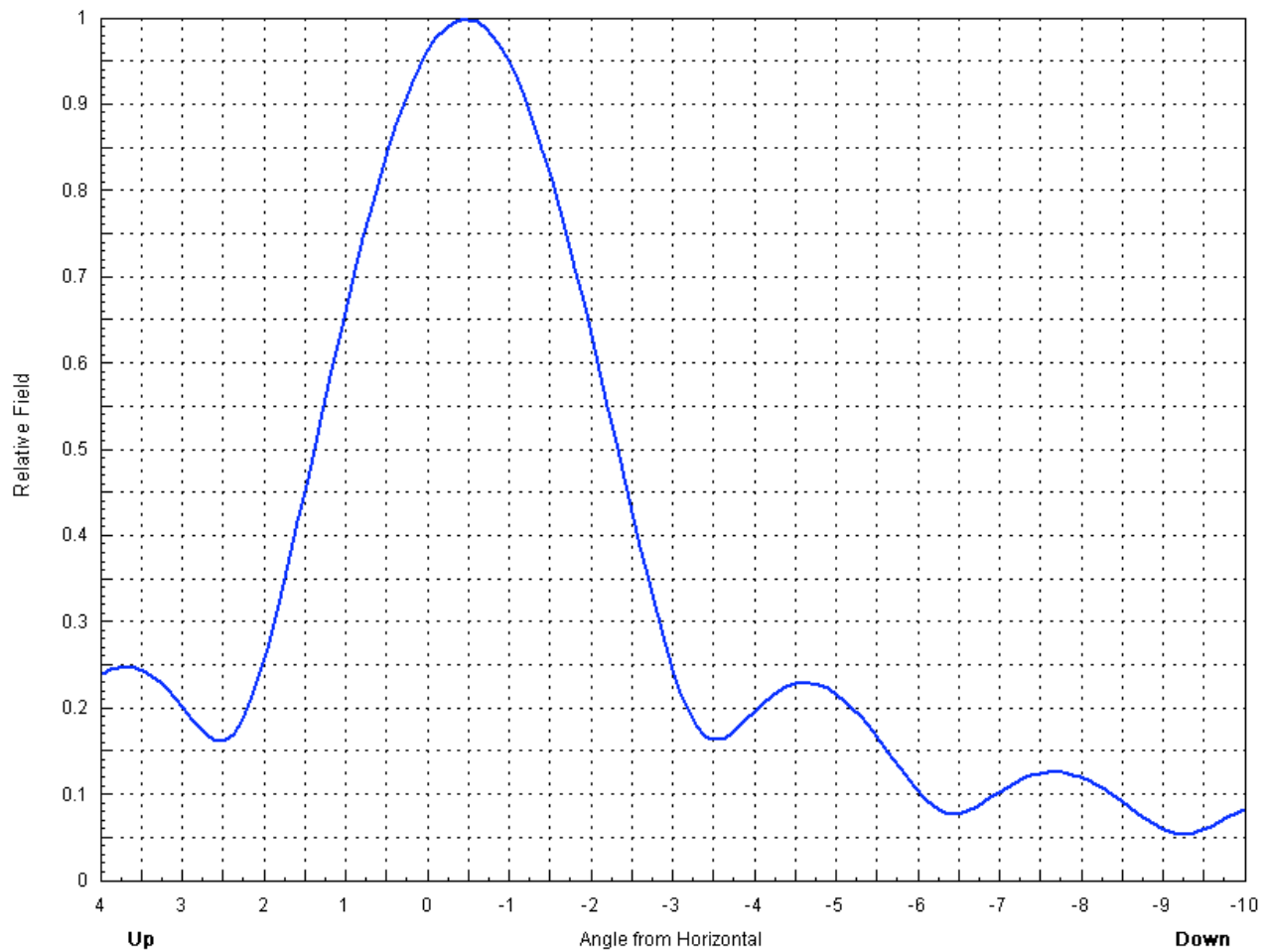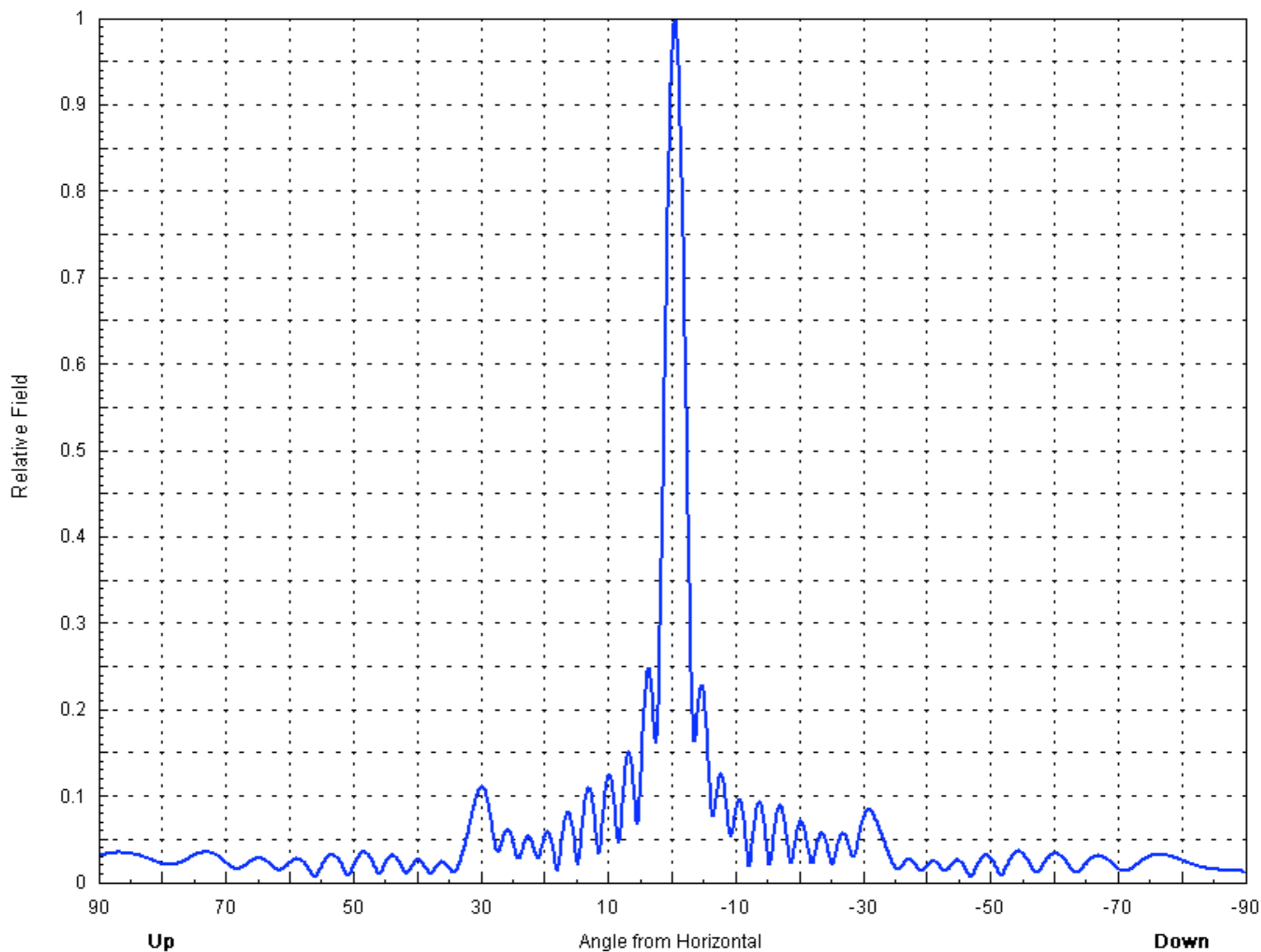
Dielectric Pattern No.: 10U192050_18
Model: TUA-04-10/40H-T-1-R

Calculated Elevation Pattern

Dielectric Pattern No.: 10U192050_18
Model: TUA-04-10/40H-T-1-R

Elevation Pattern for,10U192050_18
Gain:, 19.201, Beam Tilt:, 0.50, Drawing Number:, 10U192050_18, Calculated

El. Angle							
Value		-6.1,	0.114	-2.0,	0.262	2.1,	0.592
-10.0,	0.123	-6.0,	0.104	-1.9,	0.297	2.2,	0.550
-9.9,	0.124	-5.9,	0.095	-1.8,	0.334	2.3,	0.509
-9.8,	0.123	-5.8,	0.085	-1.7,	0.374	2.4,	0.467
-9.7,	0.121	-5.7,	0.076	-1.6,	0.415	2.5,	0.426
-9.6,	0.119	-5.6,	0.070	-1.5,	0.457	2.6,	0.386
-9.5,	0.115	-5.5,	0.067	-1.4,	0.500	2.7,	0.347
-9.4,	0.110	-5.4,	0.068	-1.3,	0.543	2.8,	0.310
-9.3,	0.104	-5.3,	0.074	-1.2,	0.585	2.9,	0.276
-9.2,	0.097	-5.2,	0.084	-1.1,	0.627	3.0,	0.245
-9.1,	0.089	-5.1,	0.097	-1.0,	0.668	3.1,	0.217
-9.0,	0.081	-5.0,	0.111	-0.9,	0.707	3.2,	0.194
-8.9,	0.072	-4.9,	0.126	-0.8,	0.745	3.3,	0.177
-8.8,	0.064	-4.8,	0.142	-0.7,	0.781	3.4,	0.166
-8.7,	0.056	-4.7,	0.157	-0.6,	0.815	3.5,	0.162
-8.6,	0.049	-4.6,	0.172	-0.5,	0.847	3.6,	0.163
-8.5,	0.045	-4.5,	0.186	-0.4,	0.876	3.7,	0.168
-8.4,	0.044	-4.4,	0.200	-0.3,	0.903	3.8,	0.176
-8.3,	0.046	-4.3,	0.212	-0.2,	0.926	3.9,	0.185
-8.2,	0.052	-4.2,	0.222	-0.1,	0.947	4.0,	0.195
-8.1,	0.061	-4.1,	0.231	0.0,	0.964	4.1,	0.204
-8.0,	0.070	-4.0,	0.238	0.1,	0.978	4.2,	0.212
-7.9,	0.080	-3.9,	0.243	0.2,	0.989	4.3,	0.219
-7.8,	0.090	-3.8,	0.246	0.3,	0.996	4.4,	0.224
-7.7,	0.100	-3.7,	0.247	0.4,	1.000	4.5,	0.227
-7.6,	0.110	-3.6,	0.246	0.5,	1.000	4.6,	0.228
-7.5,	0.119	-3.5,	0.242	0.6,	0.997	4.7,	0.228
-7.4,	0.127	-3.4,	0.237	0.7,	0.990	4.8,	0.225
-7.3,	0.133	-3.3,	0.229	0.8,	0.979	4.9,	0.221
-7.2,	0.139	-3.2,	0.220	0.9,	0.966	5.0,	0.215
-7.1,	0.144	-3.1,	0.209	1.0,	0.949	5.1,	0.208
-7.0,	0.147	-3.0,	0.198	1.1,	0.928	5.2,	0.199
-6.9,	0.149	-2.9,	0.186	1.2,	0.905	5.3,	0.189
-6.8,	0.149	-2.8,	0.174	1.3,	0.878	5.4,	0.178
-6.7,	0.148	-2.7,	0.165	1.4,	0.849	5.5,	0.166
-6.6,	0.146	-2.6,	0.159	1.5,	0.818	5.6,	0.154
-6.5,	0.142	-2.5,	0.160	1.6,	0.784	5.7,	0.141
-6.4,	0.137	-2.4,	0.167	1.7,	0.749	5.8,	0.128
-6.3,	0.130	-2.3,	0.182	1.8,	0.711	5.9,	0.115
-6.2,	0.123	-2.2,	0.203	1.9,	0.673	6.0,	0.104
		-2.1,	0.230	2.0,	0.633	6.1,	0.093

6.2,	0.085	10.6,	0.094	15.0,	0.035	19.4,	0.047
6.3,	0.079	10.7,	0.094	15.1,	0.028	19.5,	0.051
6.4,	0.076	10.8,	0.092	15.2,	0.022	19.6,	0.055
6.5,	0.076	10.9,	0.090	15.3,	0.019	19.7,	0.059
6.6,	0.078	11.0,	0.086	15.4,	0.019	19.8,	0.062
6.7,	0.082	11.1,	0.082	15.5,	0.022	19.9,	0.065
6.8,	0.088	11.2,	0.077	15.6,	0.028	20.0,	0.067
6.9,	0.094	11.3,	0.071	15.7,	0.034	20.1,	0.068
7.0,	0.101	11.4,	0.065	15.8,	0.041	20.2,	0.069
7.1,	0.107	11.5,	0.058	15.9,	0.048	20.3,	0.069
7.2,	0.112	11.6,	0.051	16.0,	0.054	20.4,	0.069
7.3,	0.116	11.7,	0.043	16.1,	0.060	20.5,	0.068
7.4,	0.120	11.8,	0.035	16.2,	0.066	20.6,	0.067
7.5,	0.122	11.9,	0.028	16.3,	0.071	20.7,	0.065
7.6,	0.124	12.0,	0.021	16.4,	0.075	20.8,	0.062
7.7,	0.124	12.1,	0.017	16.5,	0.079	20.9,	0.059
7.8,	0.123	12.2,	0.017	16.6,	0.082	21.0,	0.056
7.9,	0.121	12.3,	0.022	16.7,	0.085	21.1,	0.052
8.0,	0.118	12.4,	0.028	16.8,	0.086	21.2,	0.048
8.1,	0.114	12.5,	0.036	16.9,	0.087	21.3,	0.044
8.2,	0.110	12.6,	0.043	17.0,	0.088	21.4,	0.040
8.3,	0.104	12.7,	0.051	17.1,	0.087	21.5,	0.035
8.4,	0.098	12.8,	0.058	17.2,	0.086	21.6,	0.031
8.5,	0.091	12.9,	0.064	17.3,	0.084	21.7,	0.027
8.6,	0.084	13.0,	0.070	17.4,	0.081	21.8,	0.024
8.7,	0.077	13.1,	0.076	17.5,	0.078	21.9,	0.021
8.8,	0.070	13.2,	0.081	17.6,	0.075	22.0,	0.020
8.9,	0.064	13.3,	0.085	17.7,	0.070	22.1,	0.021
9.0,	0.058	13.4,	0.088	17.8,	0.066	22.2,	0.022
9.1,	0.054	13.5,	0.090	17.9,	0.060	22.3,	0.025
9.2,	0.052	13.6,	0.091	18.0,	0.055	22.4,	0.029
9.3,	0.052	13.7,	0.092	18.1,	0.049	22.5,	0.032
9.4,	0.054	13.8,	0.092	18.2,	0.043	22.6,	0.036
9.5,	0.057	13.9,	0.091	18.3,	0.038	22.7,	0.039
9.6,	0.061	14.0,	0.089	18.4,	0.032	22.8,	0.043
9.7,	0.066	14.1,	0.086	18.5,	0.027	22.9,	0.046
9.8,	0.071	14.2,	0.083	18.6,	0.023	23.0,	0.048
9.9,	0.076	14.3,	0.079	18.7,	0.021	23.1,	0.051
10.0,	0.081	14.4,	0.074	18.8,	0.022	23.2,	0.053
10.1,	0.085	14.5,	0.068	18.9,	0.024	23.3,	0.054
10.2,	0.088	14.6,	0.062	19.0,	0.028	23.4,	0.055
10.3,	0.091	14.7,	0.056	19.1,	0.032	23.5,	0.055
10.4,	0.093	14.8,	0.049	19.2,	0.037	23.6,	0.055
10.5,	0.094	14.9,	0.042	19.3,	0.042	23.7,	0.055

23.8,	0.054	28.2,	0.031	32.6,	0.062	37.0,	0.025
23.9,	0.053	28.3,	0.029	32.7,	0.060	37.1,	0.025
24.0,	0.051	28.4,	0.028	32.8,	0.057	37.2,	0.025
24.1,	0.049	28.5,	0.027	32.9,	0.055	37.3,	0.025
24.2,	0.047	28.6,	0.028	33.0,	0.053	37.4,	0.025
24.3,	0.044	28.7,	0.029	33.1,	0.051	37.5,	0.025
24.4,	0.041	28.8,	0.031	33.2,	0.049	37.6,	0.025
24.5,	0.038	28.9,	0.033	33.3,	0.048	37.7,	0.024
24.6,	0.034	29.0,	0.036	33.4,	0.046	37.8,	0.024
24.7,	0.031	29.1,	0.040	33.5,	0.044	37.9,	0.023
24.8,	0.028	29.2,	0.043	33.6,	0.042	38.0,	0.022
24.9,	0.025	29.3,	0.047	33.7,	0.040	38.1,	0.021
25.0,	0.022	29.4,	0.051	33.8,	0.038	38.2,	0.020
25.1,	0.021	29.5,	0.054	33.9,	0.036	38.3,	0.019
25.2,	0.020	29.6,	0.058	34.0,	0.034	38.4,	0.018
25.3,	0.020	29.7,	0.061	34.1,	0.032	38.5,	0.017
25.4,	0.022	29.8,	0.065	34.2,	0.030	38.6,	0.016
25.5,	0.024	29.9,	0.068	34.3,	0.029	38.7,	0.015
25.6,	0.027	30.0,	0.070	34.4,	0.027	38.8,	0.014
25.7,	0.030	30.1,	0.073	34.5,	0.025	38.9,	0.013
25.8,	0.033	30.2,	0.075	34.6,	0.023	39.0,	0.012
25.9,	0.036	30.3,	0.077	34.7,	0.022	39.1,	0.012
26.0,	0.040	30.4,	0.079	34.8,	0.020	39.2,	0.011
26.1,	0.043	30.5,	0.080	34.9,	0.018	39.3,	0.011
26.2,	0.045	30.6,	0.082	35.0,	0.017	39.4,	0.012
26.3,	0.048	30.7,	0.082	35.1,	0.016	39.5,	0.012
26.4,	0.050	30.8,	0.083	35.2,	0.015	39.6,	0.013
26.5,	0.052	30.9,	0.083	35.3,	0.014	39.7,	0.014
26.6,	0.053	31.0,	0.082	35.4,	0.013	39.8,	0.015
26.7,	0.054	31.1,	0.083	35.5,	0.013	39.9,	0.016
26.8,	0.055	31.2,	0.082	35.6,	0.013	40.0,	0.017
26.9,	0.055	31.3,	0.082	35.7,	0.013	40.1,	0.018
27.0,	0.055	31.4,	0.081	35.8,	0.014	40.2,	0.018
27.1,	0.055	31.5,	0.080	35.9,	0.015	40.3,	0.019
27.2,	0.054	31.6,	0.079	36.0,	0.016	40.4,	0.020
27.3,	0.053	31.7,	0.078	36.1,	0.017	40.5,	0.021
27.4,	0.051	31.8,	0.076	36.2,	0.018	40.6,	0.021
27.5,	0.049	31.9,	0.074	36.3,	0.019	40.7,	0.022
27.6,	0.047	32.0,	0.072	36.4,	0.020	40.8,	0.022
27.7,	0.045	32.1,	0.071	36.5,	0.021	40.9,	0.023
27.8,	0.042	32.2,	0.069	36.6,	0.022	41.0,	0.023
27.9,	0.039	32.3,	0.067	36.7,	0.023	41.1,	0.023
28.0,	0.037	32.4,	0.066	36.8,	0.024	41.2,	0.023
28.1,	0.034	32.5,	0.064	36.9,	0.024	41.3,	0.023

41.4,	0.022	45.8,	0.019	50.2,	0.026	54.6,	0.035
41.5,	0.022	45.9,	0.018	50.3,	0.025	54.7,	0.034
41.6,	0.021	46.0,	0.017	50.4,	0.024	54.8,	0.034
41.7,	0.021	46.1,	0.016	50.5,	0.023	54.9,	0.034
41.8,	0.020	46.2,	0.014	50.6,	0.022	55.0,	0.033
41.9,	0.019	46.3,	0.013	50.7,	0.020	55.1,	0.033
42.0,	0.018	46.4,	0.012	50.8,	0.019	55.2,	0.032
42.1,	0.017	46.5,	0.010	50.9,	0.018	55.3,	0.032
42.2,	0.016	46.6,	0.009	51.0,	0.016	55.4,	0.031
42.3,	0.016	46.7,	0.007	51.1,	0.015	55.5,	0.030
42.4,	0.015	46.8,	0.006	51.2,	0.013	55.6,	0.029
42.5,	0.014	46.9,	0.005	51.3,	0.011	55.7,	0.028
42.6,	0.013	47.0,	0.005	51.4,	0.010	55.8,	0.027
42.7,	0.012	47.1,	0.005	51.5,	0.009	55.9,	0.025
42.8,	0.012	47.2,	0.006	51.6,	0.008	56.0,	0.024
42.9,	0.012	47.3,	0.007	51.7,	0.007	56.1,	0.023
43.0,	0.011	47.4,	0.009	51.8,	0.007	56.2,	0.022
43.1,	0.012	47.5,	0.010	51.9,	0.007	56.3,	0.020
43.2,	0.012	47.6,	0.012	52.0,	0.008	56.4,	0.019
43.3,	0.013	47.7,	0.013	52.1,	0.009	56.5,	0.018
43.4,	0.013	47.8,	0.015	52.2,	0.010	56.6,	0.016
43.5,	0.014	47.9,	0.017	52.3,	0.012	56.7,	0.015
43.6,	0.015	48.0,	0.018	52.4,	0.013	56.8,	0.014
43.7,	0.016	48.1,	0.020	52.5,	0.015	56.9,	0.012
43.8,	0.017	48.2,	0.021	52.6,	0.017	57.0,	0.011
43.9,	0.018	48.3,	0.022	52.7,	0.018	57.1,	0.010
44.0,	0.019	48.4,	0.024	52.8,	0.020	57.2,	0.010
44.1,	0.020	48.5,	0.025	52.9,	0.021	57.3,	0.009
44.2,	0.021	48.6,	0.026	53.0,	0.023	57.4,	0.009
44.3,	0.022	48.7,	0.027	53.1,	0.024	57.5,	0.009
44.4,	0.022	48.8,	0.027	53.2,	0.026	57.6,	0.010
44.5,	0.023	48.9,	0.028	53.3,	0.027	57.7,	0.011
44.6,	0.023	49.0,	0.029	53.4,	0.028	57.8,	0.012
44.7,	0.024	49.1,	0.029	53.5,	0.029	57.9,	0.013
44.8,	0.024	49.2,	0.030	53.6,	0.030	58.0,	0.014
44.9,	0.024	49.3,	0.030	53.7,	0.031	58.1,	0.015
45.0,	0.024	49.4,	0.030	53.8,	0.032	58.2,	0.016
45.1,	0.024	49.5,	0.030	53.9,	0.033	58.3,	0.018
45.2,	0.024	49.6,	0.030	54.0,	0.033	58.4,	0.019
45.3,	0.023	49.7,	0.029	54.1,	0.034	58.5,	0.020
45.4,	0.023	49.8,	0.029	54.2,	0.034	58.6,	0.021
45.5,	0.022	49.9,	0.029	54.3,	0.034	58.7,	0.022
45.6,	0.021	50.0,	0.028	54.4,	0.035	58.8,	0.023
45.7,	0.020	50.1,	0.027	54.5,	0.035	58.9,	0.024

59.0,	0.025	63.4,	0.010	67.8,	0.028	72.2,	0.014
59.1,	0.026	63.5,	0.010	67.9,	0.028	72.3,	0.014
59.2,	0.027	63.6,	0.010	68.0,	0.028	72.4,	0.015
59.3,	0.028	63.7,	0.010	68.1,	0.027	72.5,	0.015
59.4,	0.029	63.8,	0.010	68.2,	0.027	72.6,	0.016
59.5,	0.029	63.9,	0.010	68.3,	0.026	72.7,	0.017
59.6,	0.030	64.0,	0.011	68.4,	0.026	72.8,	0.017
59.7,	0.030	64.1,	0.012	68.5,	0.025	72.9,	0.018
59.8,	0.031	64.2,	0.012	68.6,	0.025	73.0,	0.018
59.9,	0.031	64.3,	0.013	68.7,	0.024	73.1,	0.019
60.0,	0.031	64.4,	0.014	68.8,	0.024	73.2,	0.020
60.1,	0.032	64.5,	0.015	68.9,	0.023	73.3,	0.020
60.2,	0.032	64.6,	0.016	69.0,	0.023	73.4,	0.021
60.3,	0.032	64.7,	0.016	69.1,	0.022	73.5,	0.021
60.4,	0.032	64.8,	0.017	69.2,	0.021	73.6,	0.022
60.5,	0.032	64.9,	0.018	69.3,	0.021	73.7,	0.022
60.6,	0.031	65.0,	0.019	69.4,	0.020	73.8,	0.023
60.7,	0.031	65.1,	0.020	69.5,	0.019	73.9,	0.023
60.8,	0.031	65.2,	0.021	69.6,	0.019	74.0,	0.024
60.9,	0.031	65.3,	0.022	69.7,	0.018	74.1,	0.024
61.0,	0.030	65.4,	0.022	69.8,	0.017	74.2,	0.025
61.1,	0.030	65.5,	0.023	69.9,	0.017	74.3,	0.025
61.2,	0.029	65.6,	0.024	70.0,	0.016	74.4,	0.026
61.3,	0.028	65.7,	0.024	70.1,	0.015	74.5,	0.026
61.4,	0.028	65.8,	0.025	70.2,	0.015	74.6,	0.026
61.5,	0.027	65.9,	0.026	70.3,	0.014	74.7,	0.027
61.6,	0.026	66.0,	0.026	70.4,	0.014	74.8,	0.027
61.7,	0.025	66.1,	0.027	70.5,	0.013	74.9,	0.027
61.8,	0.025	66.2,	0.027	70.6,	0.013	75.0,	0.028
61.9,	0.024	66.3,	0.027	70.7,	0.012	75.1,	0.028
62.0,	0.023	66.4,	0.028	70.8,	0.012	75.2,	0.028
62.1,	0.022	66.5,	0.028	70.9,	0.011	75.3,	0.029
62.2,	0.021	66.6,	0.028	71.0,	0.011	75.4,	0.029
62.3,	0.020	66.7,	0.029	71.1,	0.011	75.5,	0.029
62.4,	0.019	66.8,	0.029	71.2,	0.011	75.6,	0.029
62.5,	0.018	66.9,	0.029	71.3,	0.011	75.7,	0.029
62.6,	0.017	67.0,	0.029	71.4,	0.011	75.8,	0.030
62.7,	0.016	67.1,	0.029	71.5,	0.011	75.9,	0.030
62.8,	0.015	67.2,	0.029	71.6,	0.011	76.0,	0.030
62.9,	0.014	67.3,	0.029	71.7,	0.012	76.1,	0.030
63.0,	0.013	67.4,	0.029	71.8,	0.012	76.2,	0.030
63.1,	0.012	67.5,	0.029	71.9,	0.012	76.3,	0.030
63.2,	0.011	67.6,	0.029	72.0,	0.013	76.4,	0.030
63.3,	0.011	67.7,	0.028	72.1,	0.013	76.5,	0.030

76.6,	0.030	81.0,	0.022	85.4,	0.013	89.8,	0.011
76.7,	0.030	81.1,	0.022	85.5,	0.013	89.9,	0.011
76.8,	0.030	81.2,	0.021	85.6,	0.013	90.0,	0.011
76.9,	0.030	81.3,	0.021	85.7,	0.013		
77.0,	0.030	81.4,	0.021	85.8,	0.013		
77.1,	0.030	81.5,	0.020	85.9,	0.013		
77.2,	0.030	81.6,	0.020	86.0,	0.013		
77.3,	0.030	81.7,	0.020	86.1,	0.013		
77.4,	0.030	81.8,	0.020	86.2,	0.013		
77.5,	0.030	81.9,	0.019	86.3,	0.013		
77.6,	0.030	82.0,	0.019	86.4,	0.013		
77.7,	0.030	82.1,	0.019	86.5,	0.012		
77.8,	0.030	82.2,	0.019	86.6,	0.012		
77.9,	0.030	82.3,	0.018	86.7,	0.012		
78.0,	0.029	82.4,	0.018	86.8,	0.012		
78.1,	0.029	82.5,	0.018	86.9,	0.012		
78.2,	0.029	82.6,	0.018	87.0,	0.012		
78.3,	0.029	82.7,	0.017	87.1,	0.012		
78.4,	0.029	82.8,	0.017	87.2,	0.012		
78.5,	0.028	82.9,	0.017	87.3,	0.012		
78.6,	0.028	83.0,	0.017	87.4,	0.012		
78.7,	0.028	83.1,	0.017	87.5,	0.012		
78.8,	0.028	83.2,	0.016	87.6,	0.012		
78.9,	0.028	83.3,	0.016	87.7,	0.012		
79.0,	0.027	83.4,	0.016	87.8,	0.012		
79.1,	0.027	83.5,	0.016	87.9,	0.012		
79.2,	0.027	83.6,	0.016	88.0,	0.012		
79.3,	0.027	83.7,	0.015	88.1,	0.012		
79.4,	0.026	83.8,	0.015	88.2,	0.012		
79.5,	0.026	83.9,	0.015	88.3,	0.012		
79.6,	0.026	84.0,	0.015	88.4,	0.012		
79.7,	0.026	84.1,	0.015	88.5,	0.012		
79.8,	0.025	84.2,	0.015	88.6,	0.011		
79.9,	0.025	84.3,	0.014	88.7,	0.011		
80.0,	0.025	84.4,	0.014	88.8,	0.011		
80.1,	0.024	84.5,	0.014	88.9,	0.011		
80.2,	0.024	84.6,	0.014	89.0,	0.011		
80.3,	0.024	84.7,	0.014	89.1,	0.011		
80.4,	0.024	84.8,	0.014	89.2,	0.011		
80.5,	0.023	84.9,	0.014	89.3,	0.011		
80.6,	0.023	85.0,	0.014	89.4,	0.011		
80.7,	0.023	85.1,	0.014	89.5,	0.011		
80.8,	0.022	85.2,	0.013	89.6,	0.011		
80.9,	0.022	85.3,	0.013	89.7,	0.011		