

**Remington 700**  
**308 Winchester FEDERAL 168 gr SMK**  
**Vortex 5-25X PST Viper FFP**

**LITZ**

**Trajectory (Simplified)**

**Input Data**

Manufacturer:	Sierra	Description:	MatchKing™ (Litz)
Caliber:	0.308 in	Weight:	168.0 gr
Ballistic Coefficient:	0.218 G7 (ICAO)		
Muzzle Velocity:	2585.4 ft/s		
Sight Height:	2.00 in	Line Of Sight Angle:	0.0 deg
Cant Angle:	0.0 deg		
Wind Speed:	10.0 mph	Target Speed:	10.0 mph
Temperature:	40.0 °F	Pressure:	30.22 in Hg
Humidity:	82 %	Altitude:	940.0 ft
Std. Atmosphere at Altitude:	No	Pressure is Corrected:	Yes
Zero at Max. Point Blank Range:	No	Target Relative Drops:	Yes
Column 1 Units:	1.00 in	Column 2 Units:	1.00 mil
Round Output to Whole Numbers:	No		

**Output Data**

Elevation:	4.529 MOA	Windage:	0.000 MOA
Atmospheric Density:	0.07728 lb/ft³	Speed of Sound:	1095.8 ft/s
Maximum PBR:	315 yd	Maximum PBR Zero:	269 yd
Range of Maximum Height:	151 yd	Energy at Maximum PBR:	1457.1 ft•lbs
Sectional Density:	0.253 lb/in²		

**Calculated Table**

Range (yd)	Drop (in)	Drop (mil)	Windage (in)	Windage (mil)	Velocity (ft/s)	Mach (none)	Energy (ft•lbs)	Time (s)	Lead (in)	Lead (mil)
100	-0.0	-0.0	0.9	0.2	2381.9	2.174	2116.1	0.121	21.3	5.9
105	-0.1	-0.0	0.9	0.2	2372.0	2.165	2098.5	0.127	22.4	5.9
110	-0.1	-0.0	1.0	0.3	2362.1	2.156	2081.0	0.134	23.5	5.9
115	-0.2	-0.0	1.1	0.3	2352.2	2.147	2063.6	0.140	24.6	5.9
120	-0.3	-0.1	1.2	0.3	2342.3	2.138	2046.3	0.146	25.7	6.0
125	-0.4	-0.1	1.3	0.3	2332.5	2.129	2029.2	0.153	26.9	6.0
130	-0.6	-0.1	1.5	0.3	2322.7	2.120	2012.1	0.159	28.0	6.0
135	-0.7	-0.1	1.6	0.3	2312.9	2.111	1995.2	0.166	29.2	6.0
140	-0.9	-0.2	1.7	0.3	2303.1	2.102	1978.4	0.172	30.3	6.0
145	-1.0	-0.2	1.8	0.4	2293.4	2.093	1961.7	0.179	31.4	6.0
150	-1.2	-0.2	2.0	0.4	2283.7	2.084	1945.1	0.185	32.6	6.0
155	-1.5	-0.3	2.1	0.4	2274.0	2.075	1928.6	0.192	33.8	6.0
160	-1.7	-0.3	2.2	0.4	2264.3	2.066	1912.2	0.198	34.9	6.1
165	-1.9	-0.3	2.4	0.4	2254.6	2.057	1896.0	0.205	36.1	6.1
170	-2.2	-0.4	2.5	0.4	2245.0	2.049	1879.8	0.212	37.3	6.1
175	-2.5	-0.4	2.7	0.4	2235.4	2.040	1863.8	0.218	38.4	6.1
180	-2.8	-0.4	2.9	0.4	2225.9	2.031	1847.9	0.225	39.6	6.1
185	-3.1	-0.5	3.0	0.5	2216.3	2.023	1832.0	0.232	40.8	6.1

190	-3.4	-0.5	3.2	0.5	2206.8	2.014	1816.3	0.239	42.0	6.1
195	-3.8	-0.5	3.4	0.5	2197.3	2.005	1800.7	0.245	43.2	6.2
200	-4.1	-0.6	3.6	0.5	2187.8	1.997	1785.2	0.252	44.4	6.2
205	-4.5	-0.6	3.8	0.5	2178.4	1.988	1769.8	0.259	45.6	6.2
210	-4.9	-0.7	3.9	0.5	2168.9	1.979	1754.6	0.266	46.8	6.2
215	-5.4	-0.7	4.1	0.5	2159.5	1.971	1739.4	0.273	48.1	6.2
220	-5.8	-0.7	4.3	0.5	2150.2	1.962	1724.3	0.280	49.3	6.2
225	-6.3	-0.8	4.6	0.6	2140.8	1.954	1709.4	0.287	50.5	6.2
230	-6.7	-0.8	4.8	0.6	2131.5	1.945	1694.5	0.294	51.7	6.2
235	-7.2	-0.9	5.0	0.6	2122.2	1.937	1679.7	0.301	53.0	6.3
240	-7.8	-0.9	5.2	0.6	2112.9	1.928	1665.1	0.308	54.2	6.3
245	-8.3	-0.9	5.4	0.6	2103.7	1.920	1650.5	0.315	55.5	6.3
250	-8.9	-1.0	5.7	0.6	2094.4	1.911	1636.1	0.322	56.7	6.3
255	-9.4	-1.0	5.9	0.6	2085.2	1.903	1621.7	0.330	58.0	6.3
260	-10.0	-1.1	6.2	0.7	2076.0	1.895	1607.5	0.337	59.3	6.3
265	-10.7	-1.1	6.4	0.7	2066.9	1.886	1593.3	0.344	60.5	6.3
270	-11.3	-1.2	6.7	0.7	2057.7	1.878	1579.3	0.351	61.8	6.4
275	-12.0	-1.2	7.0	0.7	2048.6	1.869	1565.3	0.359	63.1	6.4
280	-12.6	-1.3	7.2	0.7	2039.5	1.861	1551.5	0.366	64.4	6.4
285	-13.3	-1.3	7.5	0.7	2030.5	1.853	1537.7	0.373	65.7	6.4
290	-14.1	-1.3	7.8	0.7	2021.4	1.845	1524.0	0.381	67.0	6.4
295	-14.8	-1.4	8.1	0.8	2012.4	1.836	1510.5	0.388	68.3	6.4
300	-15.6	-1.4	8.4	0.8	2003.4	1.828	1497.0	0.396	69.6	6.4
305	-16.4	-1.5	8.7	0.8	1994.4	1.820	1483.6	0.403	71.0	6.5
310	-17.2	-1.5	9.0	0.8	1985.5	1.812	1470.3	0.411	72.3	6.5
315	-18.0	-1.6	9.3	0.8	1976.5	1.804	1457.1	0.418	73.6	6.5
320	-18.8	-1.6	9.6	0.8	1967.6	1.796	1444.0	0.426	74.9	6.5
325	-19.7	-1.7	9.9	0.8	1958.7	1.787	1430.9	0.433	76.3	6.5
330	-20.6	-1.7	10.3	0.9	1949.9	1.779	1418.0	0.441	77.6	6.5
335	-21.5	-1.8	10.6	0.9	1941.0	1.771	1405.2	0.449	79.0	6.6
340	-22.5	-1.8	10.9	0.9	1932.2	1.763	1392.4	0.457	80.4	6.6
345	-23.5	-1.9	11.3	0.9	1923.4	1.755	1379.7	0.464	81.7	6.6
350	-24.4	-1.9	11.6	0.9	1914.6	1.747	1367.2	0.472	83.1	6.6
355	-25.5	-2.0	12.0	0.9	1905.8	1.739	1354.7	0.480	84.5	6.6
360	-26.5	-2.0	12.4	1.0	1897.0	1.731	1342.2	0.488	85.9	6.6
365	-27.6	-2.1	12.7	1.0	1888.3	1.723	1329.9	0.496	87.3	6.6
370	-28.6	-2.2	13.1	1.0	1879.6	1.715	1317.7	0.504	88.7	6.7
375	-29.8	-2.2	13.5	1.0	1870.9	1.707	1305.5	0.512	90.1	6.7
380	-30.9	-2.3	13.9	1.0	1862.2	1.699	1293.4	0.520	91.5	6.7
385	-32.0	-2.3	14.3	1.0	1853.6	1.691	1281.4	0.528	92.9	6.7
390	-33.2	-2.4	14.7	1.0	1844.9	1.684	1269.5	0.536	94.3	6.7
395	-34.4	-2.4	15.1	1.1	1836.3	1.676	1257.7	0.544	95.8	6.7
400	-35.7	-2.5	15.5	1.1	1827.7	1.668	1245.9	0.552	97.2	6.8
405	-36.9	-2.5	16.0	1.1	1819.1	1.660	1234.2	0.561	98.7	6.8
410	-38.2	-2.6	16.4	1.1	1810.6	1.652	1222.7	0.569	100.1	6.8
415	-39.6	-2.6	16.8	1.1	1802.0	1.644	1211.1	0.577	101.6	6.8
420	-40.9	-2.7	17.3	1.1	1793.5	1.637	1199.7	0.586	103.1	6.8
425	-42.3	-2.8	17.7	1.2	1785.0	1.629	1188.4	0.594	104.5	6.8
430	-43.7	-2.8	18.2	1.2	1776.5	1.621	1177.1	0.602	106.0	6.8

435	-45.1	-2.9	18.7	1.2	1768.0	1.613	1165.9	0.611	107.5	6.9
440	-46.5	-2.9	19.1	1.2	1759.6	1.606	1154.8	0.619	109.0	6.9
445	-48.0	-3.0	19.6	1.2	1751.2	1.598	1143.7	0.628	110.5	6.9
450	-49.5	-3.1	20.1	1.2	1742.7	1.590	1132.8	0.636	112.0	6.9
455	-51.1	-3.1	20.6	1.3	1734.3	1.583	1121.9	0.645	113.5	6.9
460	-52.6	-3.2	21.1	1.3	1726.0	1.575	1111.1	0.654	115.1	6.9
465	-54.2	-3.2	21.6	1.3	1717.6	1.567	1100.3	0.662	116.6	7.0
470	-55.9	-3.3	22.1	1.3	1709.3	1.560	1089.7	0.671	118.1	7.0
475	-57.5	-3.4	22.7	1.3	1700.9	1.552	1079.1	0.680	119.7	7.0
480	-59.2	-3.4	23.2	1.3	1692.6	1.545	1068.5	0.689	121.2	7.0
485	-60.9	-3.5	23.8	1.4	1684.3	1.537	1058.1	0.698	122.8	7.0
490	-62.7	-3.6	24.3	1.4	1676.1	1.529	1047.7	0.707	124.4	7.1
495	-64.4	-3.6	24.9	1.4	1667.8	1.522	1037.4	0.716	126.0	7.1
500	-66.2	-3.7	25.4	1.4	1659.6	1.514	1027.2	0.725	127.5	7.1
505	-68.1	-3.7	26.0	1.4	1651.3	1.507	1017.1	0.734	129.1	7.1
510	-69.9	-3.8	26.6	1.4	1643.1	1.499	1007.0	0.743	130.7	7.1
515	-71.9	-3.9	27.2	1.5	1634.9	1.492	997.0	0.752	132.3	7.1
520	-73.8	-3.9	27.8	1.5	1626.8	1.485	987.0	0.761	134.0	7.2
525	-75.8	-4.0	28.4	1.5	1618.6	1.477	977.1	0.770	135.6	7.2
530	-77.8	-4.1	29.0	1.5	1610.5	1.470	967.3	0.780	137.2	7.2
535	-79.8	-4.1	29.6	1.5	1602.3	1.462	957.6	0.789	138.9	7.2
540	-81.9	-4.2	30.2	1.6	1594.2	1.455	948.0	0.798	140.5	7.2
545	-84.0	-4.3	30.9	1.6	1586.2	1.447	938.4	0.808	142.2	7.2
550	-86.1	-4.3	31.5	1.6	1578.1	1.440	928.8	0.817	143.9	7.3
555	-88.3	-4.4	32.2	1.6	1570.0	1.433	919.4	0.827	145.5	7.3
560	-90.5	-4.5	32.9	1.6	1562.0	1.425	910.0	0.836	147.2	7.3
565	-92.7	-4.6	33.5	1.6	1554.0	1.418	900.7	0.846	148.9	7.3
570	-95.0	-4.6	34.2	1.7	1546.0	1.411	891.4	0.856	150.6	7.3
575	-97.3	-4.7	34.9	1.7	1538.0	1.404	882.3	0.865	152.3	7.4
580	-99.7	-4.8	35.6	1.7	1530.0	1.396	873.1	0.875	154.0	7.4
585	-102.1	-4.8	36.3	1.7	1522.1	1.389	864.1	0.885	155.8	7.4
590	-104.5	-4.9	37.0	1.7	1514.2	1.382	855.1	0.895	157.5	7.4
595	-107.0	-5.0	37.8	1.8	1506.3	1.375	846.2	0.905	159.3	7.4
600	-109.5	-5.1	38.5	1.8	1498.4	1.367	837.4	0.915	161.0	7.5
605	-112.0	-5.1	39.2	1.8	1490.5	1.360	828.6	0.925	162.8	7.5
610	-114.6	-5.2	40.0	1.8	1482.6	1.353	819.9	0.935	164.6	7.5
615	-117.2	-5.3	40.8	1.8	1474.8	1.346	811.2	0.945	166.4	7.5
620	-119.9	-5.4	41.5	1.9	1467.0	1.339	802.6	0.955	168.1	7.5
625	-122.6	-5.4	42.3	1.9	1459.2	1.332	794.1	0.966	170.0	7.6
630	-125.3	-5.5	43.1	1.9	1451.4	1.324	785.7	0.976	171.8	7.6
635	-128.1	-5.6	43.9	1.9	1443.6	1.317	777.3	0.986	173.6	7.6
640	-130.9	-5.7	44.7	1.9	1435.9	1.310	769.0	0.997	175.4	7.6
645	-133.8	-5.8	45.5	2.0	1428.2	1.303	760.7	1.007	177.3	7.6
650	-136.7	-5.8	46.4	2.0	1420.5	1.296	752.5	1.018	179.1	7.7
655	-139.6	-5.9	47.2	2.0	1412.8	1.289	744.4	1.028	181.0	7.7
660	-142.6	-6.0	48.1	2.0	1405.1	1.282	736.4	1.039	182.9	7.7
665	-145.7	-6.1	48.9	2.0	1397.5	1.275	728.4	1.050	184.7	7.7
670	-148.8	-6.2	49.8	2.1	1389.8	1.268	720.4	1.060	186.6	7.7
675	-151.9	-6.3	50.7	2.1	1382.2	1.261	712.6	1.071	188.5	7.8

680	-155.1	-6.3	51.6	2.1	1374.6	1.254	704.8	1.082	190.5	7.8
685	-158.3	-6.4	52.5	2.1	1367.1	1.248	697.0	1.093	192.4	7.8
690	-161.6	-6.5	53.4	2.2	1359.5	1.241	689.4	1.104	194.3	7.8
695	-164.9	-6.6	54.3	2.2	1352.0	1.234	681.8	1.115	196.3	7.8
700	-168.2	-6.7	55.3	2.2	1344.5	1.227	674.2	1.126	198.2	7.9
705	-171.7	-6.8	56.2	2.2	1337.0	1.220	666.7	1.137	200.2	7.9
710	-175.1	-6.9	57.2	2.2	1329.6	1.213	659.3	1.149	202.2	7.9
715	-178.6	-6.9	58.1	2.3	1322.1	1.207	652.0	1.160	204.2	7.9
720	-182.2	-7.0	59.1	2.3	1314.7	1.200	644.7	1.171	206.2	8.0
725	-185.8	-7.1	60.1	2.3	1307.3	1.193	637.5	1.183	208.2	8.0
730	-189.4	-7.2	61.1	2.3	1300.0	1.186	630.3	1.194	210.2	8.0
735	-193.2	-7.3	62.1	2.3	1292.6	1.180	623.2	1.206	212.2	8.0
740	-196.9	-7.4	63.2	2.4	1285.3	1.173	616.2	1.218	214.3	8.0
745	-200.7	-7.5	64.2	2.4	1278.0	1.166	609.2	1.229	216.4	8.1
750	-204.6	-7.6	65.3	2.4	1270.8	1.160	602.3	1.241	218.4	8.1
755	-208.5	-7.7	66.3	2.4	1263.5	1.153	595.4	1.253	220.5	8.1
760	-212.5	-7.8	67.4	2.5	1256.3	1.146	588.6	1.265	222.6	8.1
765	-216.5	-7.9	68.5	2.5	1249.1	1.140	581.9	1.277	224.7	8.2
770	-220.6	-8.0	69.6	2.5	1241.9	1.133	575.3	1.289	226.8	8.2
775	-224.8	-8.1	70.7	2.5	1234.8	1.127	568.7	1.301	229.0	8.2
780	-229.0	-8.2	71.8	2.6	1227.7	1.120	562.1	1.313	231.1	8.2
785	-233.2	-8.3	73.0	2.6	1220.6	1.114	555.7	1.325	233.3	8.3
790	-237.5	-8.4	74.1	2.6	1213.5	1.107	549.3	1.338	235.4	8.3
795	-241.9	-8.5	75.3	2.6	1206.5	1.101	542.9	1.350	237.6	8.3
800	-246.4	-8.6	76.4	2.7	1199.5	1.095	536.6	1.363	239.8	8.3
805	-250.8	-8.7	77.6	2.7	1192.5	1.088	530.4	1.375	242.0	8.4
810	-255.4	-8.8	78.8	2.7	1185.6	1.082	524.3	1.388	244.2	8.4
815	-260.0	-8.9	80.0	2.7	1178.7	1.076	518.2	1.400	246.5	8.4
820	-264.7	-9.0	81.3	2.8	1171.8	1.069	512.2	1.413	248.7	8.4
825	-269.4	-9.1	82.5	2.8	1165.0	1.063	506.2	1.426	251.0	8.5
830	-274.3	-9.2	83.8	2.8	1158.2	1.057	500.3	1.439	253.3	8.5
835	-279.1	-9.3	85.0	2.8	1151.5	1.051	494.5	1.452	255.6	8.5
840	-284.1	-9.4	86.3	2.9	1144.7	1.045	488.7	1.465	257.9	8.5
845	-289.1	-9.5	87.6	2.9	1138.1	1.039	483.1	1.478	260.2	8.6
850	-294.1	-9.6	88.9	2.9	1131.5	1.033	477.5	1.491	262.5	8.6
855	-299.3	-9.7	90.2	2.9	1124.9	1.027	471.9	1.505	264.8	8.6
860	-304.5	-9.8	91.6	3.0	1118.4	1.021	466.5	1.518	267.2	8.6
865	-309.8	-9.9	92.9	3.0	1112.0	1.015	461.2	1.532	269.6	8.7
870	-315.1	-10.1	94.3	3.0	1105.7	1.009	456.0	1.545	271.9	8.7
875	-320.5	-10.2	95.6	3.0	1099.6	1.003	451.0	1.559	274.3	8.7
880	-326.0	-10.3	97.0	3.1	1093.6	0.998	446.0	1.572	276.7	8.7
885	-331.6	-10.4	98.4	3.1	1087.8	0.993	441.3	1.586	279.2	8.8
890	-337.2	-10.5	99.8	3.1	1082.3	0.988	436.9	1.600	281.6	8.8
895	-343.0	-10.6	101.3	3.1	1077.1	0.983	432.7	1.614	284.0	8.8
900	-348.7	-10.8	102.7	3.2	1072.2	0.978	428.8	1.628	286.5	8.8
905	-354.6	-10.9	104.2	3.2	1067.5	0.974	425.0	1.642	289.0	8.9
910	-360.5	-11.0	105.6	3.2	1063.1	0.970	421.5	1.656	291.5	8.9
915	-366.6	-11.1	107.1	3.3	1058.9	0.966	418.2	1.670	293.9	8.9
920	-372.7	-11.3	108.6	3.3	1054.9	0.963	415.0	1.684	296.4	9.0

925	-378.8	-11.4	110.0	3.3	1051.1	0.959	412.1	1.699	299.0	9.0
930	-385.1	-11.5	111.5	3.3	1047.6	0.956	409.3	1.713	301.5	9.0
935	-391.4	-11.6	113.0	3.4	1044.2	0.953	406.7	1.727	304.0	9.0
940	-397.8	-11.8	114.6	3.4	1041.1	0.950	404.2	1.742	306.5	9.1
945	-404.3	-11.9	116.1	3.4	1038.0	0.947	401.9	1.756	309.1	9.1
950	-410.9	-12.0	117.6	3.4	1035.0	0.945	399.6	1.771	311.6	9.1
955	-417.5	-12.1	119.1	3.5	1032.1	0.942	397.3	1.785	314.2	9.1
960	-424.3	-12.3	120.7	3.5	1029.3	0.939	395.2	1.800	316.7	9.2
965	-431.1	-12.4	122.2	3.5	1026.5	0.937	393.0	1.814	319.3	9.2
970	-438.0	-12.5	123.8	3.5	1023.9	0.934	391.0	1.829	321.9	9.2
975	-445.0	-12.7	125.4	3.6	1021.2	0.932	389.0	1.844	324.5	9.2
980	-452.0	-12.8	126.9	3.6	1018.6	0.930	387.0	1.858	327.1	9.3
985	-459.2	-12.9	128.5	3.6	1016.1	0.927	385.1	1.873	329.7	9.3
990	-466.4	-13.1	130.1	3.6	1013.7	0.925	383.2	1.888	332.3	9.3
995	-473.7	-13.2	131.7	3.7	1011.3	0.923	381.4	1.903	334.9	9.3
1000	-481.1	-13.4	133.3	3.7	1008.9	0.921	379.6	1.918	337.5	9.4
1005	-488.6	-13.5	134.9	3.7	1006.6	0.919	377.9	1.932	340.1	9.4
1010	-496.2	-13.6	136.5	3.8	1004.2	0.916	376.1	1.947	342.7	9.4
1015	-503.9	-13.8	138.1	3.8	1002.0	0.914	374.4	1.962	345.4	9.5
1020	-511.6	-13.9	139.7	3.8	999.7	0.912	372.7	1.977	348.0	9.5
1025	-519.4	-14.1	141.3	3.8	997.5	0.910	371.1	1.992	350.7	9.5
1030	-527.4	-14.2	143.0	3.9	995.3	0.908	369.4	2.007	353.3	9.5
1035	-535.4	-14.4	144.6	3.9	993.1	0.906	367.8	2.023	356.0	9.6
1040	-543.5	-14.5	146.2	3.9	990.9	0.904	366.2	2.038	358.6	9.6
1045	-551.6	-14.7	147.9	3.9	988.8	0.902	364.7	2.053	361.3	9.6
1050	-559.9	-14.8	149.5	4.0	986.7	0.900	363.1	2.068	364.0	9.6
1055	-568.3	-15.0	151.2	4.0	984.7	0.899	361.6	2.083	366.7	9.7
1060	-576.7	-15.1	152.9	4.0	982.6	0.897	360.1	2.099	369.3	9.7
1065	-585.3	-15.3	154.5	4.0	980.6	0.895	358.6	2.114	372.0	9.7
1070	-593.9	-15.4	156.2	4.1	978.5	0.893	357.1	2.129	374.7	9.7
1075	-602.7	-15.6	157.9	4.1	976.5	0.891	355.7	2.145	377.4	9.8
1080	-611.5	-15.7	159.6	4.1	974.5	0.889	354.2	2.160	380.1	9.8
1085	-620.4	-15.9	161.3	4.1	972.6	0.888	352.8	2.175	382.9	9.8
1090	-629.4	-16.0	163.0	4.2	970.6	0.886	351.4	2.191	385.6	9.8
1095	-638.5	-16.2	164.7	4.2	968.6	0.884	349.9	2.206	388.3	9.9
1100	-647.7	-16.4	166.4	4.2	966.7	0.882	348.5	2.222	391.0	9.9
1105	-656.9	-16.5	168.1	4.2	964.8	0.880	347.2	2.237	393.8	9.9
1110	-666.3	-16.7	169.8	4.3	962.9	0.879	345.8	2.253	396.5	9.9
1115	-675.8	-16.8	171.6	4.3	961.0	0.877	344.4	2.269	399.3	9.9
1120	-685.3	-17.0	173.3	4.3	959.1	0.875	343.1	2.284	402.0	10.0
1125	-695.0	-17.2	175.0	4.3	957.2	0.874	341.7	2.300	404.8	10.0
1130	-704.8	-17.3	176.8	4.3	955.3	0.872	340.4	2.316	407.6	10.0
1135	-714.6	-17.5	178.5	4.4	953.5	0.870	339.1	2.331	410.3	10.0
1140	-724.5	-17.7	180.3	4.4	951.6	0.868	337.8	2.347	413.1	10.1
1145	-734.6	-17.8	182.0	4.4	949.8	0.867	336.5	2.363	415.9	10.1
1150	-744.7	-18.0	183.8	4.4	948.0	0.865	335.2	2.379	418.7	10.1
1155	-755.0	-18.2	185.6	4.5	946.2	0.863	333.9	2.395	421.5	10.1
1160	-765.3	-18.3	187.4	4.5	944.4	0.862	332.6	2.411	424.3	10.2
1165	-775.7	-18.5	189.1	4.5	942.6	0.860	331.4	2.426	427.1	10.2

1170	-786.2	-18.7	190.9	4.5	940.8	0.859	330.1	2.442	429.9	10.2
1175	-796.9	-18.8	192.7	4.6	939.0	0.857	328.9	2.458	432.7	10.2
1180	-807.6	-19.0	194.5	4.6	937.2	0.855	327.6	2.474	435.5	10.3
1185	-818.4	-19.2	196.3	4.6	935.5	0.854	326.4	2.490	438.3	10.3
1190	-829.3	-19.4	198.1	4.6	933.7	0.852	325.2	2.507	441.2	10.3
1195	-840.4	-19.5	199.9	4.6	932.0	0.850	324.0	2.523	444.0	10.3
1200	-851.5	-19.7	201.8	4.7	930.2	0.849	322.7	2.539	446.8	10.3
1205	-862.7	-19.9	203.6	4.7	928.5	0.847	321.5	2.555	449.7	10.4
1210	-874.0	-20.1	205.4	4.7	926.8	0.846	320.4	2.571	452.5	10.4
1215	-885.5	-20.2	207.3	4.7	925.1	0.844	319.2	2.587	455.4	10.4
1220	-897.0	-20.4	209.1	4.8	923.4	0.843	318.0	2.604	458.2	10.4
1225	-908.6	-20.6	210.9	4.8	921.7	0.841	316.8	2.620	461.1	10.5
1230	-920.3	-20.8	212.8	4.8	920.0	0.840	315.7	2.636	464.0	10.5
1235	-932.2	-21.0	214.7	4.8	918.3	0.838	314.5	2.653	466.9	10.5
1240	-944.1	-21.1	216.5	4.9	916.6	0.836	313.4	2.669	469.8	10.5
1245	-956.2	-21.3	218.4	4.9	914.9	0.835	312.2	2.685	472.6	10.5
1250	-968.3	-21.5	220.3	4.9	913.3	0.833	311.1	2.702	475.5	10.6
1255	-980.6	-21.7	222.1	4.9	911.6	0.832	310.0	2.718	478.4	10.6
1260	-992.9	-21.9	224.0	4.9	910.0	0.830	308.8	2.735	481.3	10.6
1265	-1005.4	-22.1	225.9	5.0	908.3	0.829	307.7	2.751	484.3	10.6
1270	-1018.0	-22.3	227.8	5.0	906.7	0.827	306.6	2.768	487.2	10.7
1275	-1030.6	-22.5	229.7	5.0	905.0	0.826	305.5	2.785	490.1	10.7
1280	-1043.4	-22.6	231.6	5.0	903.4	0.824	304.4	2.801	493.0	10.7
1285	-1056.3	-22.8	233.5	5.0	901.8	0.823	303.3	2.818	496.0	10.7
1290	-1069.3	-23.0	235.4	5.1	900.2	0.821	302.2	2.835	498.9	10.7
1295	-1082.4	-23.2	237.4	5.1	898.6	0.820	301.1	2.851	501.8	10.8
1300	-1095.6	-23.4	239.3	5.1	897.0	0.819	300.1	2.868	504.8	10.8
1305	-1108.9	-23.6	241.2	5.1	895.4	0.817	299.0	2.885	507.7	10.8
1310	-1122.4	-23.8	243.2	5.2	893.8	0.816	297.9	2.902	510.7	10.8
1315	-1135.9	-24.0	245.1	5.2	892.2	0.814	296.9	2.919	513.7	10.9
1320	-1149.6	-24.2	247.1	5.2	890.6	0.813	295.8	2.935	516.6	10.9
1325	-1163.3	-24.4	249.0	5.2	889.0	0.811	294.8	2.952	519.6	10.9
1330	-1177.2	-24.6	251.0	5.2	887.4	0.810	293.7	2.969	522.6	10.9
1335	-1191.2	-24.8	252.9	5.3	885.9	0.808	292.7	2.986	525.6	10.9
1340	-1205.3	-25.0	254.9	5.3	884.3	0.807	291.7	3.003	528.6	11.0
1345	-1219.5	-25.2	256.9	5.3	882.7	0.806	290.6	3.020	531.6	11.0
1350	-1233.8	-25.4	258.9	5.3	881.2	0.804	289.6	3.037	534.6	11.0
1355	-1248.2	-25.6	260.9	5.3	879.6	0.803	288.6	3.054	537.6	11.0
1360	-1262.7	-25.8	262.8	5.4	878.1	0.801	287.6	3.072	540.6	11.0
1365	-1277.4	-26.0	264.8	5.4	876.5	0.800	286.6	3.089	543.6	11.1
1370	-1292.2	-26.2	266.8	5.4	875.0	0.798	285.6	3.106	546.6	11.1
1375	-1307.0	-26.4	268.9	5.4	873.5	0.797	284.6	3.123	549.7	11.1
1380	-1322.0	-26.6	270.9	5.5	872.0	0.796	283.6	3.140	552.7	11.1
1385	-1337.2	-26.8	272.9	5.5	870.4	0.794	282.6	3.158	555.7	11.1
1390	-1352.4	-27.0	274.9	5.5	868.9	0.793	281.6	3.175	558.8	11.2
1395	-1367.7	-27.2	276.9	5.5	867.4	0.792	280.6	3.192	561.8	11.2
1400	-1383.2	-27.4	279.0	5.5	865.9	0.790	279.6	3.210	564.9	11.2
1405	-1398.8	-27.7	281.0	5.6	864.4	0.789	278.7	3.227	568.0	11.2
1410	-1414.5	-27.9	283.1	5.6	862.9	0.787	277.7	3.244	571.0	11.2

1415	-1430.3	-28.1	285.1	5.6	861.4	0.786	276.7	3.262	574.1	11.3
1420	-1446.2	-28.3	287.2	5.6	859.9	0.785	275.8	3.279	577.2	11.3
1425	-1462.3	-28.5	289.2	5.6	858.4	0.783	274.8	3.297	580.3	11.3
1430	-1478.4	-28.7	291.3	5.7	856.9	0.782	273.9	3.315	583.4	11.3
1435	-1494.7	-28.9	293.4	5.7	855.4	0.781	272.9	3.332	586.5	11.4
1440	-1511.1	-29.1	295.5	5.7	853.9	0.779	272.0	3.350	589.6	11.4
1445	-1527.6	-29.4	297.6	5.7	852.5	0.778	271.0	3.367	592.7	11.4
1450	-1544.3	-29.6	299.7	5.7	851.0	0.777	270.1	3.385	595.8	11.4
1455	-1561.1	-29.8	301.7	5.8	849.5	0.775	269.2	3.403	598.9	11.4
1460	-1577.9	-30.0	303.9	5.8	848.1	0.774	268.2	3.421	602.0	11.5
1465	-1595.0	-30.2	306.0	5.8	846.6	0.773	267.3	3.438	605.1	11.5
1470	-1612.1	-30.5	308.1	5.8	845.2	0.771	266.4	3.456	608.3	11.5
1475	-1629.3	-30.7	310.2	5.8	843.7	0.770	265.5	3.474	611.4	11.5
1480	-1646.7	-30.9	312.3	5.9	842.3	0.769	264.6	3.492	614.6	11.5
1485	-1664.2	-31.1	314.5	5.9	840.8	0.767	263.7	3.510	617.7	11.6
1490	-1681.9	-31.4	316.6	5.9	839.4	0.766	262.8	3.528	620.9	11.6
1495	-1699.6	-31.6	318.7	5.9	837.9	0.765	261.9	3.546	624.0	11.6
1500	-1717.5	-31.8	320.9	5.9	836.5	0.763	261.0	3.564	627.2	11.6
1505	-1735.5	-32.0	323.0	6.0	835.1	0.762	260.1	3.582	630.4	11.6
1510	-1753.6	-32.3	325.2	6.0	833.7	0.761	259.2	3.600	633.6	11.7
1515	-1771.9	-32.5	327.4	6.0	832.2	0.759	258.3	3.618	636.8	11.7
1520	-1790.2	-32.7	329.5	6.0	830.8	0.758	257.4	3.636	639.9	11.7
1525	-1808.8	-32.9	331.7	6.0	829.4	0.757	256.6	3.654	643.1	11.7
1530	-1827.4	-33.2	333.9	6.1	828.0	0.756	255.7	3.672	646.3	11.7
1535	-1846.2	-33.4	336.1	6.1	826.6	0.754	254.8	3.691	649.6	11.8
1540	-1865.0	-33.6	338.3	6.1	825.2	0.753	254.0	3.709	652.8	11.8
1545	-1884.1	-33.9	340.5	6.1	823.8	0.752	253.1	3.727	656.0	11.8
1550	-1903.2	-34.1	342.7	6.1	822.4	0.750	252.2	3.746	659.2	11.8
1555	-1922.5	-34.3	344.9	6.2	821.0	0.749	251.4	3.764	662.4	11.8
1560	-1941.9	-34.6	347.1	6.2	819.6	0.748	250.5	3.782	665.7	11.9
1565	-1961.5	-34.8	349.3	6.2	818.2	0.747	249.7	3.801	668.9	11.9
1570	-1981.1	-35.1	351.5	6.2	816.8	0.745	248.9	3.819	672.2	11.9
1575	-2000.9	-35.3	353.8	6.2	815.5	0.744	248.0	3.838	675.4	11.9
1580	-2020.9	-35.5	356.0	6.3	814.1	0.743	247.2	3.856	678.7	11.9
1585	-2040.9	-35.8	358.3	6.3	812.7	0.742	246.3	3.875	682.0	12.0
1590	-2061.1	-36.0	360.5	6.3	811.3	0.740	245.5	3.893	685.2	12.0
1595	-2081.5	-36.3	362.8	6.3	810.0	0.739	244.7	3.912	688.5	12.0
1600	-2101.9	-36.5	365.0	6.3	808.6	0.738	243.9	3.931	691.8	12.0